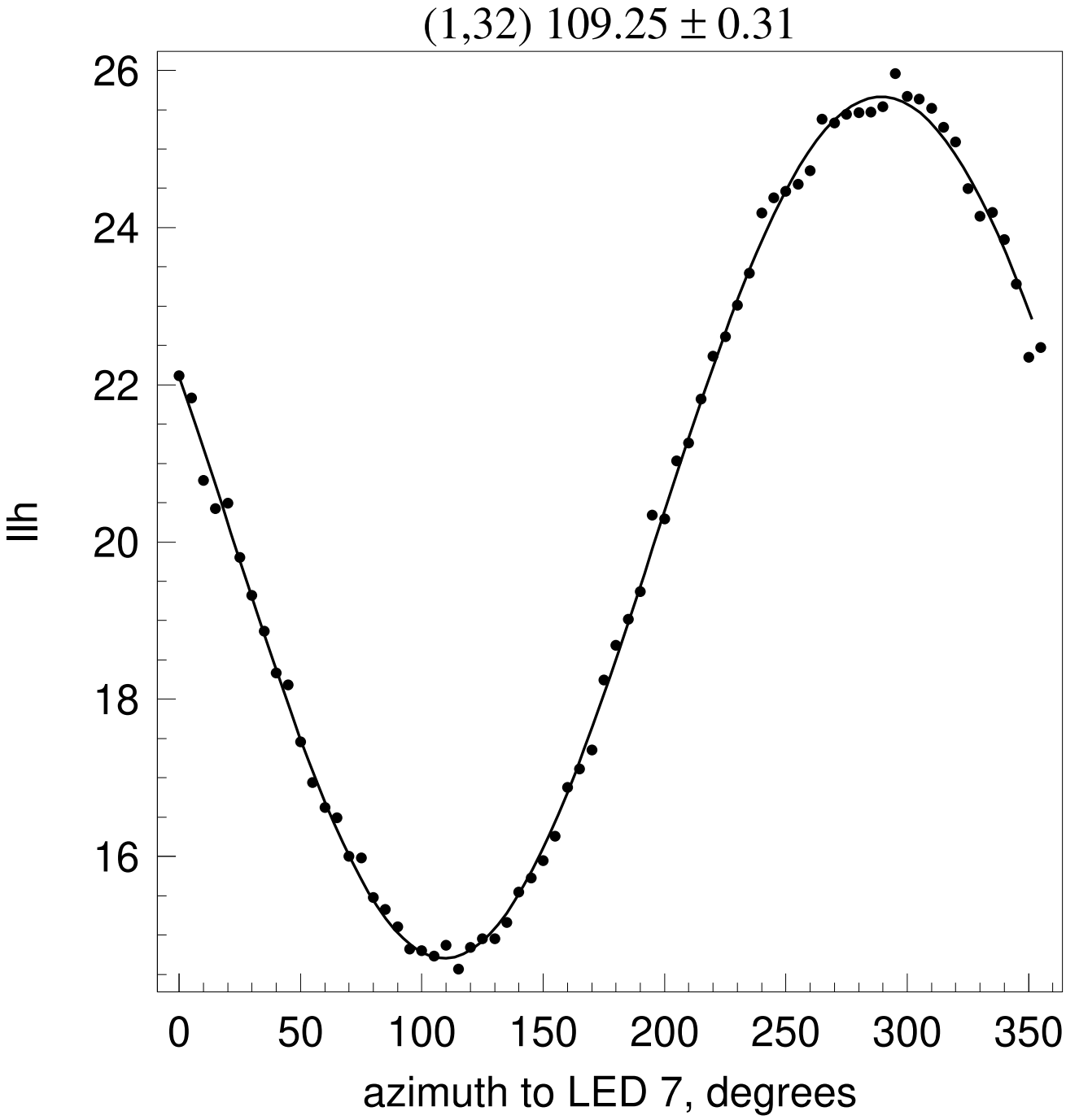
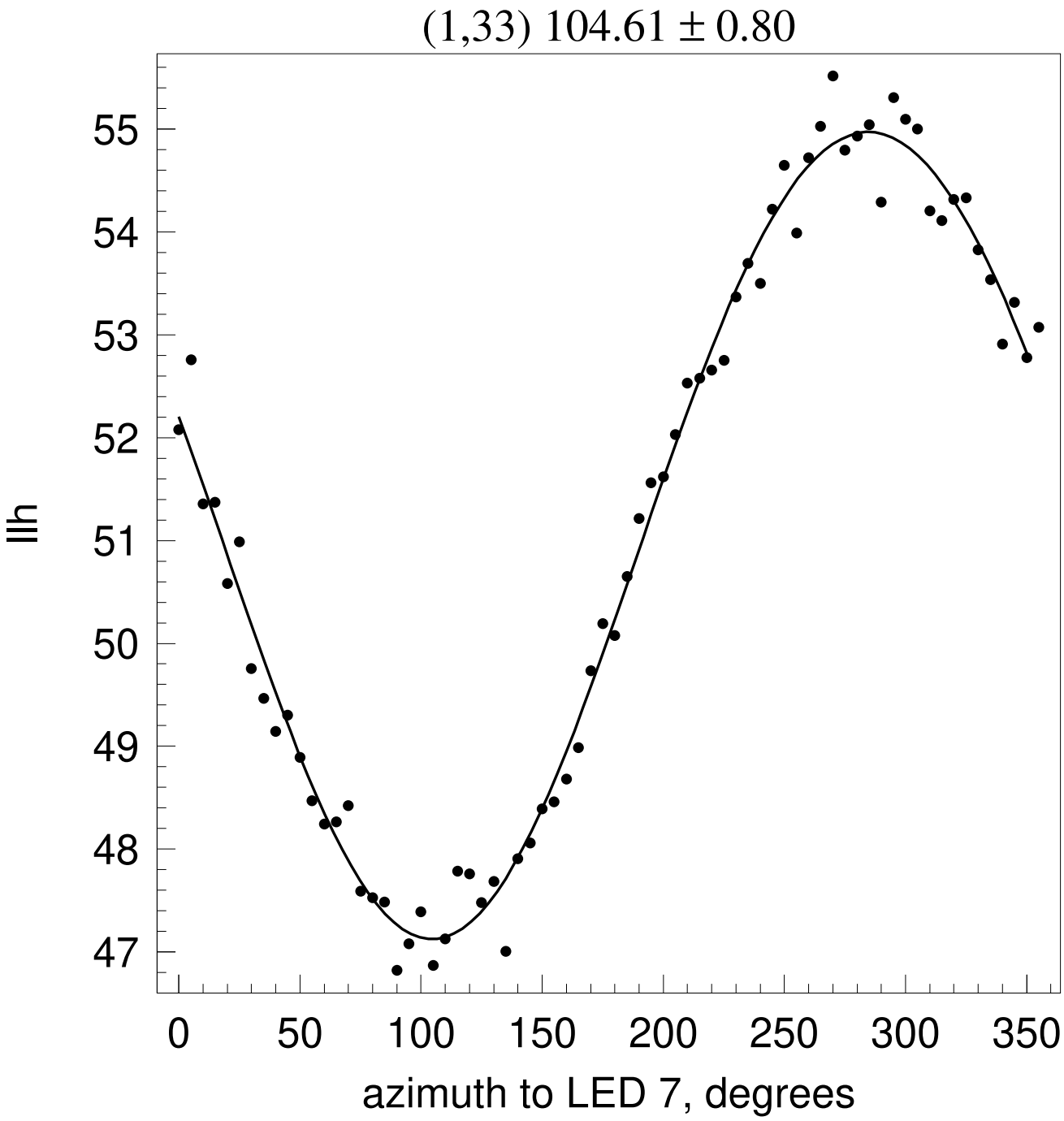
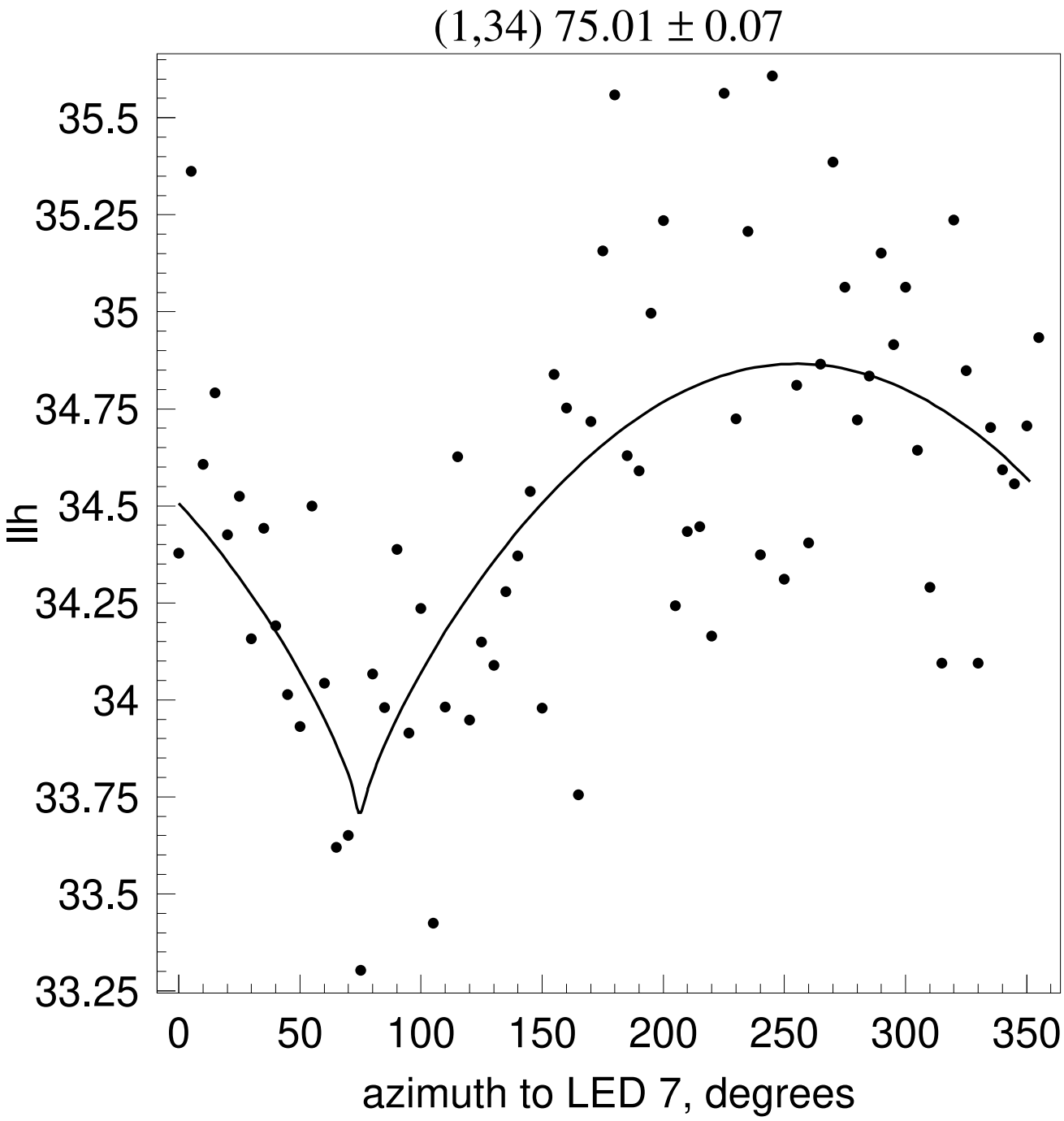
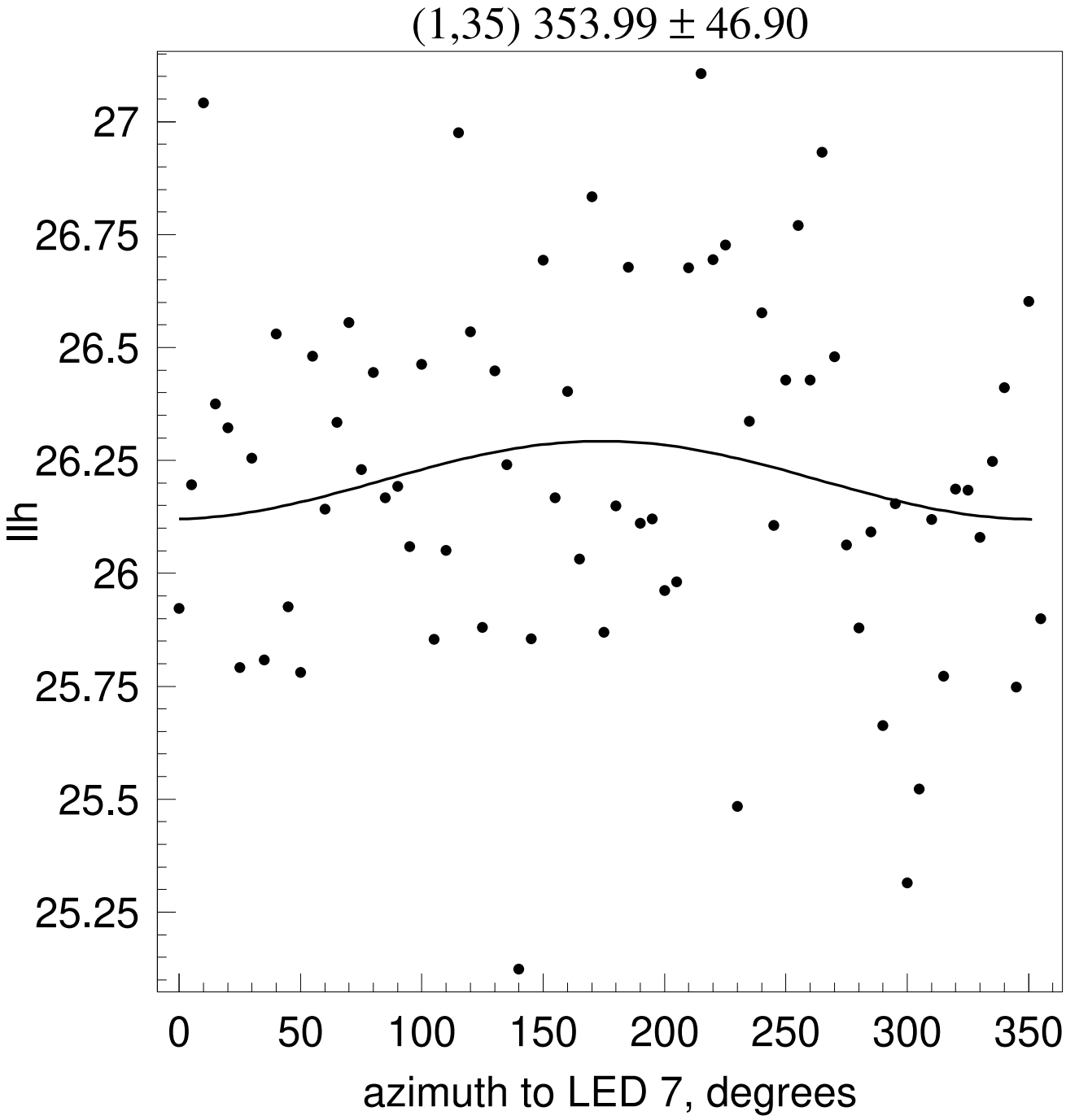
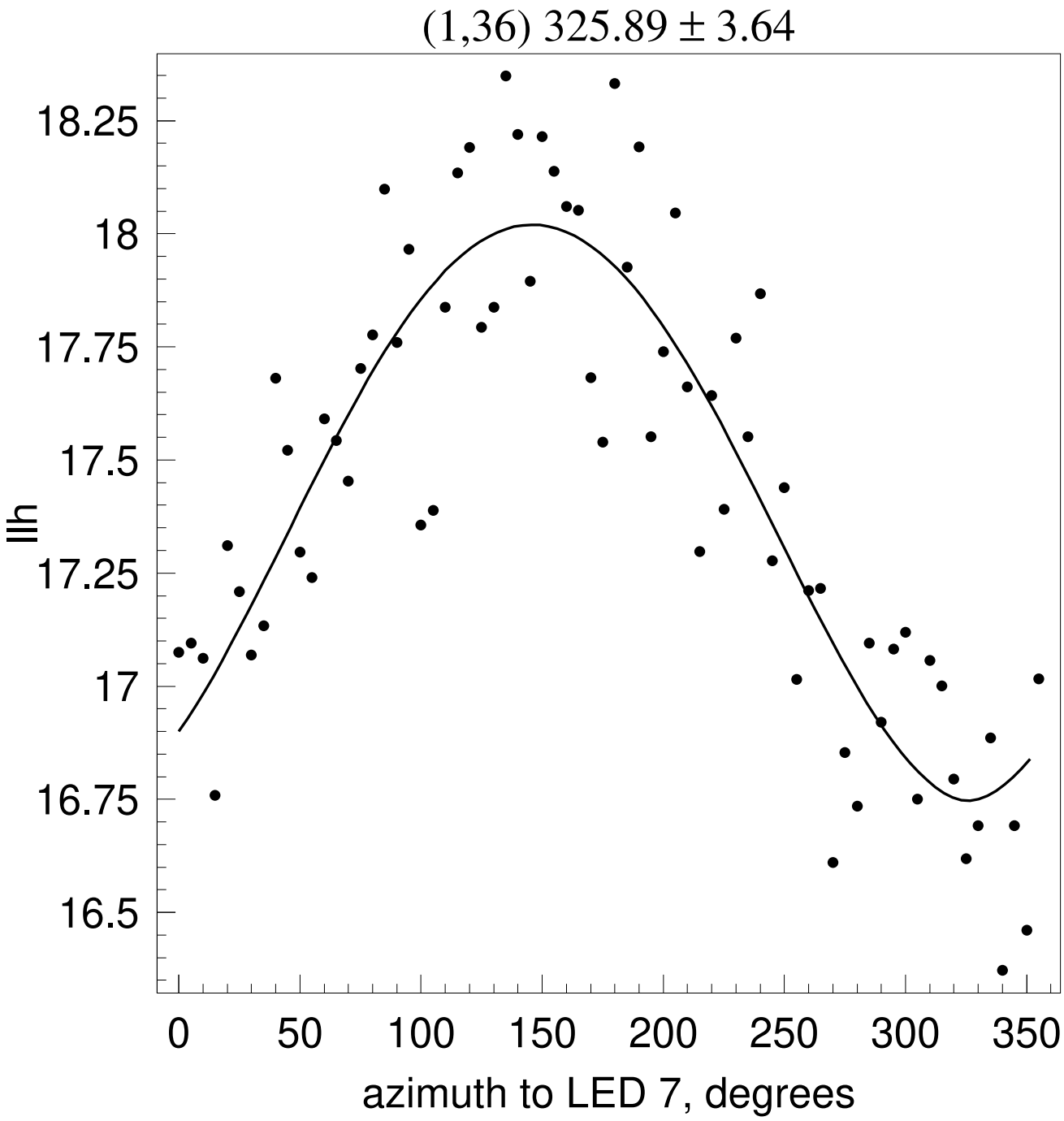
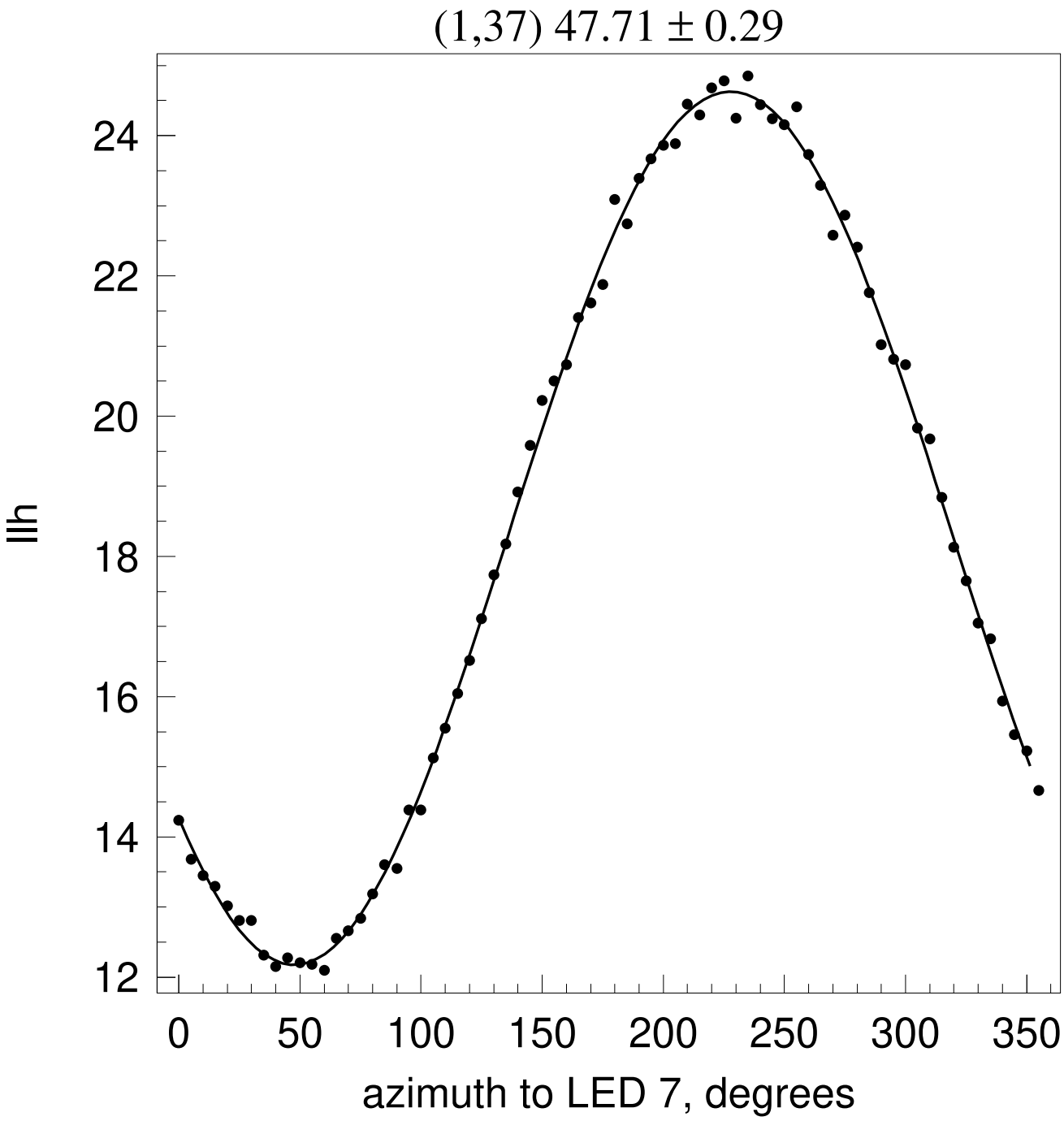

(1,32) 109.25 ± 0.31
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

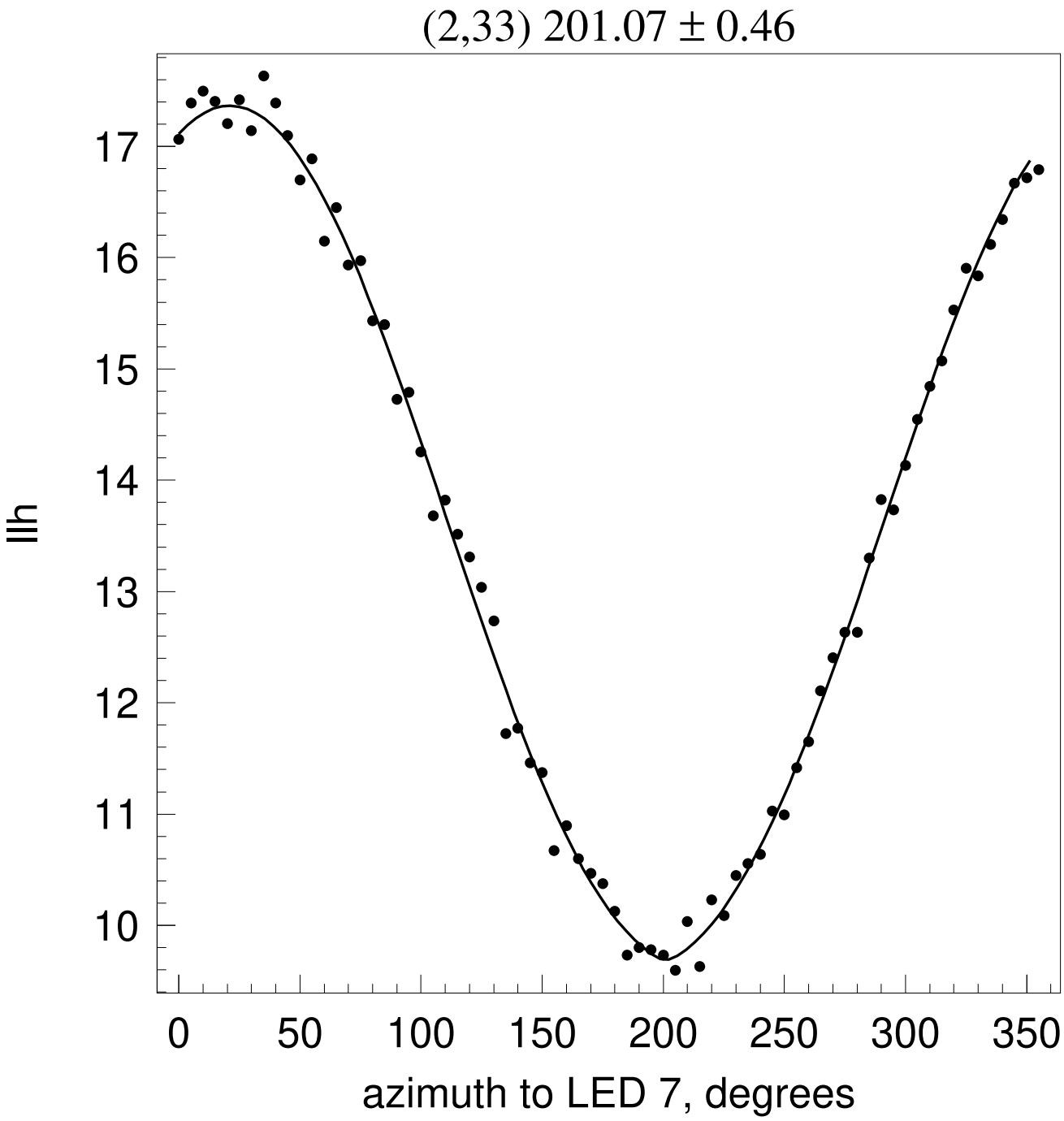

(1,33) 104.61 ± 0.80
IIh
55
54
53
52
51
50
49
48
47
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

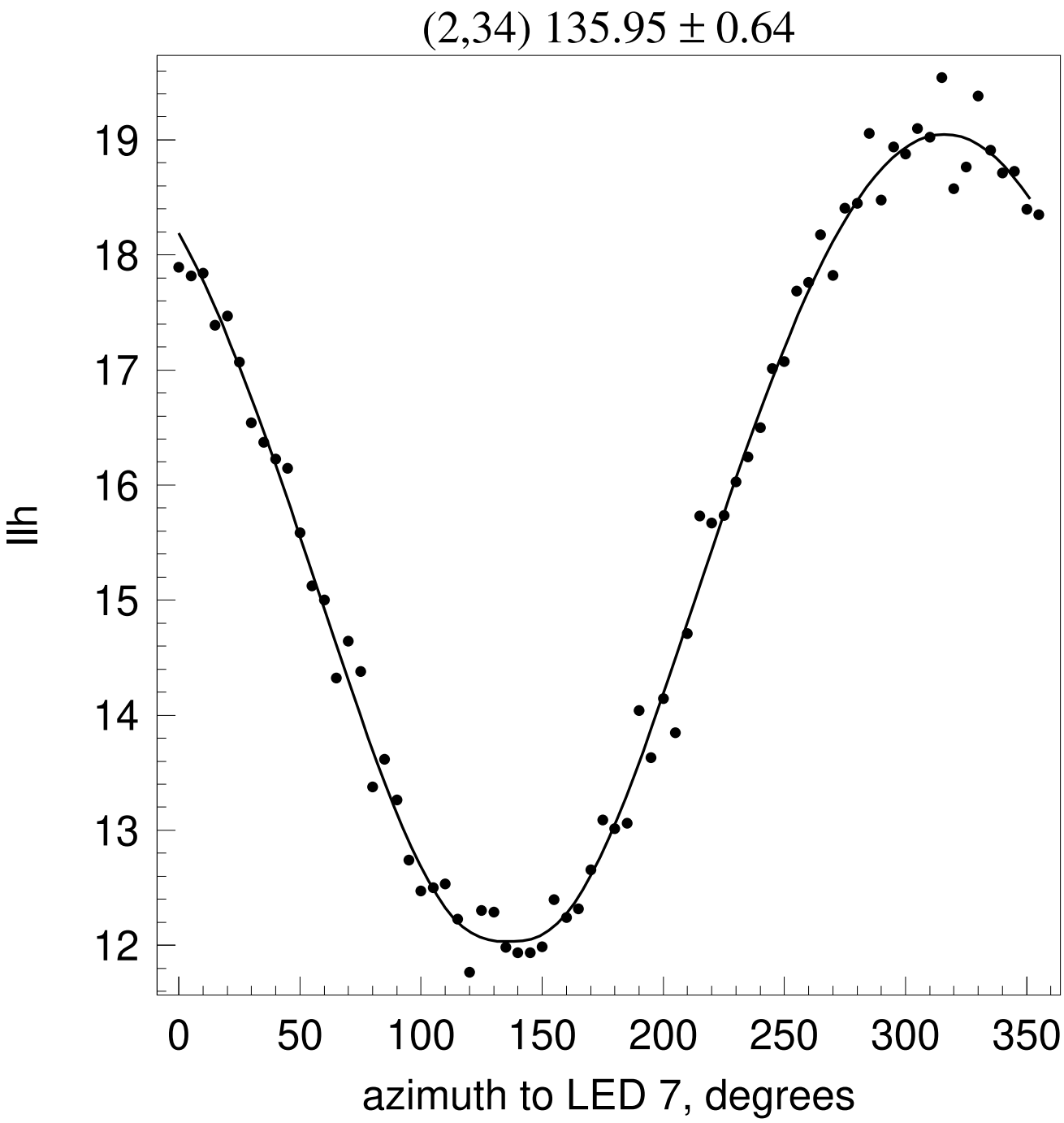

(1,34) 75.01 ± 0.07
35.5
35.25
35
34.75
34.5
34.25
34
33.75
33.5
33.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

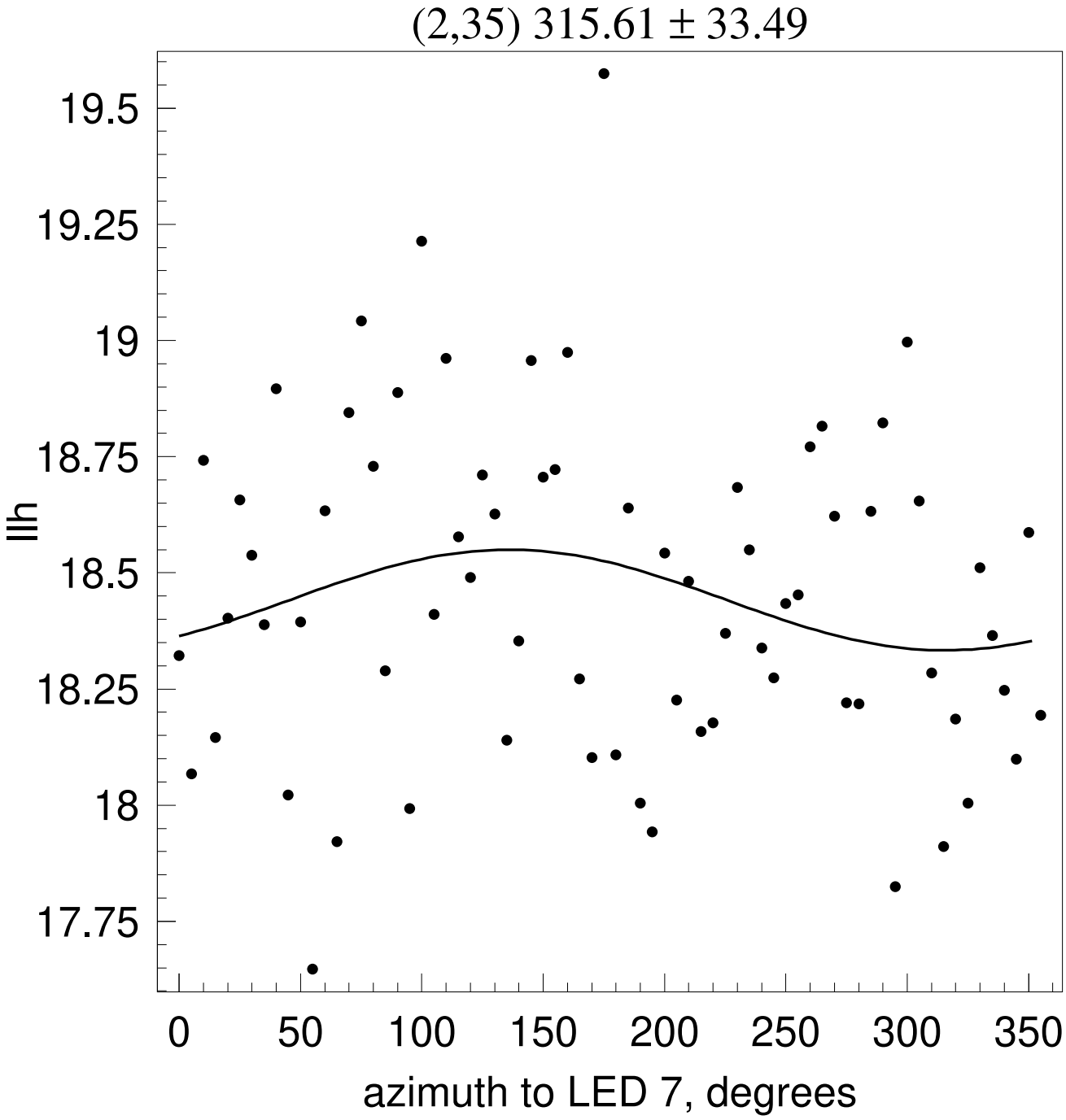

(1,35) 353.99 ± 46.90
27
26.75
26.5
26.25
26
25.75
25.5
25.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

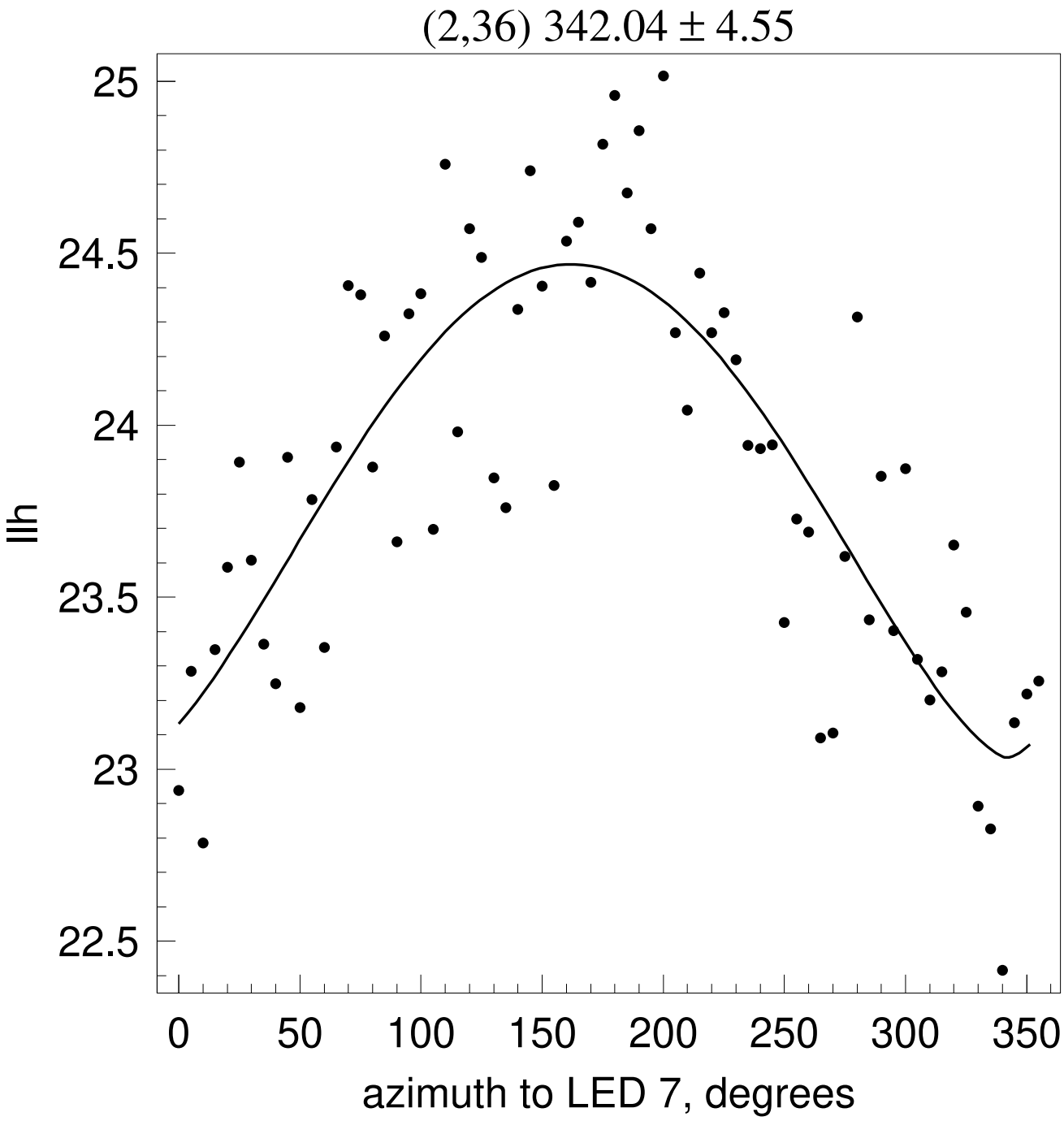

(1,36) 325.89 ± 3.64
18.25
18
17.75
17.5
17.25
17
16.75
16.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

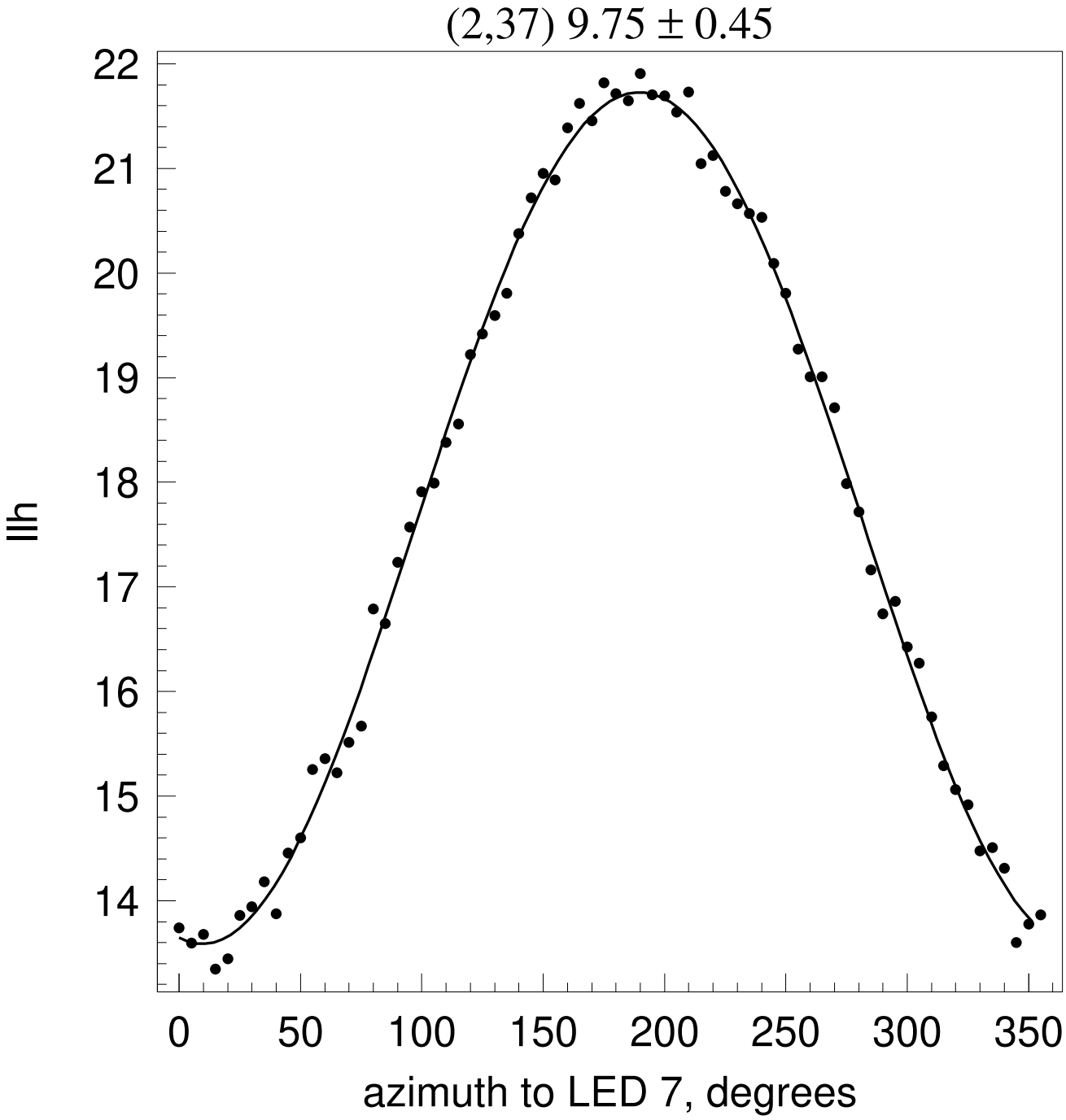

(1,37) 47.71 ± 0.29
24
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

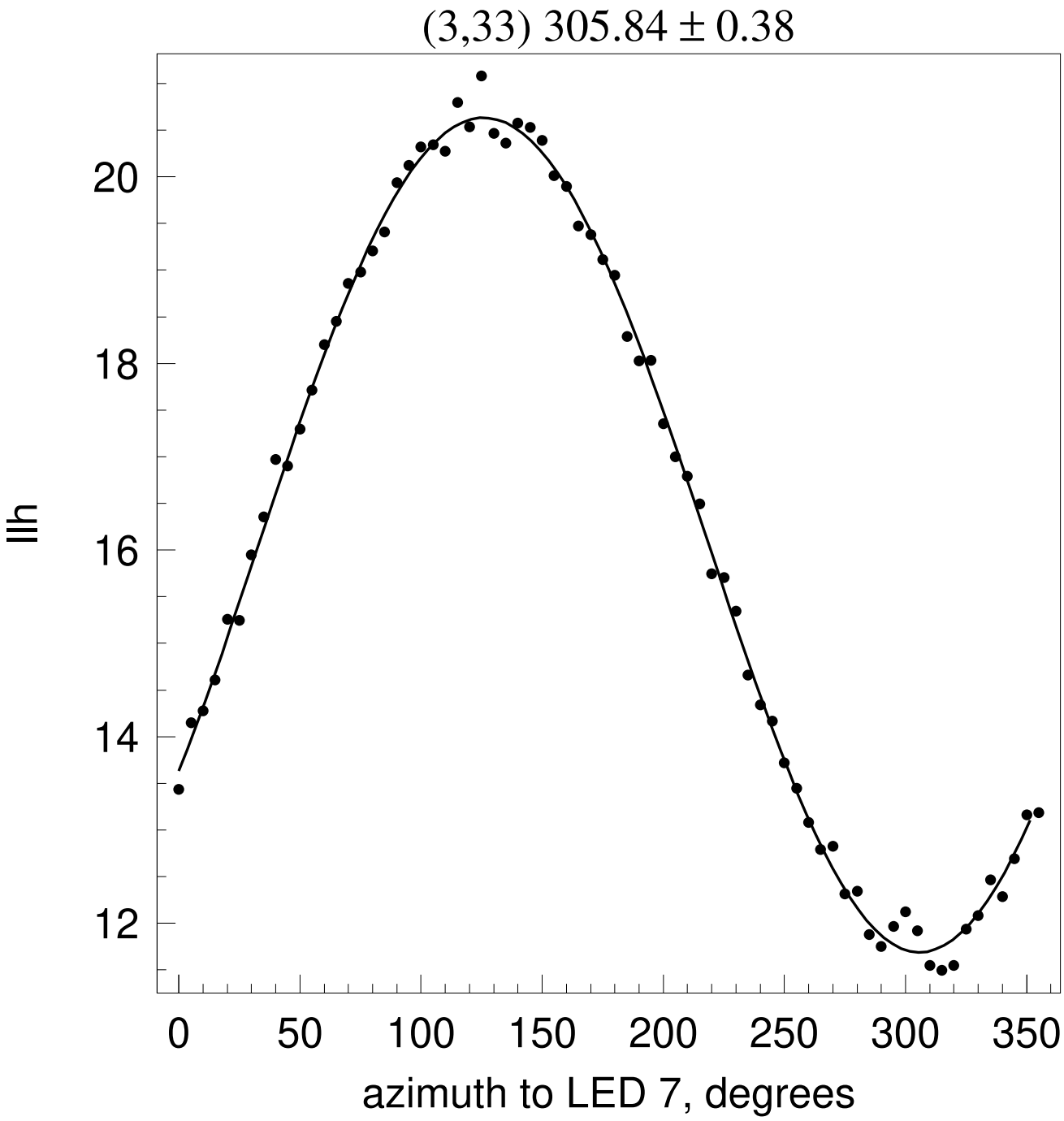

(2,33) 201.07 ± 0.46
17
16
15
14
13
12
11
10
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

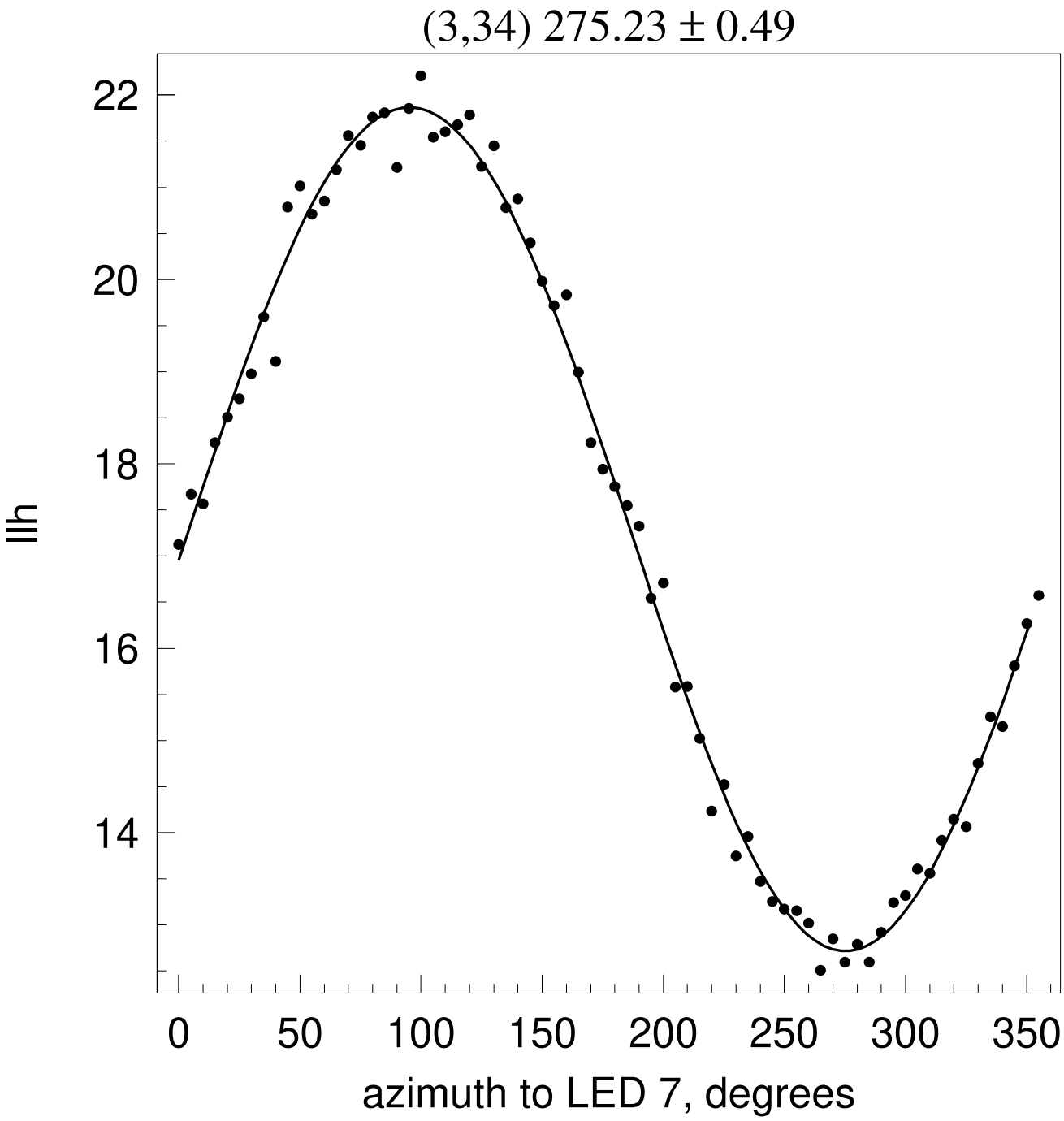

(2,34) 135.95 ± 0.64
19
18
17
16
15
14
13
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

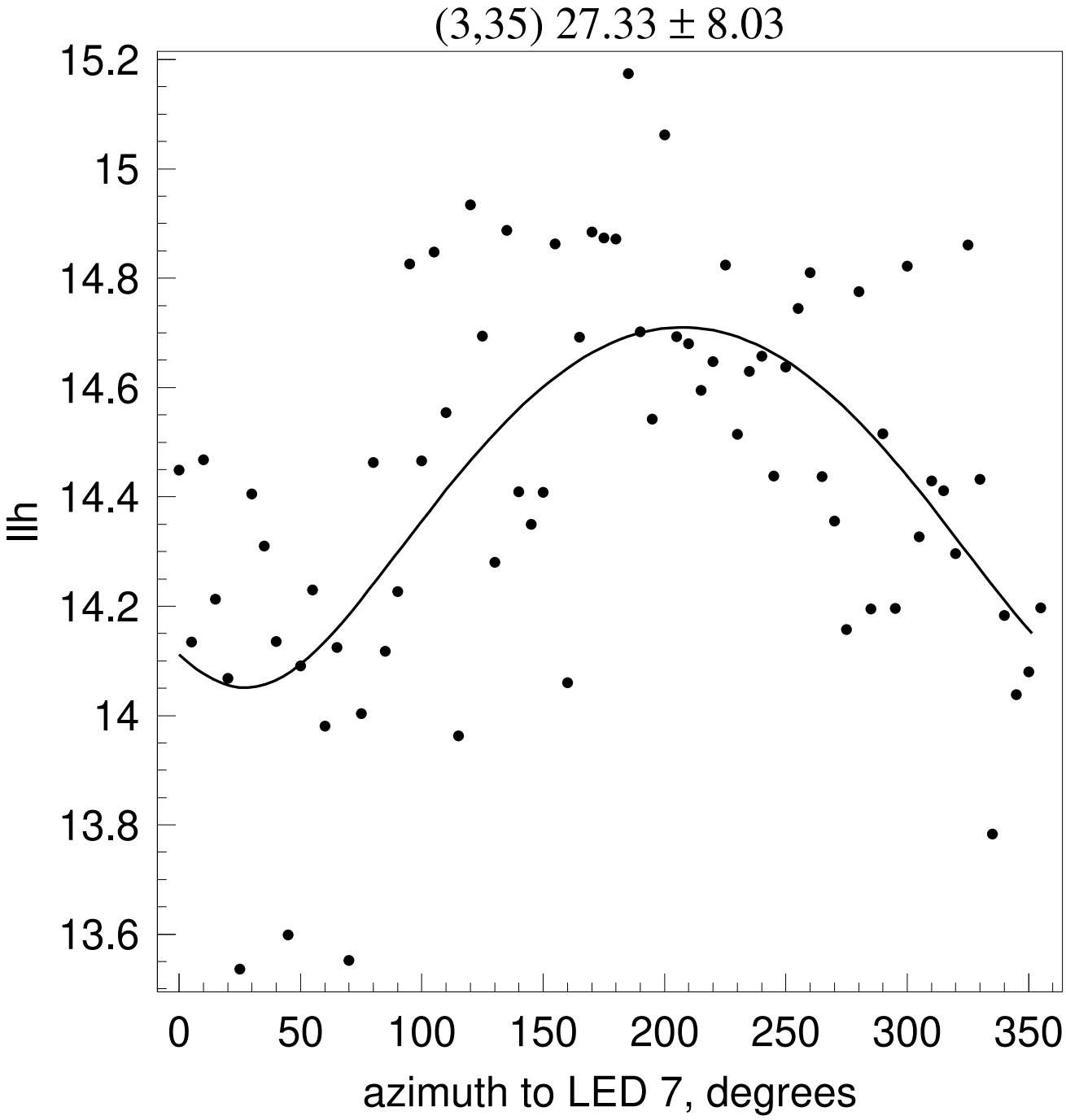

(2,35) 315.61 ± 33.49
19.5
19.25
19
18.75
18.5
18.25
18
17.75
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

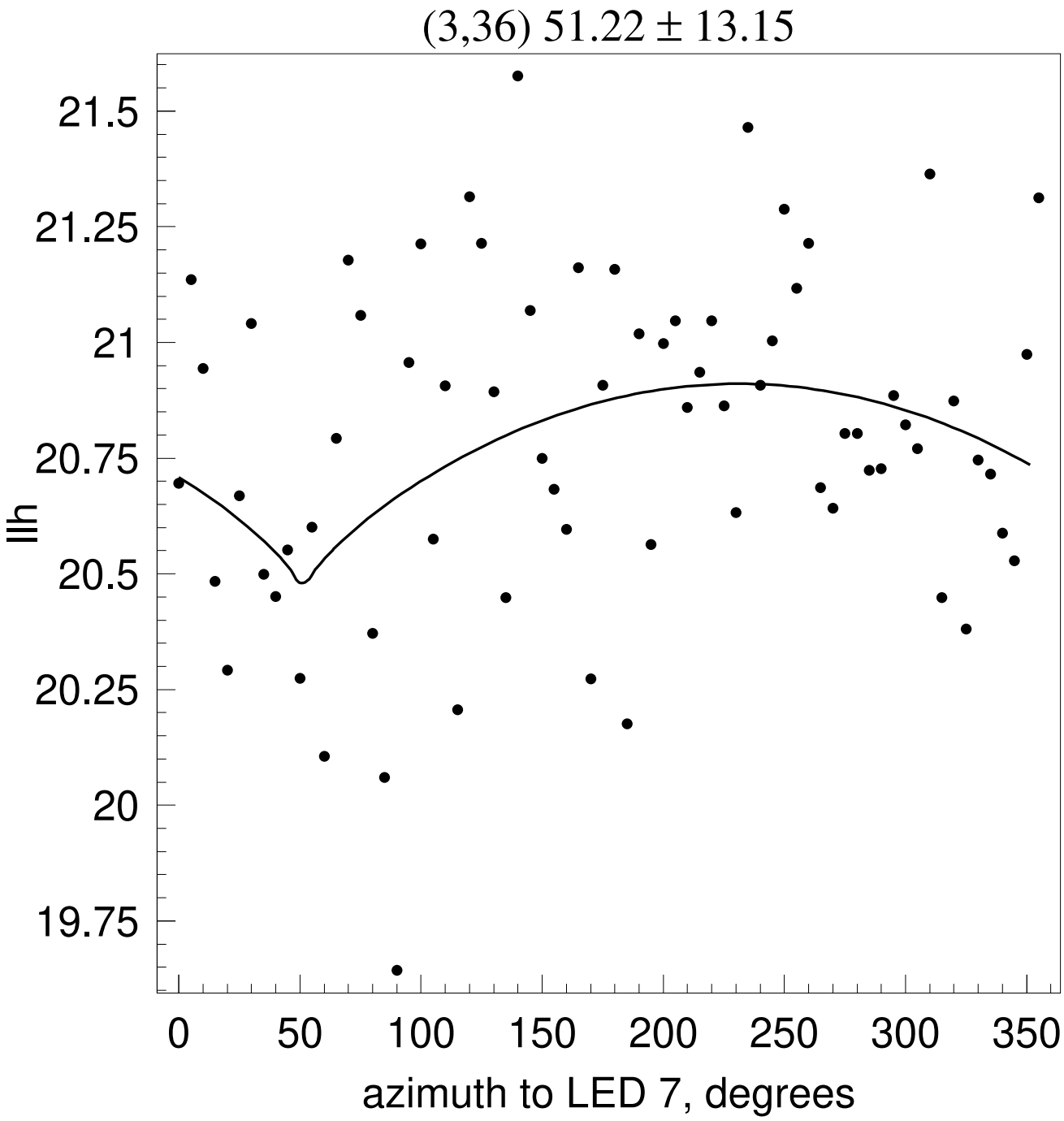

(2,36) 342.04 ± 4.55
25
24.5
24
23.5
23
22.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

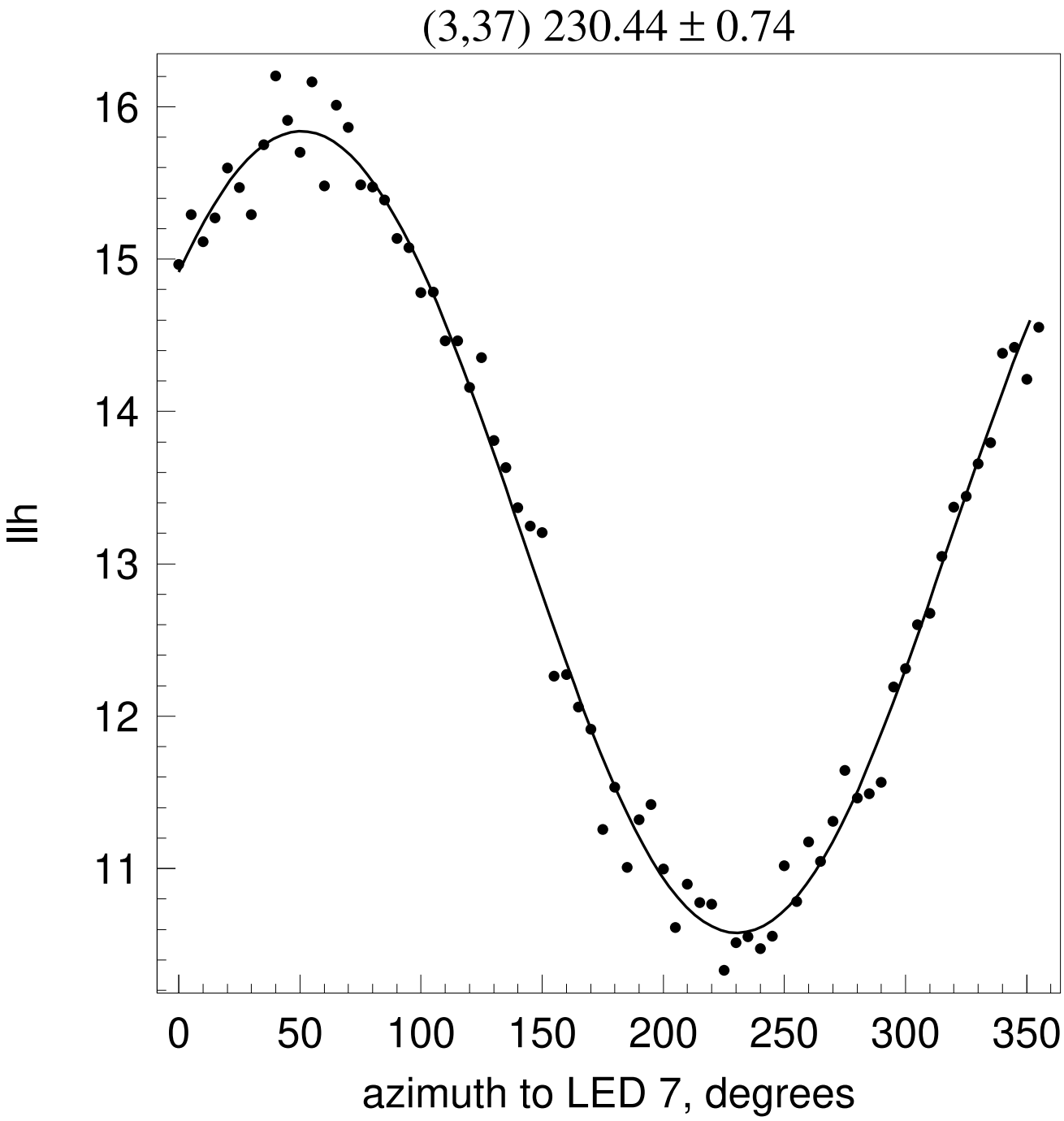

(2,37) 9.75 ± 0.45
22
21
20
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

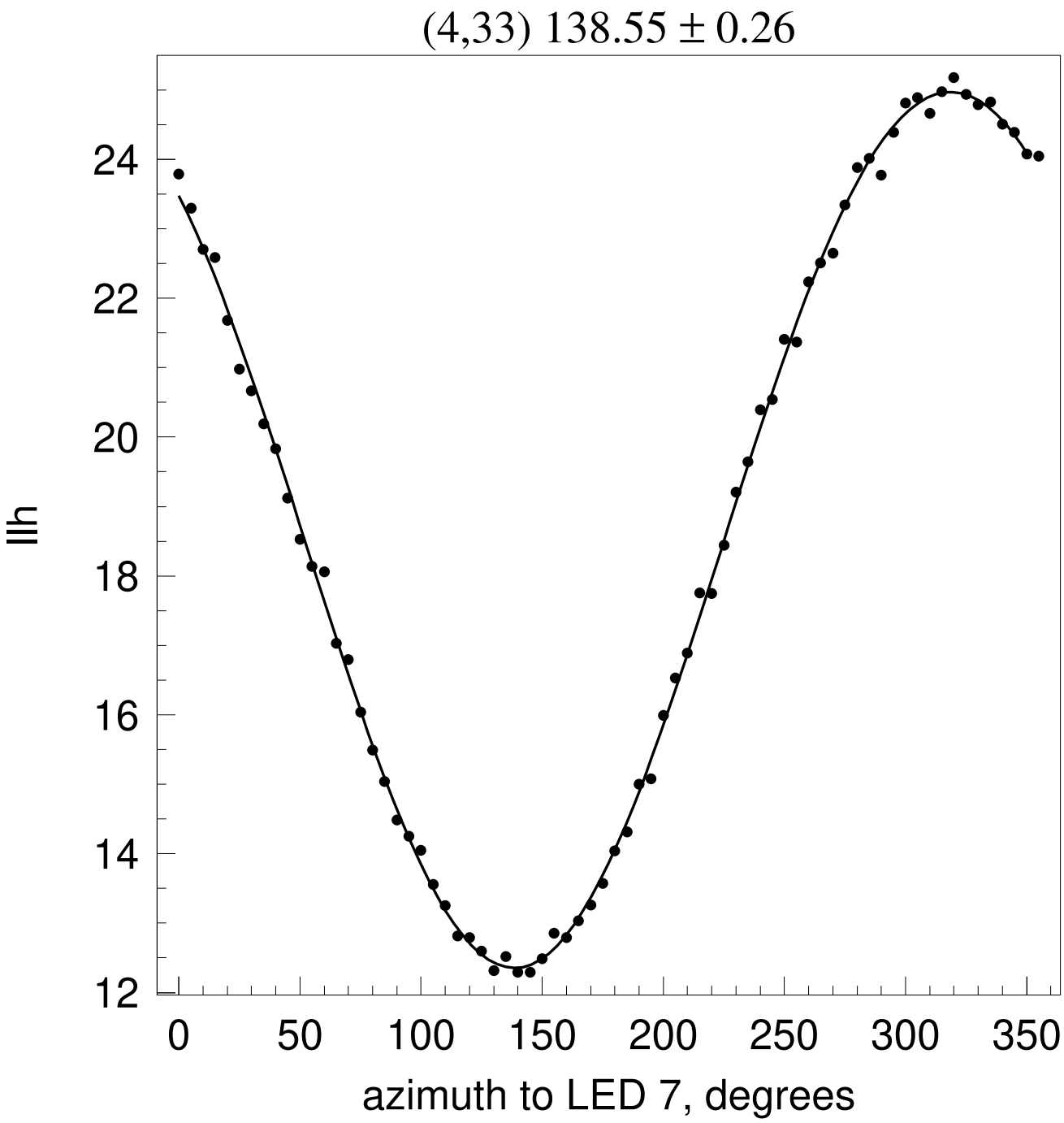

(3,33) 305.84 ± 0.38
20
18
16
14
12
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

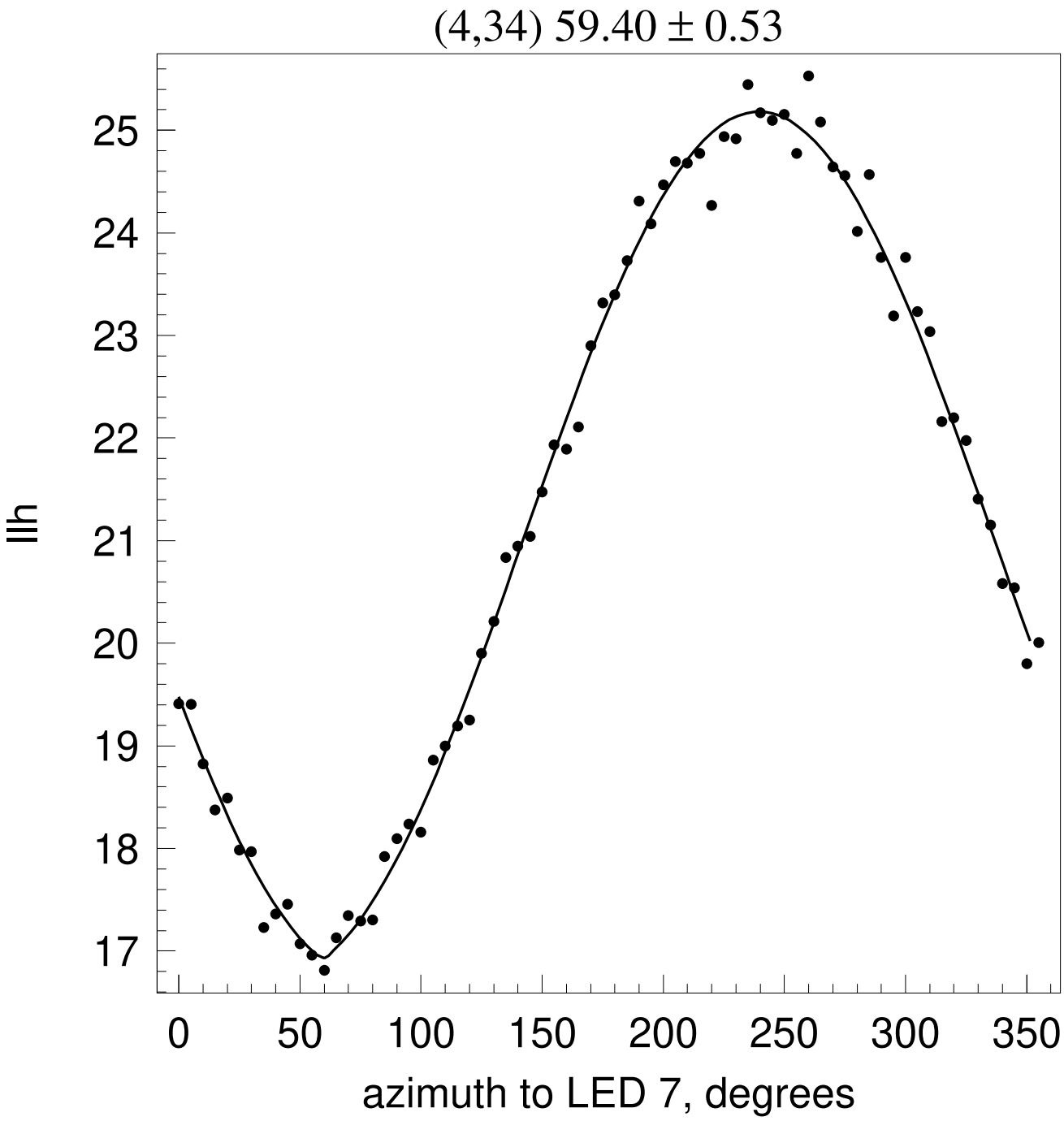

(3,34) 275.23 ± 0.49
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

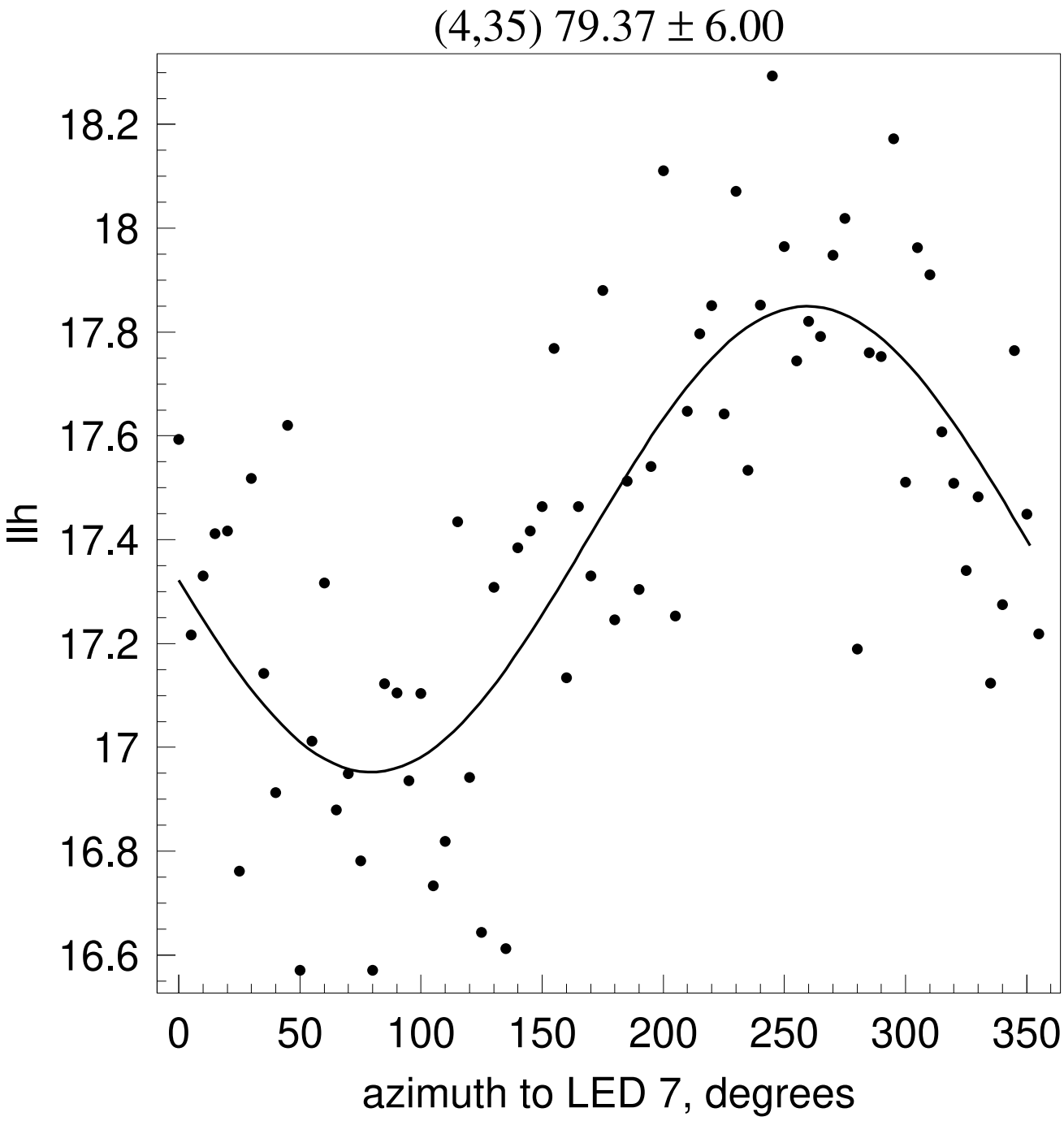

(3,35) 27.33 ± 8.03
15.2
15
14.8
14.6
14.4
14.2
14
13.8
13.6
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

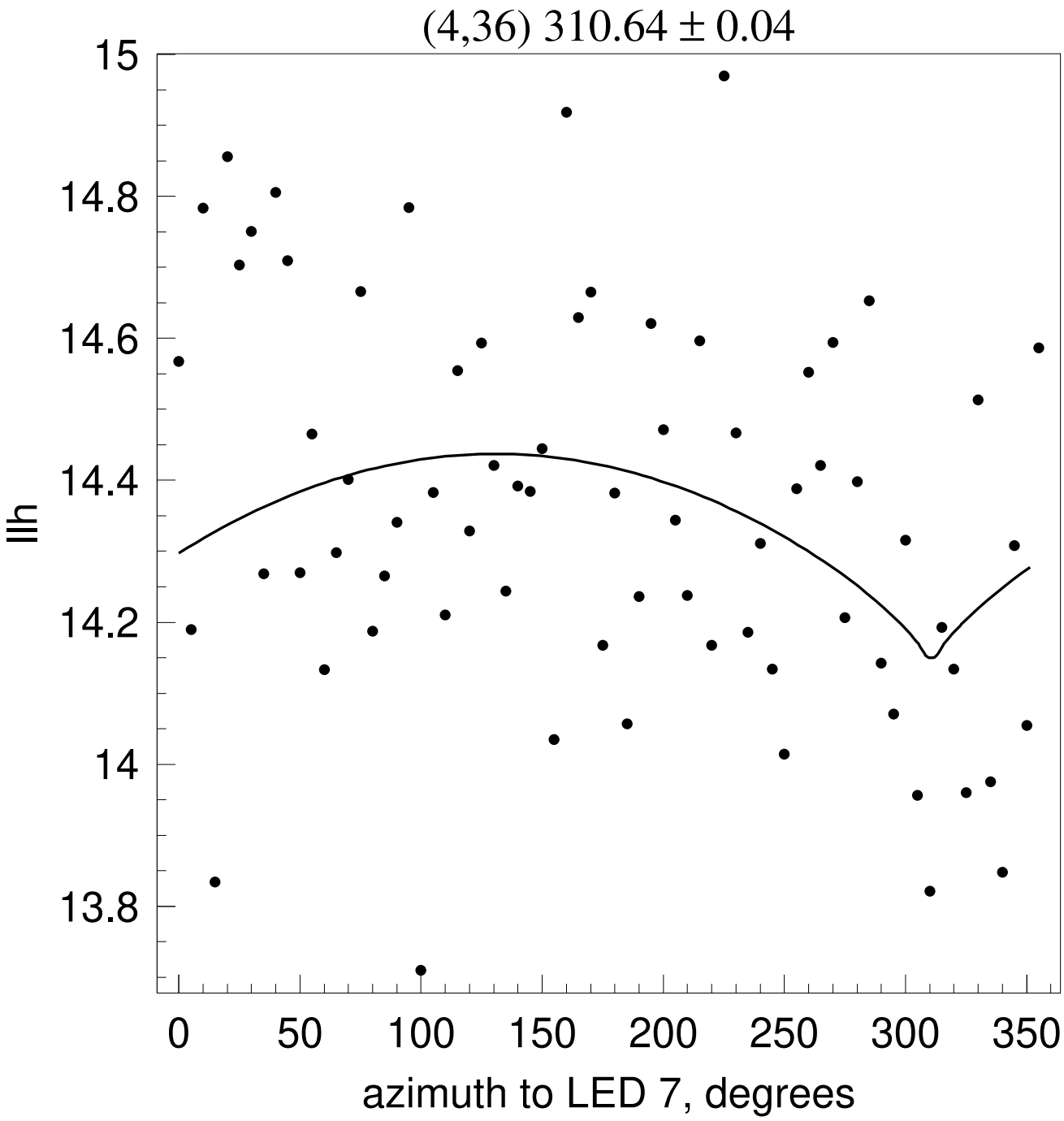

(3,36) 51.22 ± 13.15
21.5
21.25
21
20.75
20.5
20.25
20
19.75
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

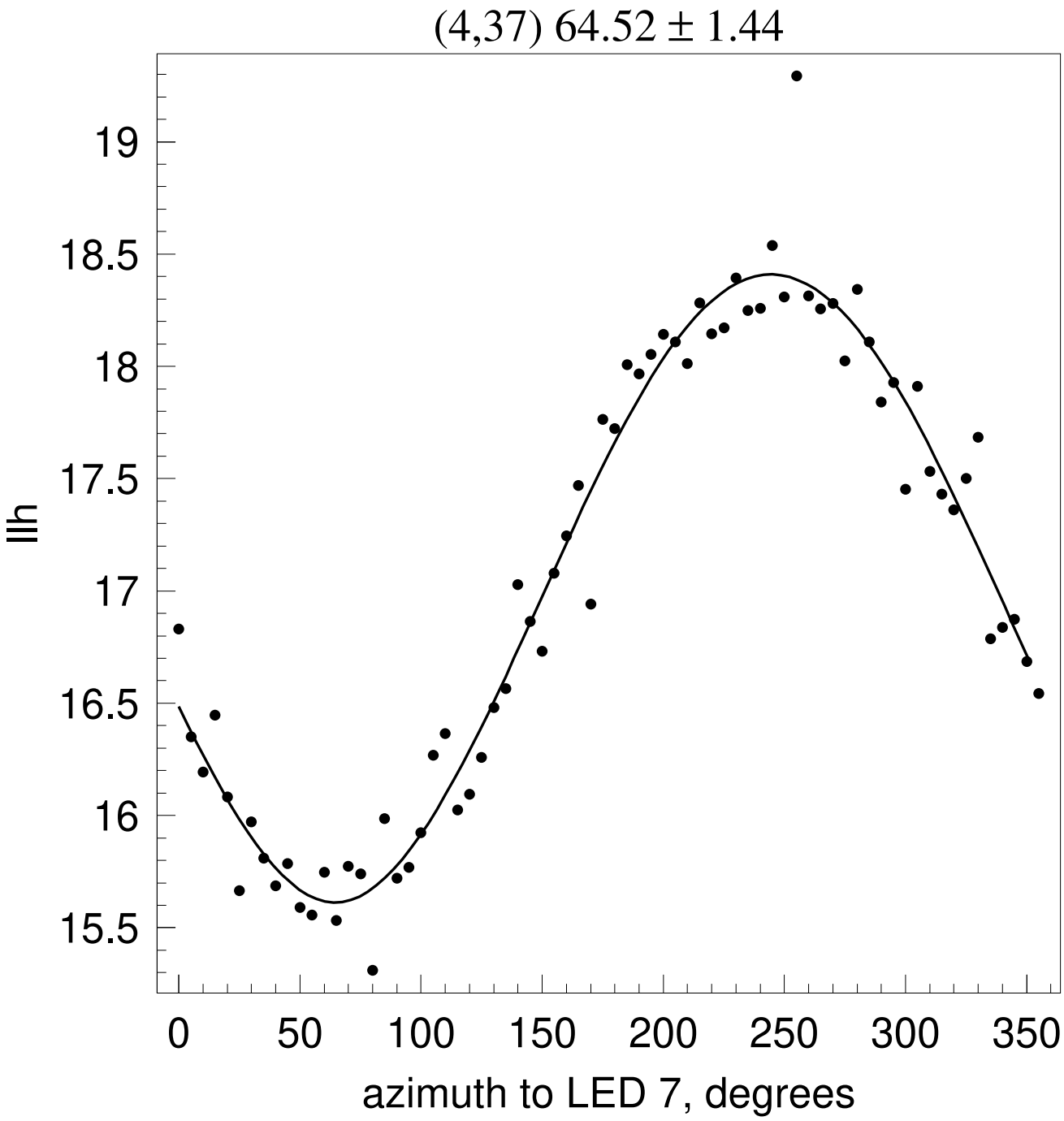

(3,37) 230.44 ± 0.74
16
15
14
13
12
11
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

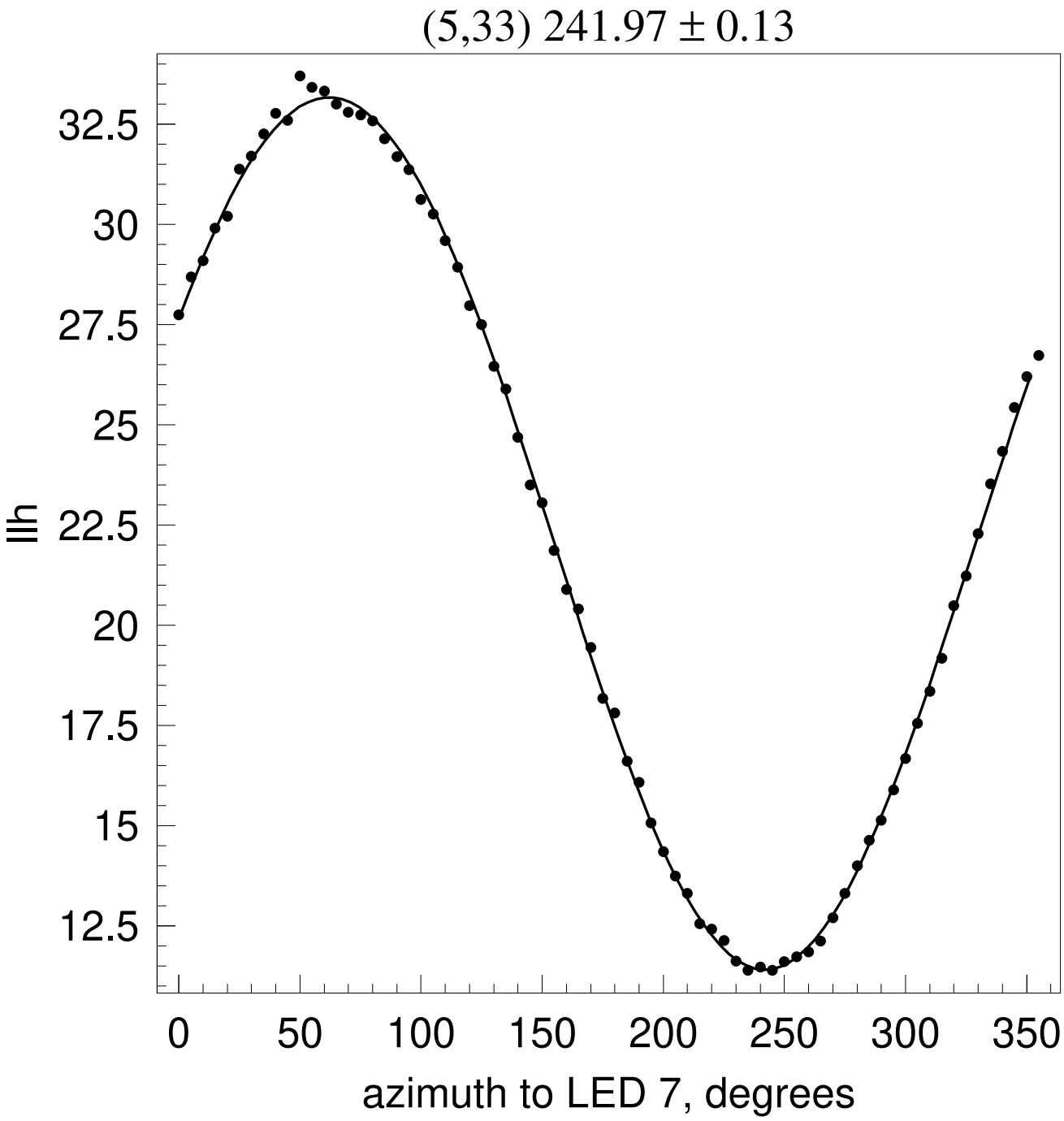

(4,33) 138.55 ± 0.26
24
22
20
18
16
14
12
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

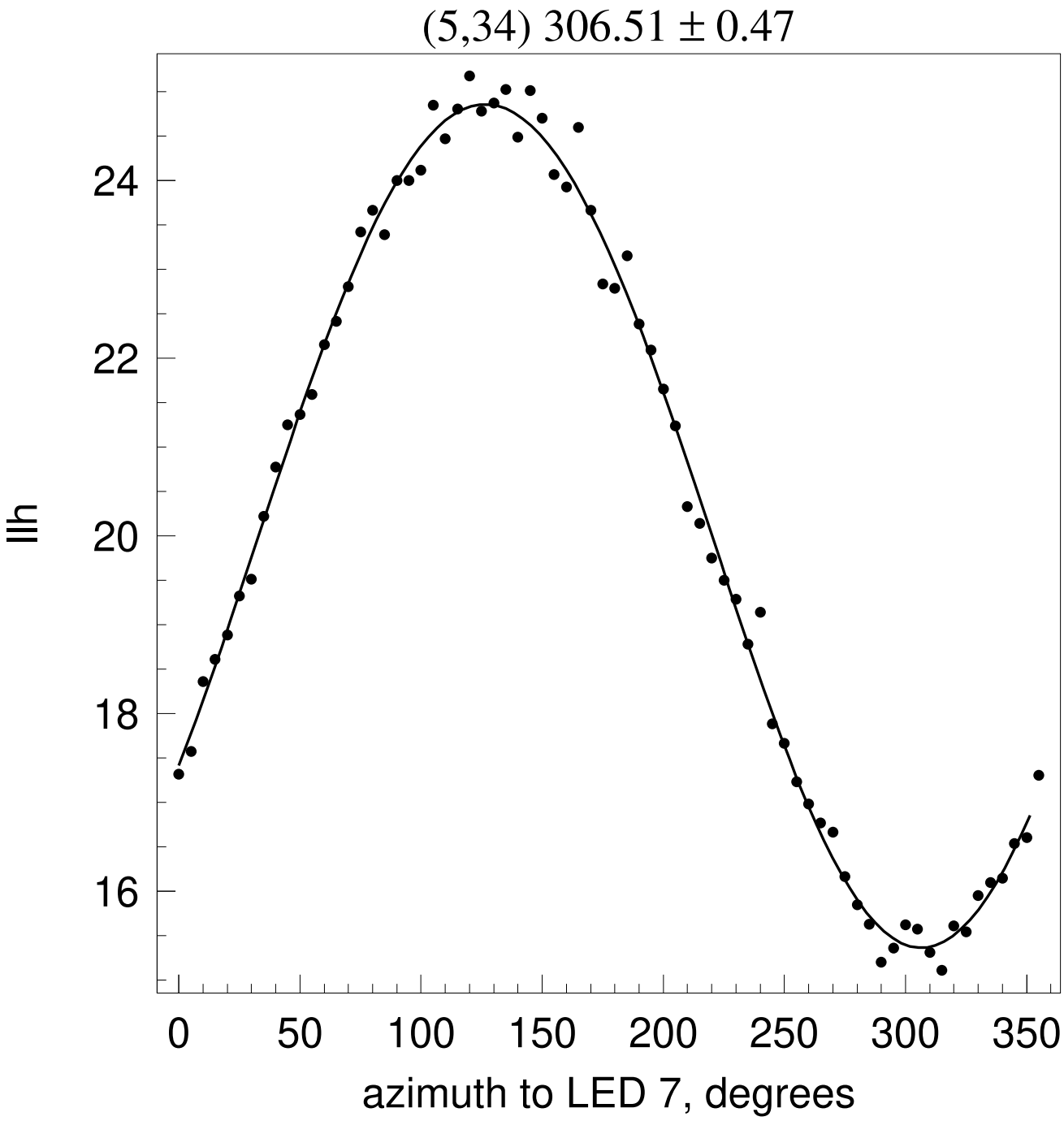

(4,34) 59.40 ± 0.53
25
24
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

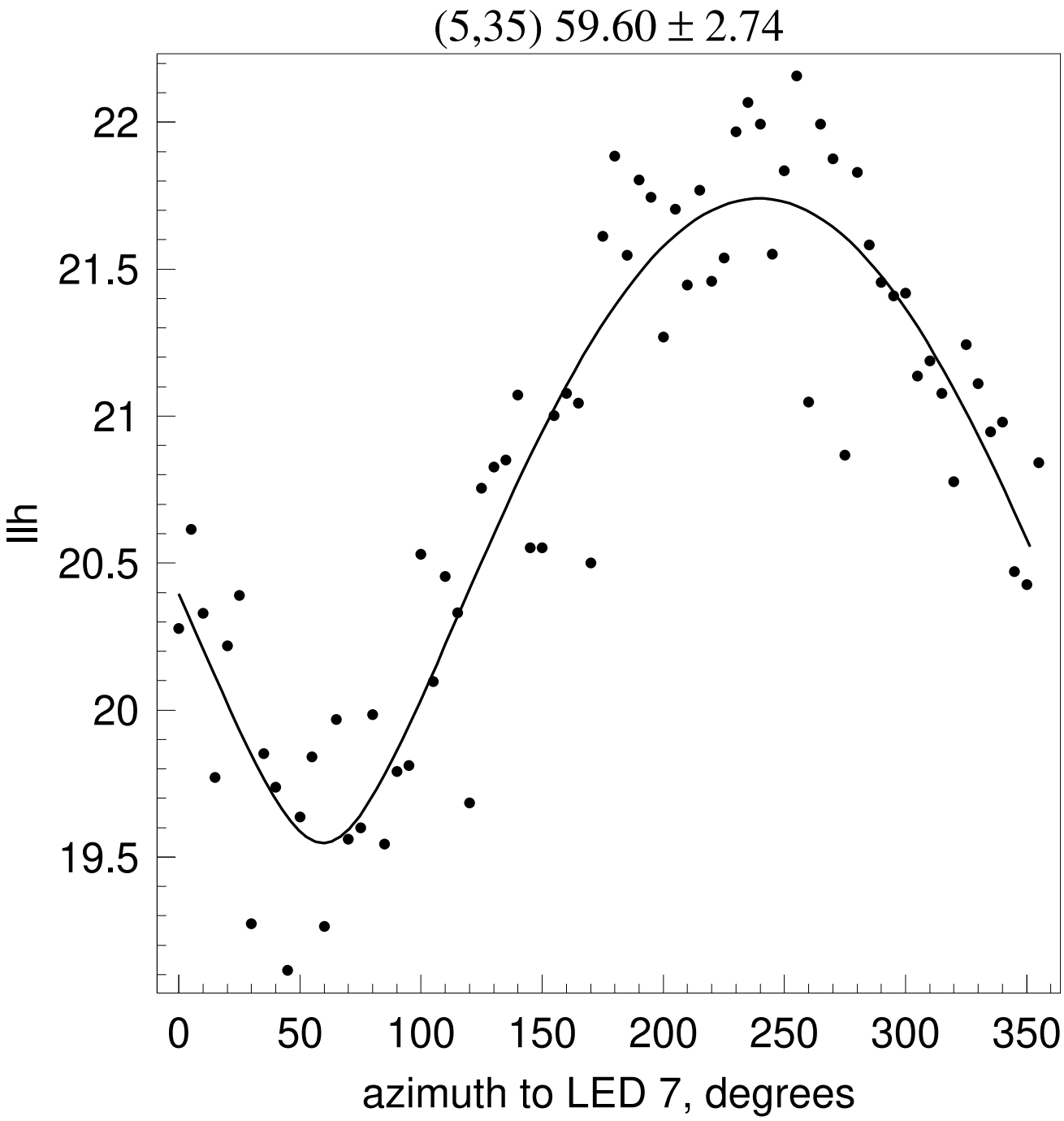

(4,35) 79.37 ± 6.00
18.2
18
17.8
17.6
17.4
17.2
17
16.8
16.6
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

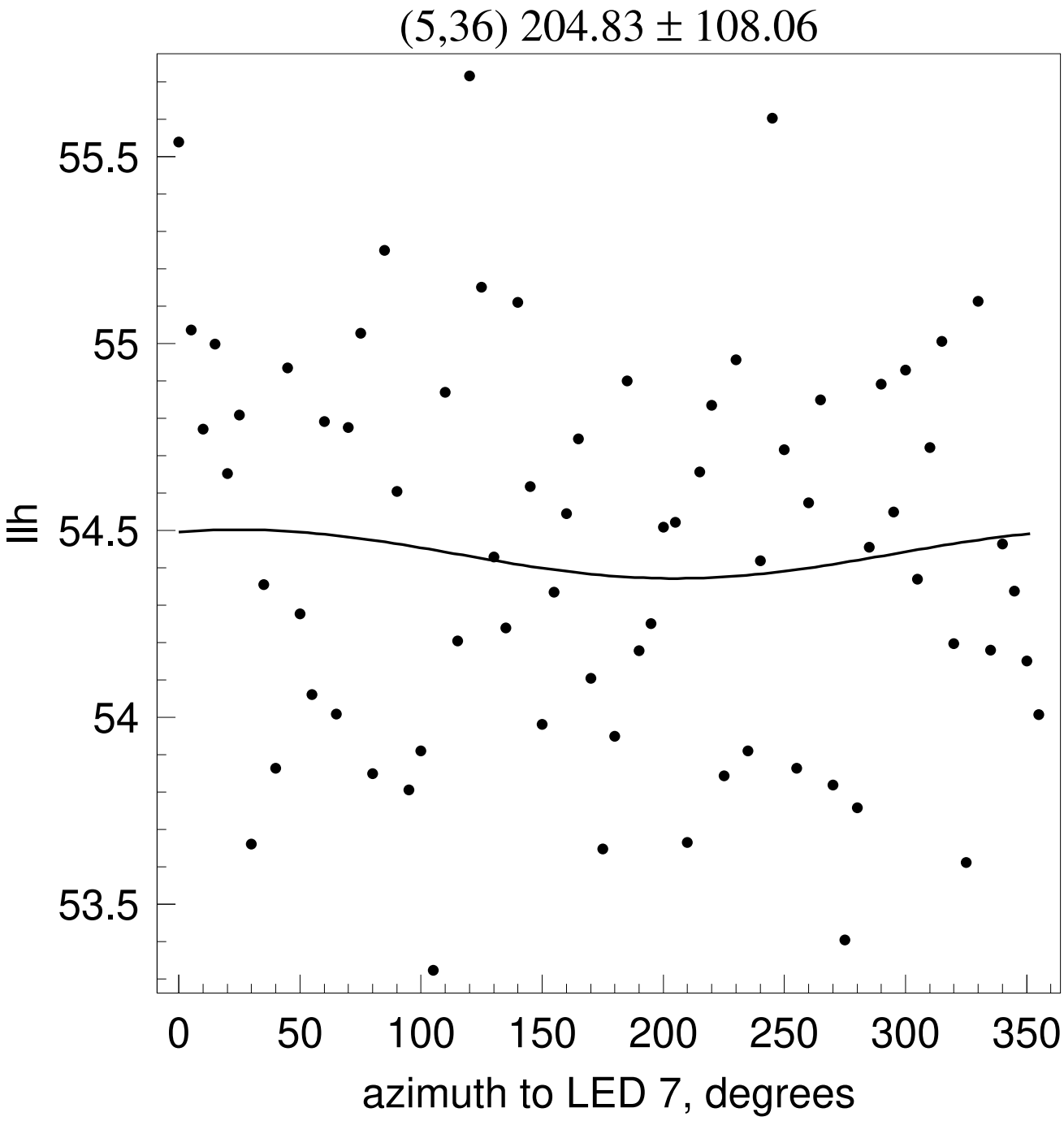

(4,36) 310.64 ± 0.04
15
14.8
14.6
14.4
14.2
14
13.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

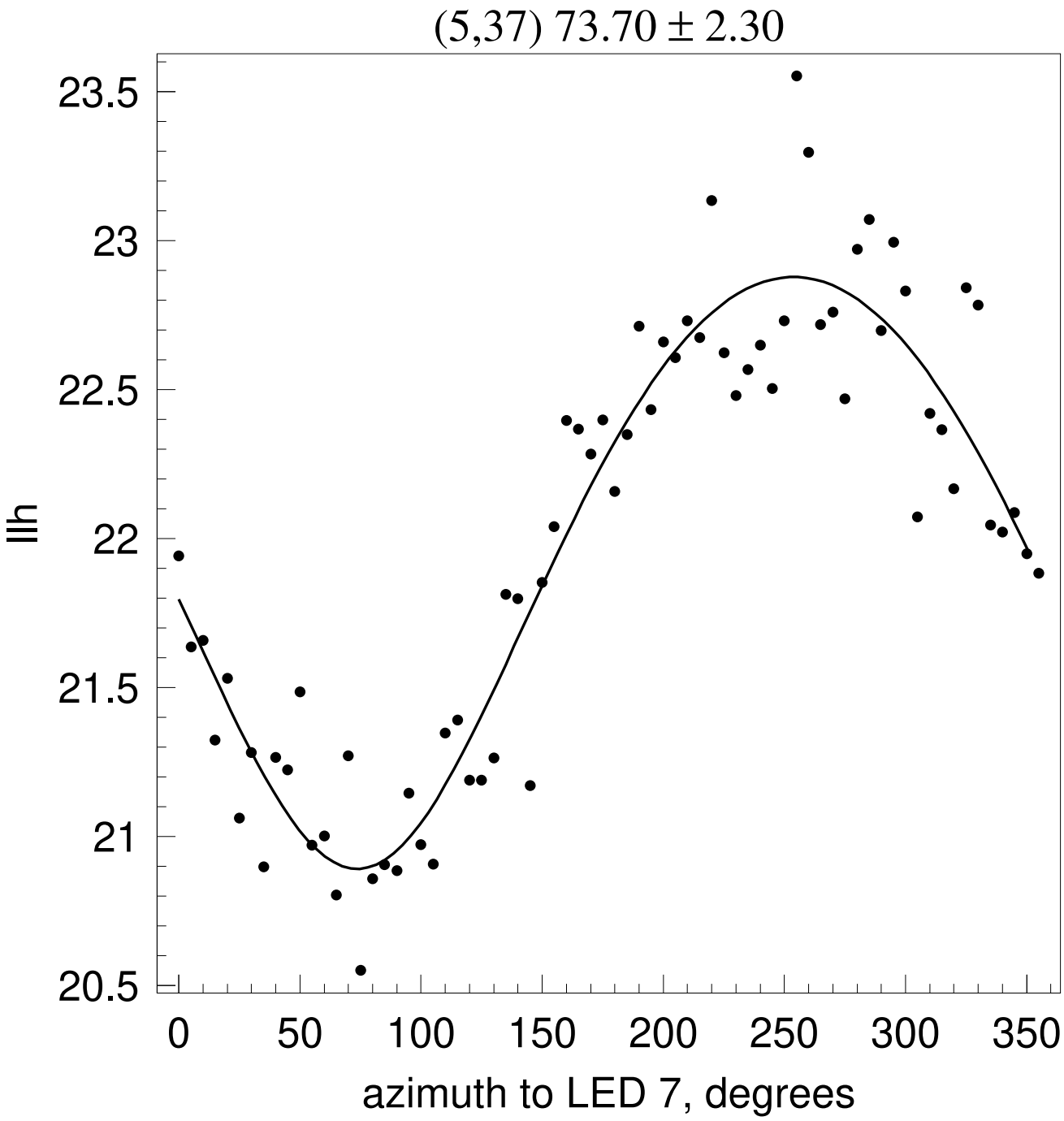

(4,37) 64.52 ± 1.44
19
18.5
18
17.5
17
16.5
16
15.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

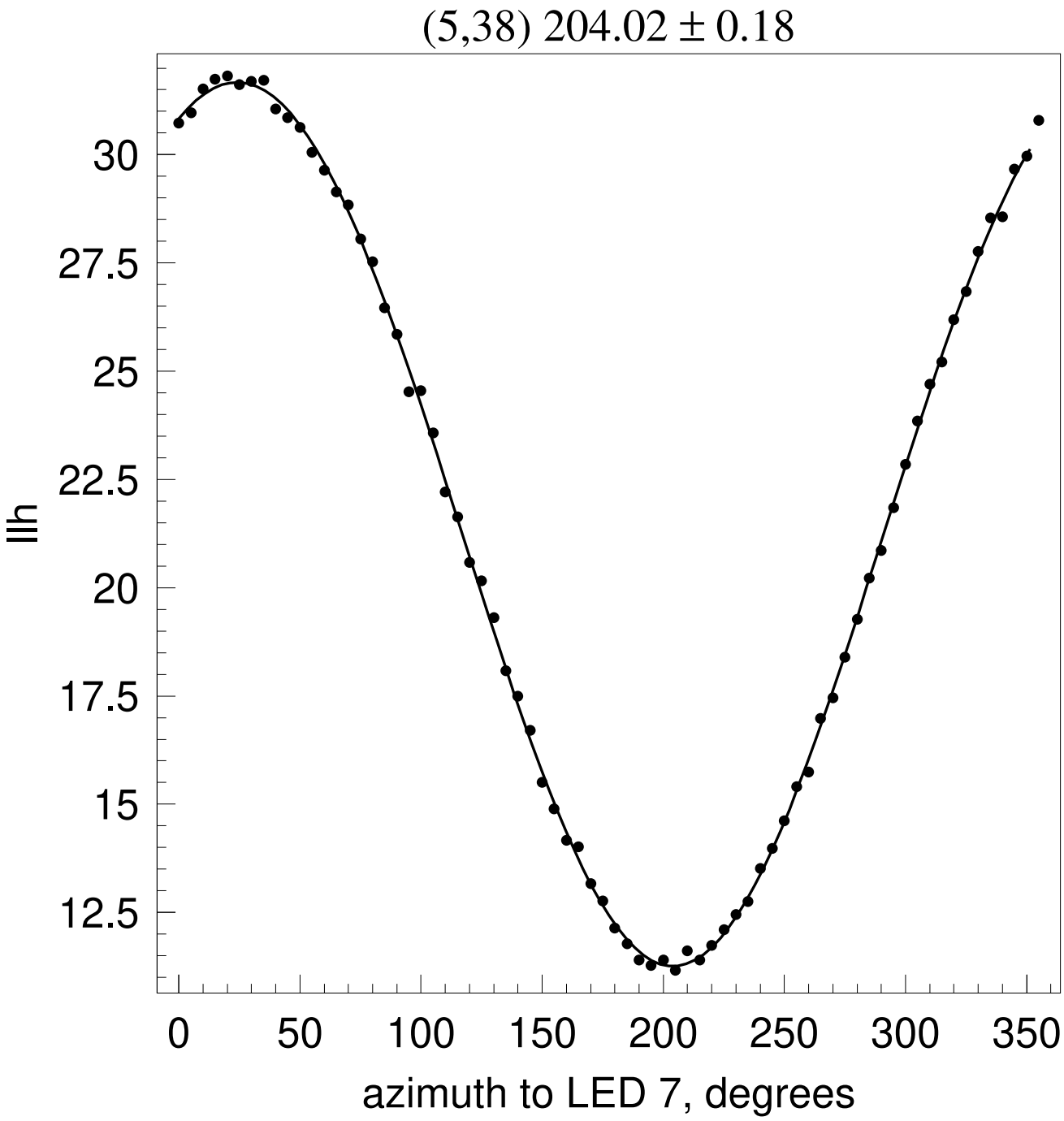

(5,33) 241.97 ± 0.13
32.5
30
27.5
25
22.5
20
17.5
15
12.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

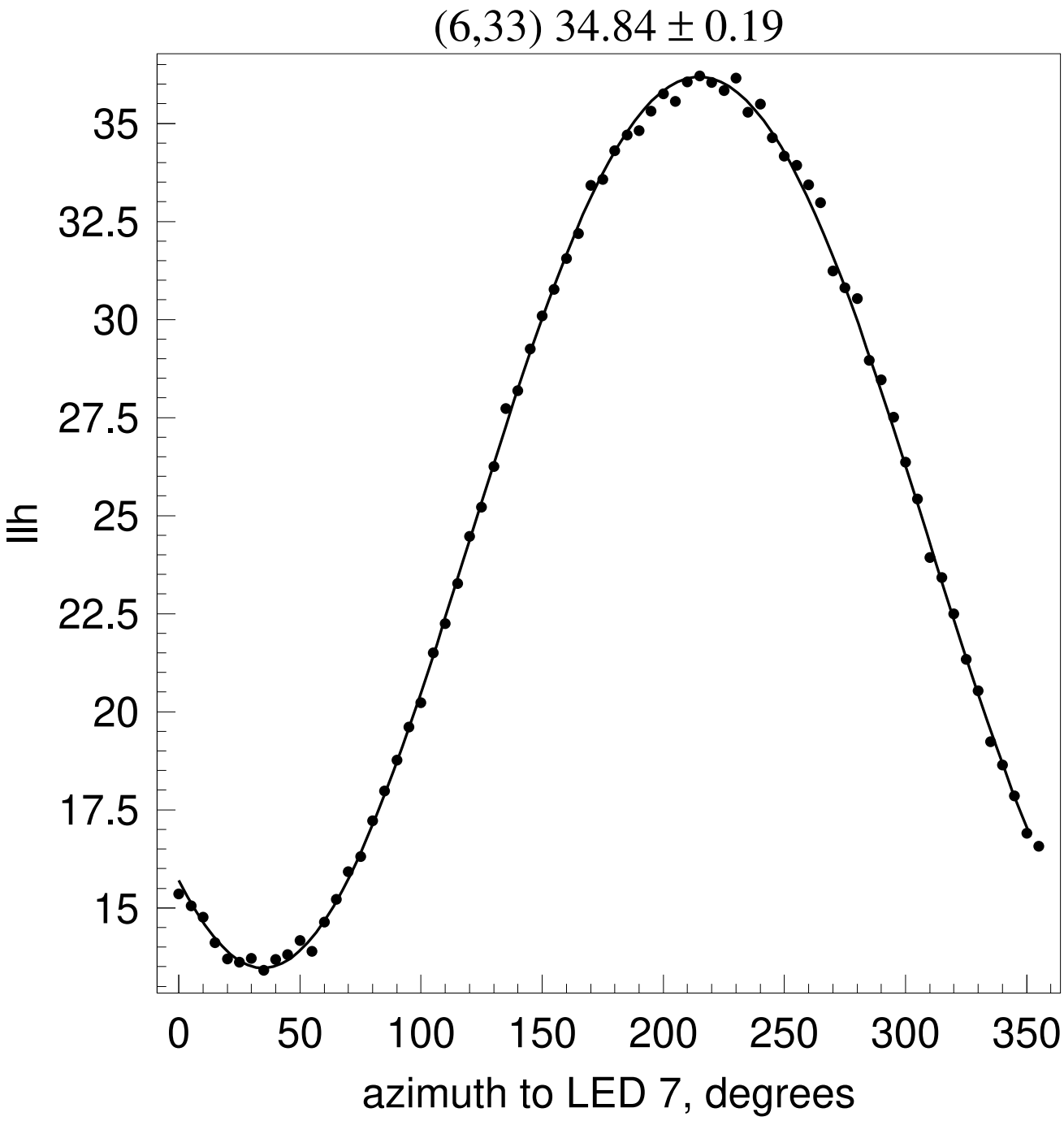

(5,34) 306.51 ± 0.47
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

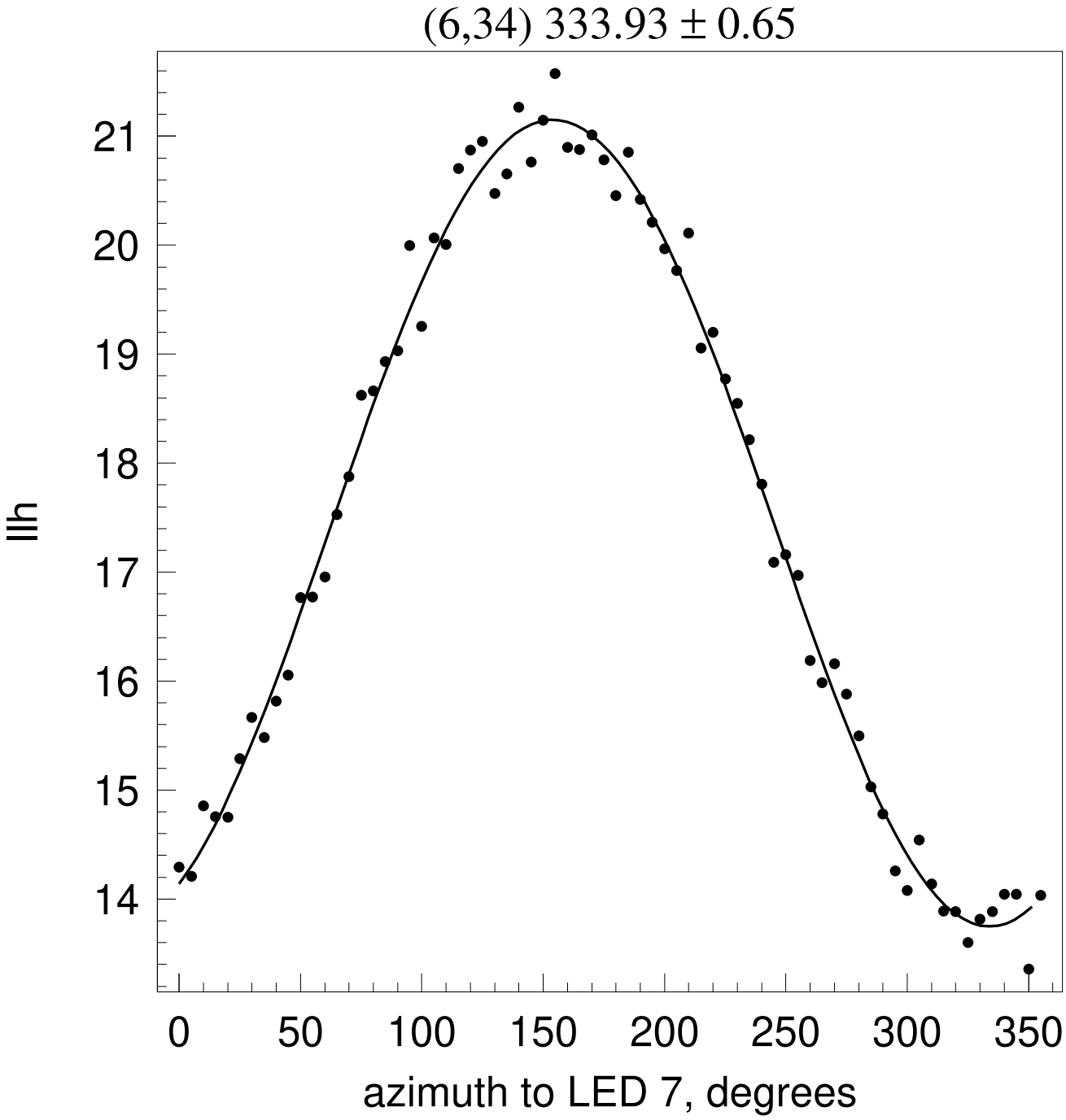

(5,35) 59.60 ± 2.74
22
21.5
21
20.5
20
19.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

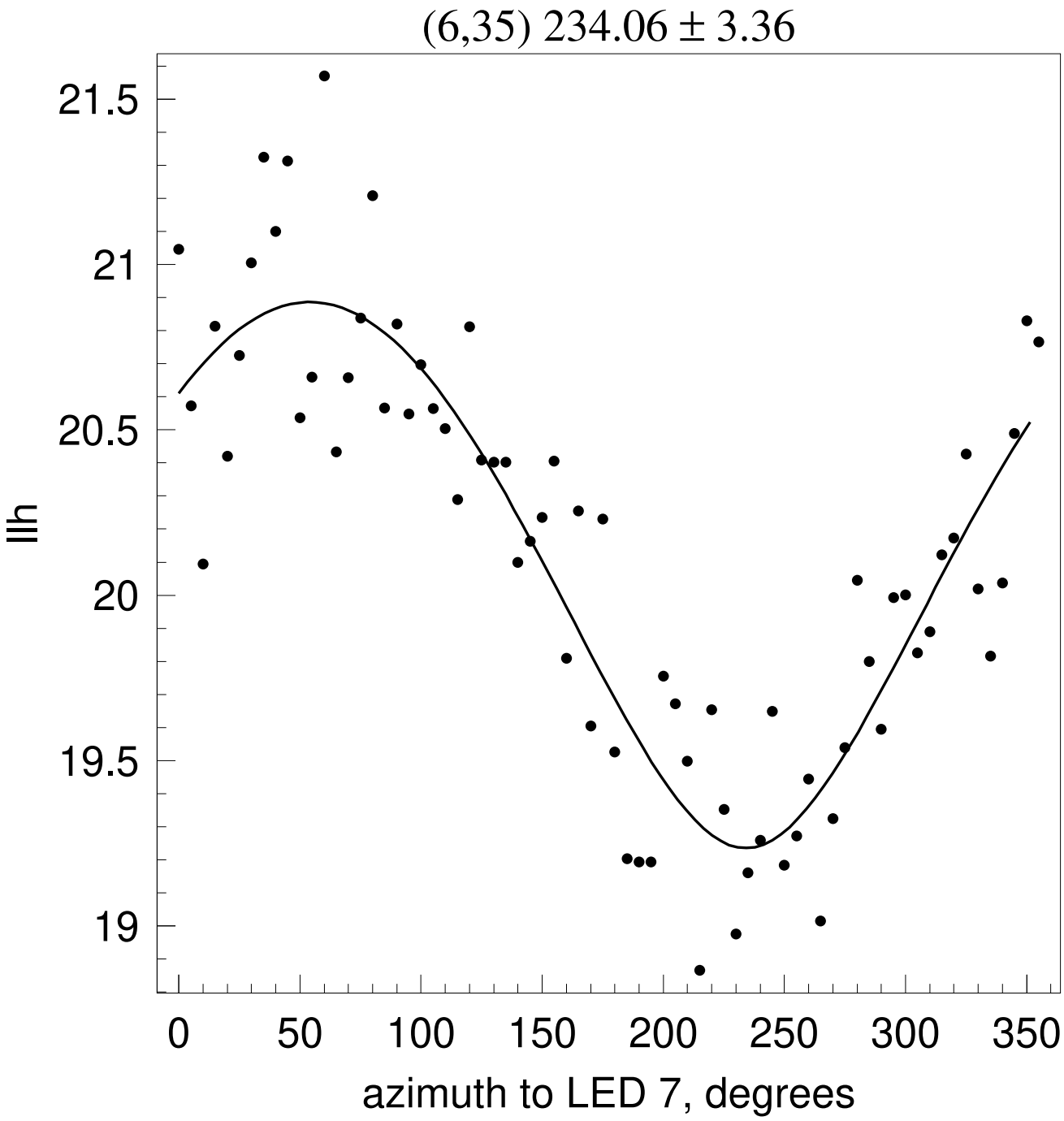

(5,36) 204.83 ± 108.06
55.5
55
54.5
54
53.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

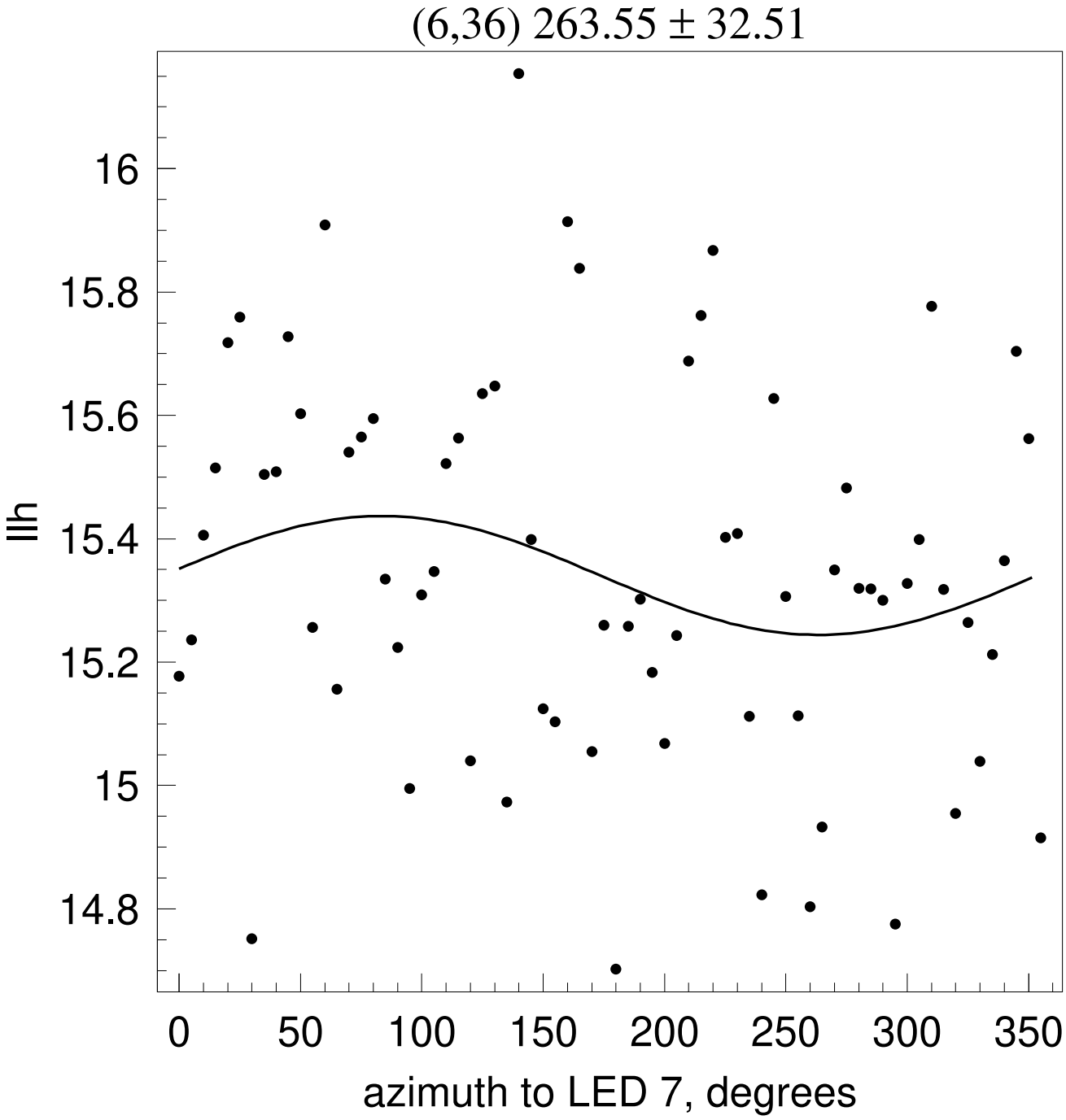

(5,37) 73.70 ± 2.30
23.5
23
22.5
22
21.5
21
20.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

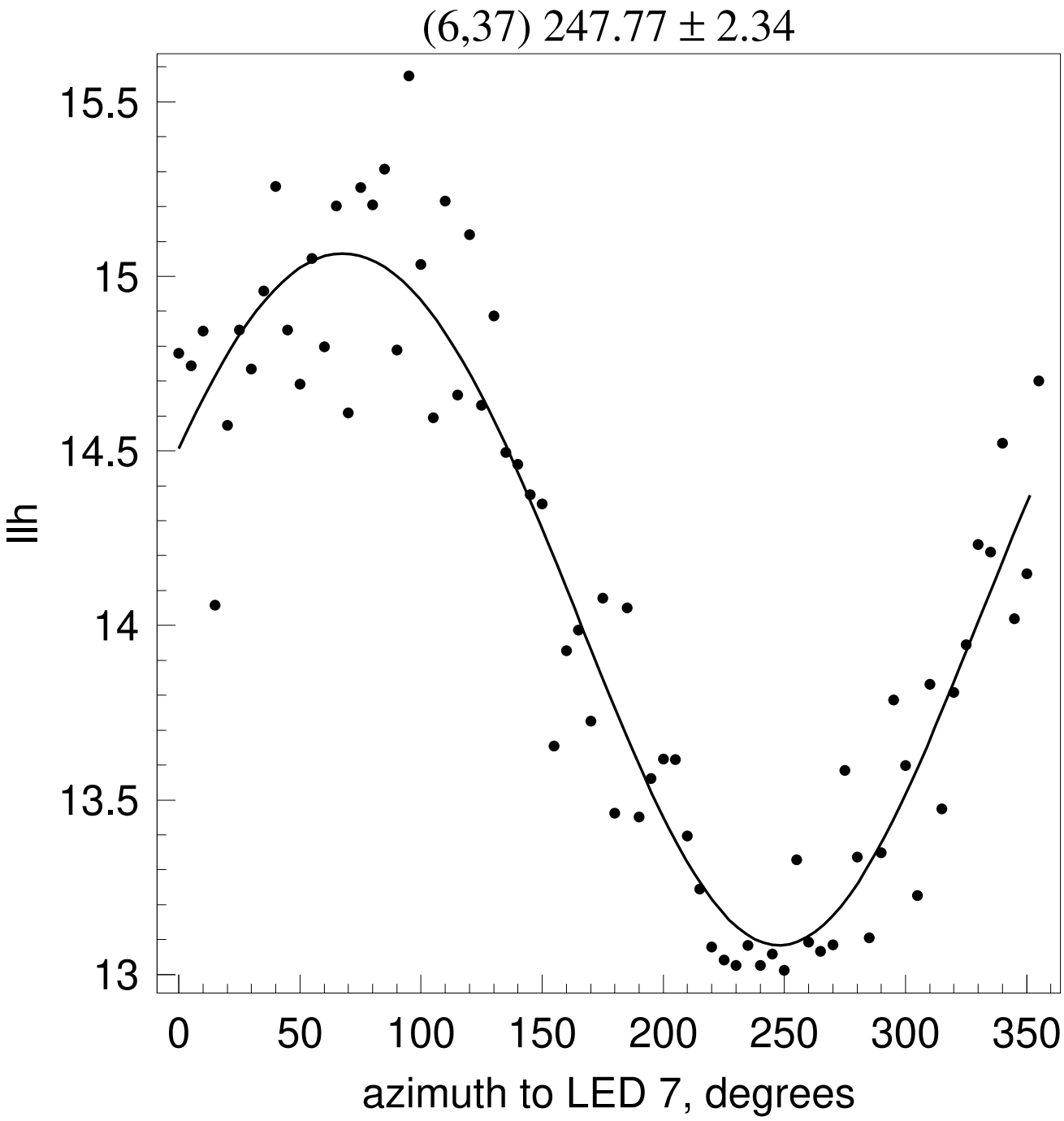

(5,38) 204.02 ± 0.18
30
27.5
25
22.5
20
17.5
15
12.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

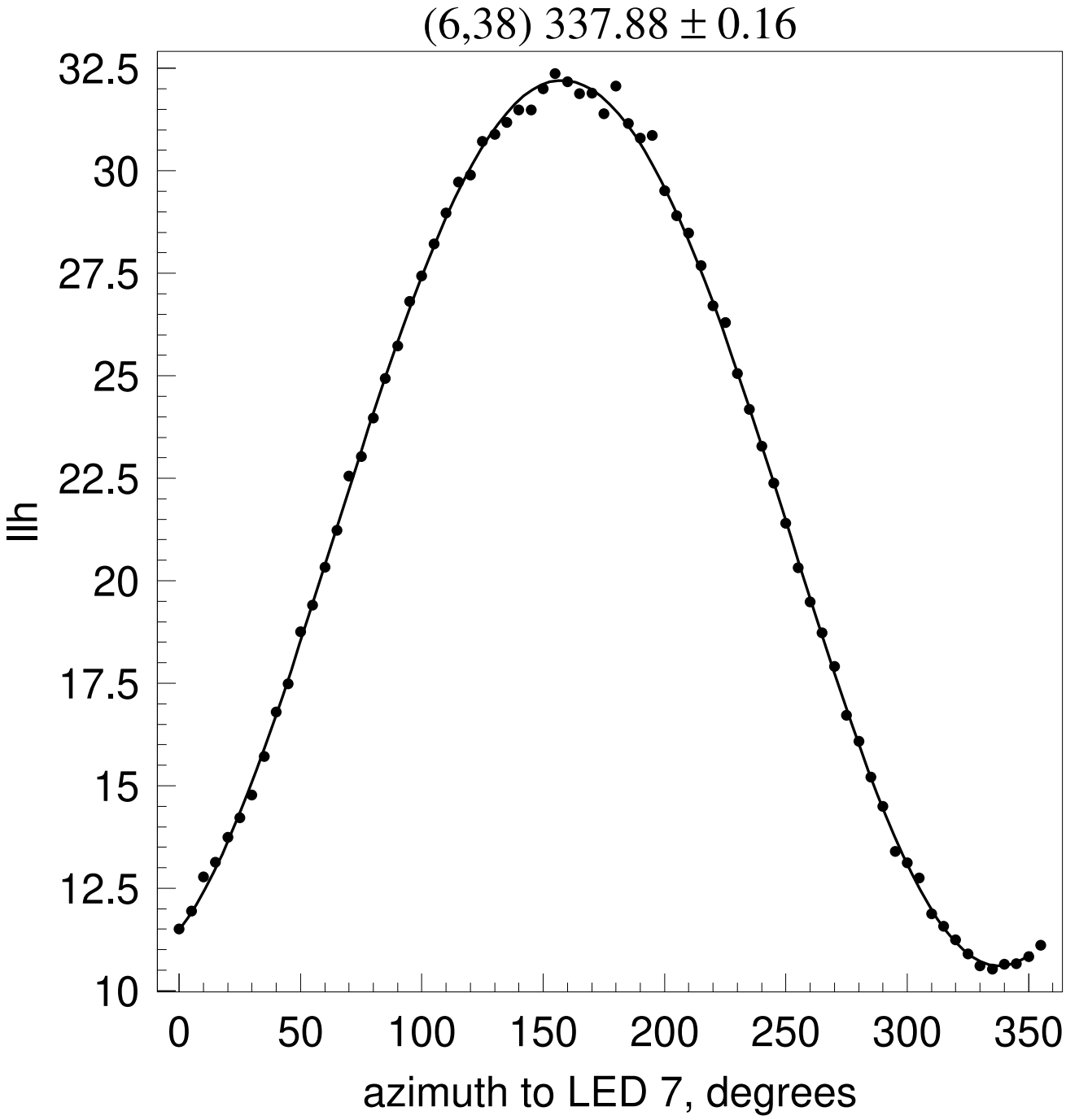

(6,33) 34.84 ± 0.19
35
32.5
30
27.5
25
22.5
20
17.5
15
lln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

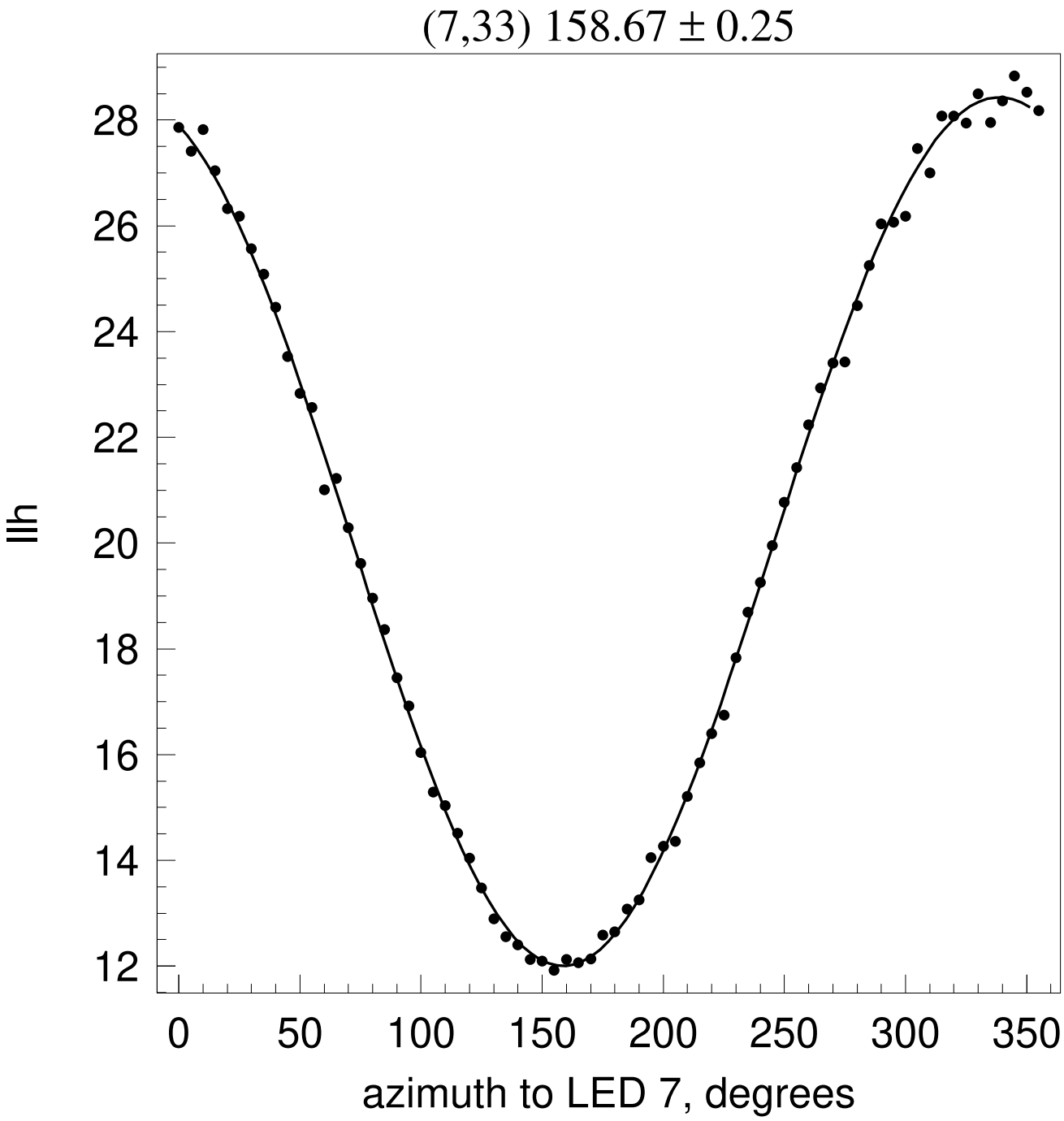

(6,34) 333.93 ± 0.65
21
20
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

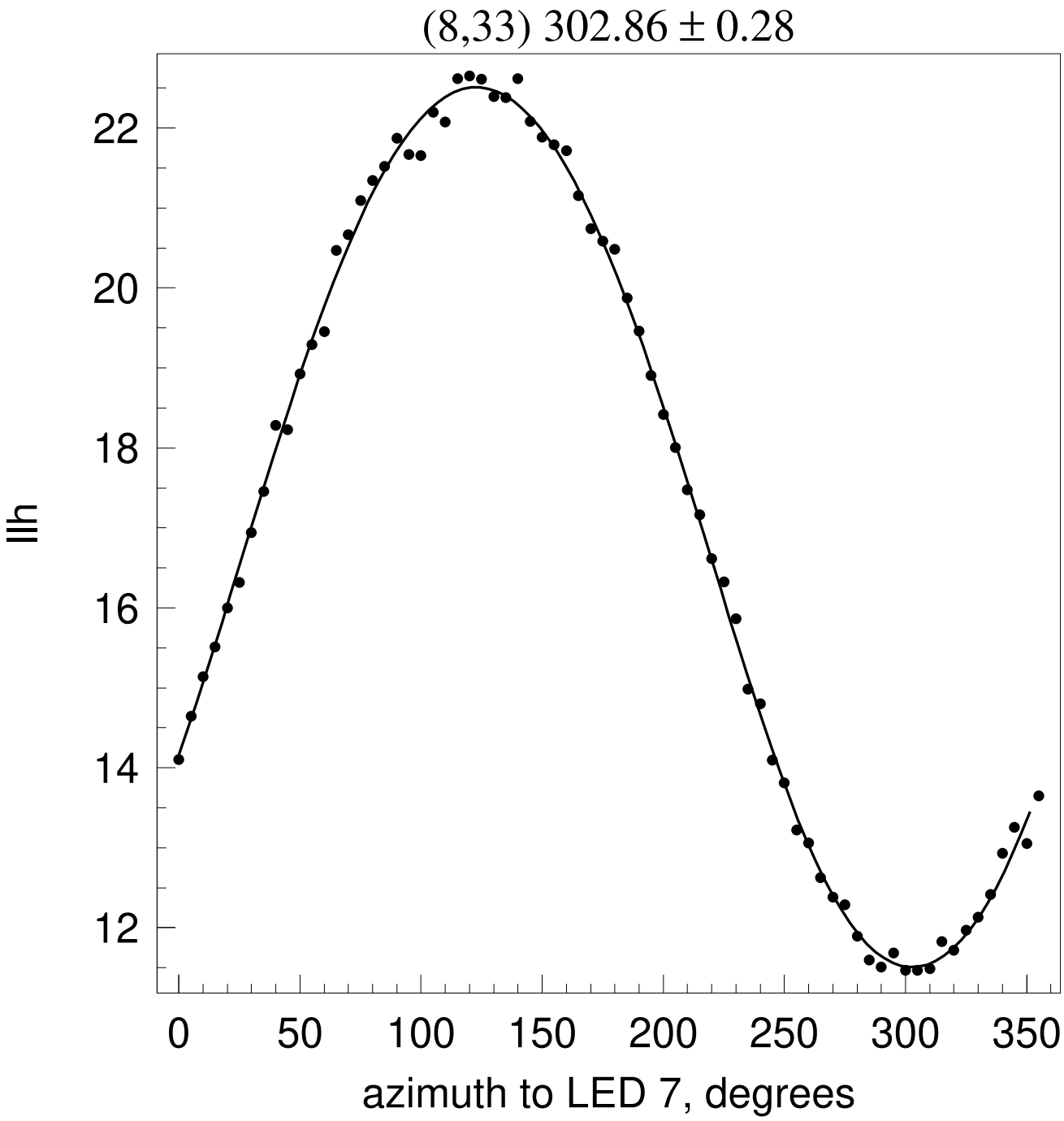

(6,35) 234.06 ± 3.36
21.5
21
20.5
20
19.5
19
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

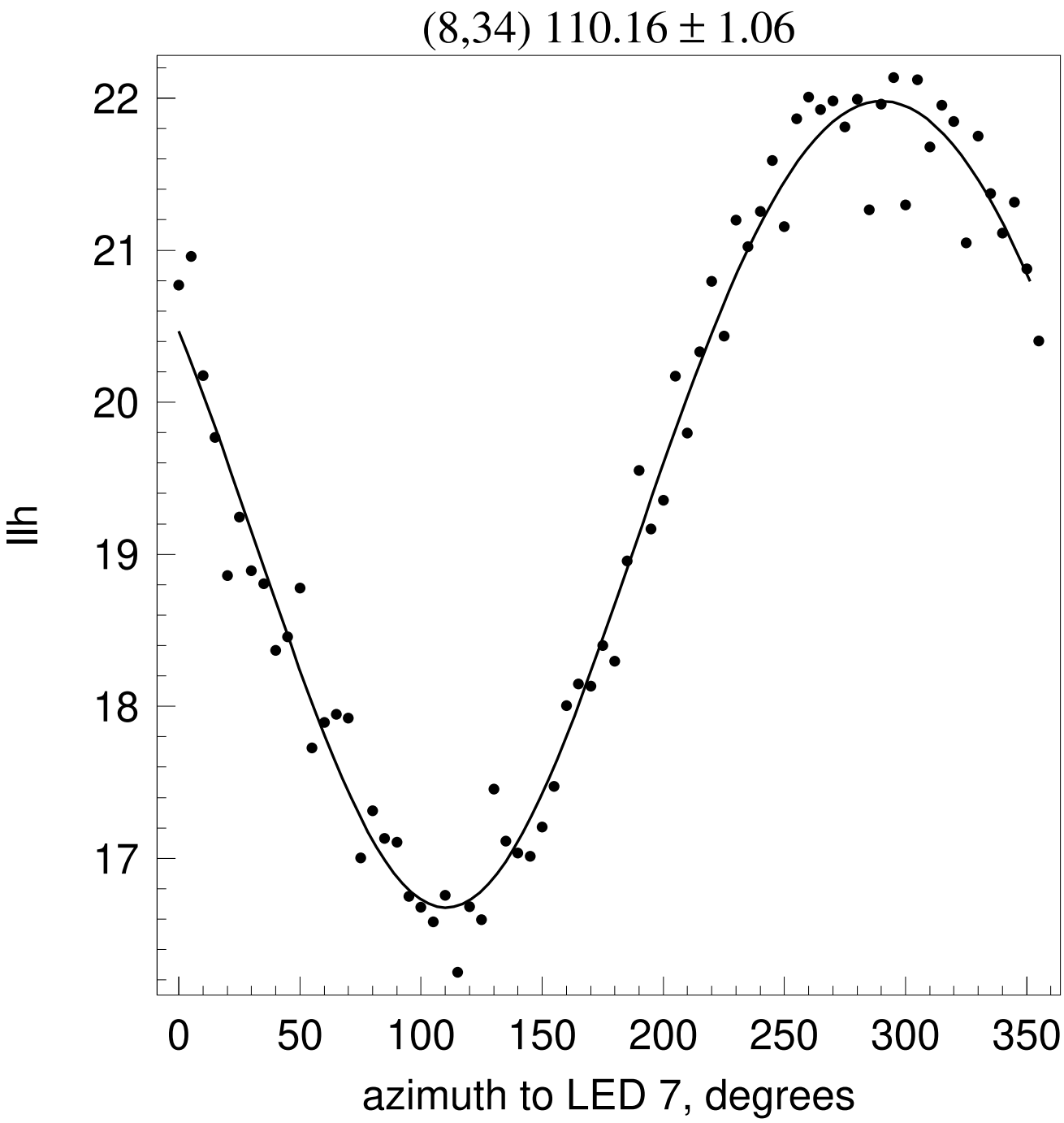

(6,36) 263.55 ± 32.51
16
15.8
15.6
15.4
15.2
15
14.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

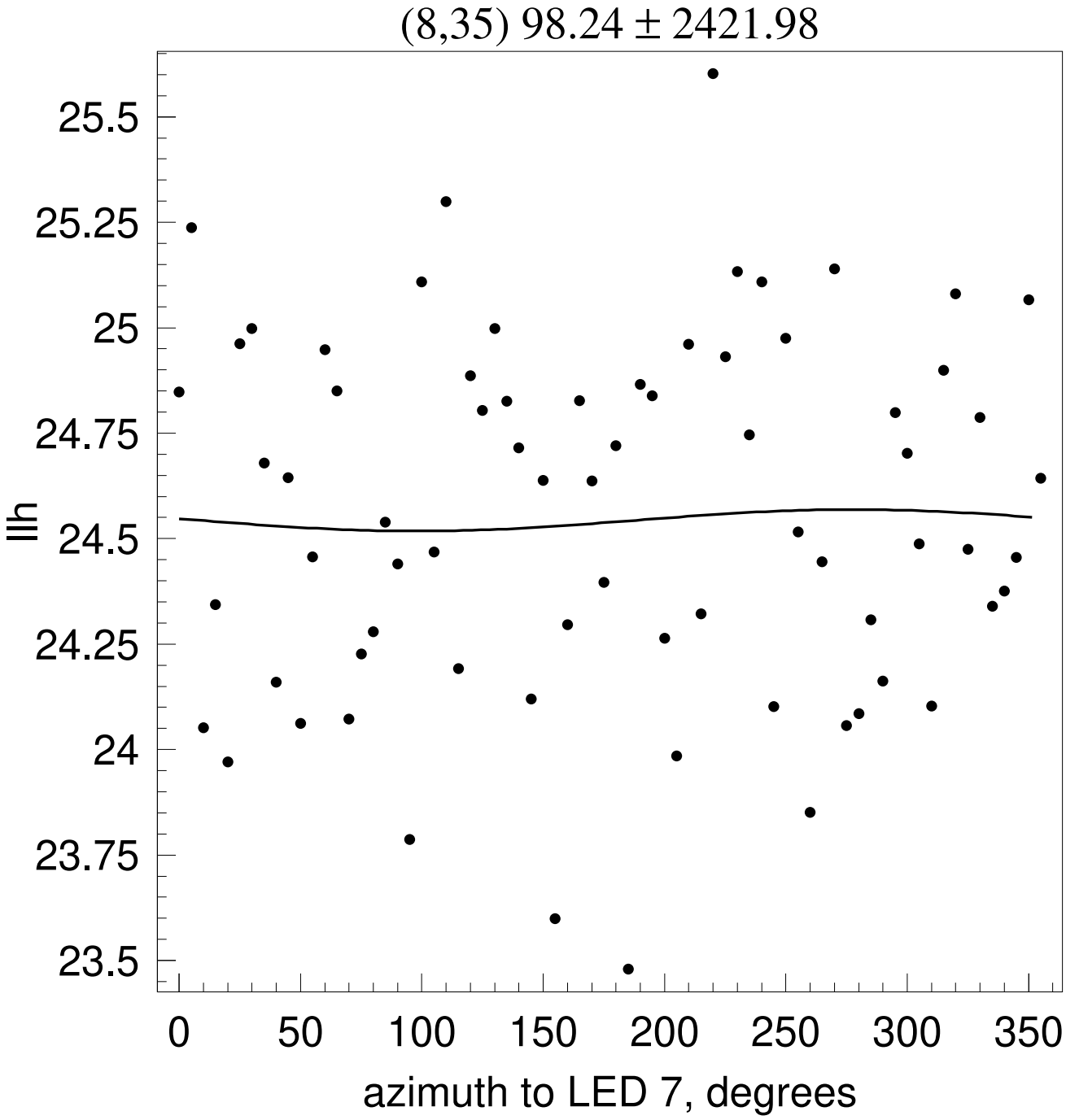

(6,37) 247.77 ± 2.34
15.5
15
14.5
14
13.5
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

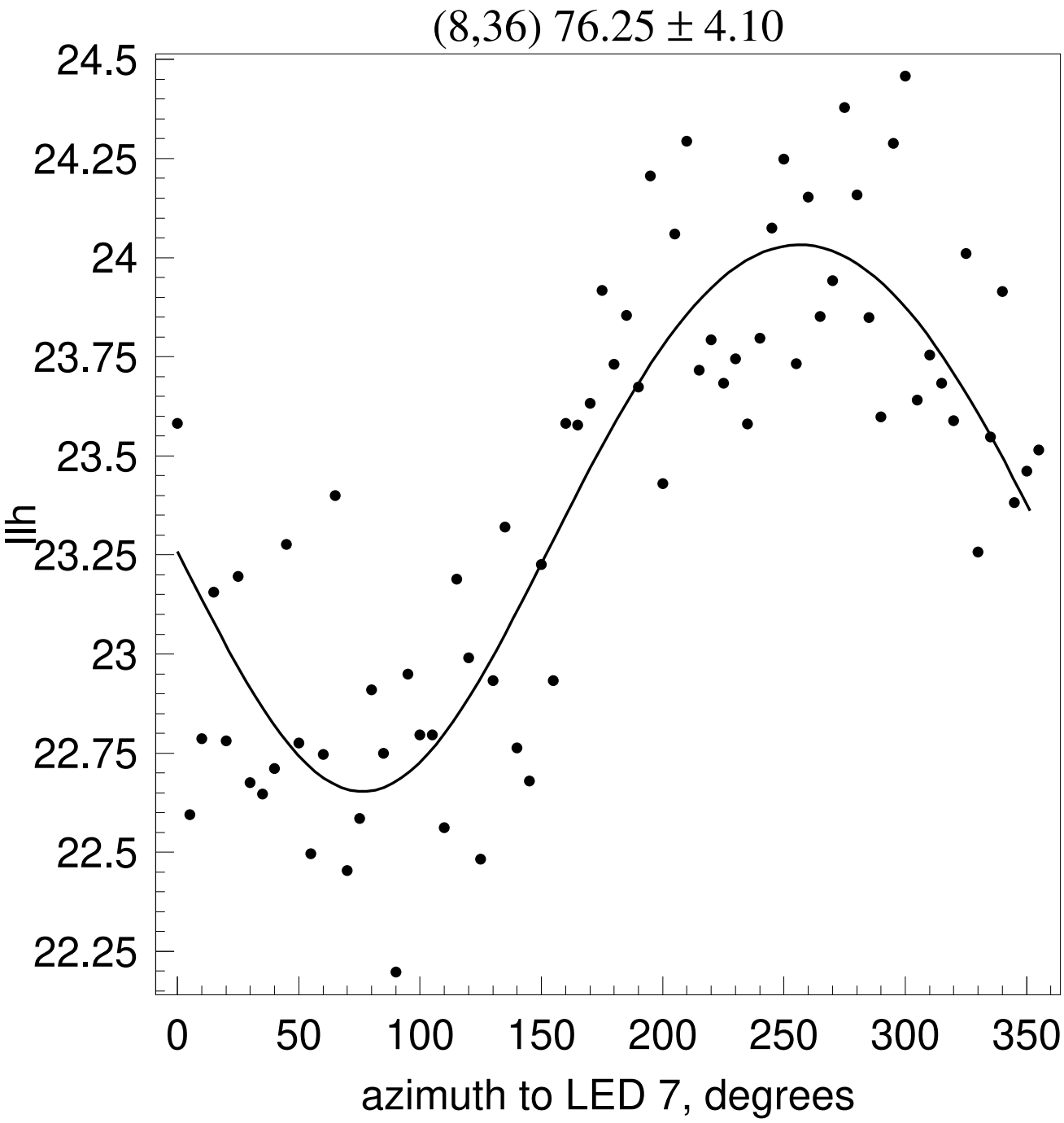

(6,38) 337.88 ± 0.16
32.5
30
27.5
25
22.5
20
17.5
15
12.5
10
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

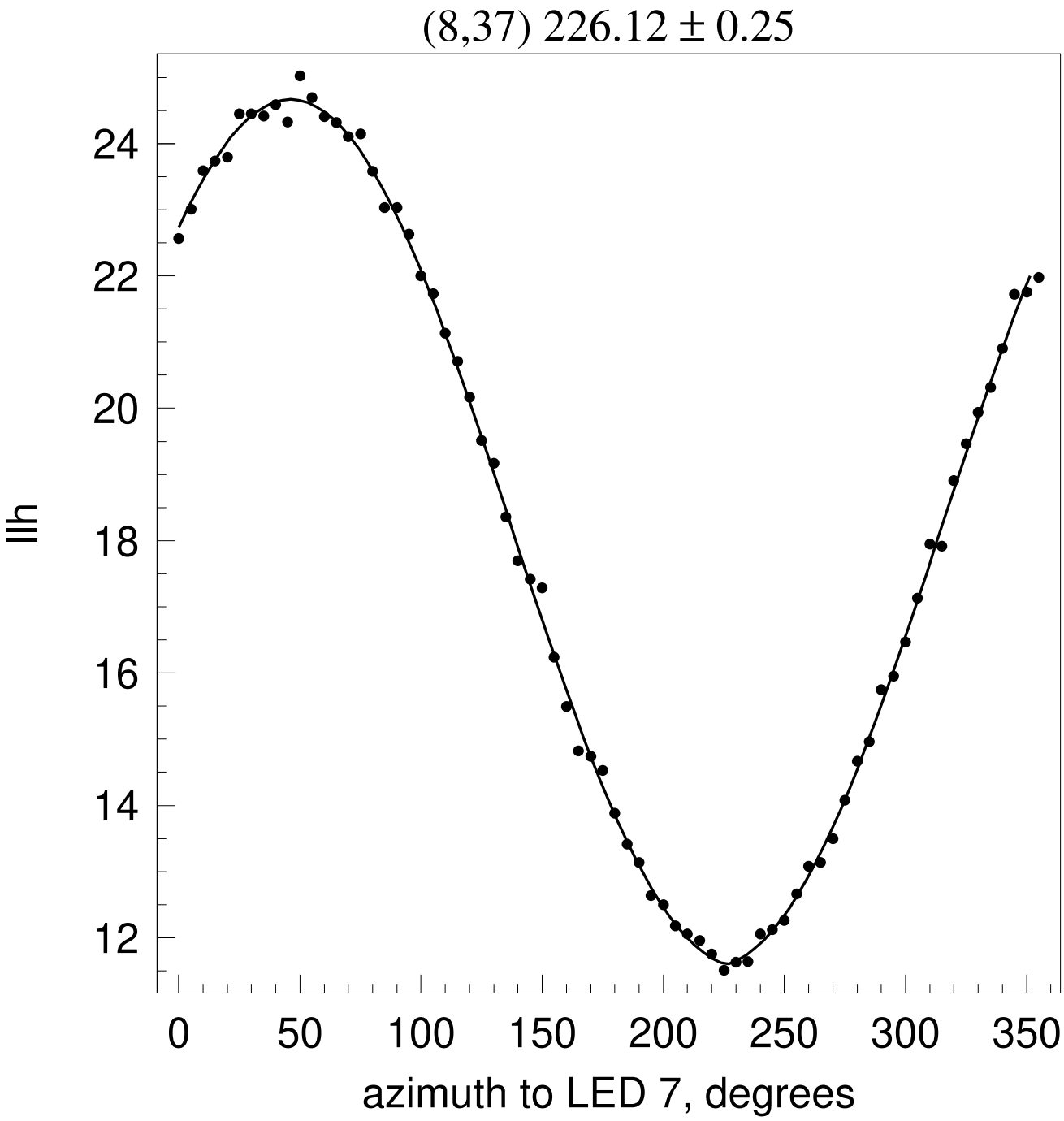

(7,33) 158.67 ± 0.25
28
26
24
22
20
18
16
14
12
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

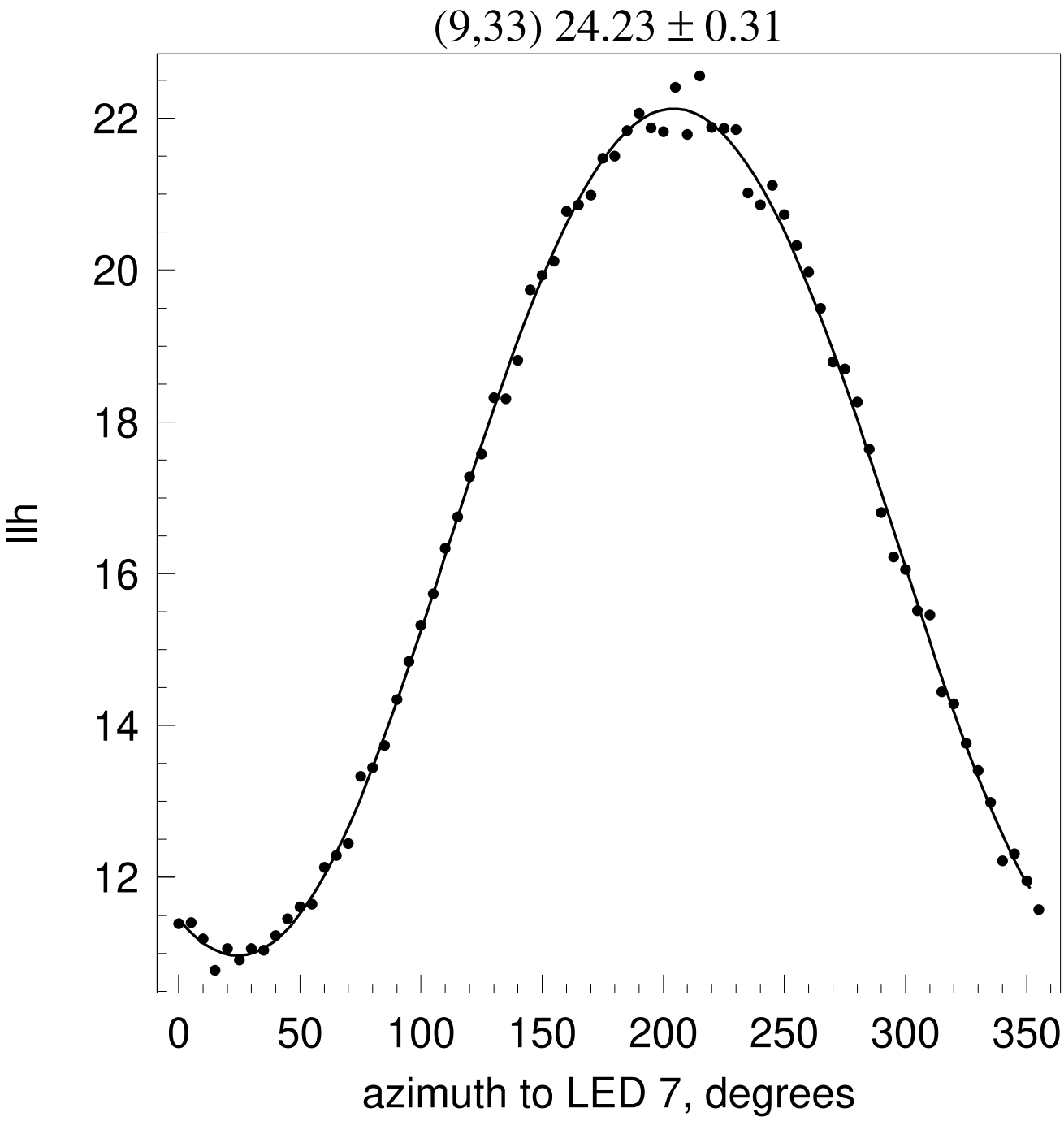

(8,33) 302.86 ± 0.28
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

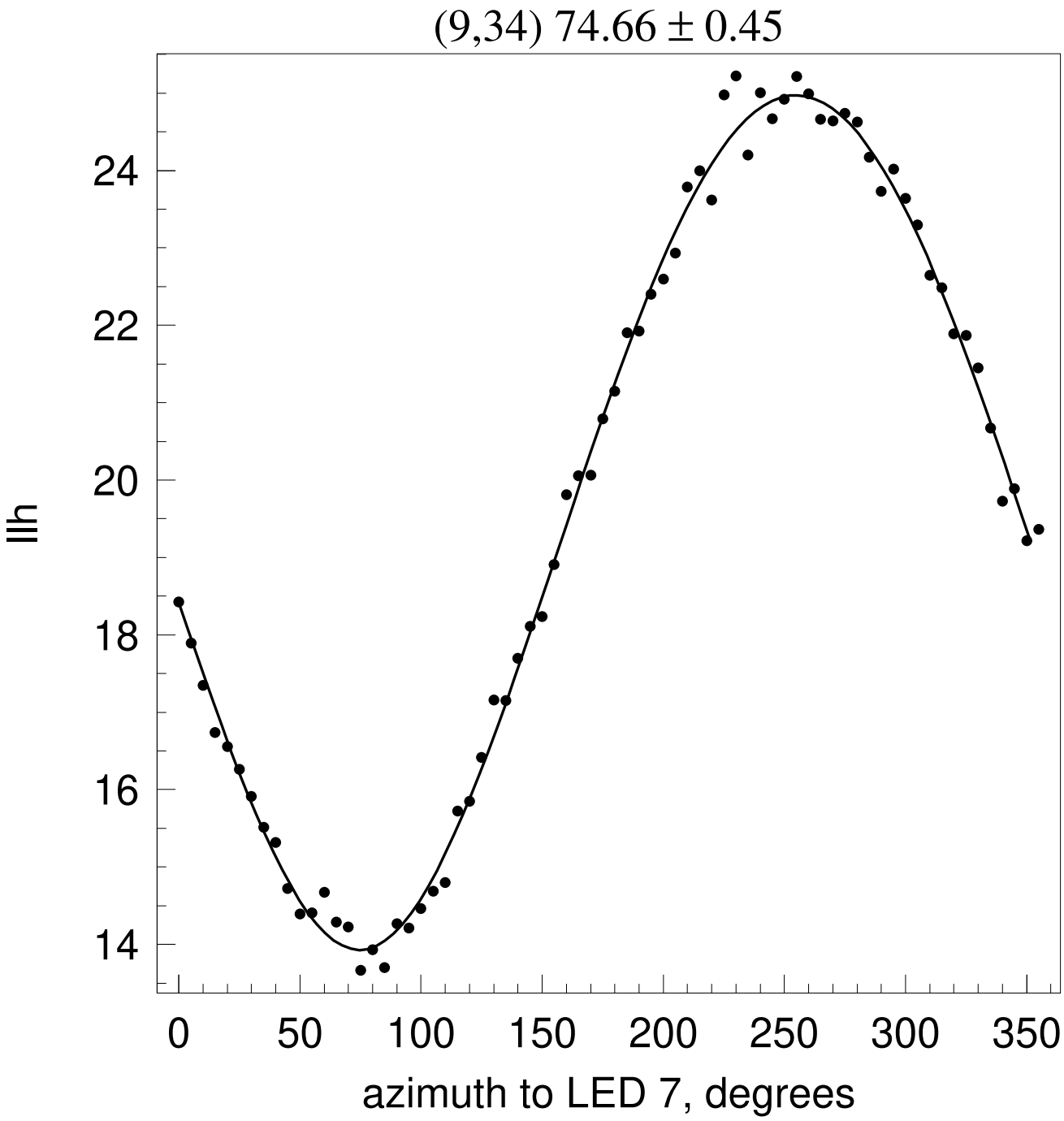

(8,34) 110.16 ± 1.06
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

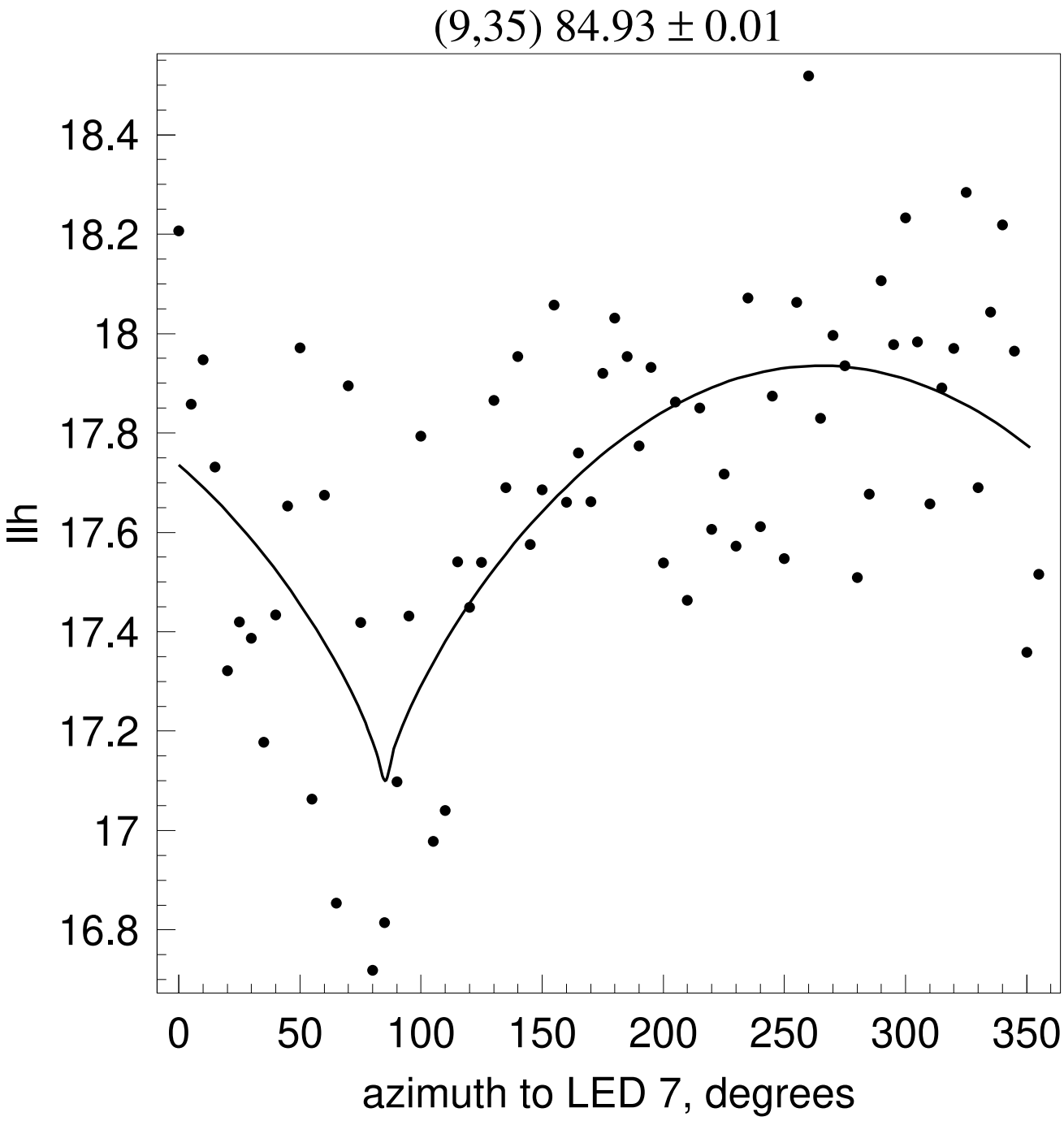

(8,35) 98.24 ± 2421.98
25.5
25.25
25
24.75
24.5
24.25
24
23.75
23.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

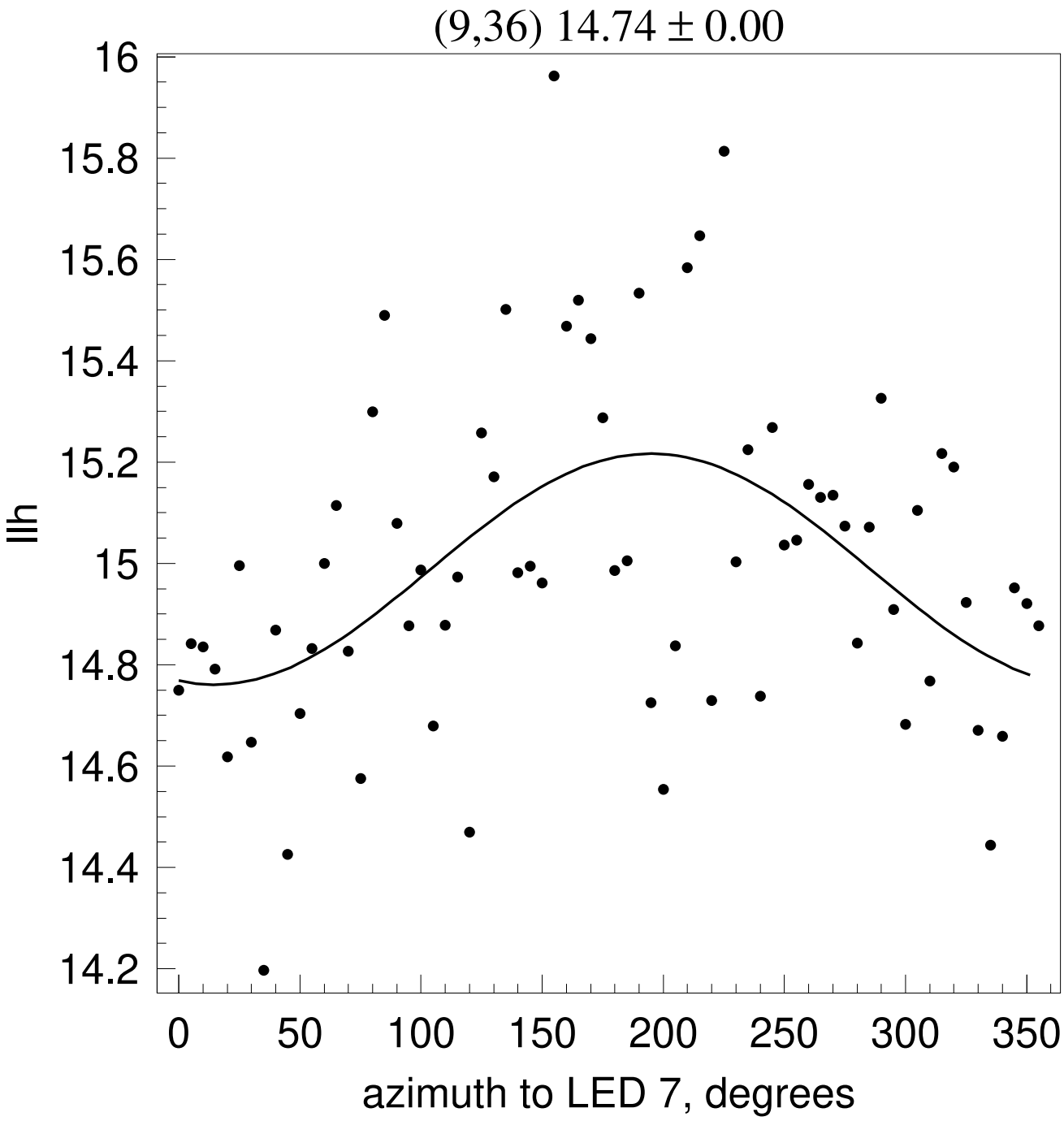

(8,36) 76.25 ± 4.10
24.5
24.25
24
23.75
23.5
23.25
23
22.75
22.5
22.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

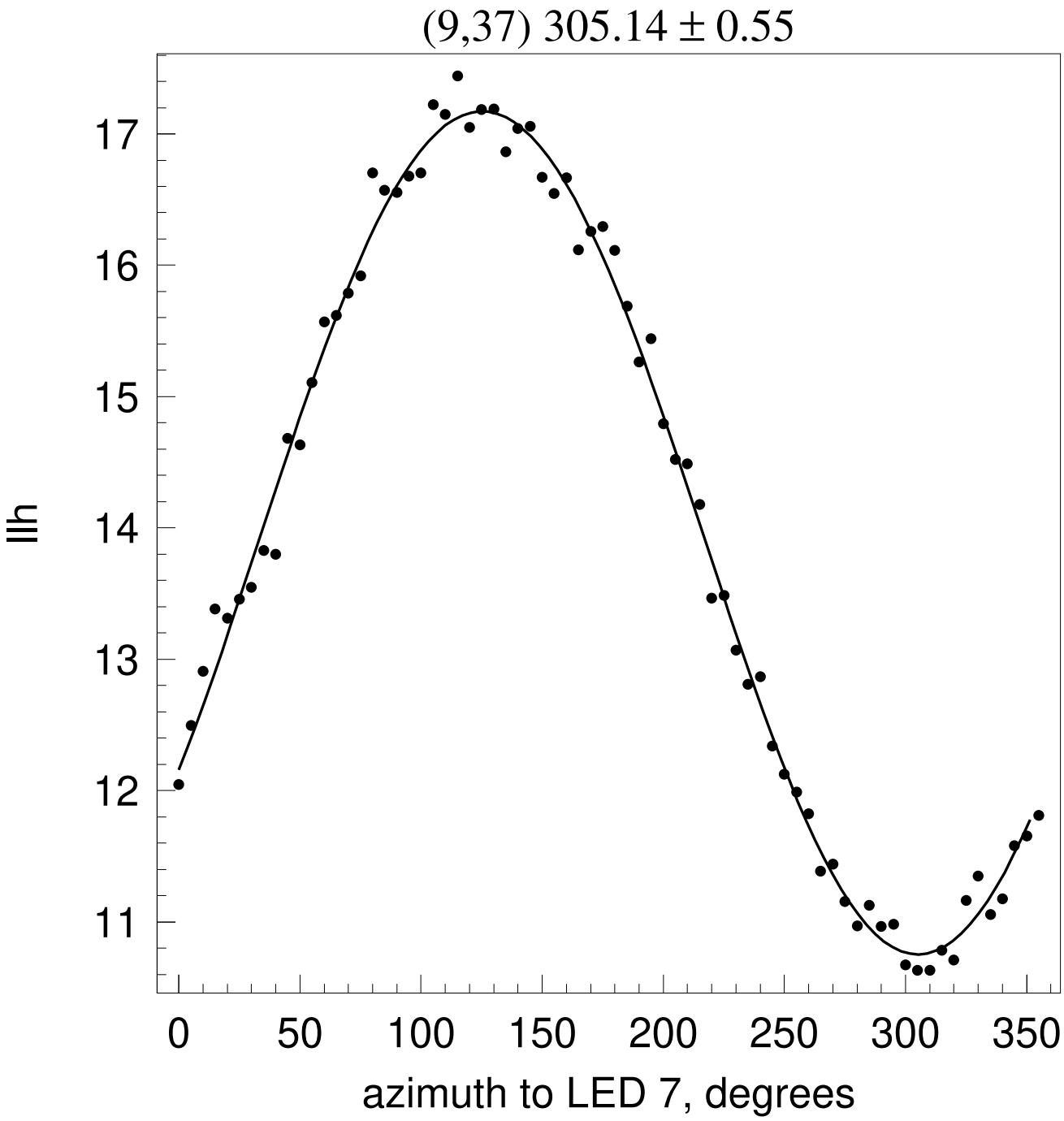

(8,37) 226.12 ± 0.25
24
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

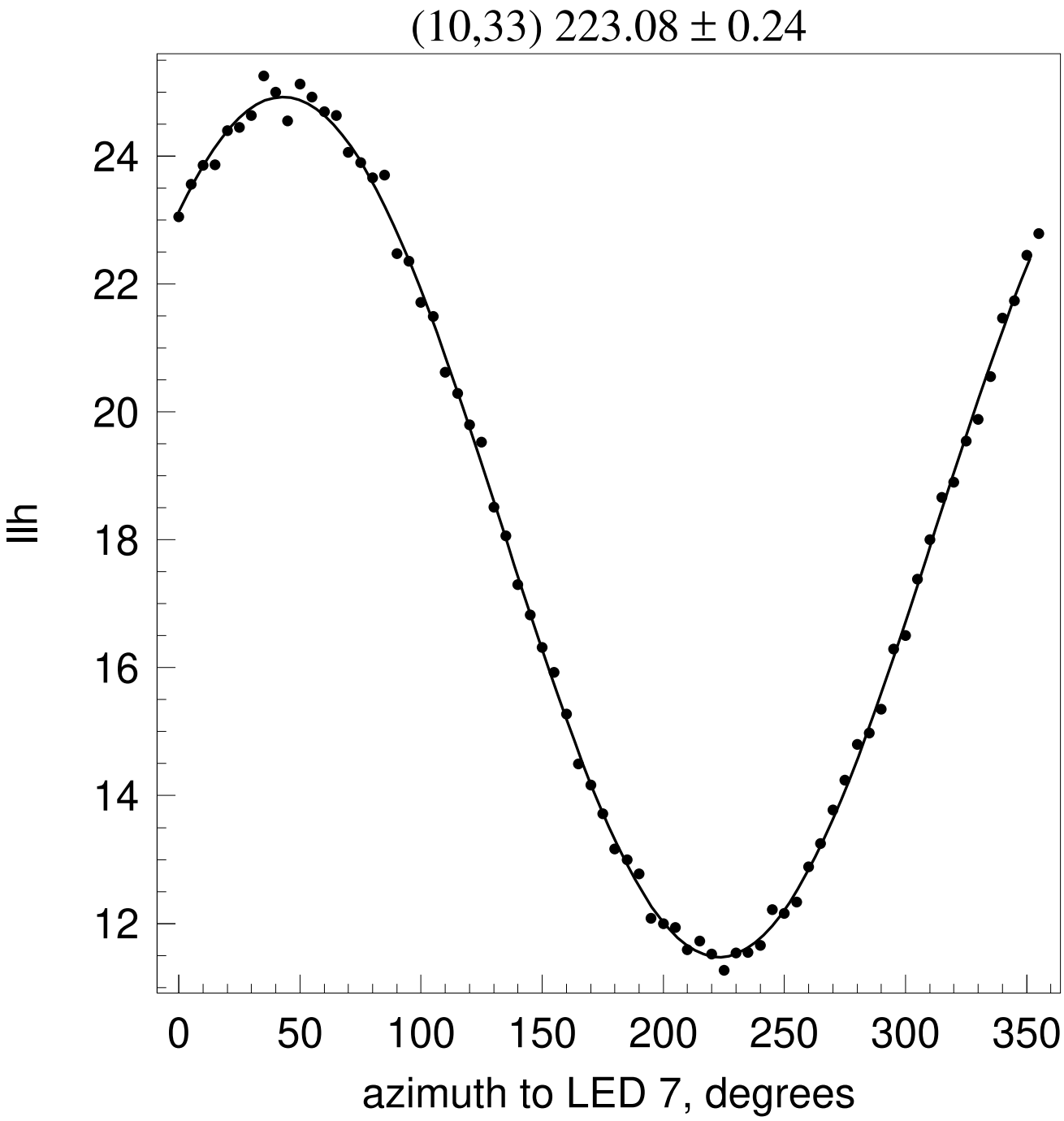

(9,33) 24.23 ± 0.31
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

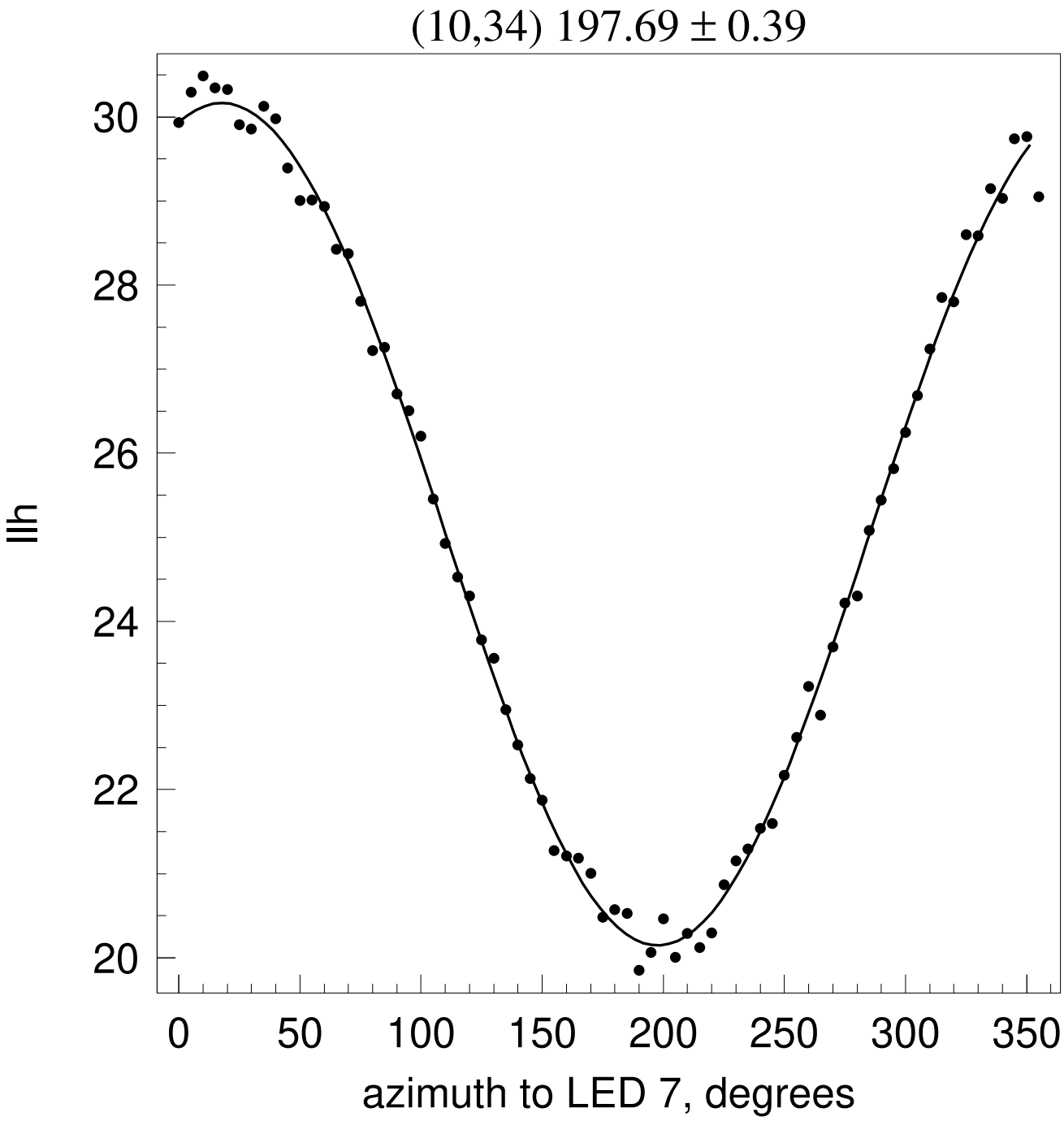

(9,34) 74.66 ± 0.45
24
22
20
18
16
14
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

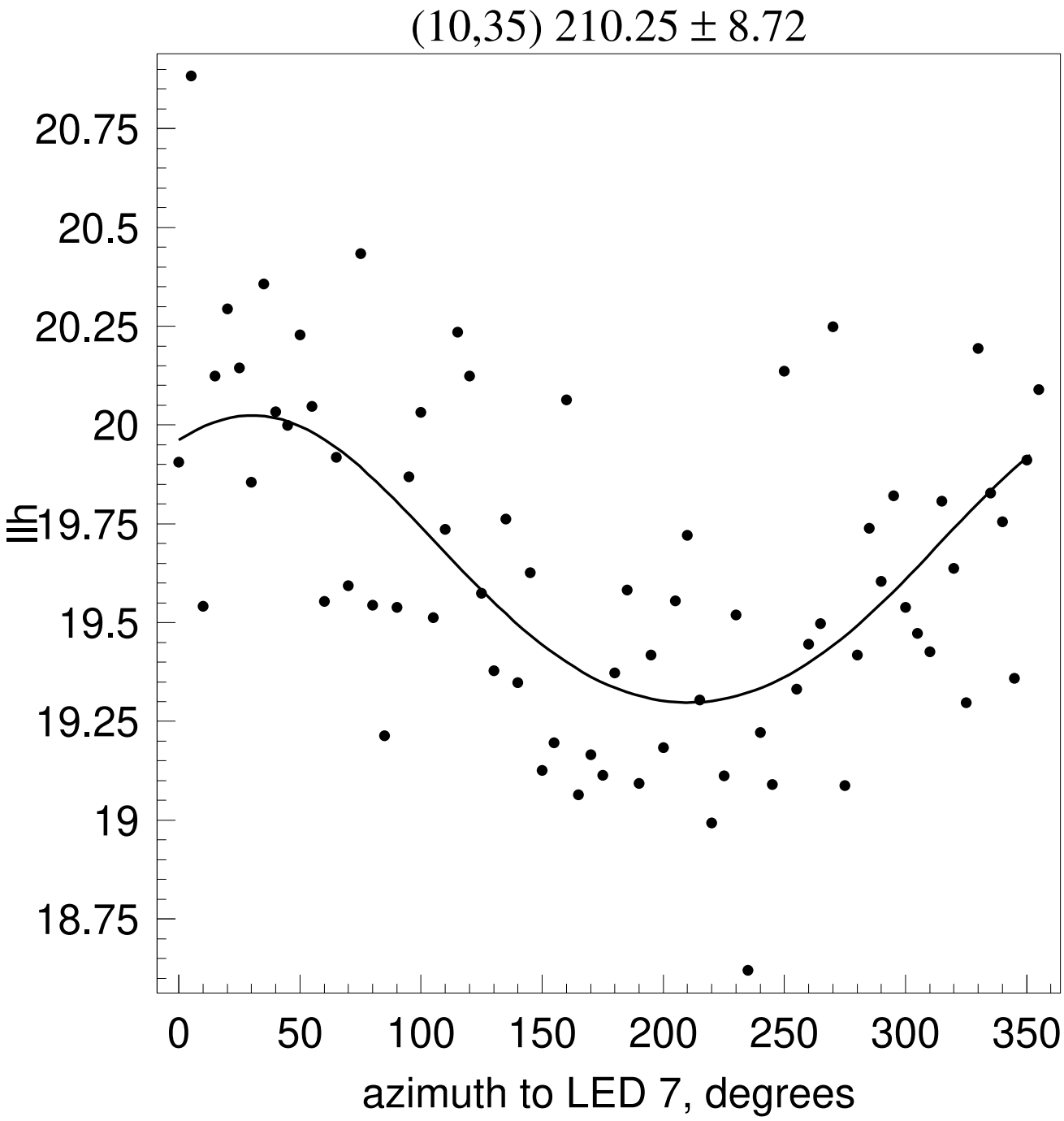

(9,35) 84.93 ± 0.01
18.4
18.2
18
17.8
17.6
17.4
17.2
17
16.8
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

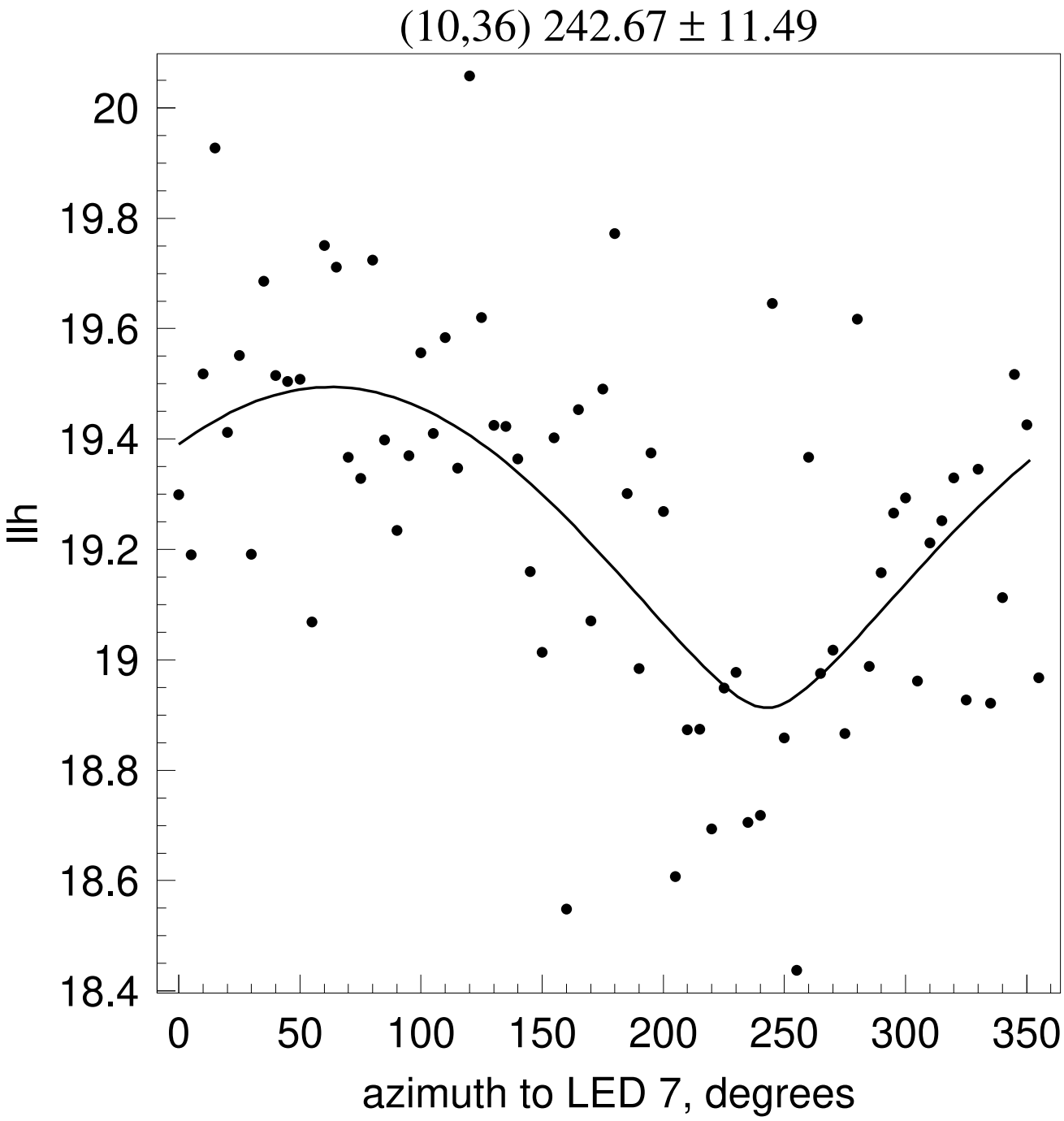

(9,36) 14.74 ± 0.00
16
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

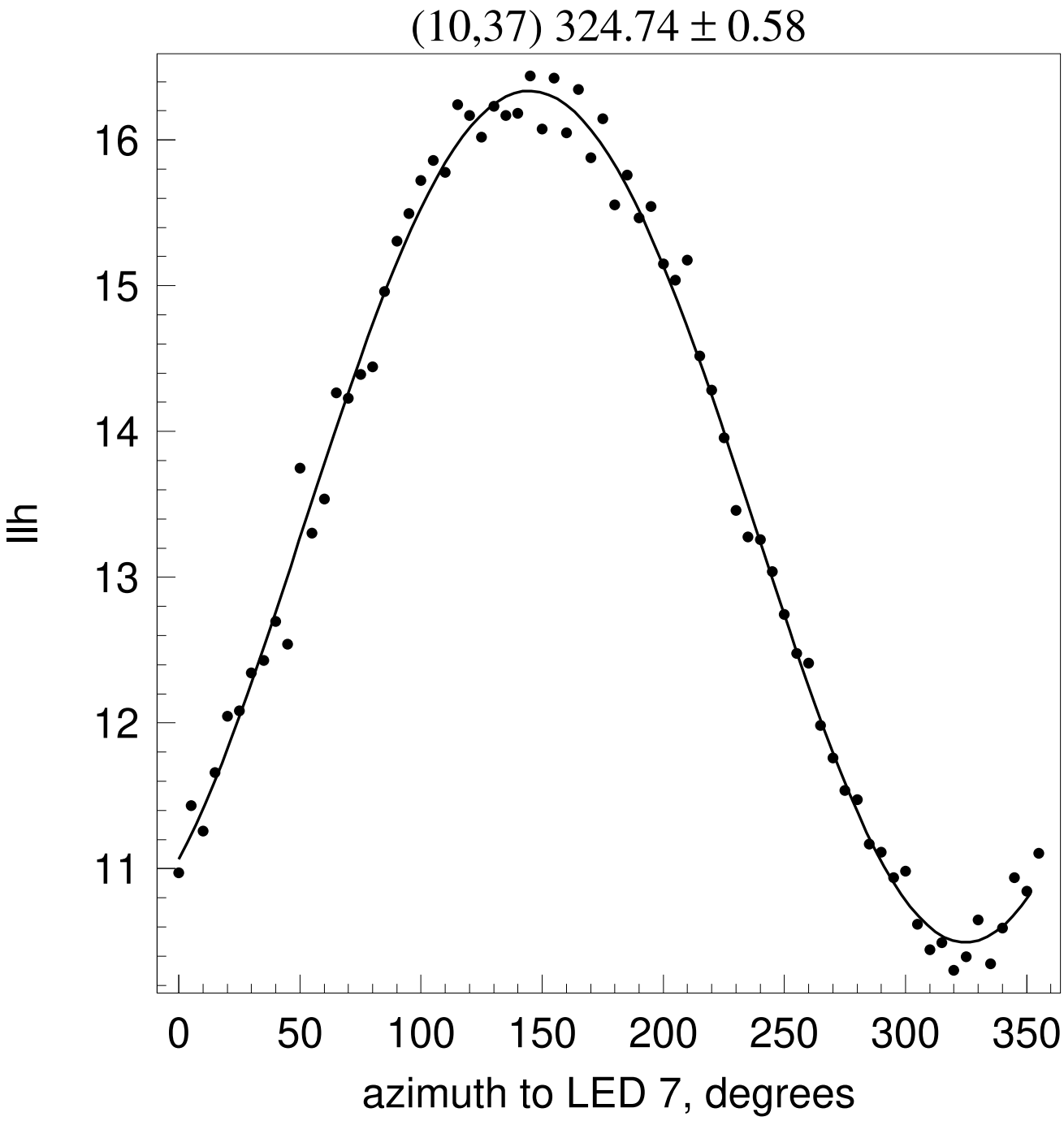

(9,37) 305.14 ± 0.55
17
16
15
14
13
12
11
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

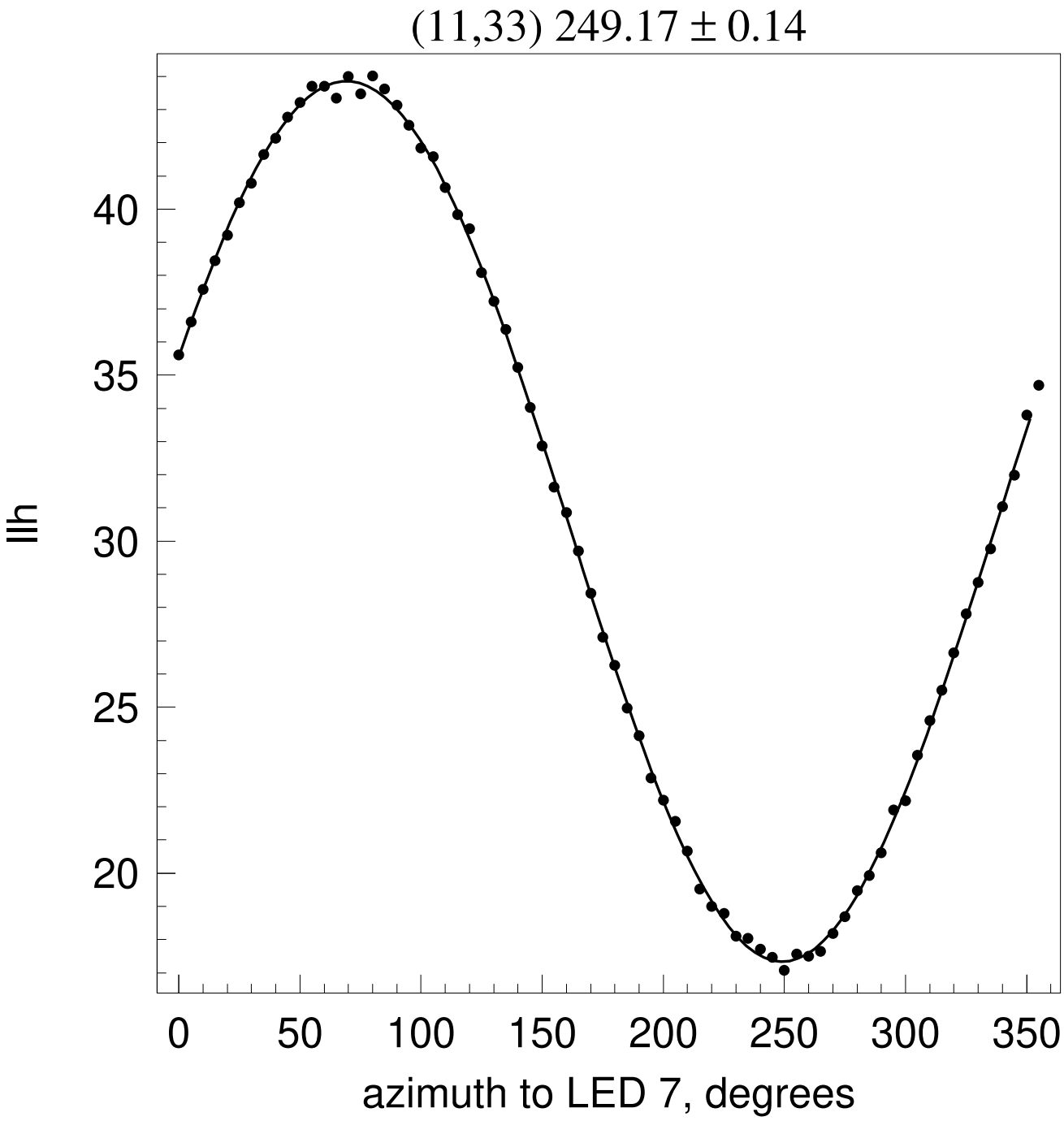

(10,33) 223.08 ± 0.24
24
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

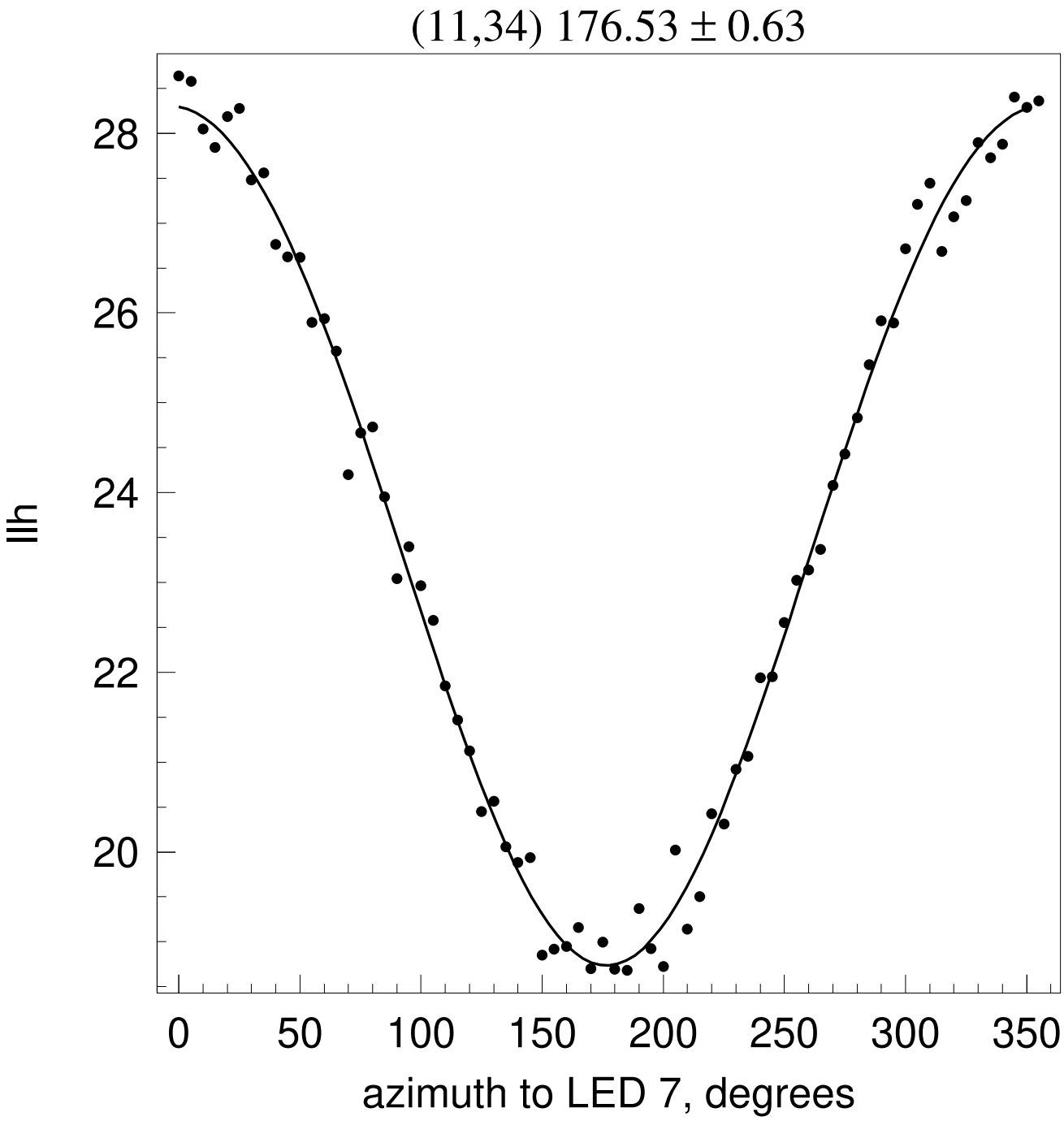

(10,34) 197.69 ± 0.39
30
28
26
24
22
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

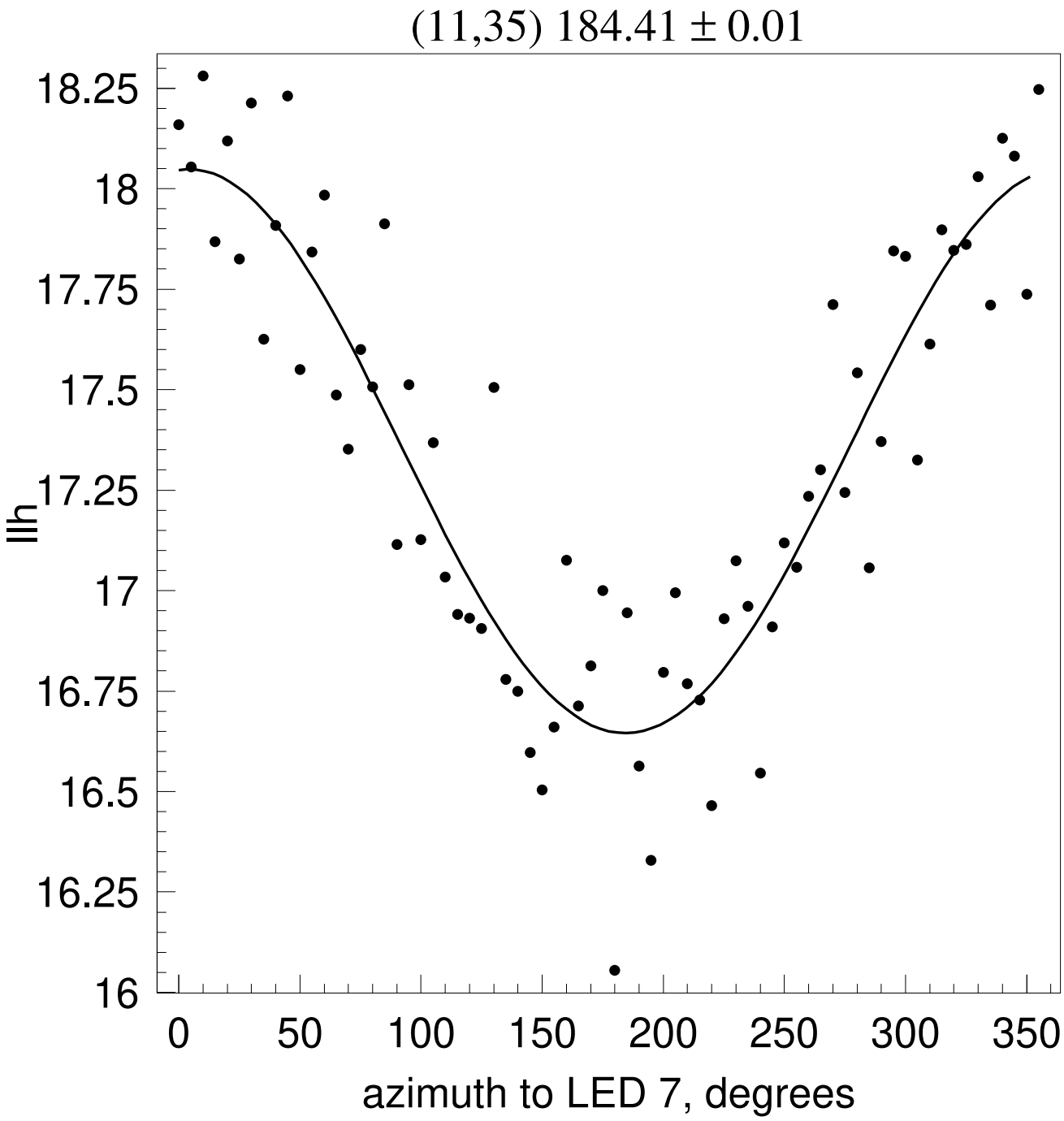

(10,35) 210.25 ± 8.72
20.75
20.5
20.25
20
19.75
19.5
19.25
19
18.75
μs
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

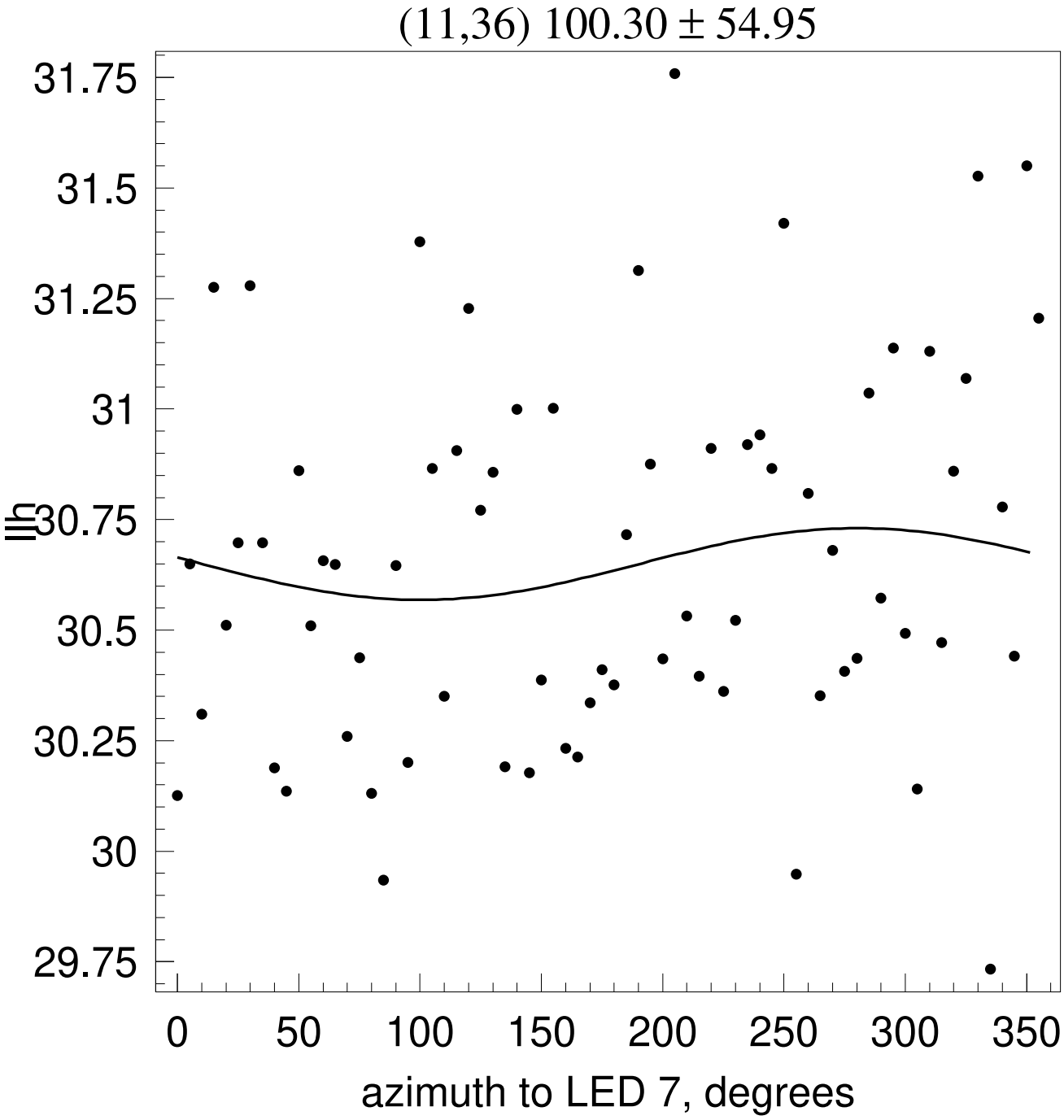

(10,36) 242.67 ± 11.49
20
19.8
19.6
19.4
19.2
19
18.8
18.6
18.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

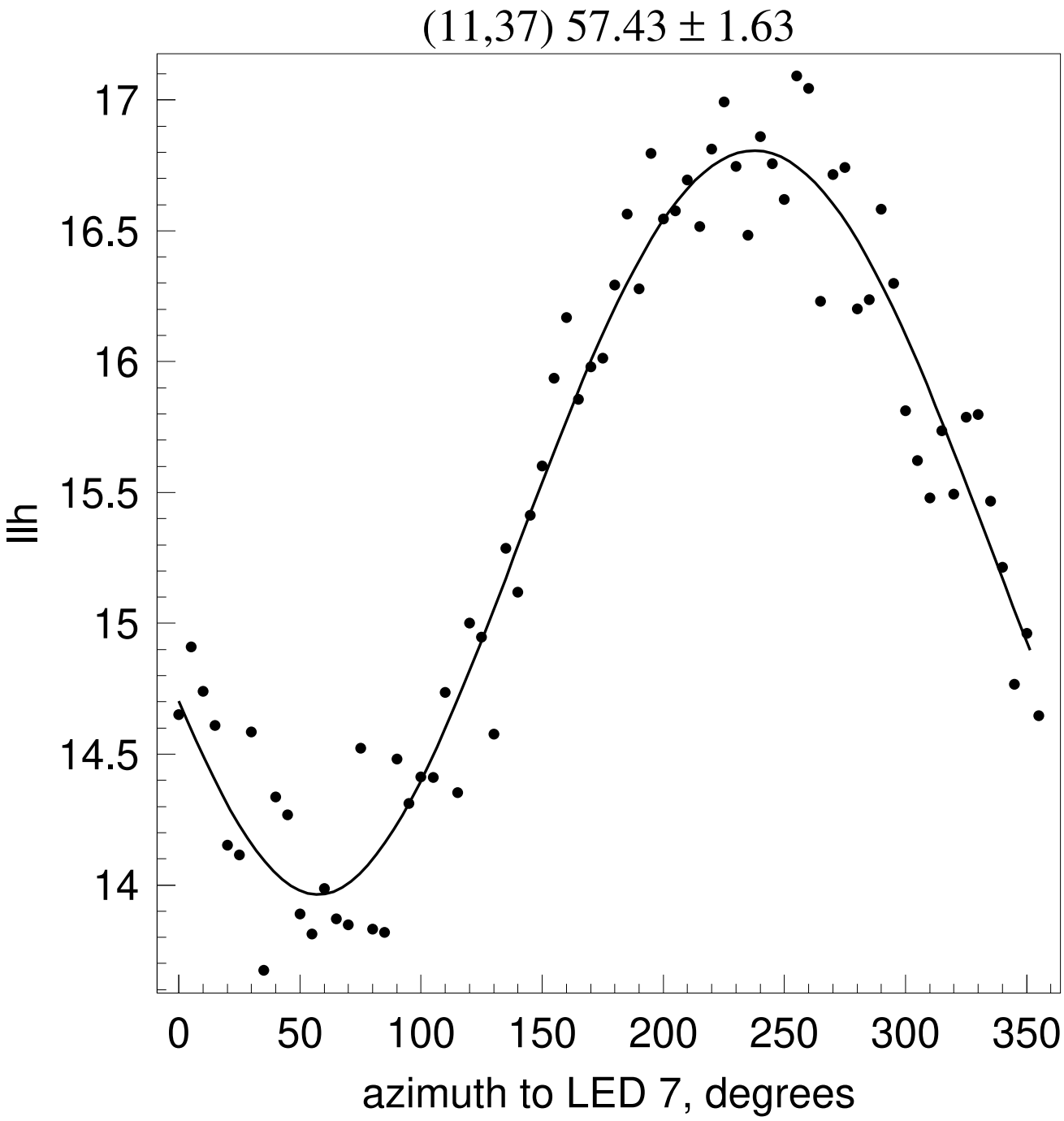

(10,37) 324.74 ± 0.58
16
15
14
13
12
11
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

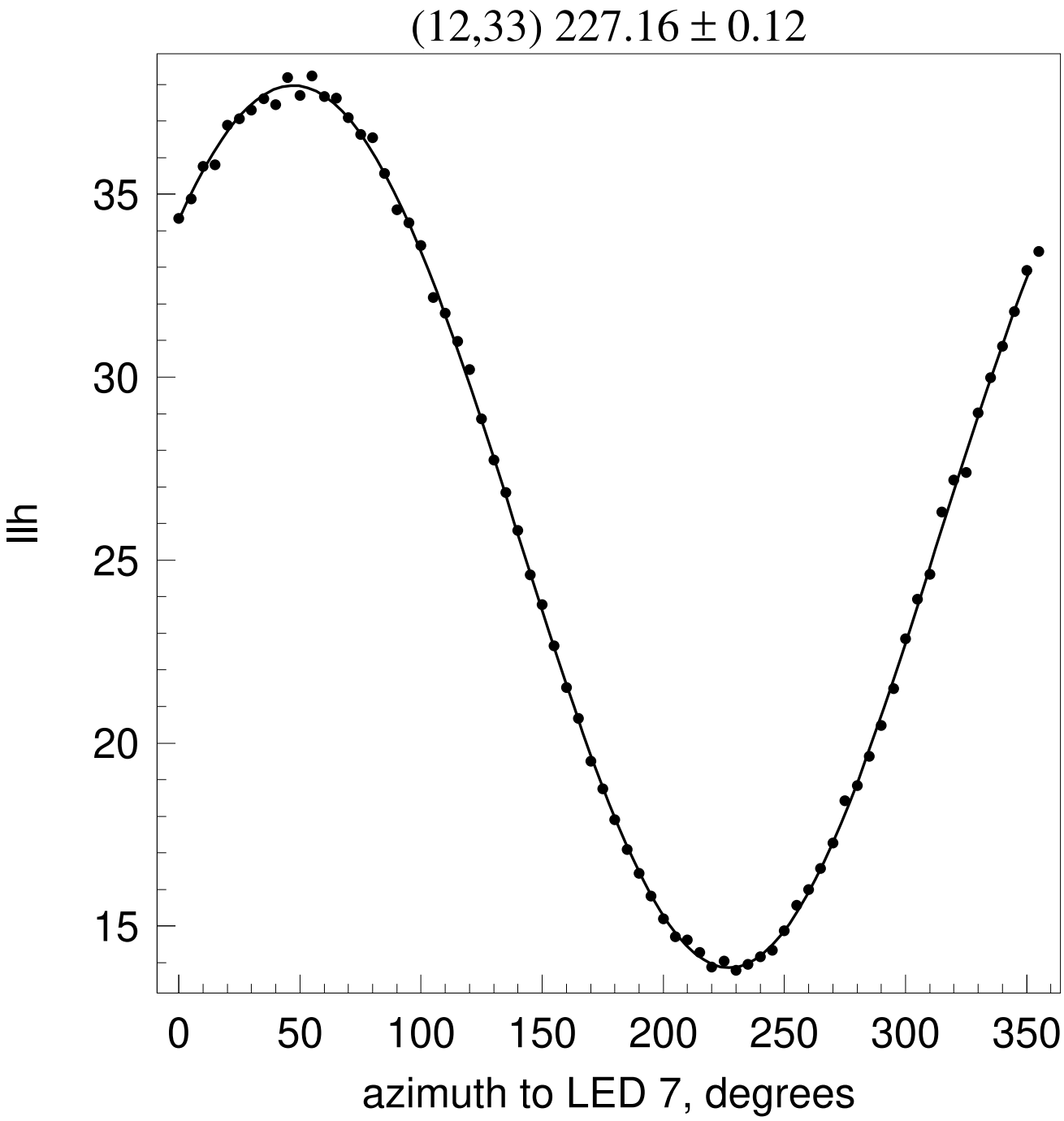

(11,33) 249.17 ± 0.14
40
35
30
25
20
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

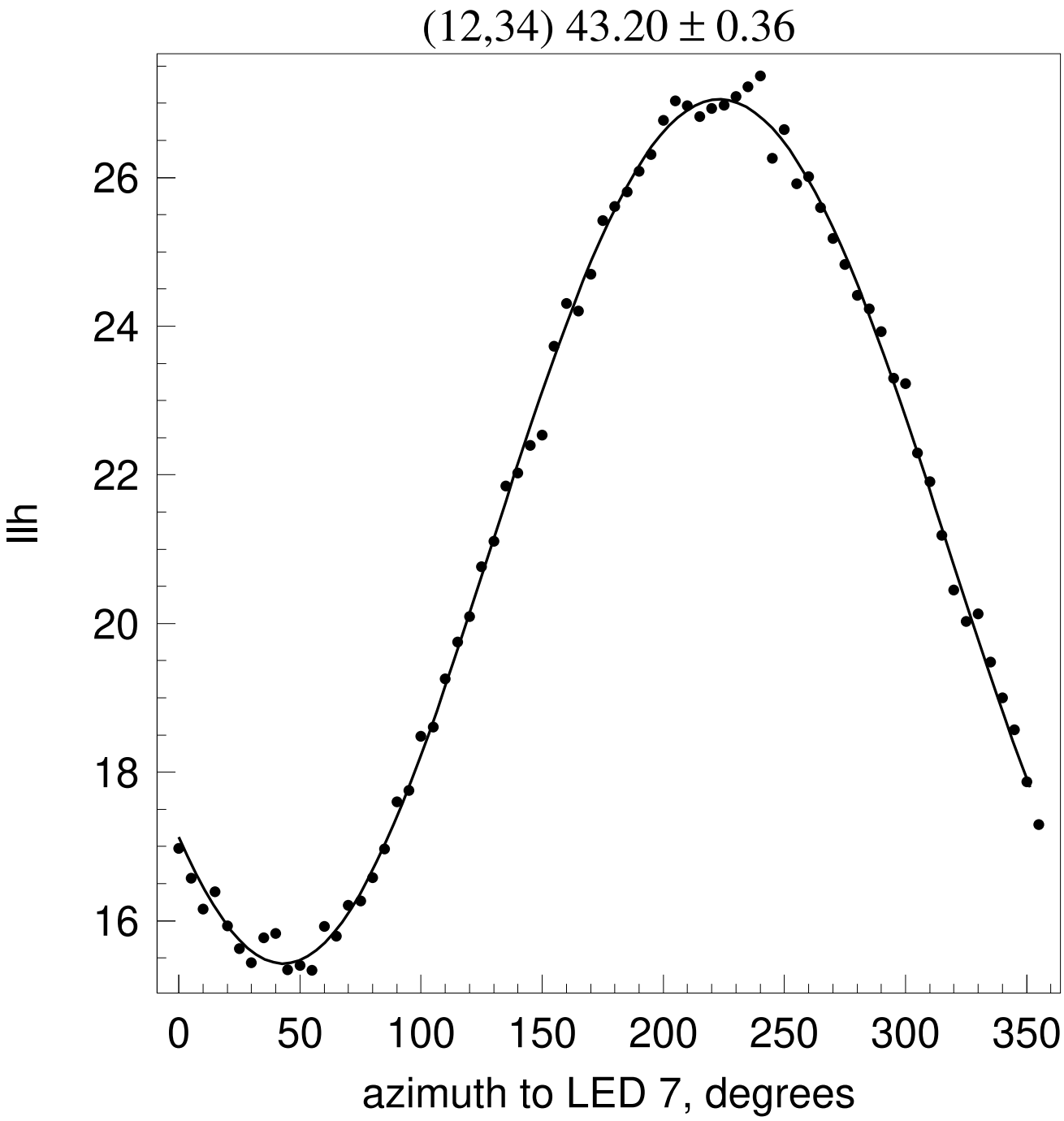

(11,34) 176.53 ± 0.63
28
26
24
22
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

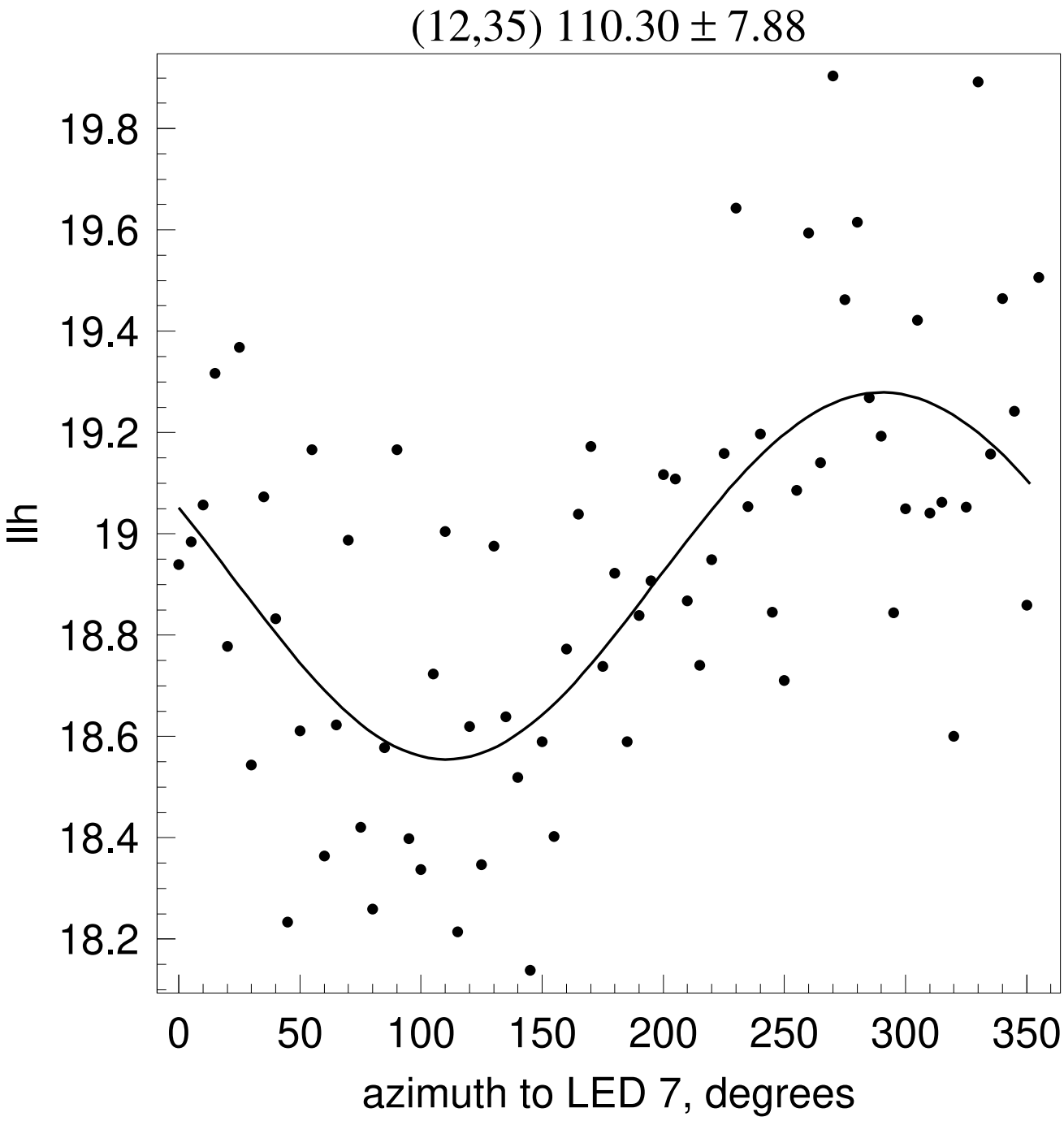

(11,35) 184.41 ± 0.01
18.25
18
17.75
17.5
17.25
17
16.75
16.5
16.25
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

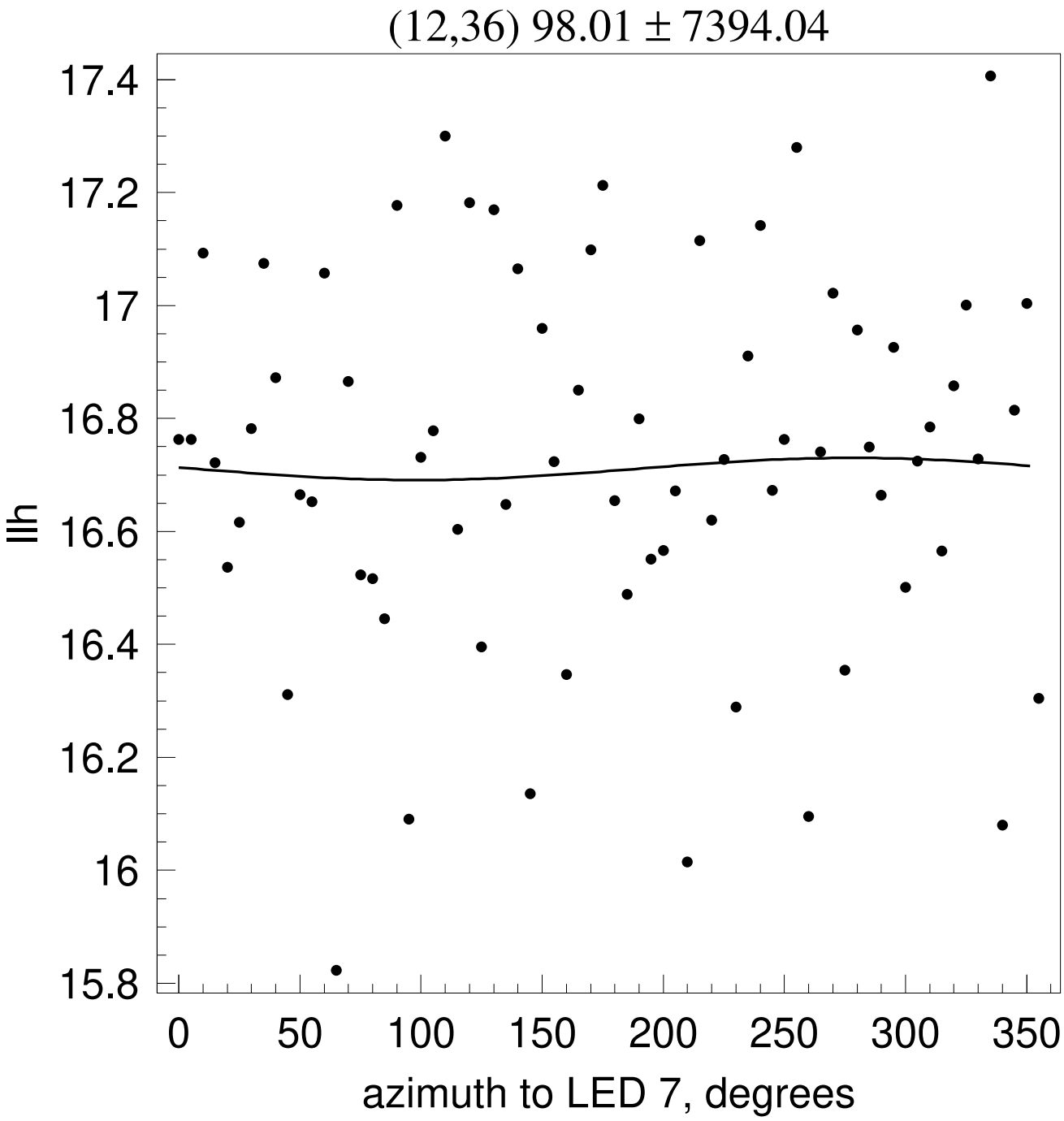

(11,36) 100.30 ± 54.95
31.75
31.5
31.25
31
30.75
30.5
30.25
30
29.75
ns
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

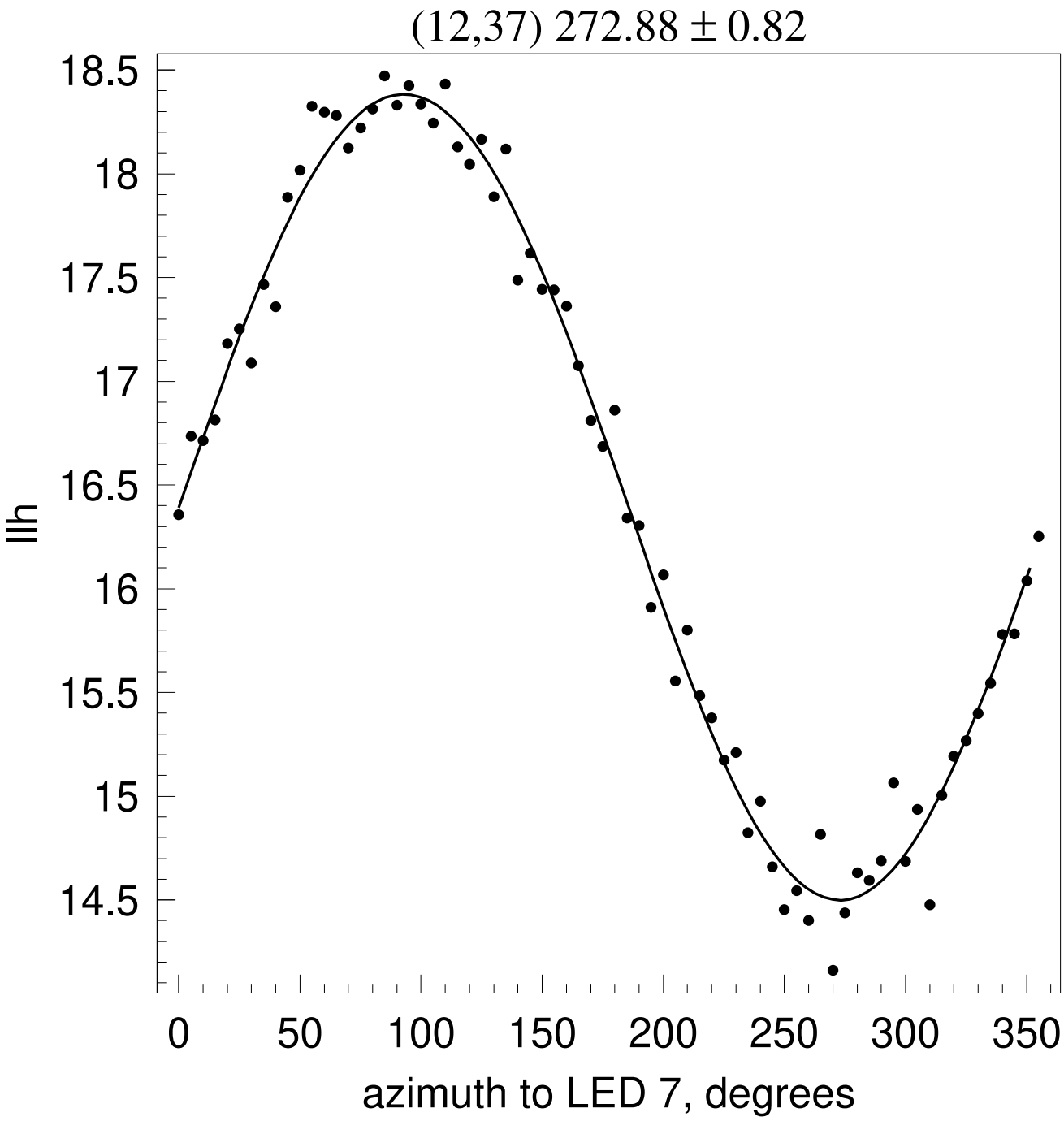

(11,37) 57.43 ± 1.63
17
16.5
16
15.5
15
14.5
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

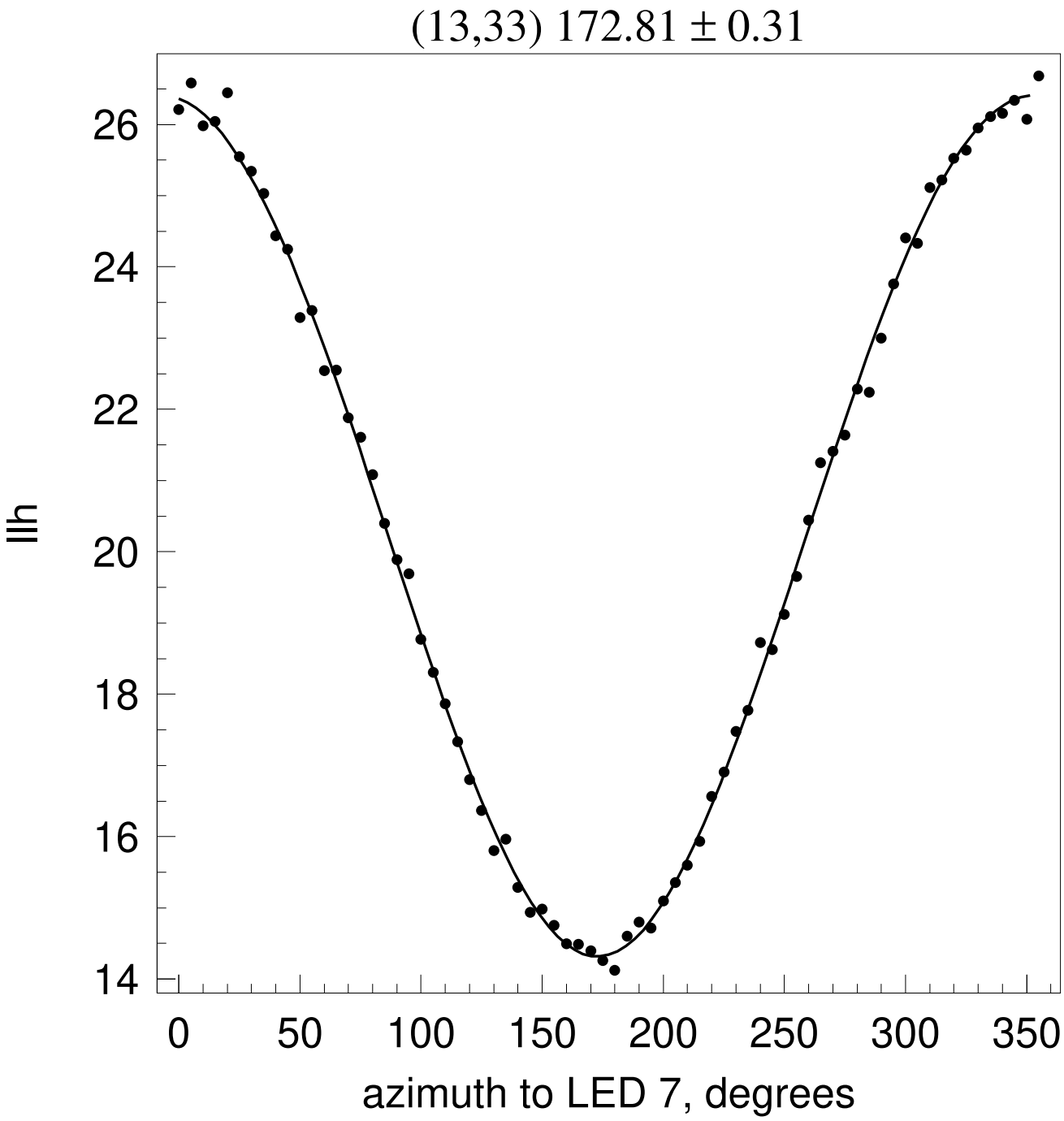

(12,33) 227.16 ± 0.12
35
30
25
20
15
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

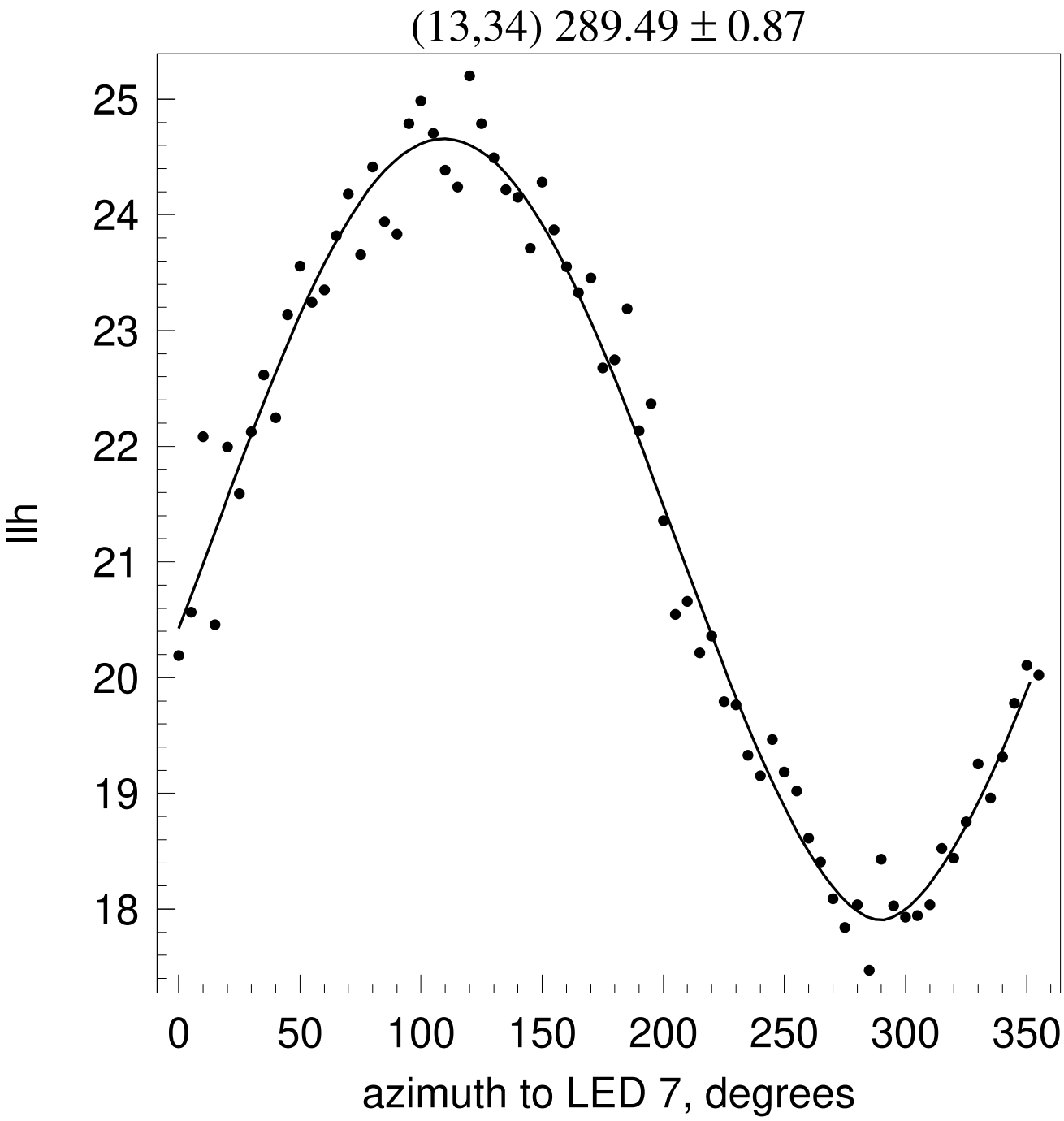

(12,34) 43.20 ± 0.36
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

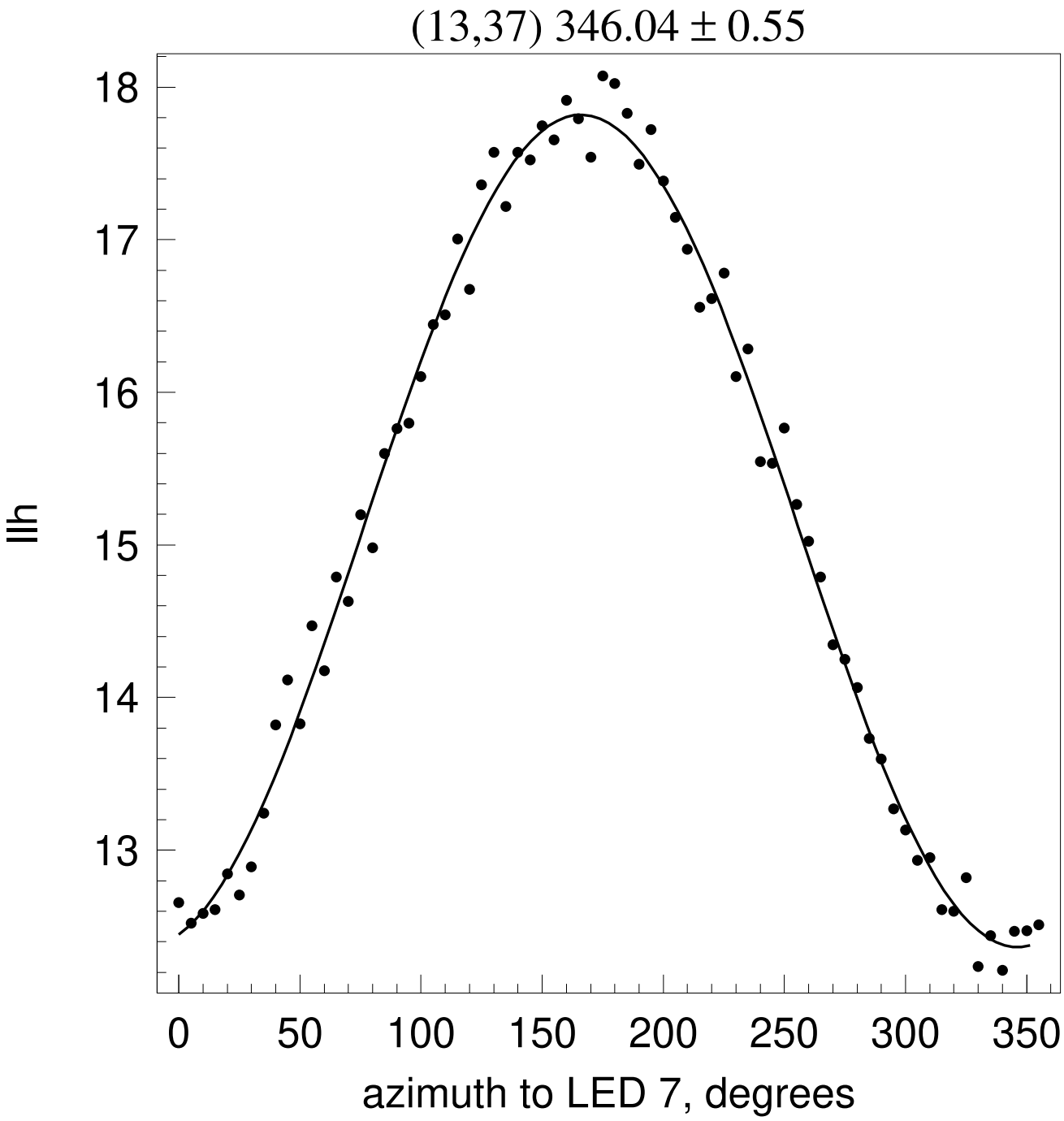

(12,35) 110.30 ± 7.88
19.8
19.6
19.4
19.2
19
18.8
18.6
18.4
18.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

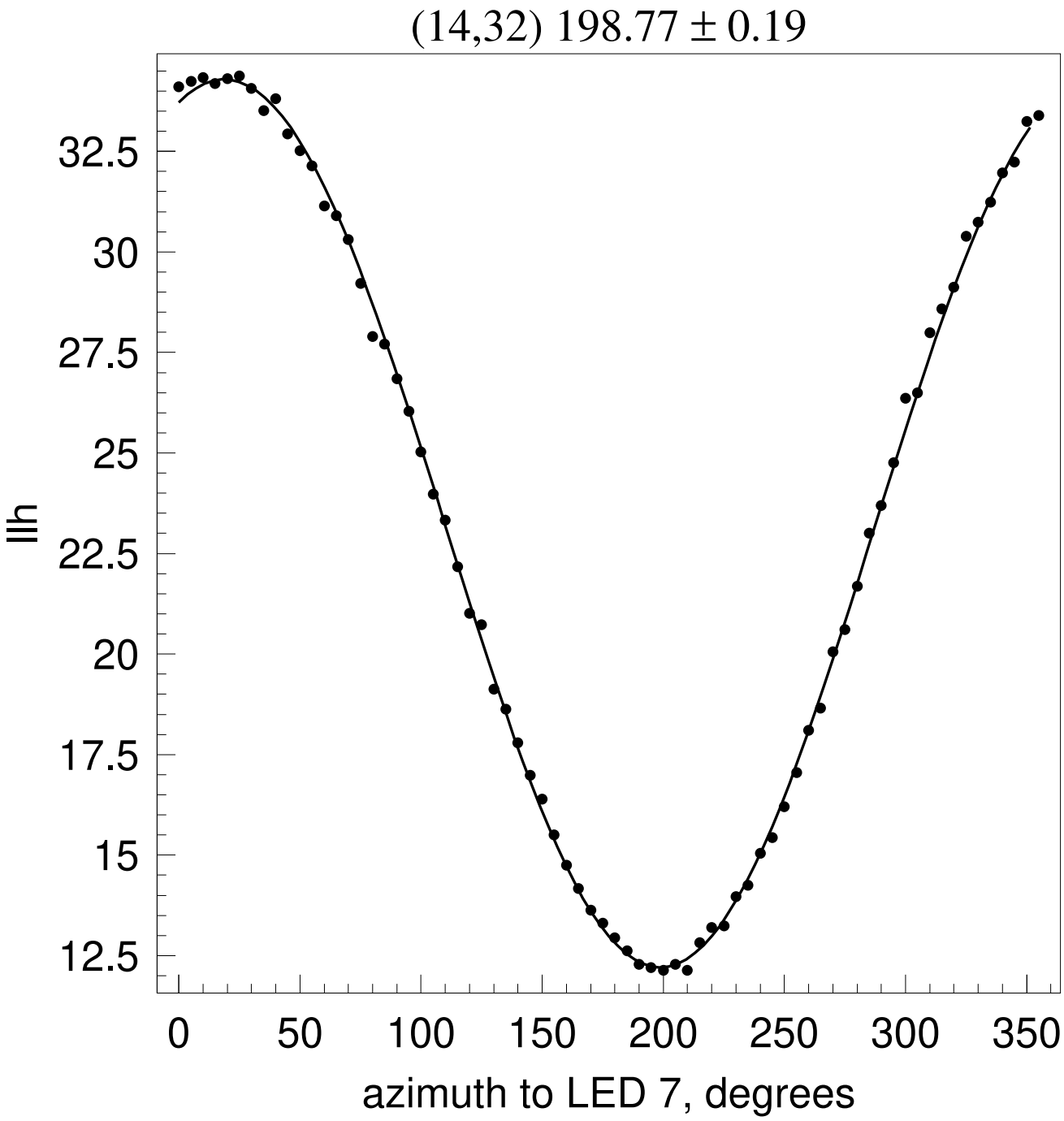

(12,36) 98.01 ± 7394.04
17.4
17.2
17
16.8
16.6
16.4
16.2
16
15.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

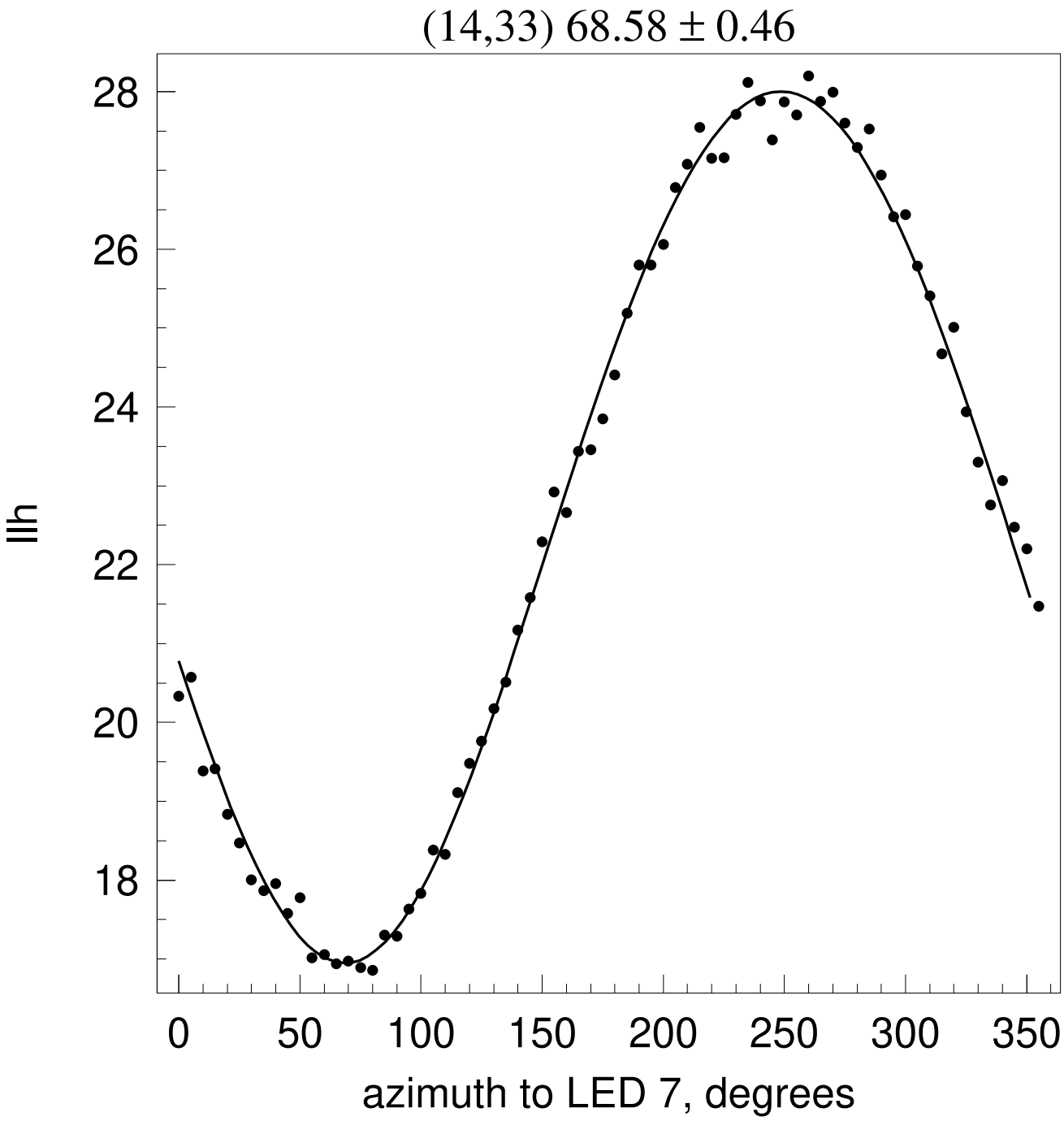

(12,37) 272.88 ± 0.82
18.5
18
17.5
17
16.5
16
15.5
15
14.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

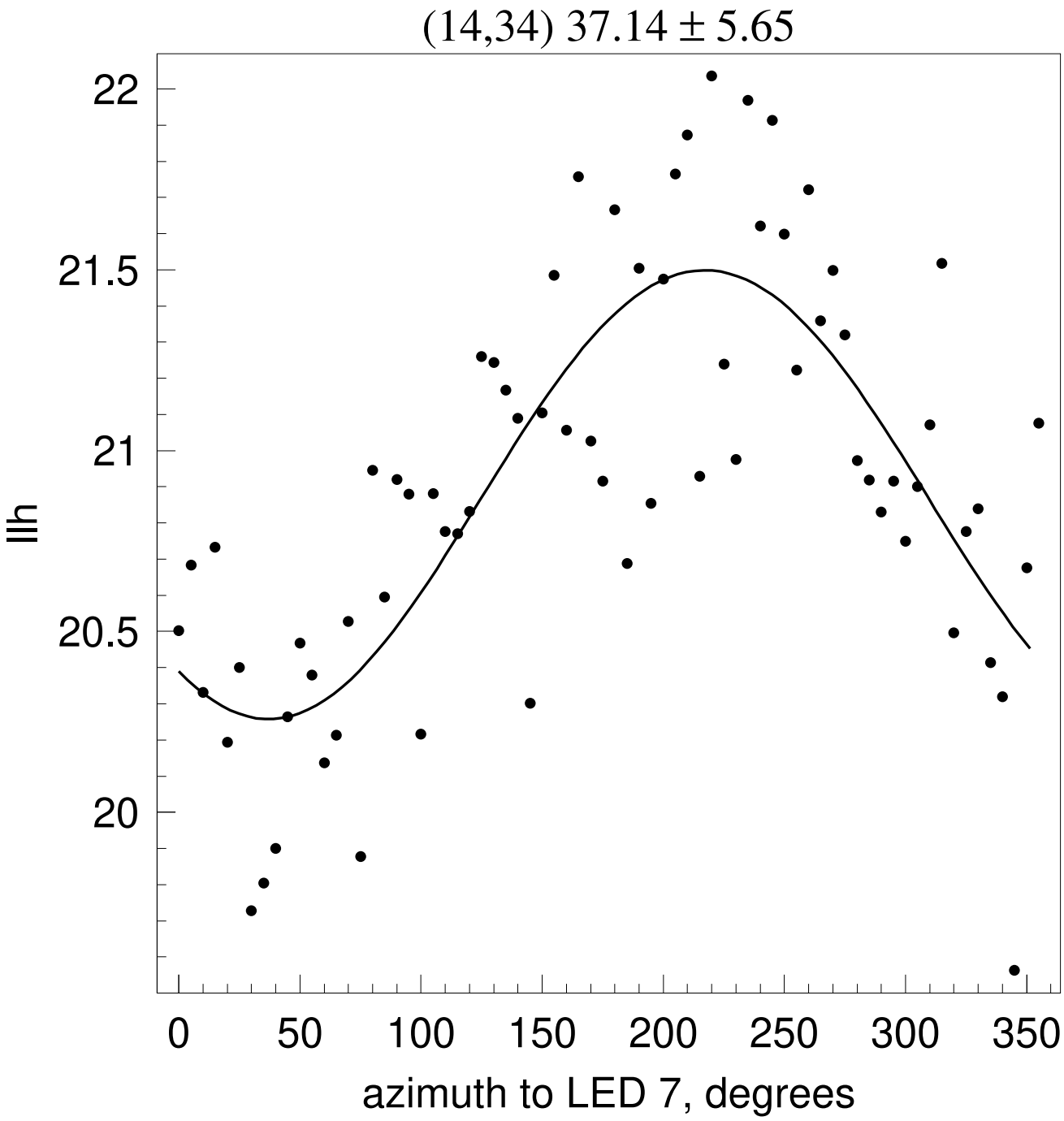

(13,33) 172.81 ± 0.31
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

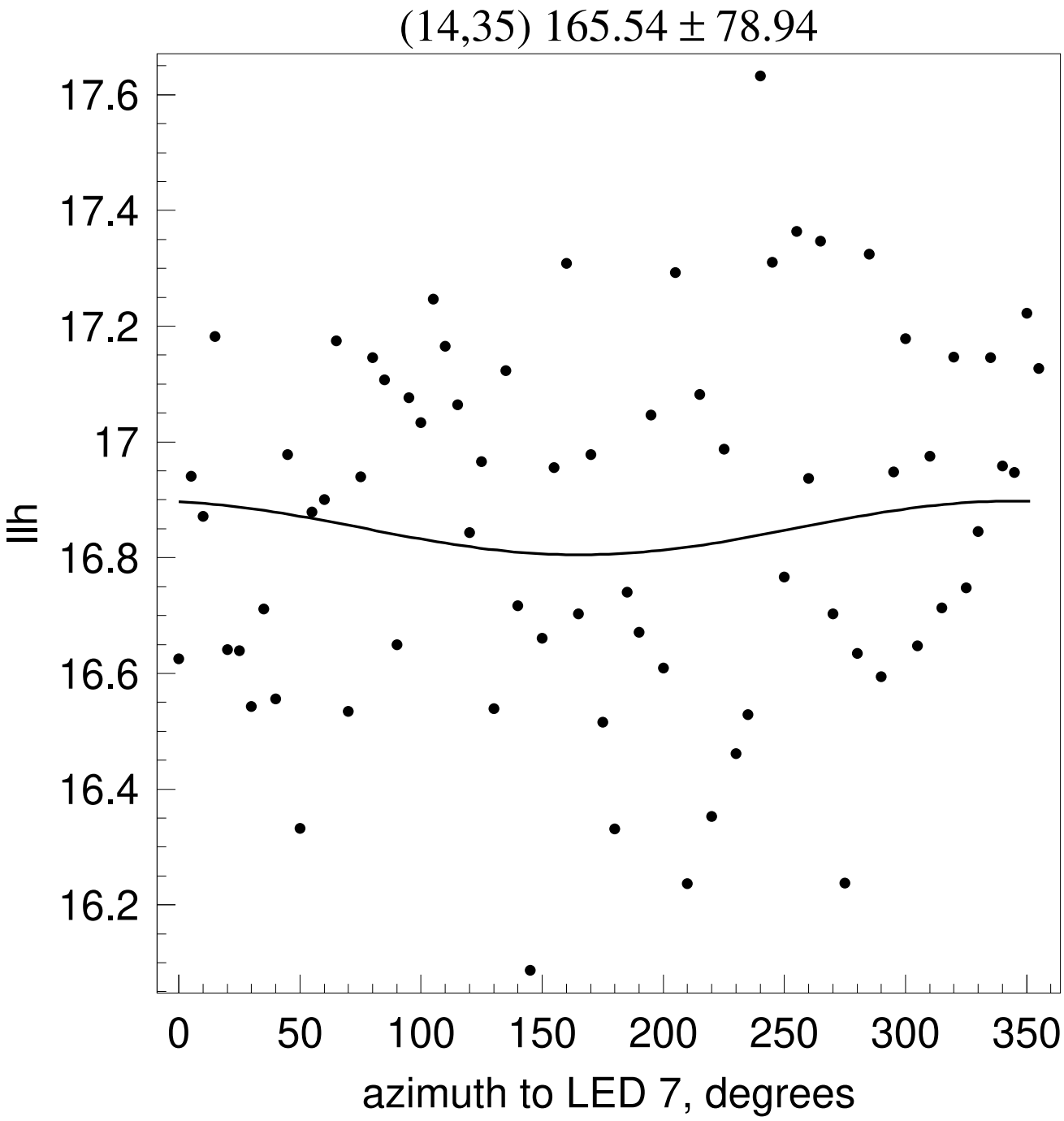

(13,34) 289.49 ± 0.87
25
24
23
22
21
20
19
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

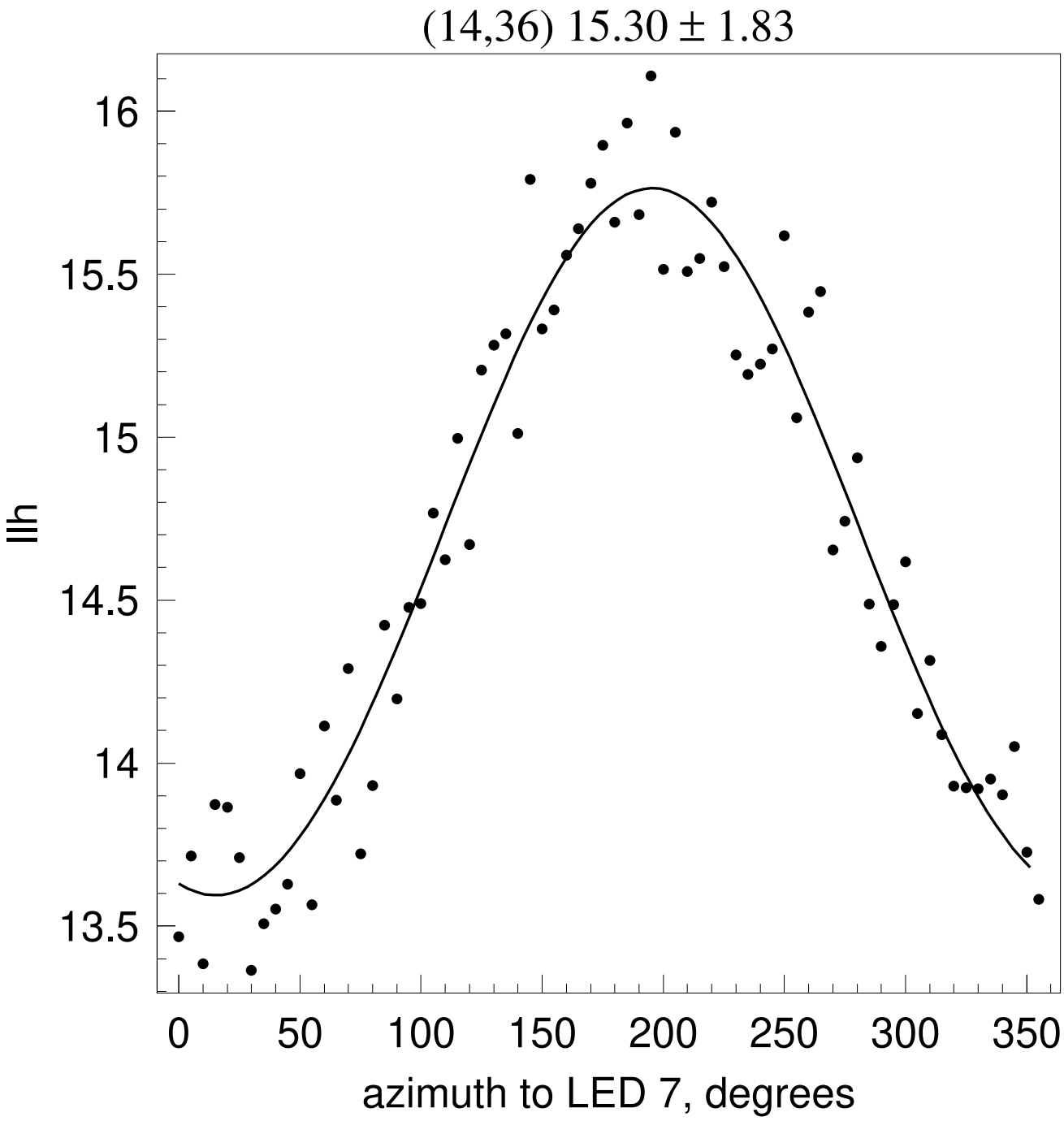

(13,37) 346.04 ± 0.55
18
17
16
15
14
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

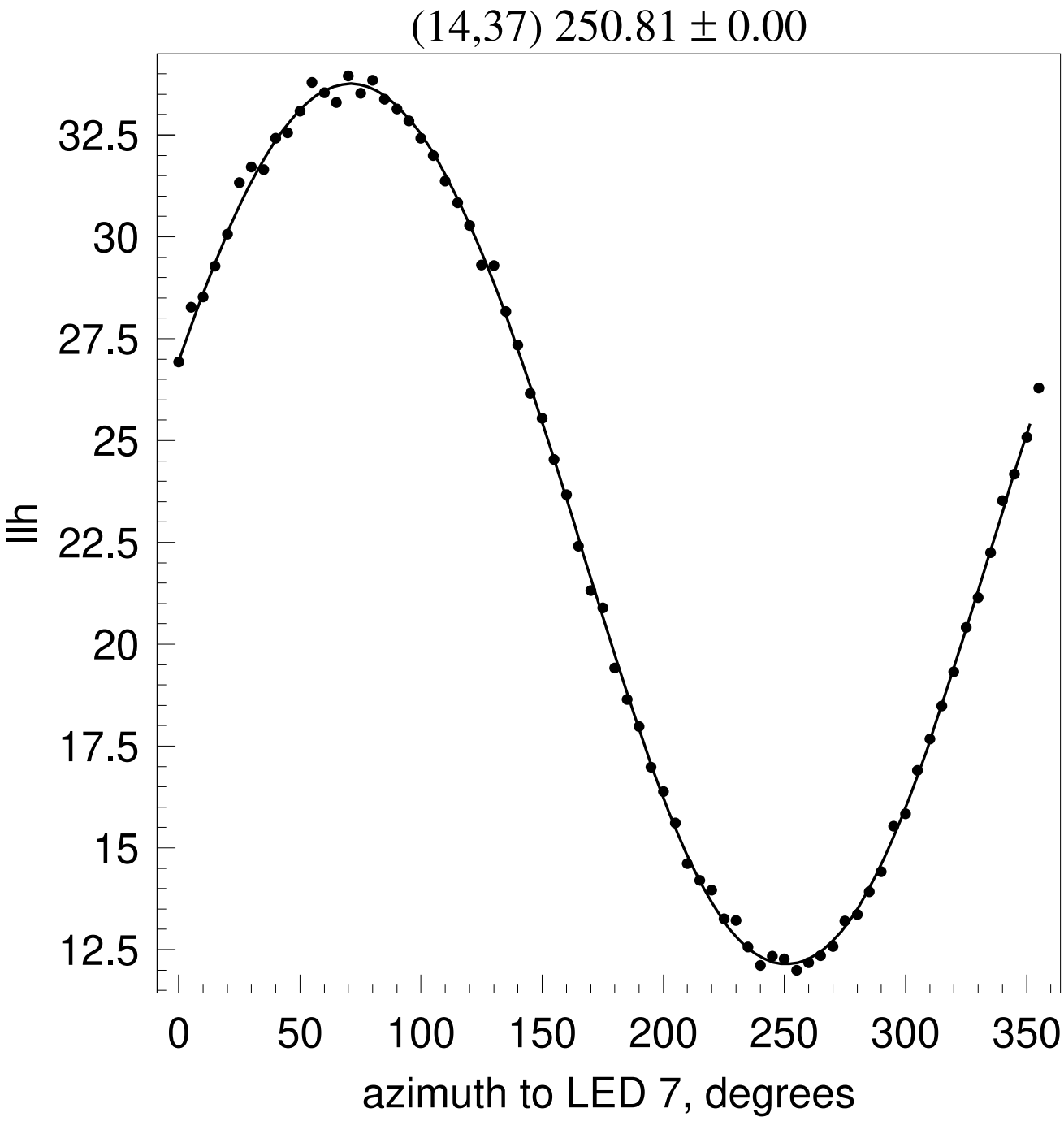

(14,32) 198.77 ± 0.19
32.5
30
27.5
25
22.5
20
17.5
15
12.5
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

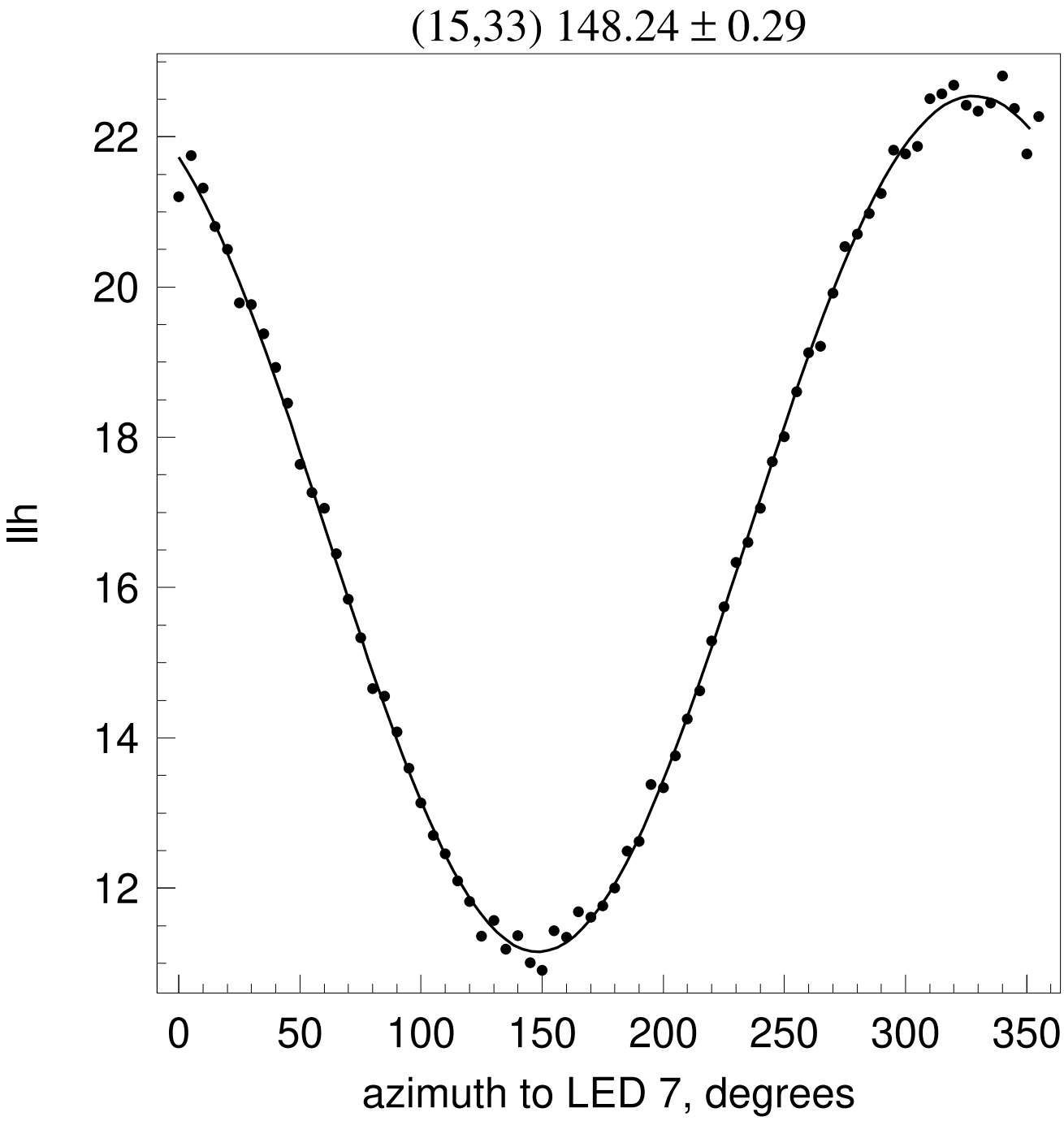

(14,33) 68.58 ± 0.46
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

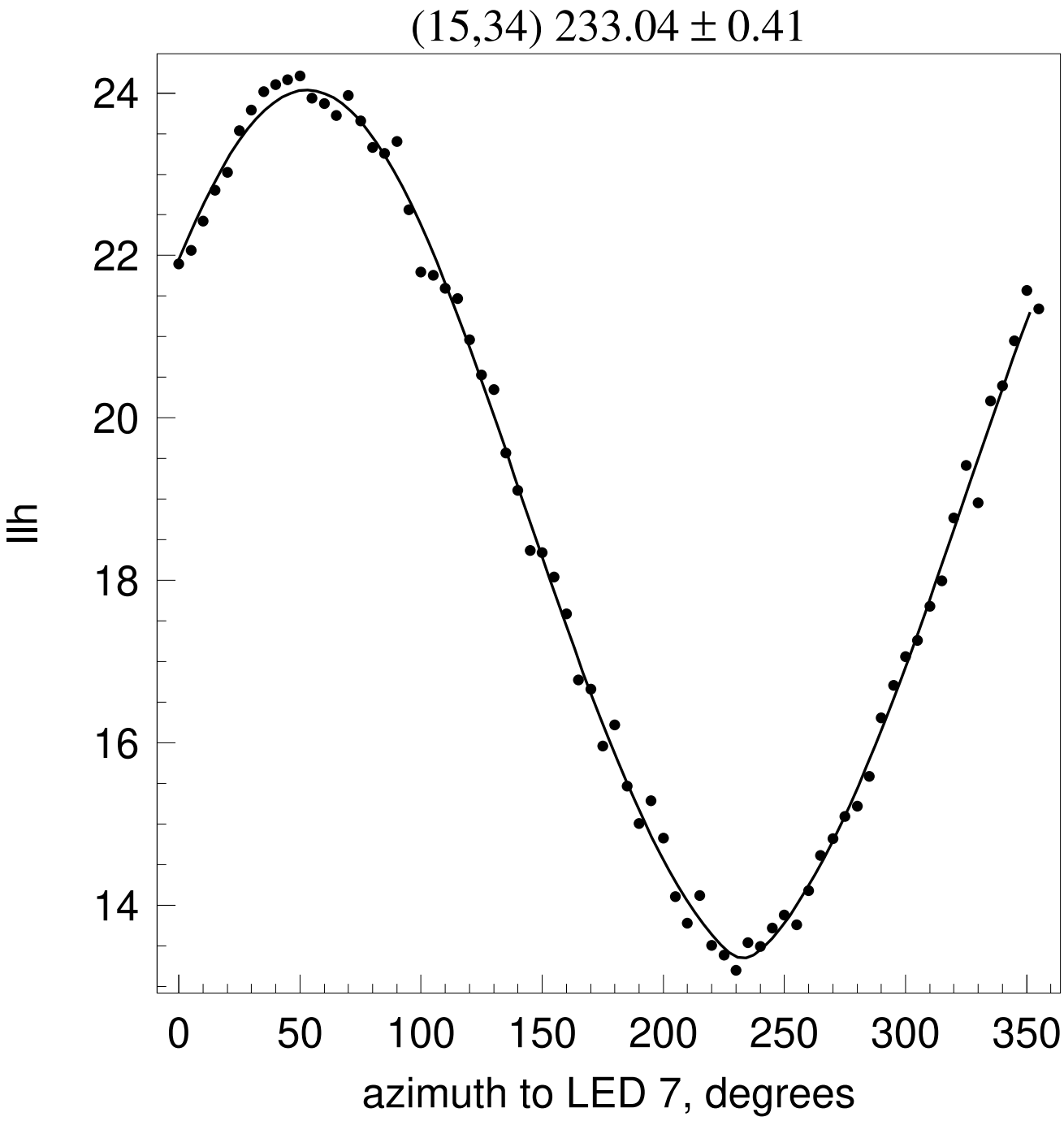

(14,34) 37.14 ± 5.65
22
21.5
21
20.5
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

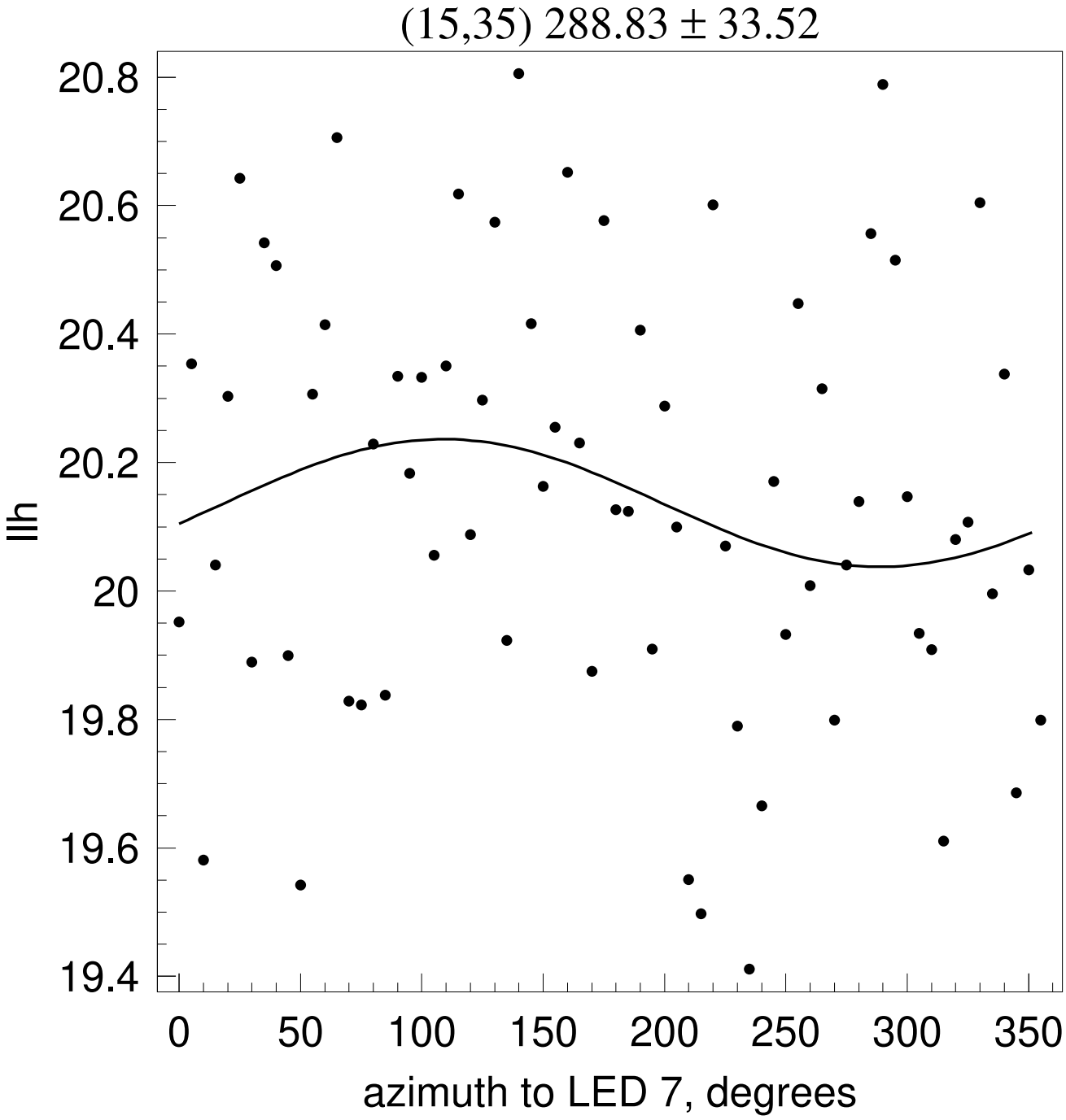

(14,35) 165.54 ± 78.94
17.6
17.4
17.2
17
16.8
16.6
16.4
16.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

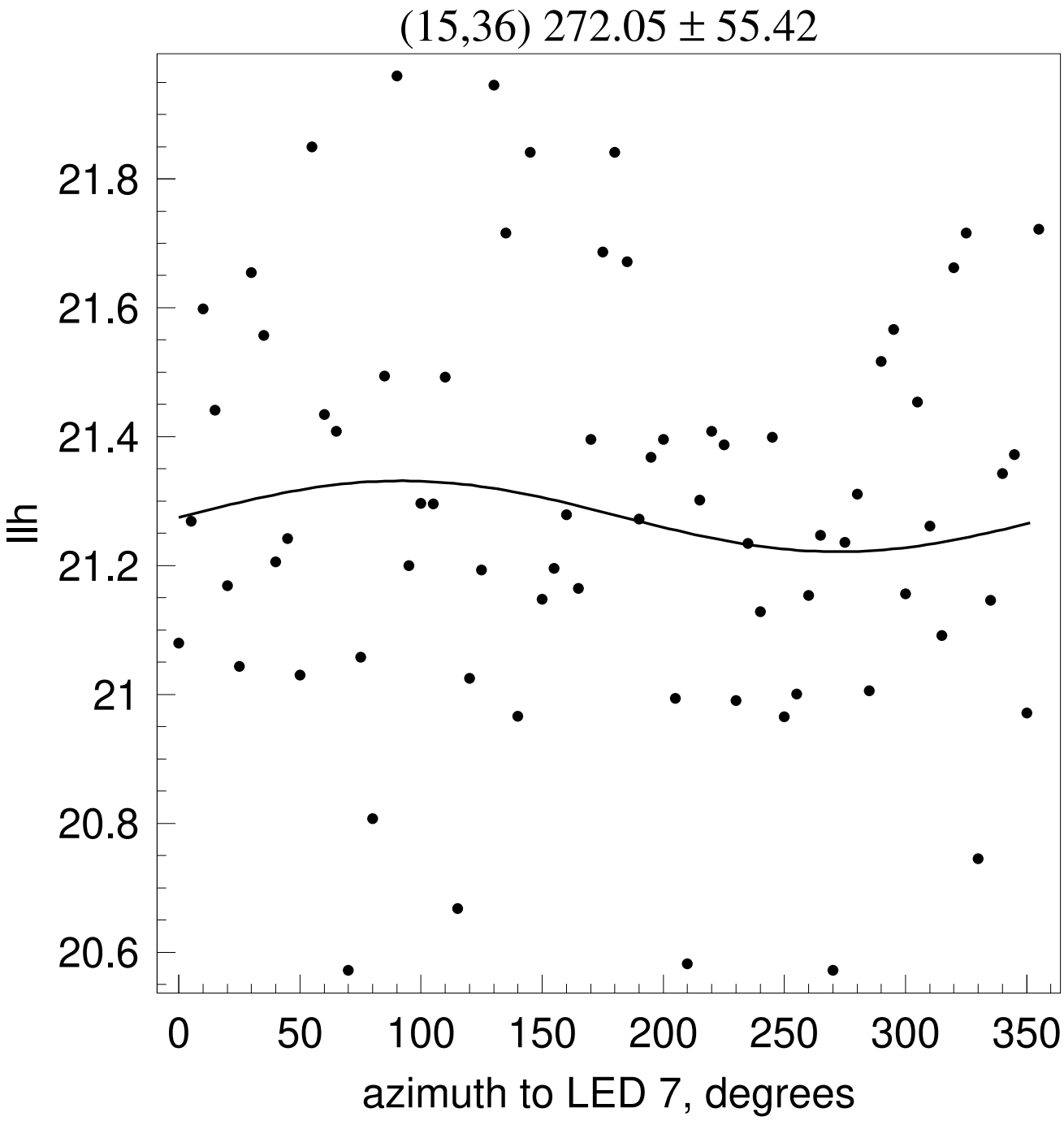

(14,36) 15.30 ± 1.83
16
15.5
15
14.5
14
13.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

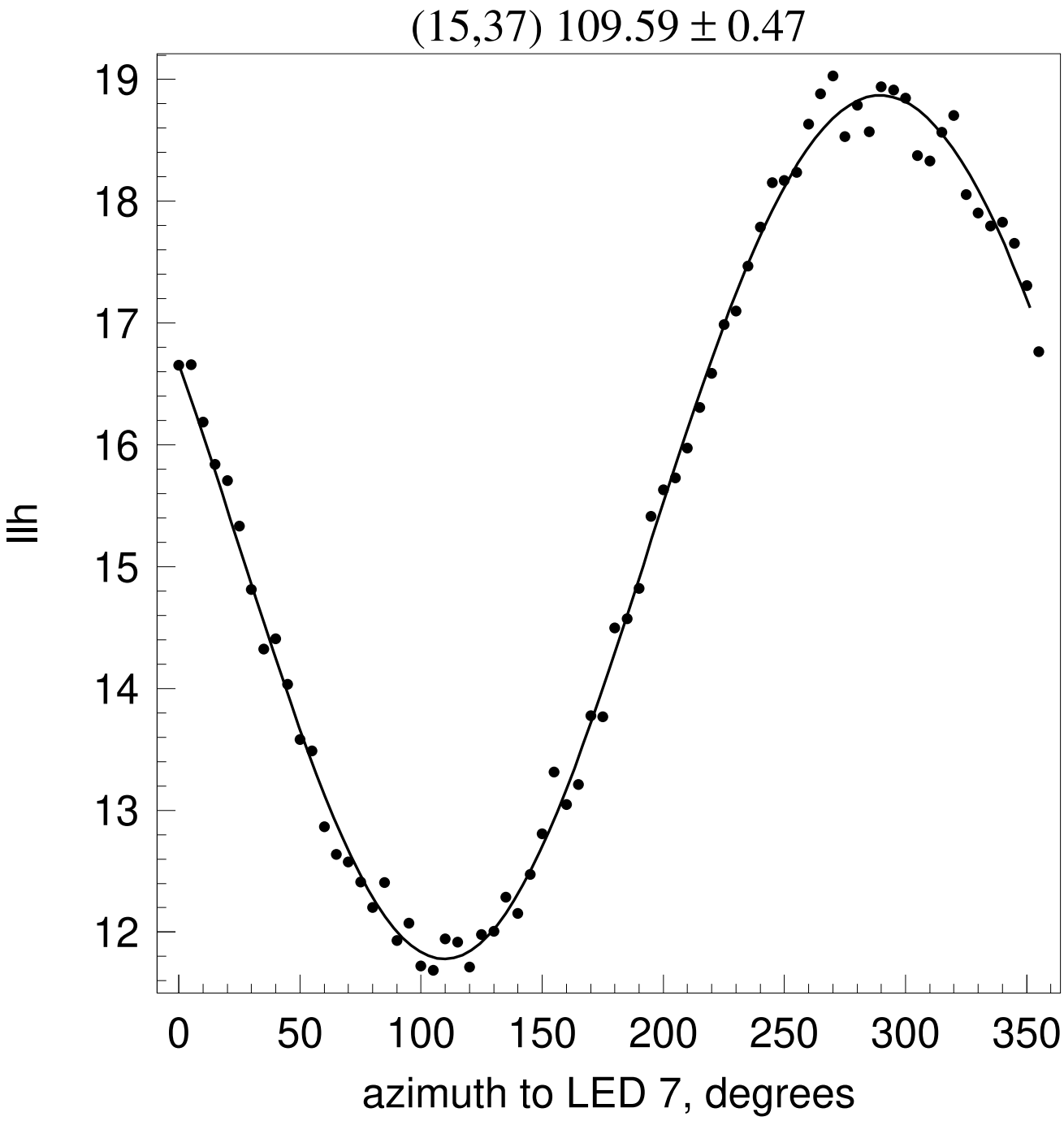

(14,37) 250.81 ± 0.00
32.5
30
27.5
25
22.5
20
17.5
15
12.5
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

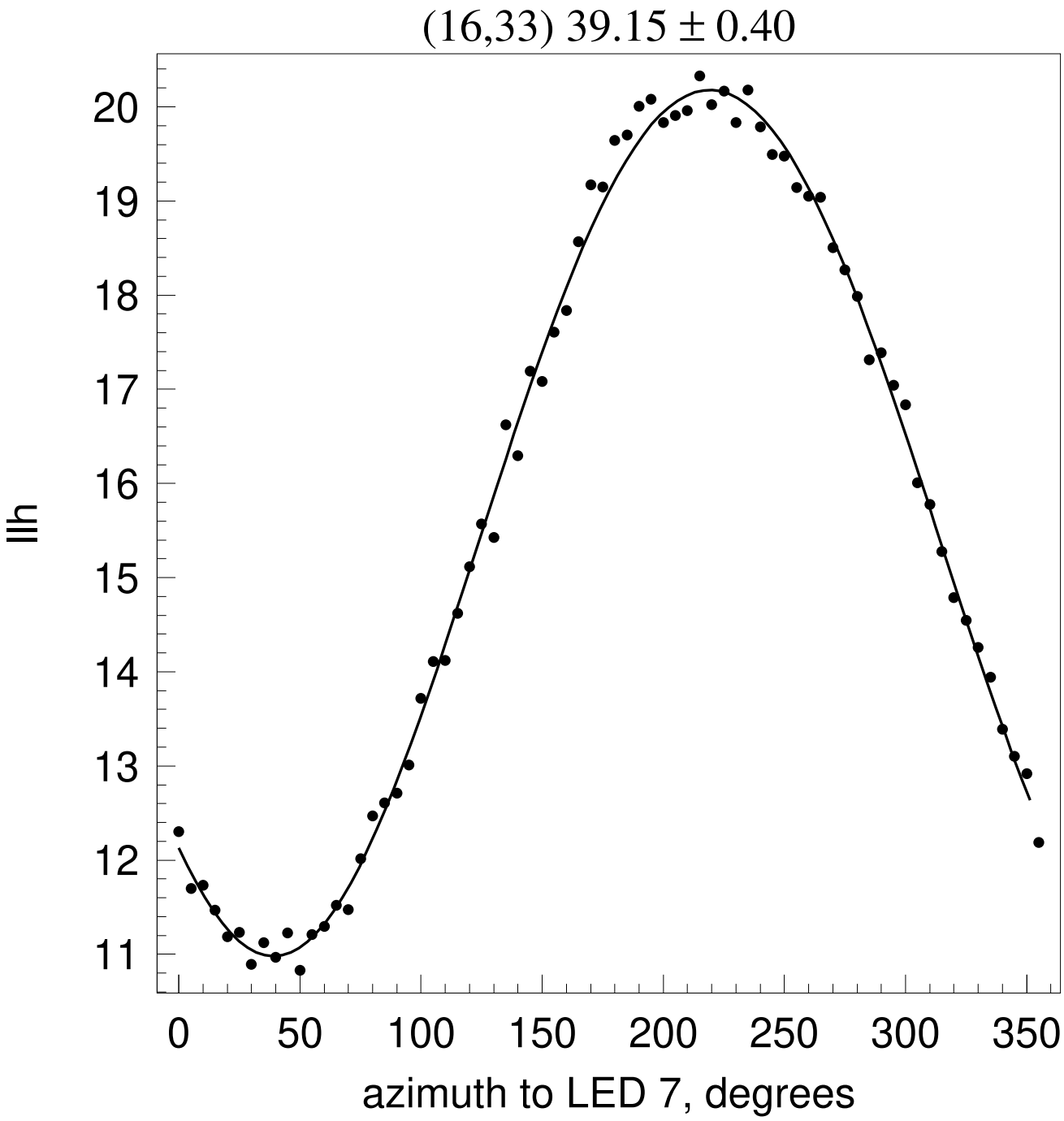

(15,33) 148.24 ± 0.29
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

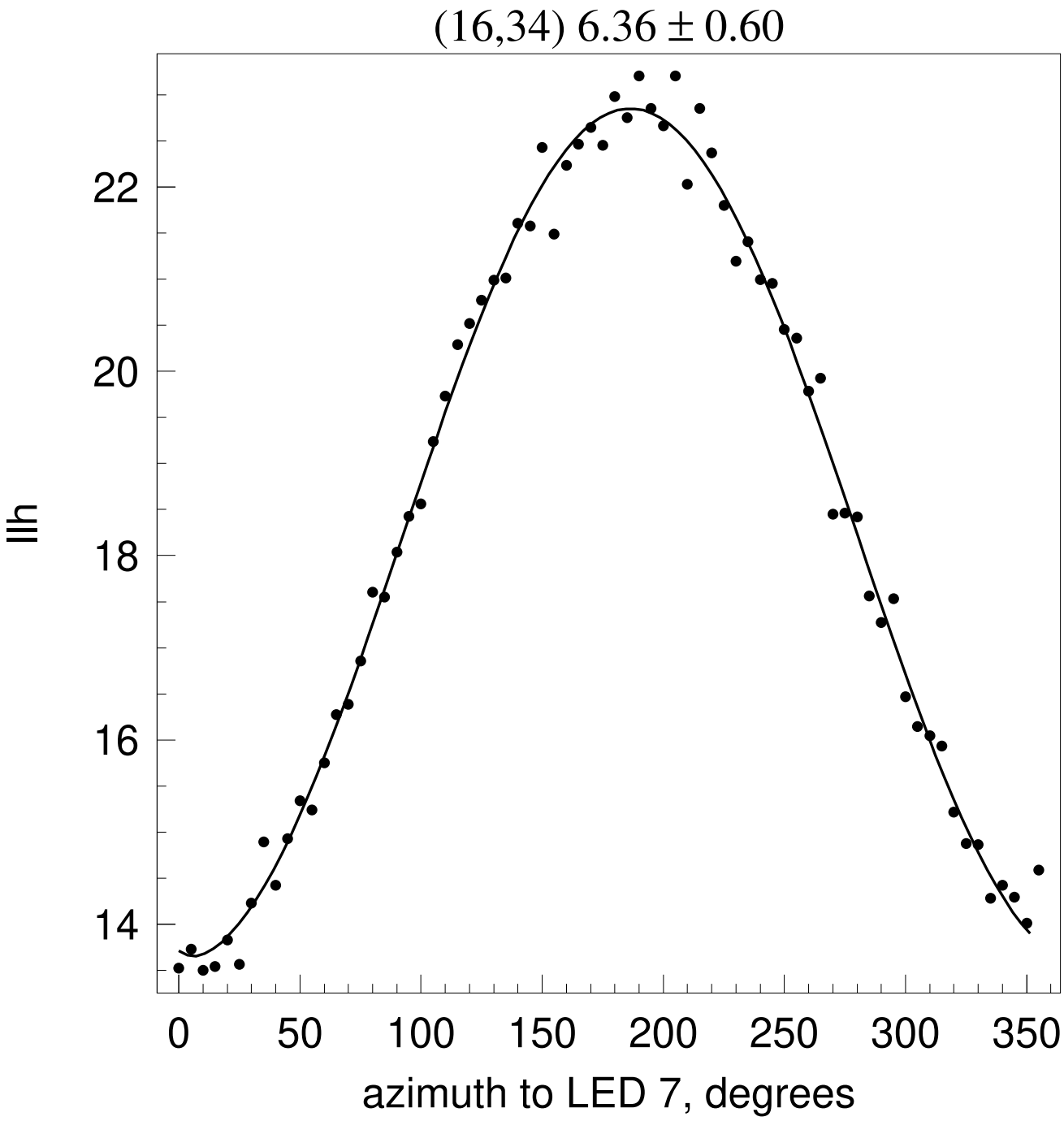

(15,34) 233.04 ± 0.41
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

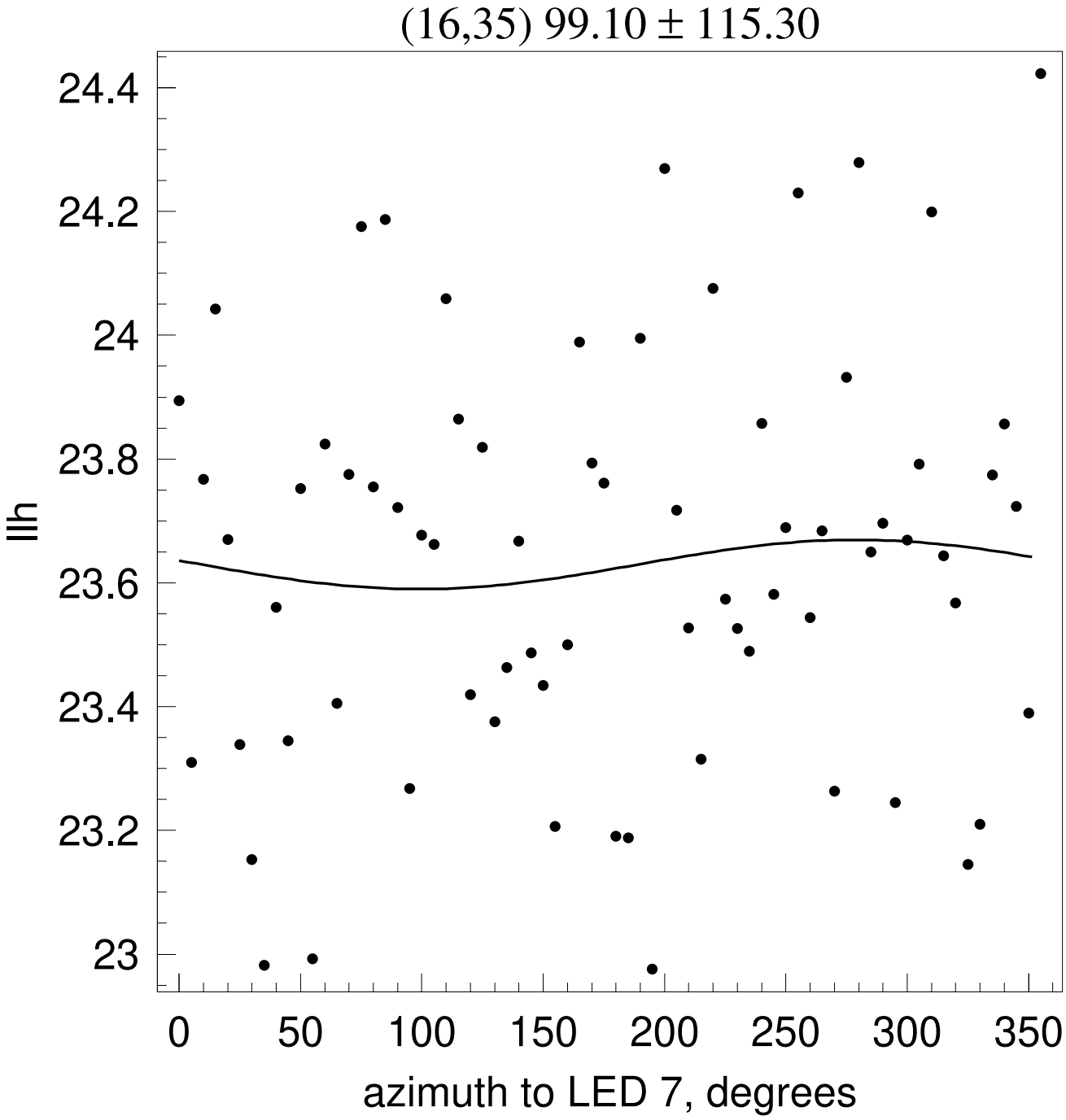

(15,35) 288.83 ± 33.52
20.8
20.6
20.4
20.2
20
19.8
19.6
19.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

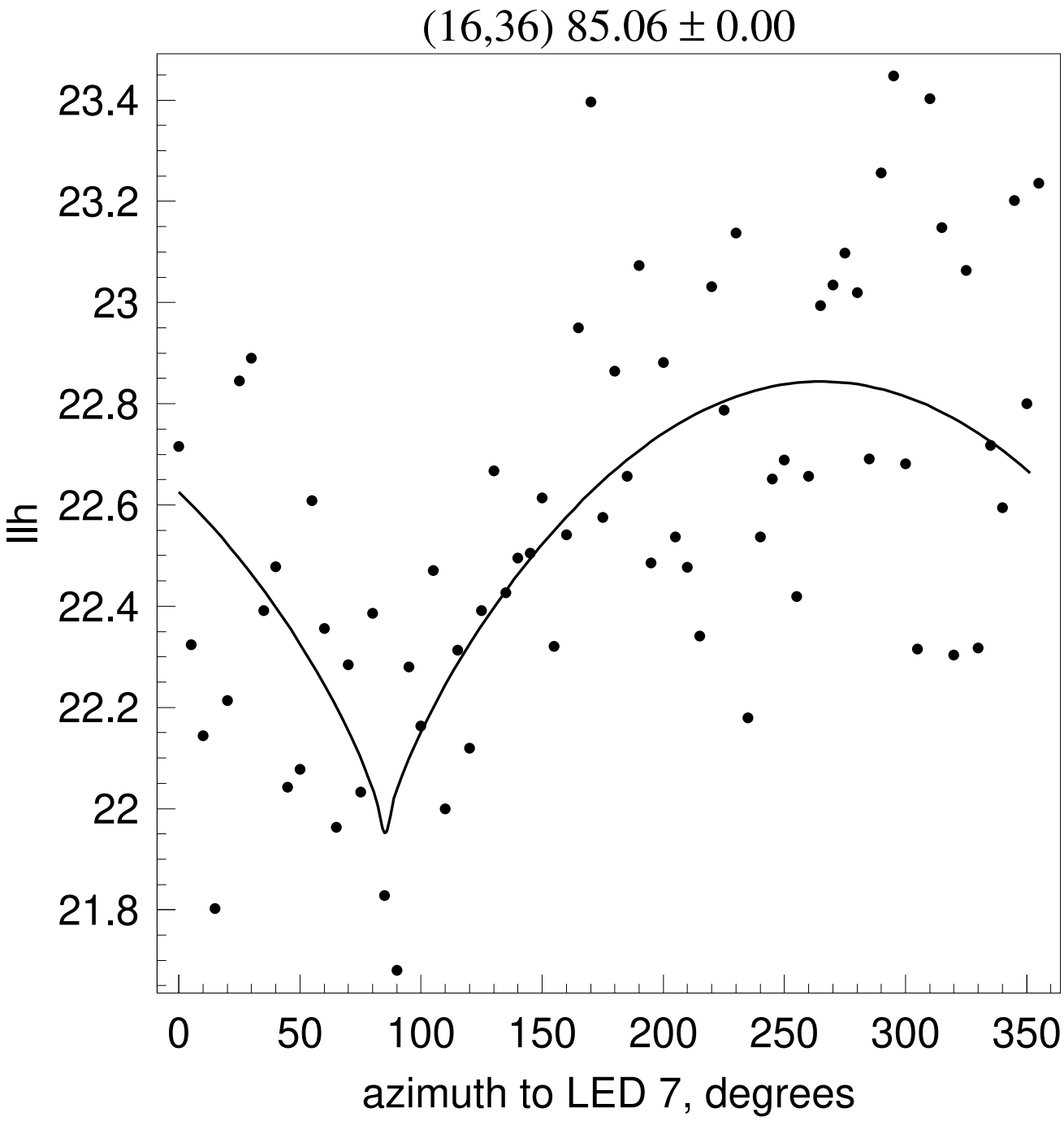

(15,36) 272.05 ± 55.42
21.8
21.6
21.4
21.2
21
20.8
20.6
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

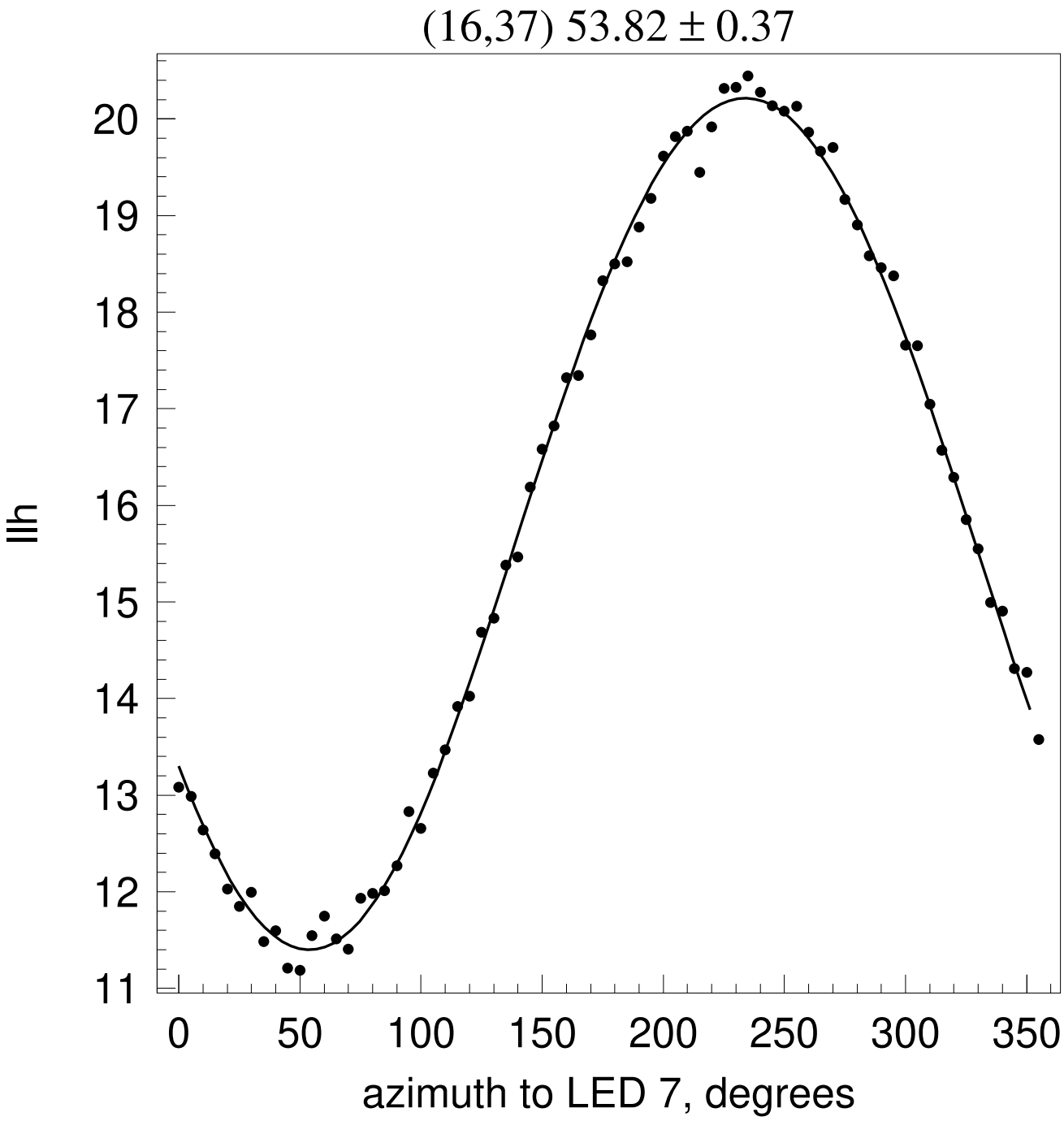

(15,37) 109.59 ± 0.47
19
18
17
16
15
14
13
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

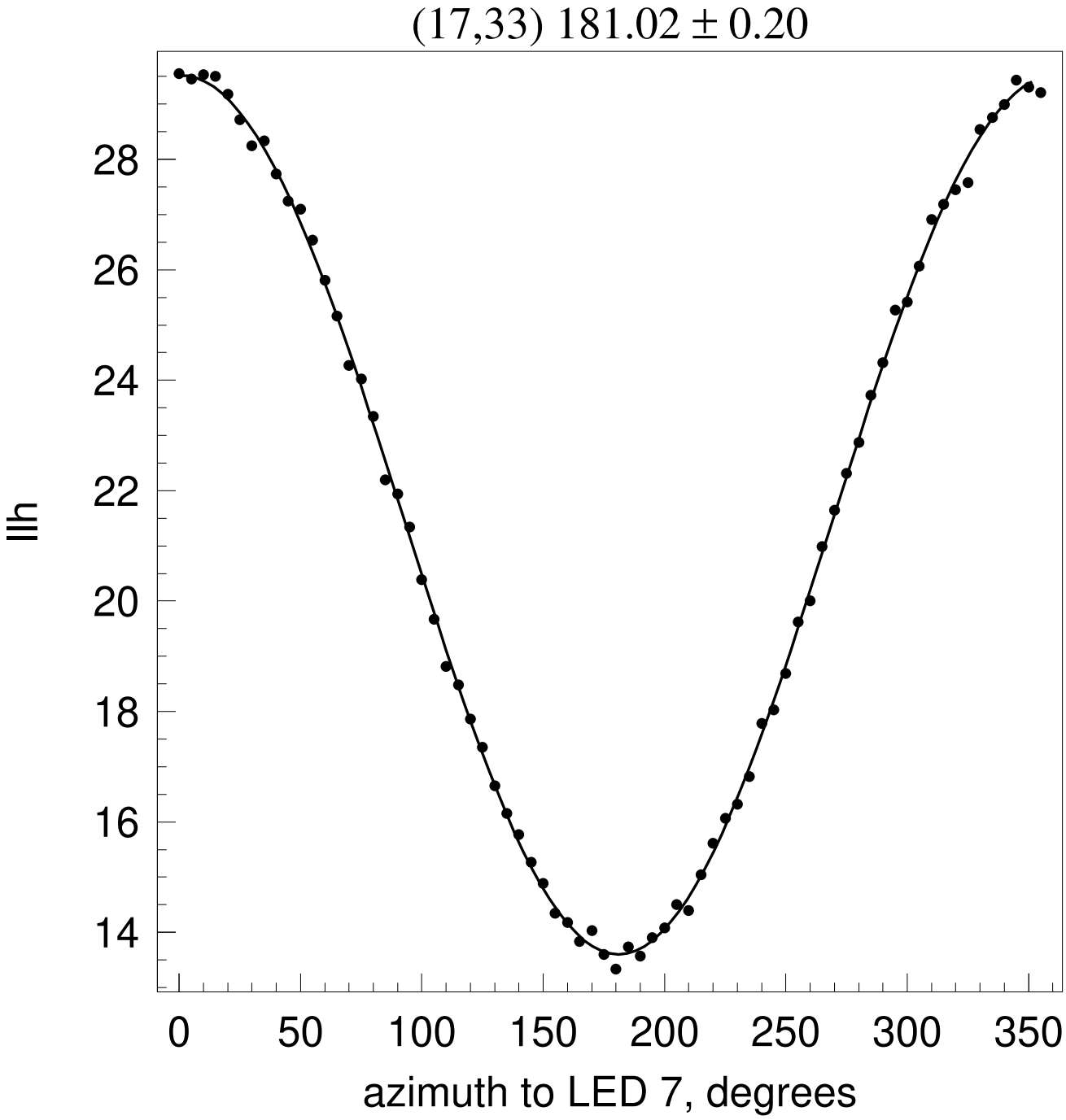

(16,33) 39.15 ± 0.40
llh
20
19
18
17
16
15
14
13
12
11
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

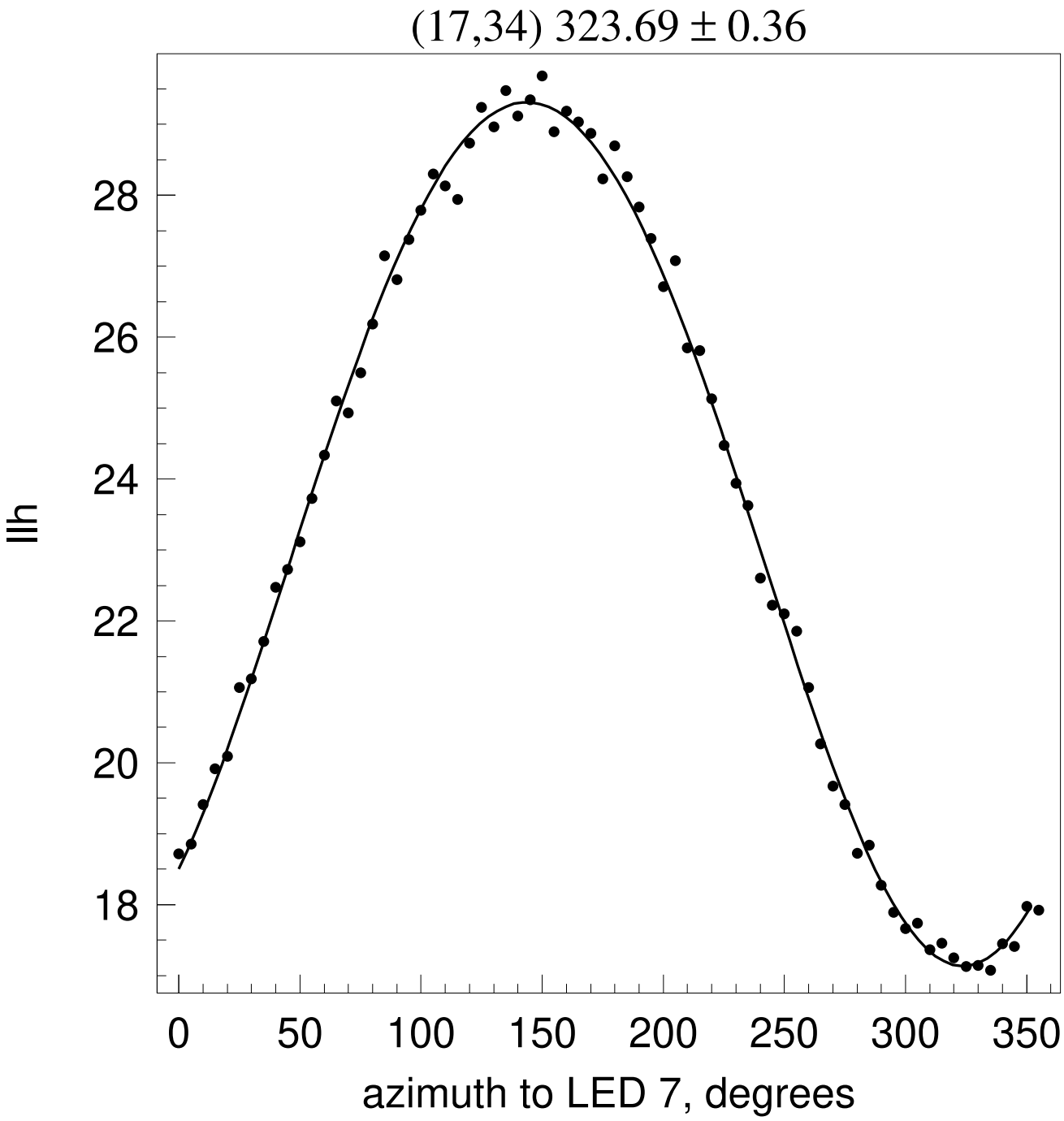

(16,34) 6.36 ± 0.60
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

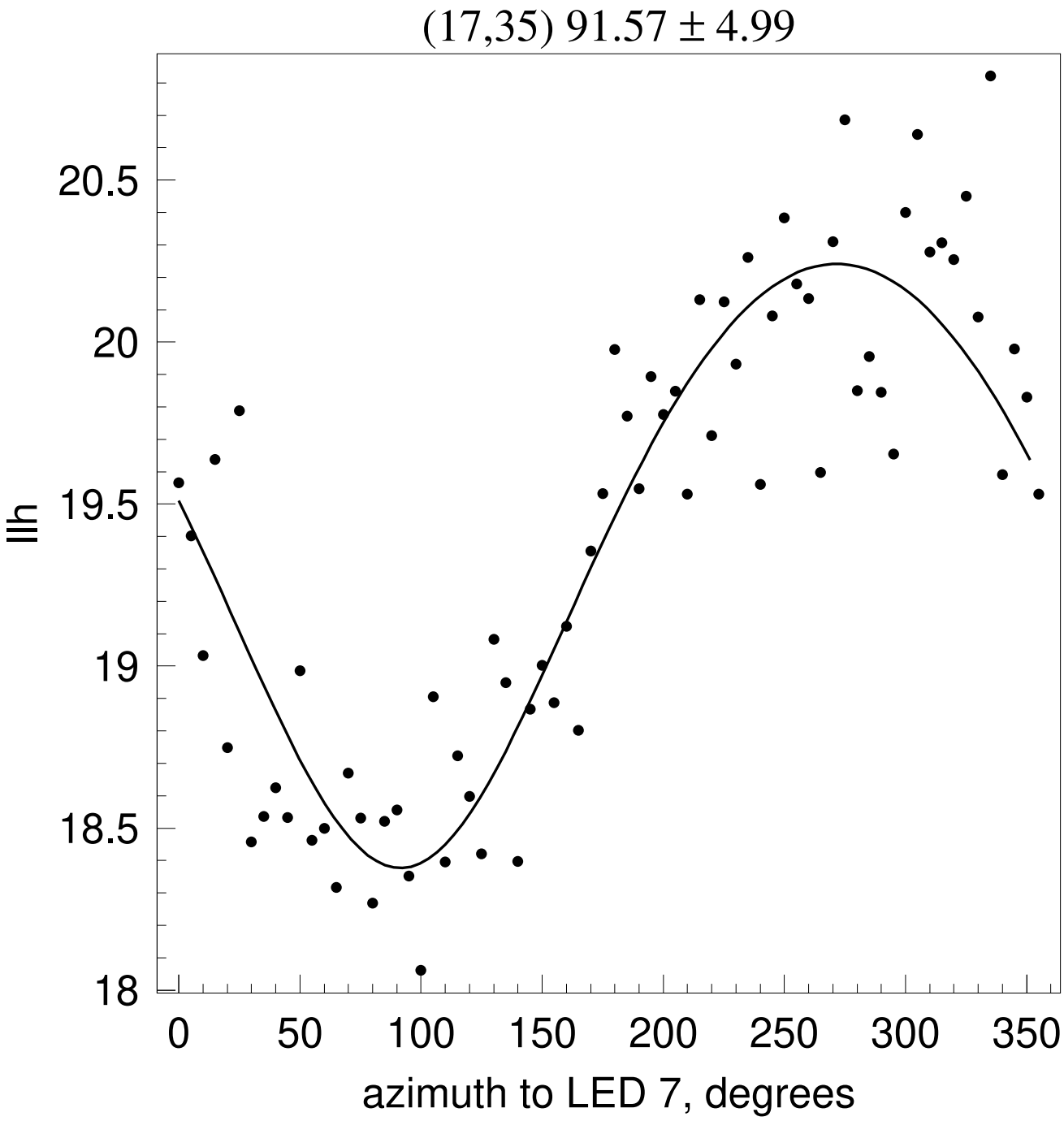

(16,35) 99.10 ± 115.30
24.4
24.2
24
23.8
23.6
23.4
23.2
23
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

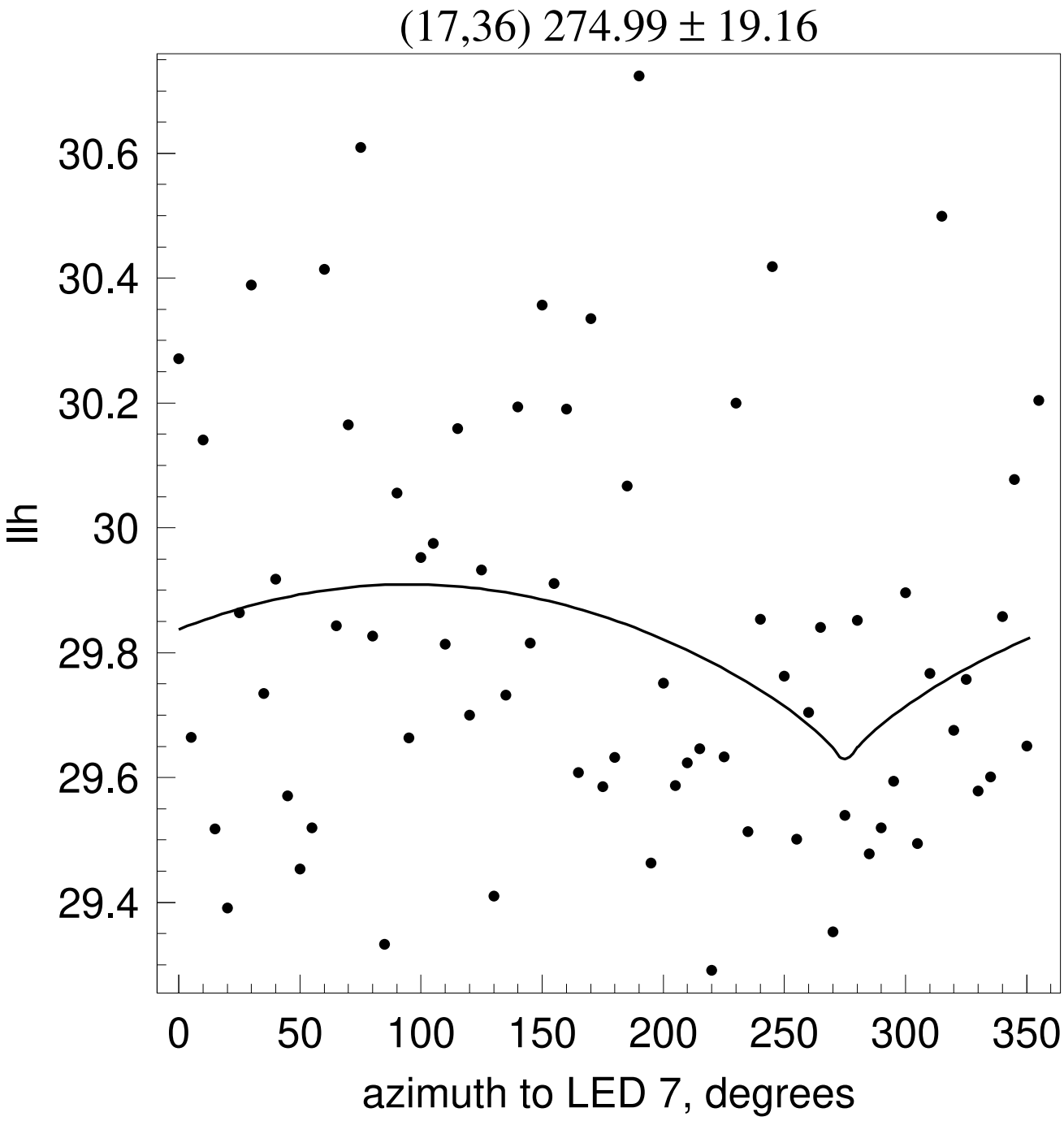

(16,36) 85.06 ± 0.00
23.4
23.2
23
22.8
22.6
22.4
22.2
22
21.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

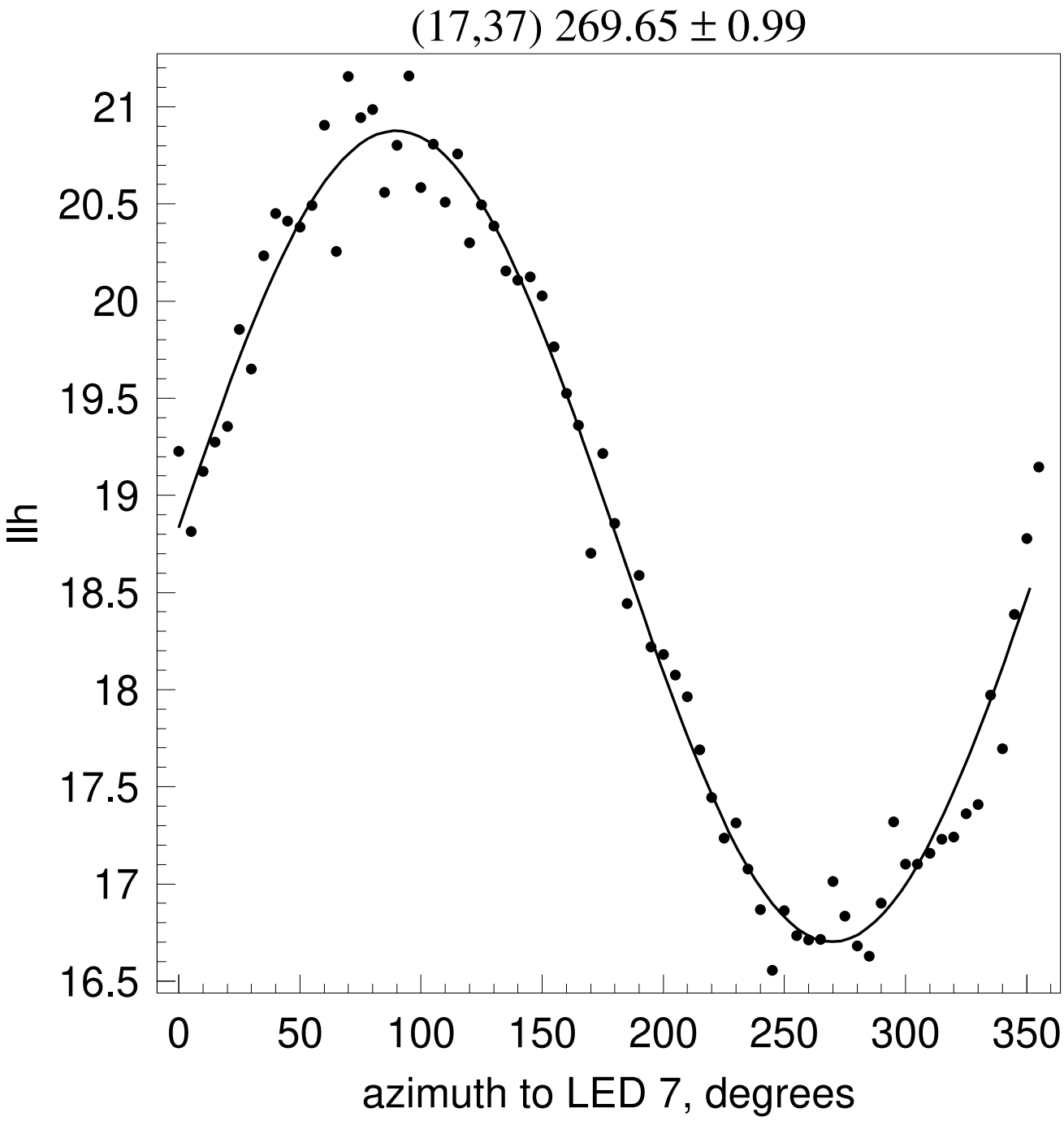

(16,37) 53.82 ± 0.37
llh
20
19
18
17
16
15
14
13
12
11
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

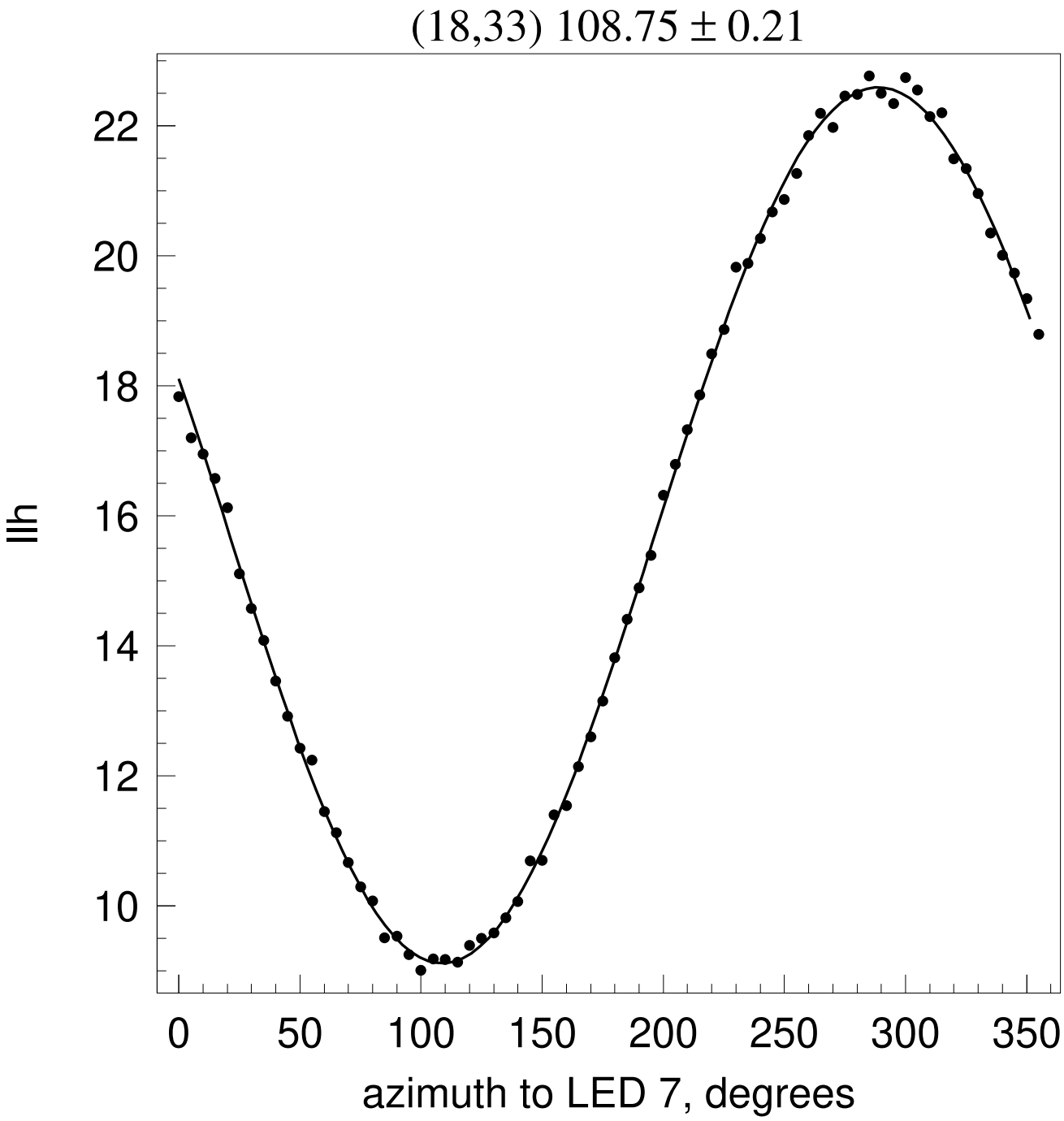

(17,33) 181.02 ± 0.20
28
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

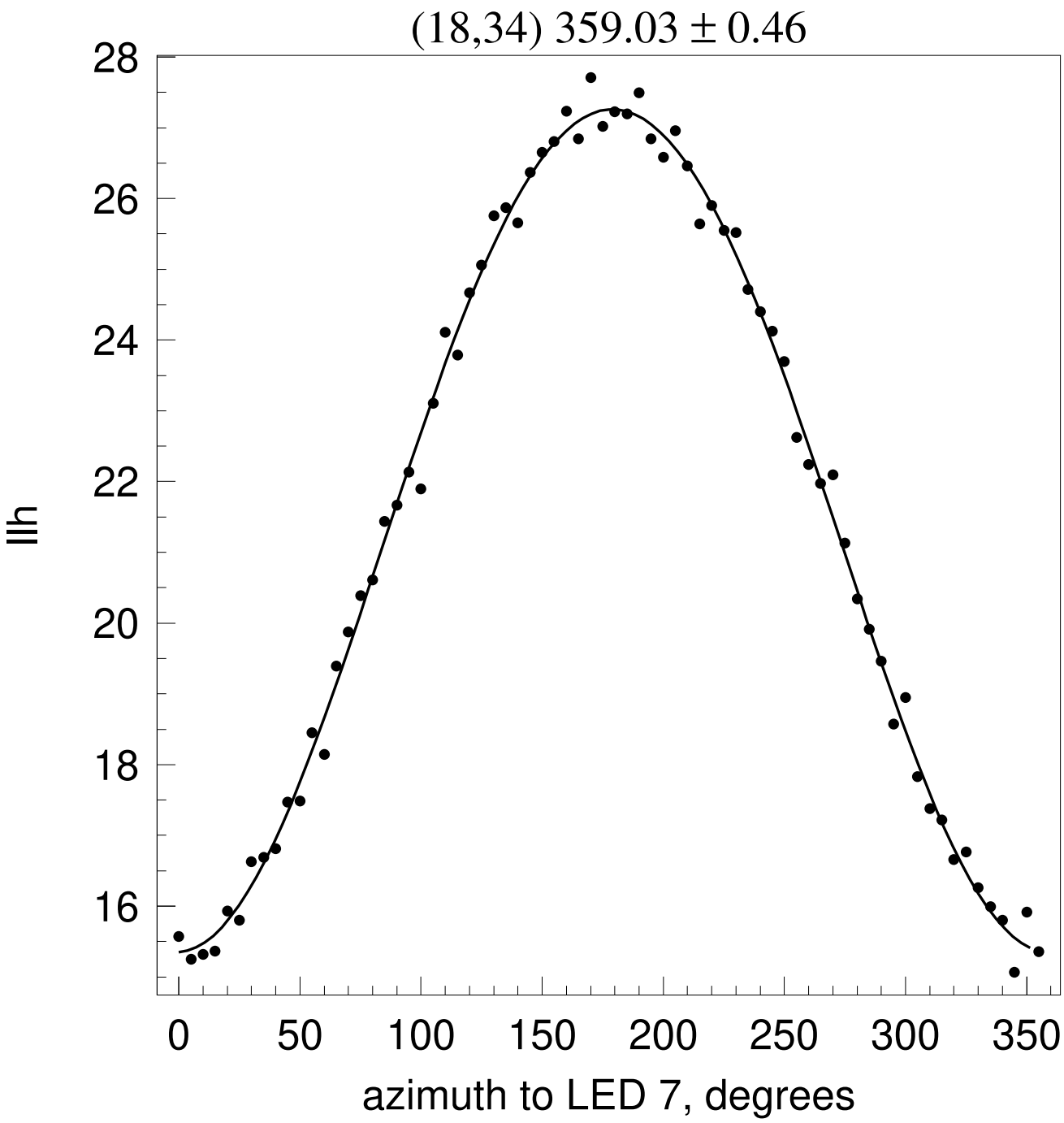

(17,34) 323.69 ± 0.36
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

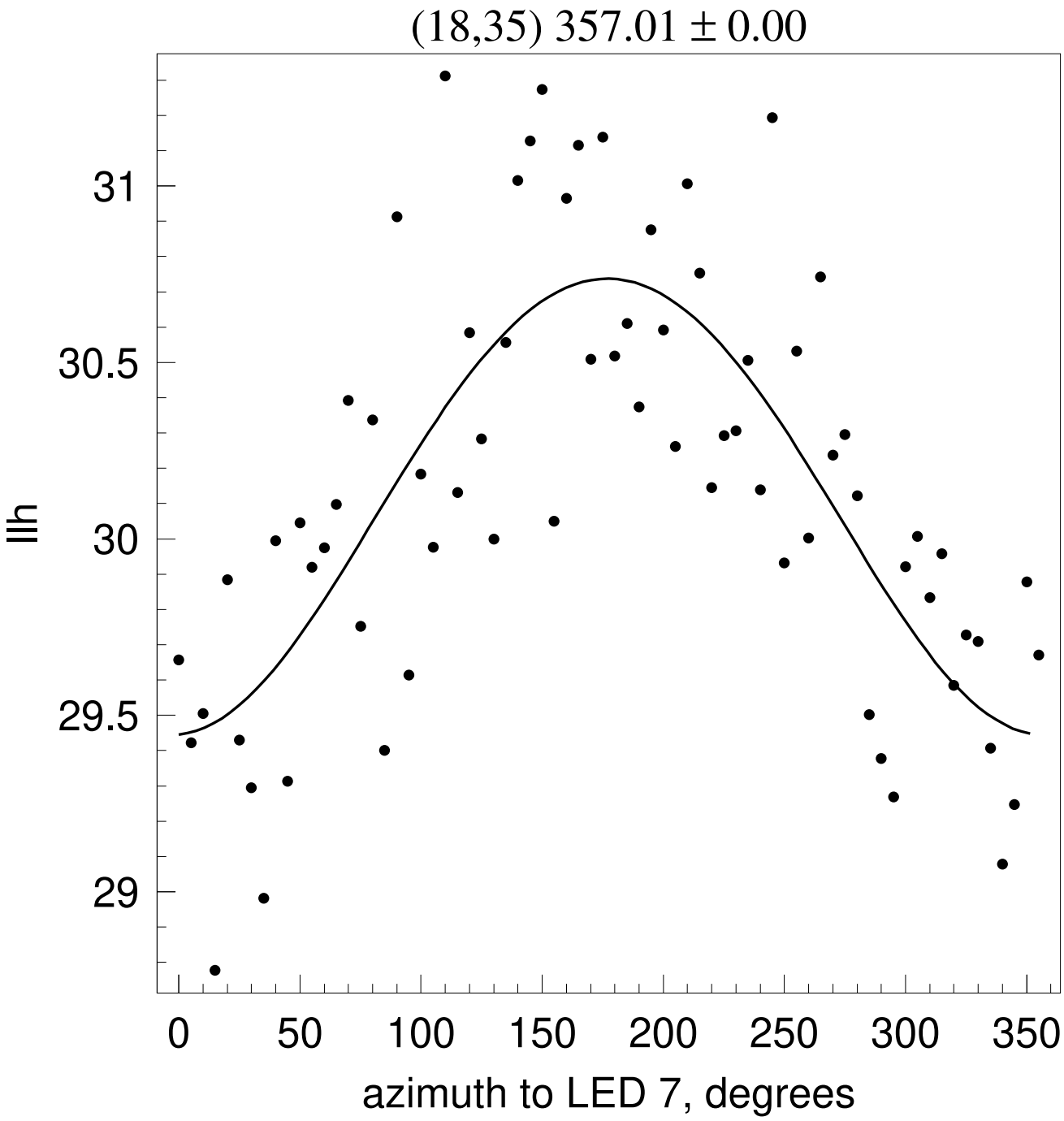

(17,35) 91.57 ± 4.99
20.5
20
19.5
19
18.5
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

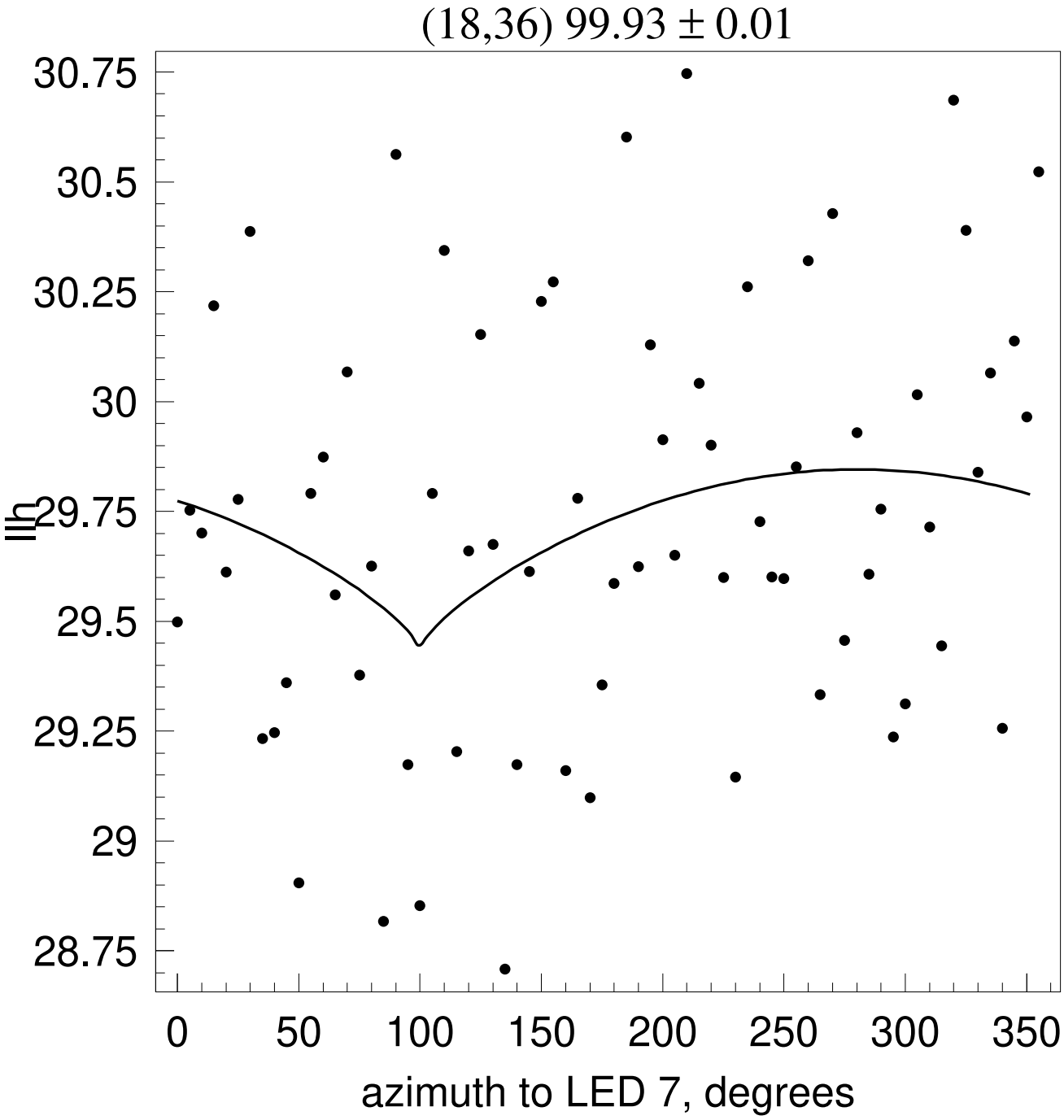

(17,36) 274.99 ± 19.16
30.6
30.4
30.2
30
29.8
29.6
29.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

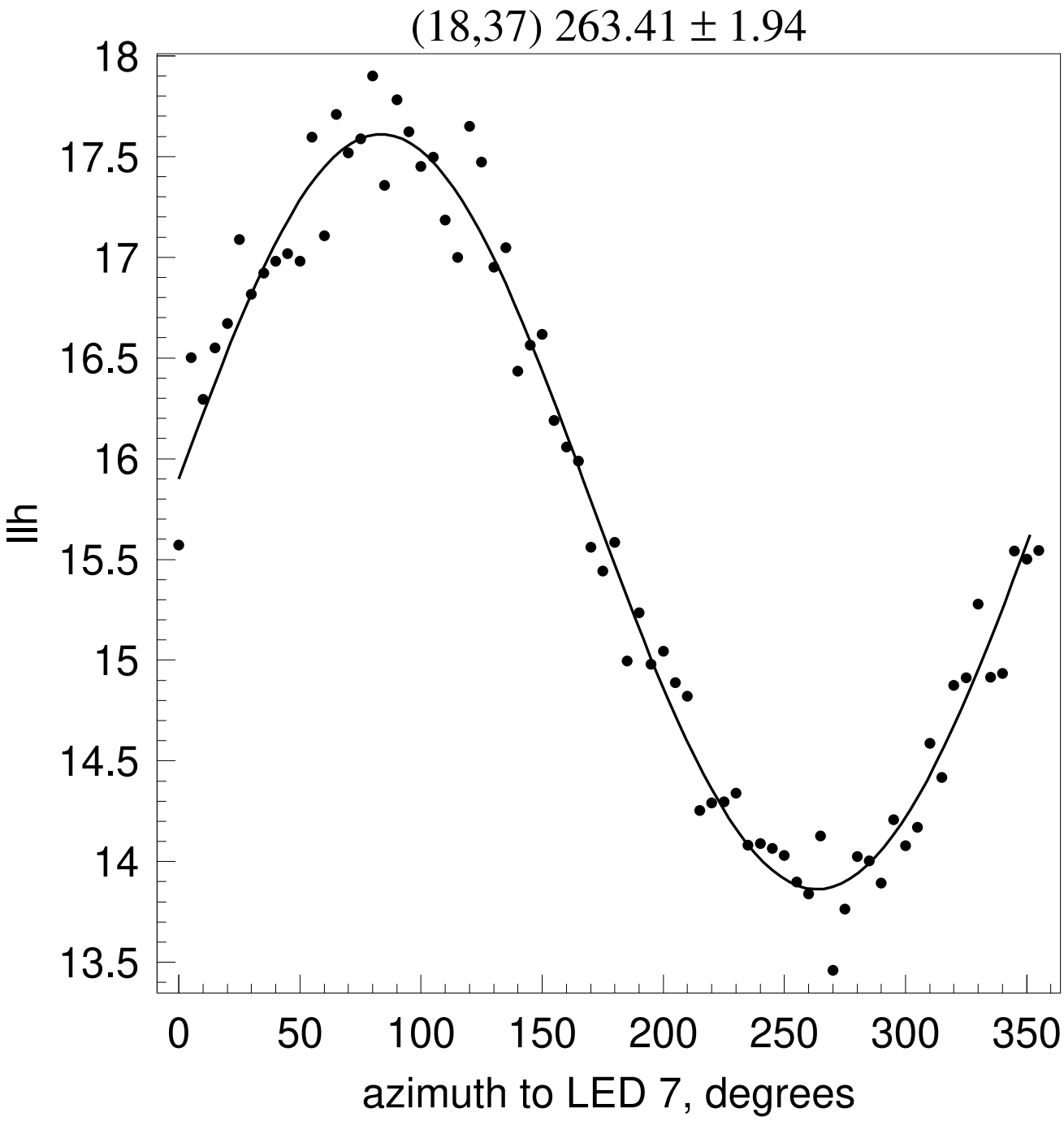

(17,37) 269.65 ± 0.99
21
20.5
20
19.5
19
18.5
18
17.5
17
16.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

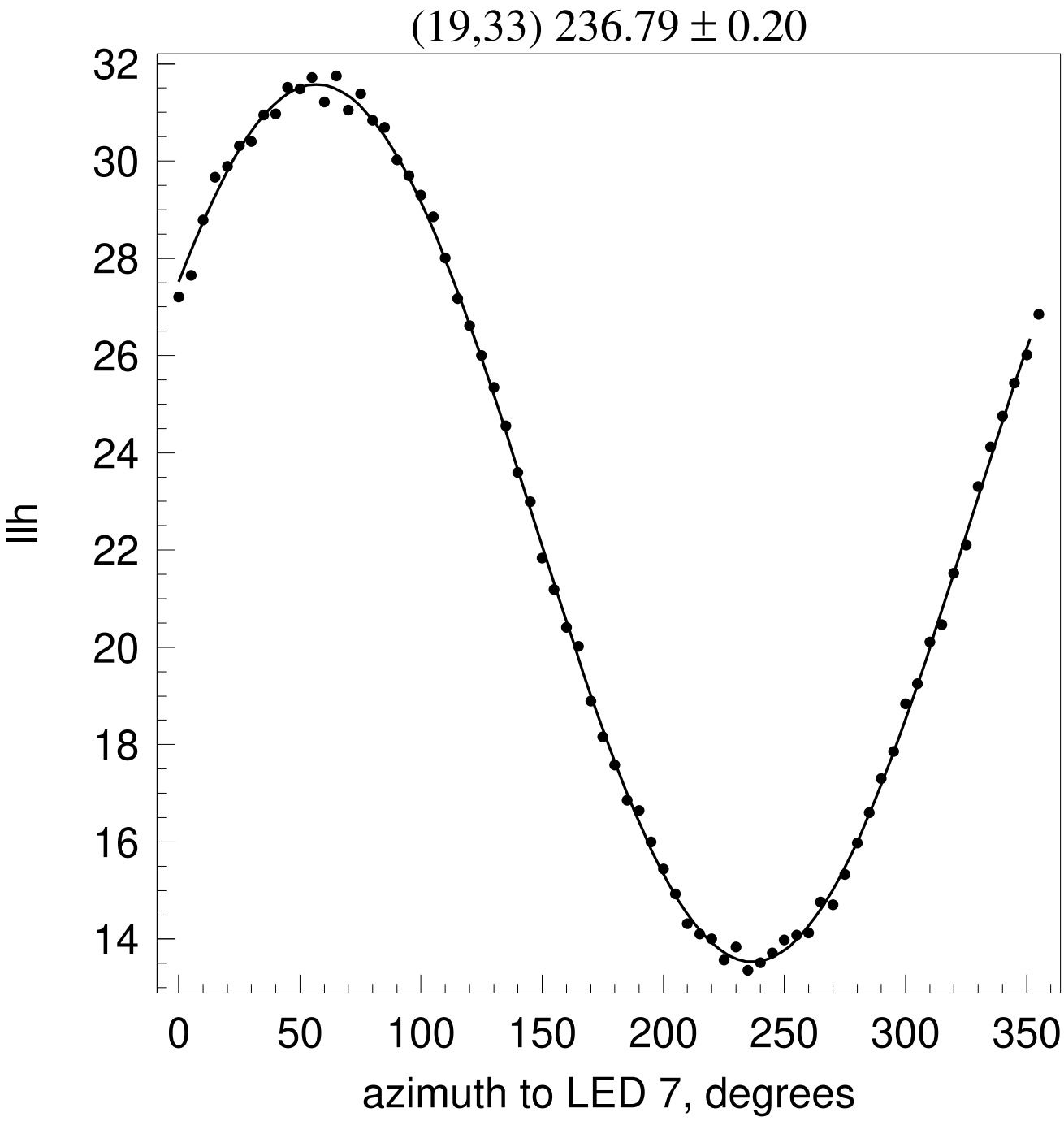

(18,33) 108.75 ± 0.21
22
20
18
16
14
12
10
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

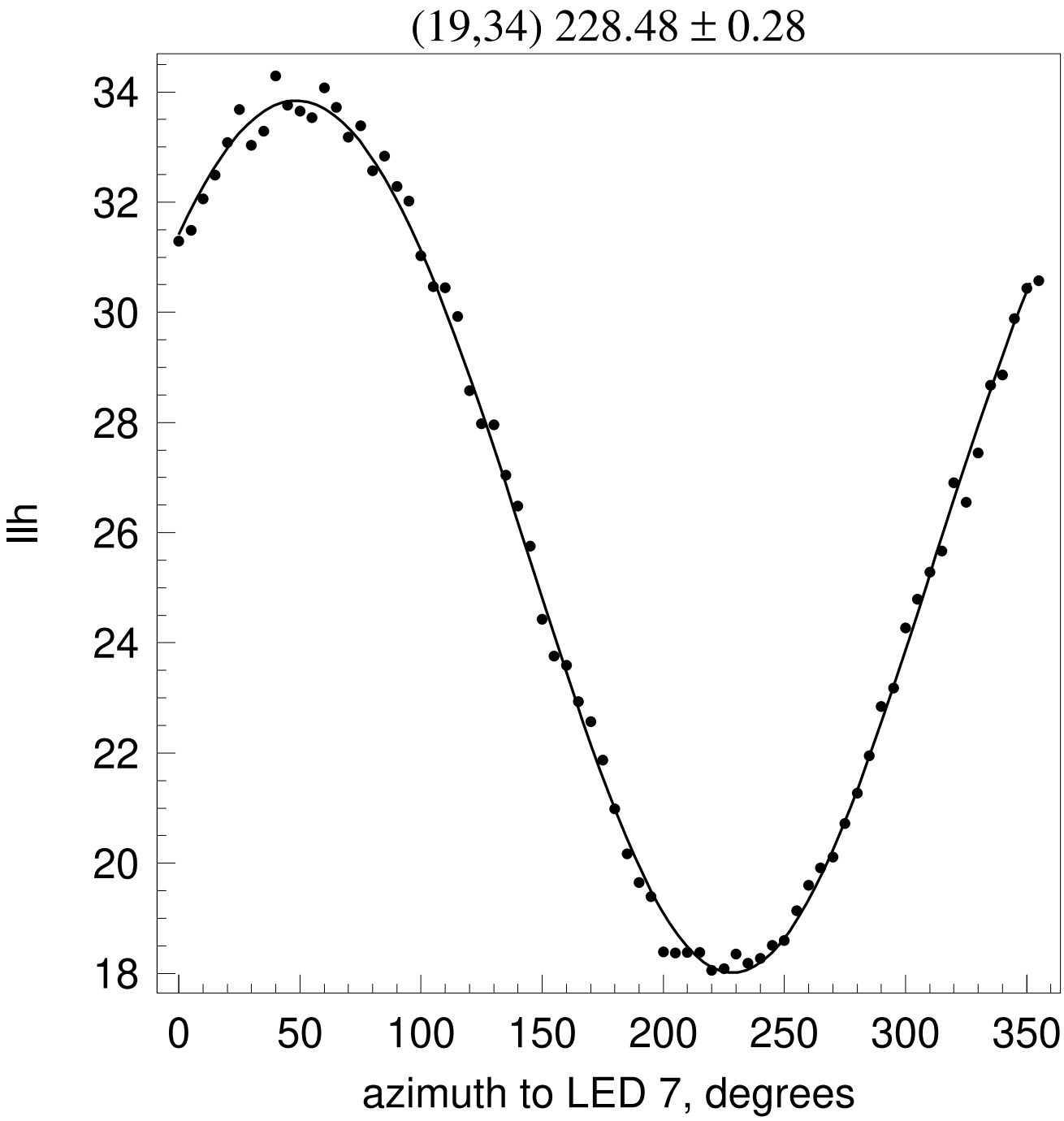

(18,34) 359.03 ± 0.46
28
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

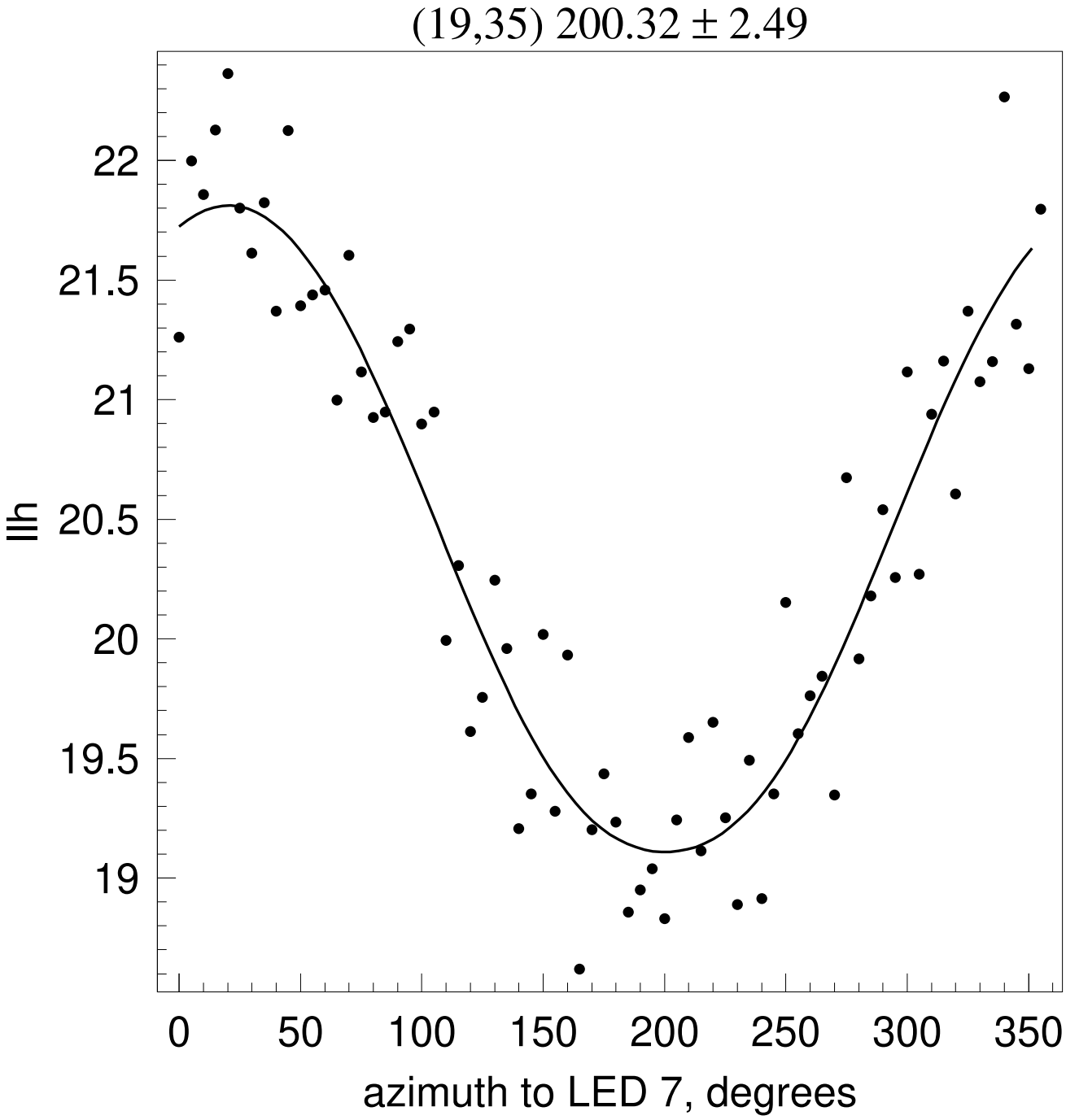

(18,35) 357.01 ± 0.00
31
30.5
30
29.5
29
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

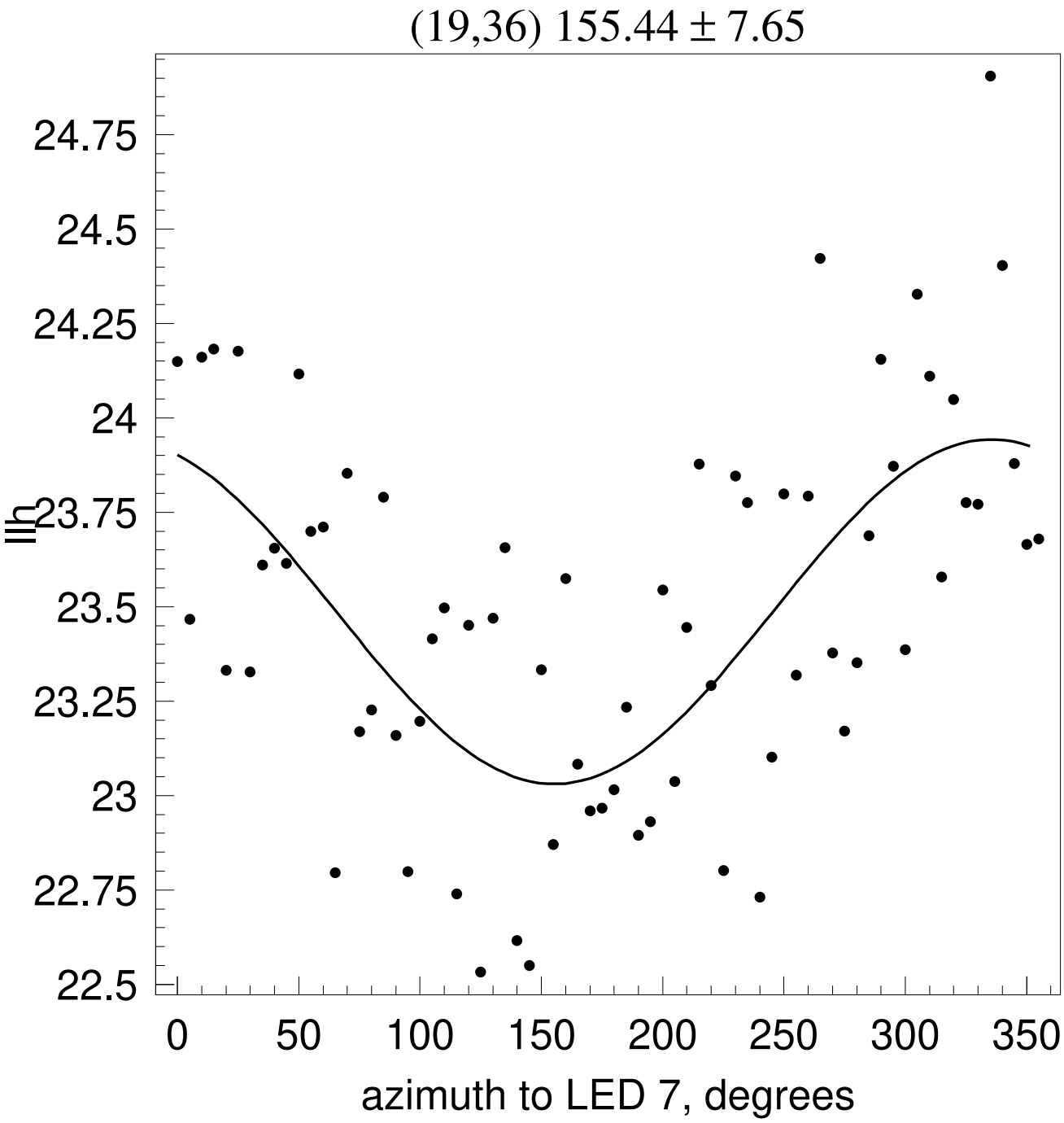

(18,36) 99.93 ± 0.01
30.75
30.5
30.25
30
29.75
29.5
29.25
29
28.75
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

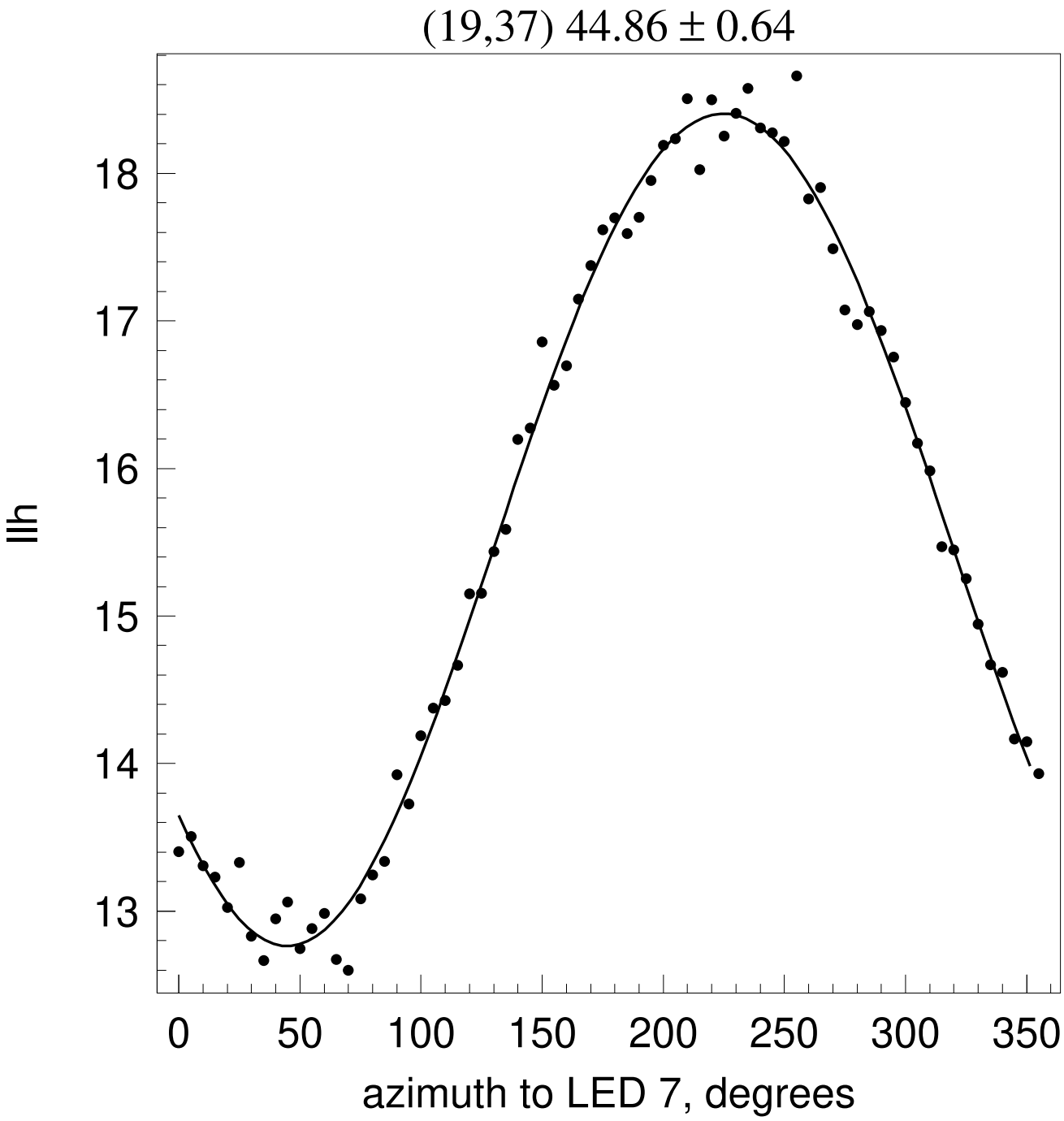

(18,37) 263.41 ± 1.94
18
17.5
17
16.5
16
15.5
15
14.5
14
13.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

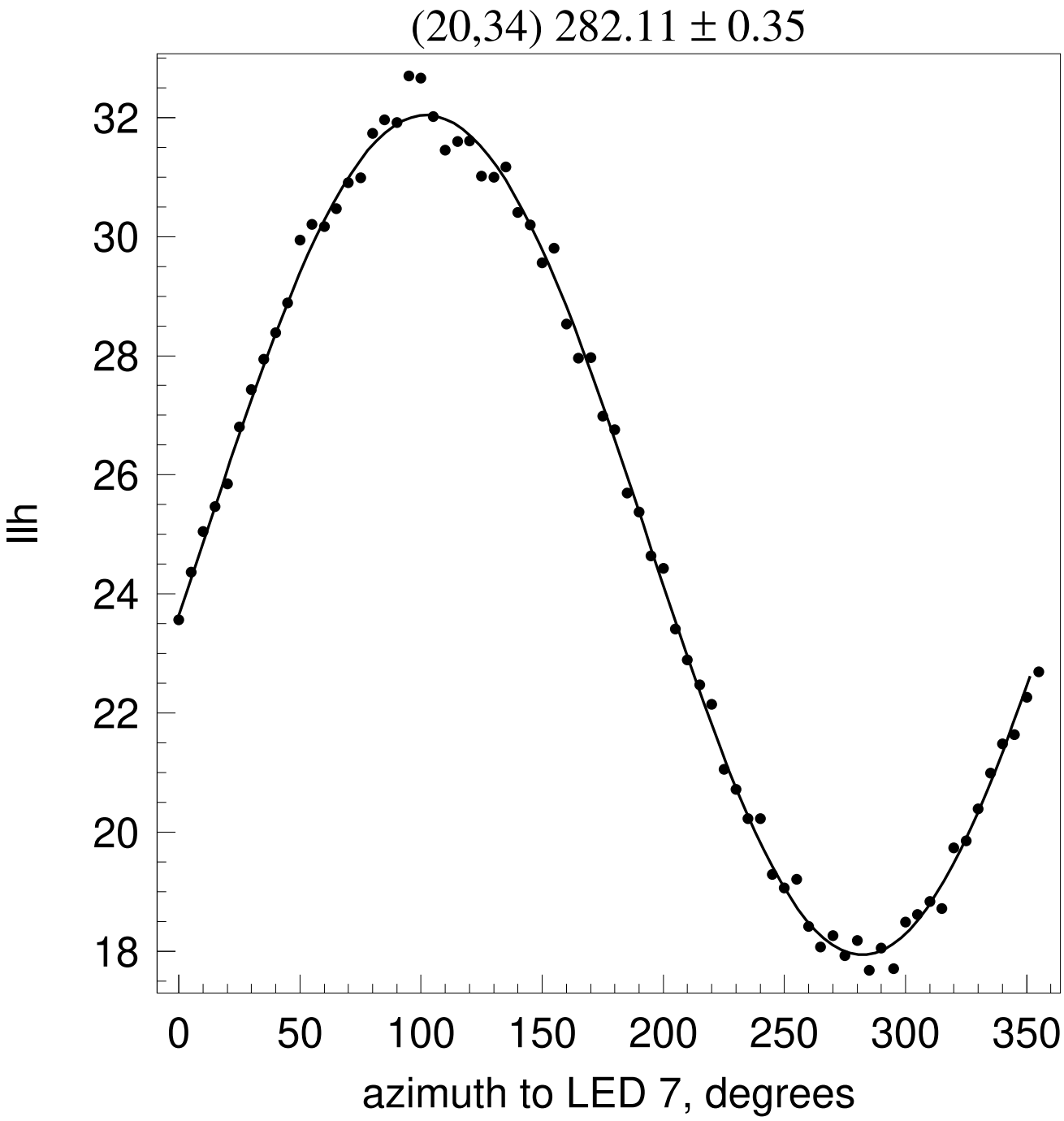

(19,33) 236.79 ± 0.20
32
30
28
26
24
22
20
18
16
14
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

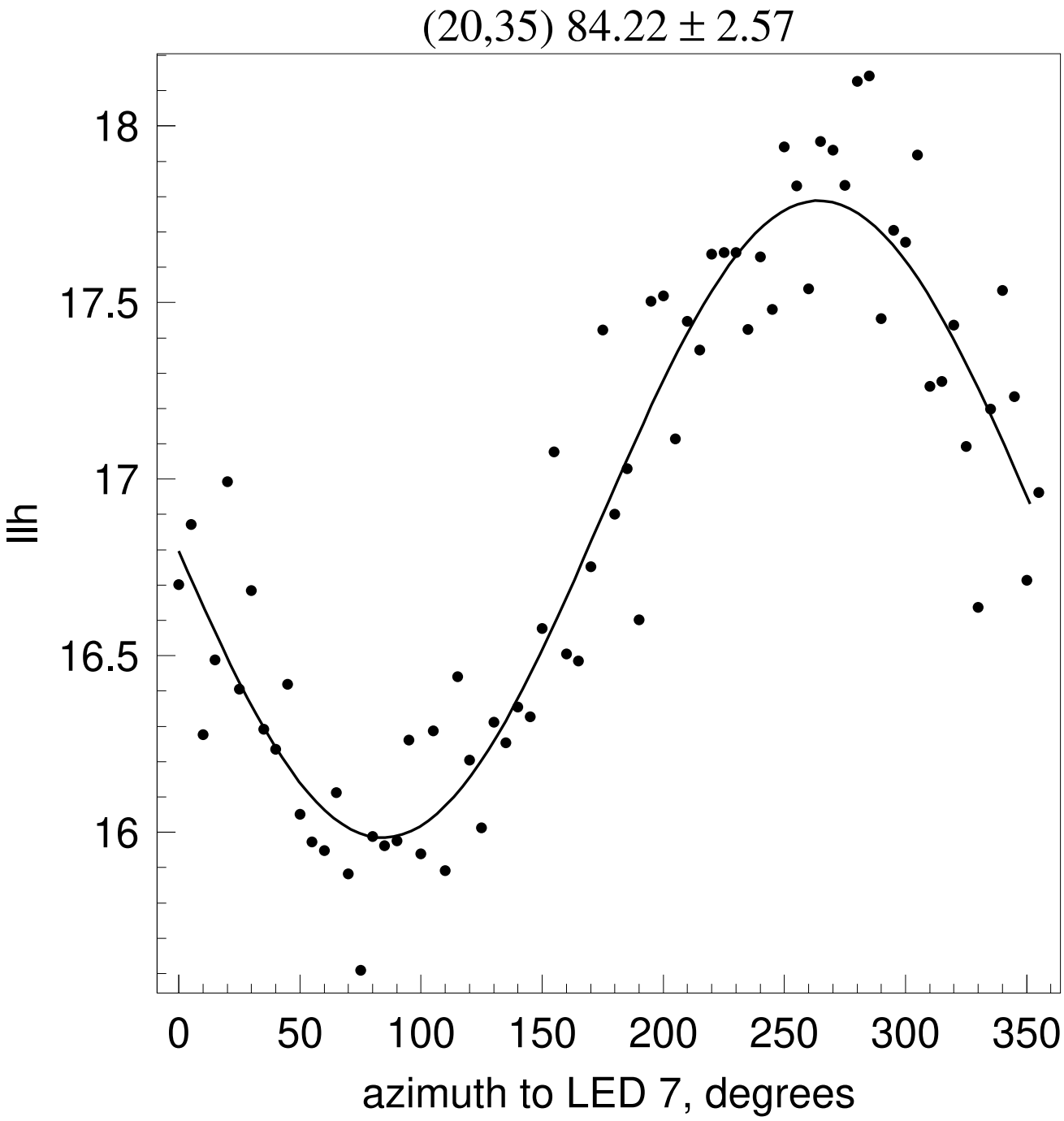

(19,34) 228.48 ± 0.28
34
32
30
28
26
24
22
20
18
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

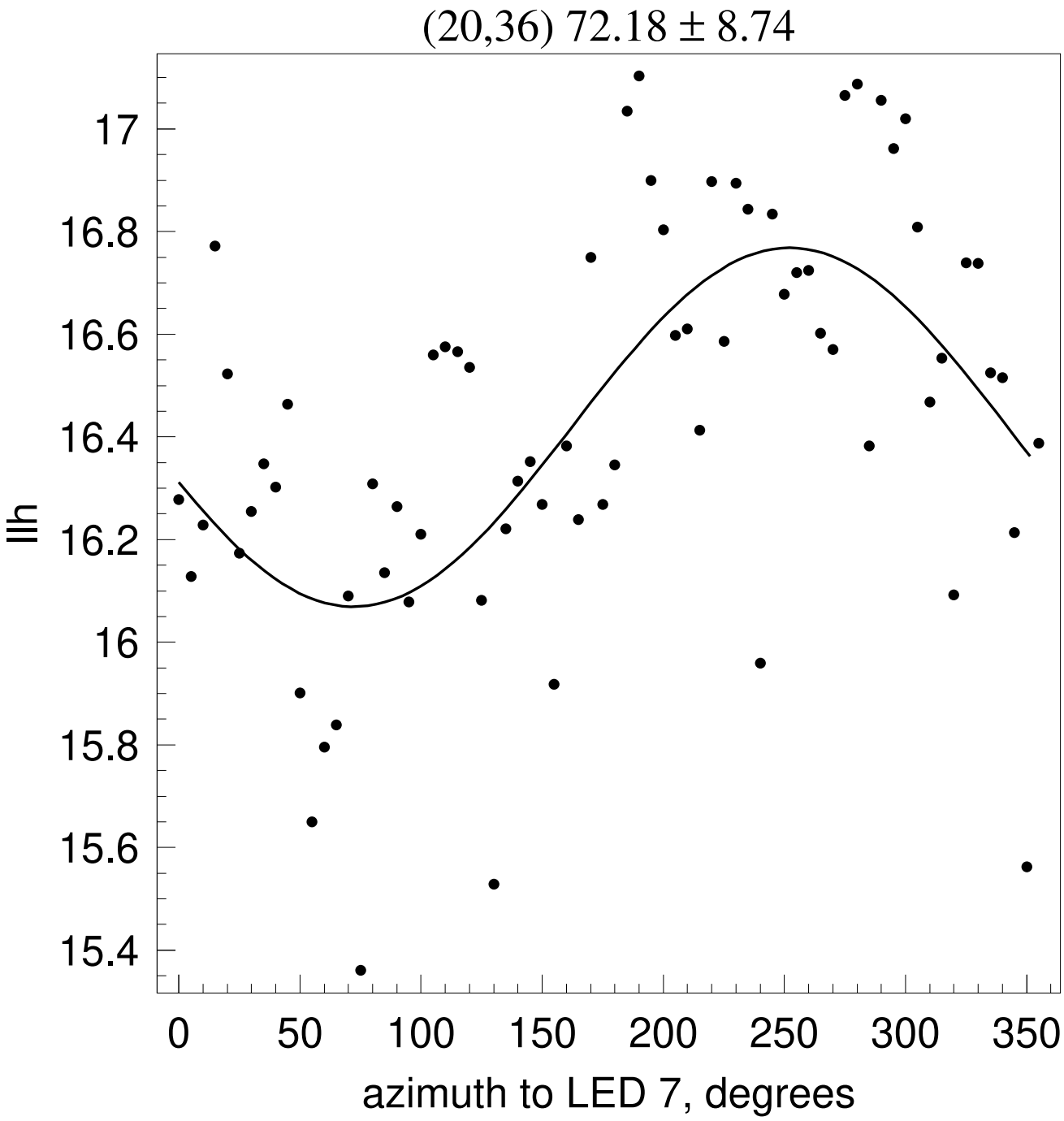

(19,35) 200.32 ± 2.49
22
21.5
21
20.5
20
19.5
19
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

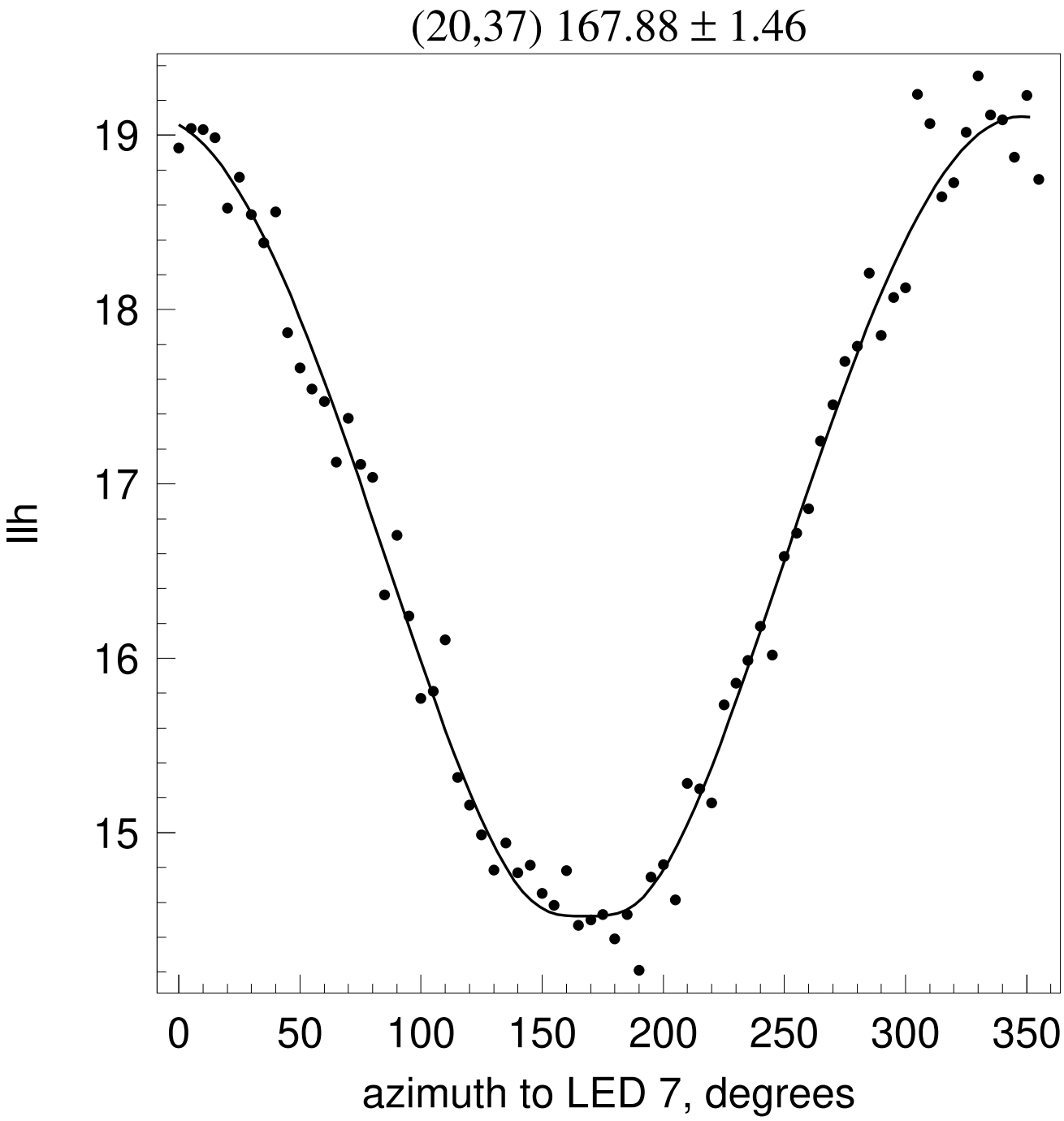

(19,36) 155.44 ± 7.65
24.75
24.5
24.25
24
23.75
23.5
23.25
23
22.75
22.5
ln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

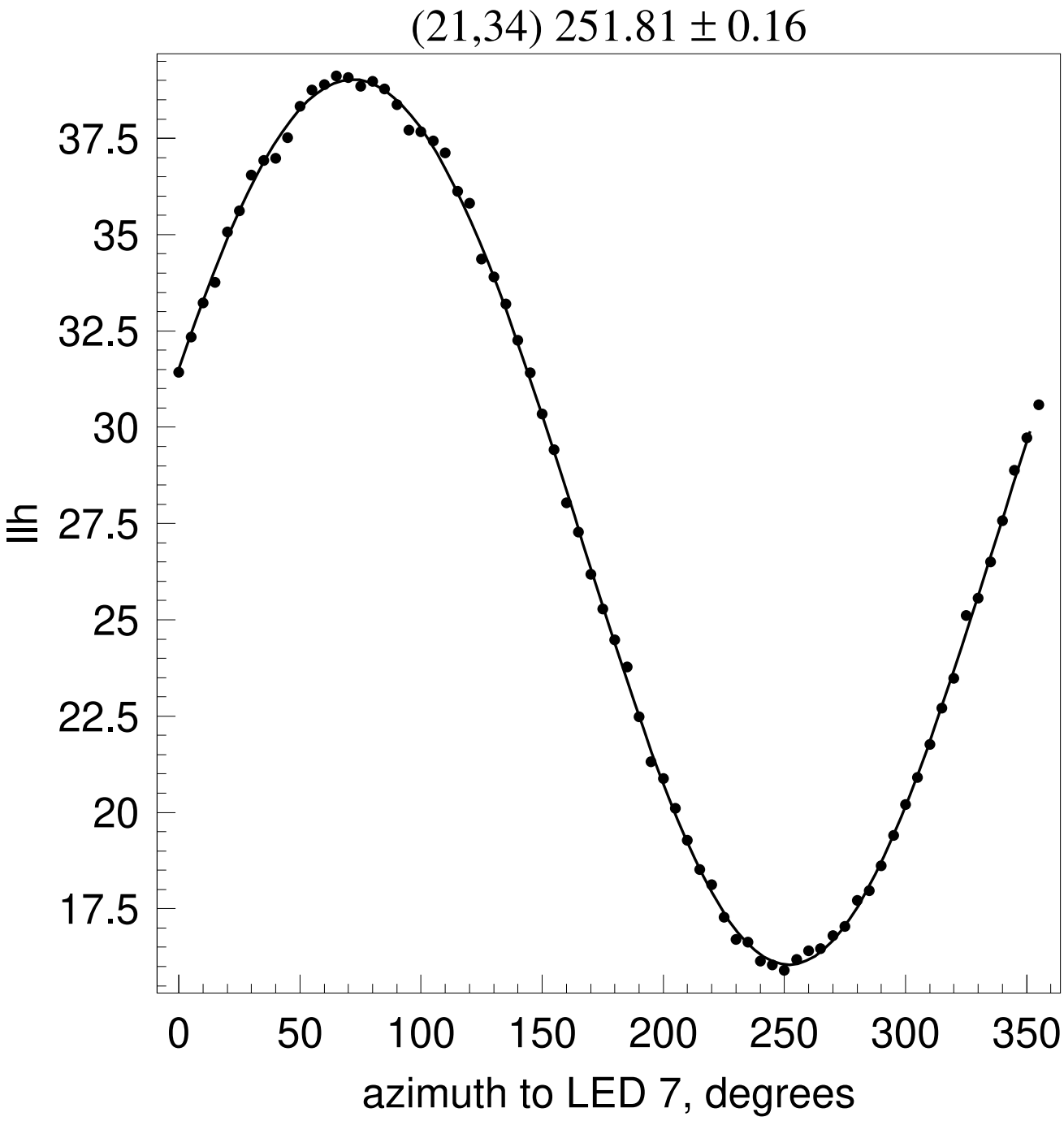

(19,37) 44.86 ± 0.64
18
17
16
15
14
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

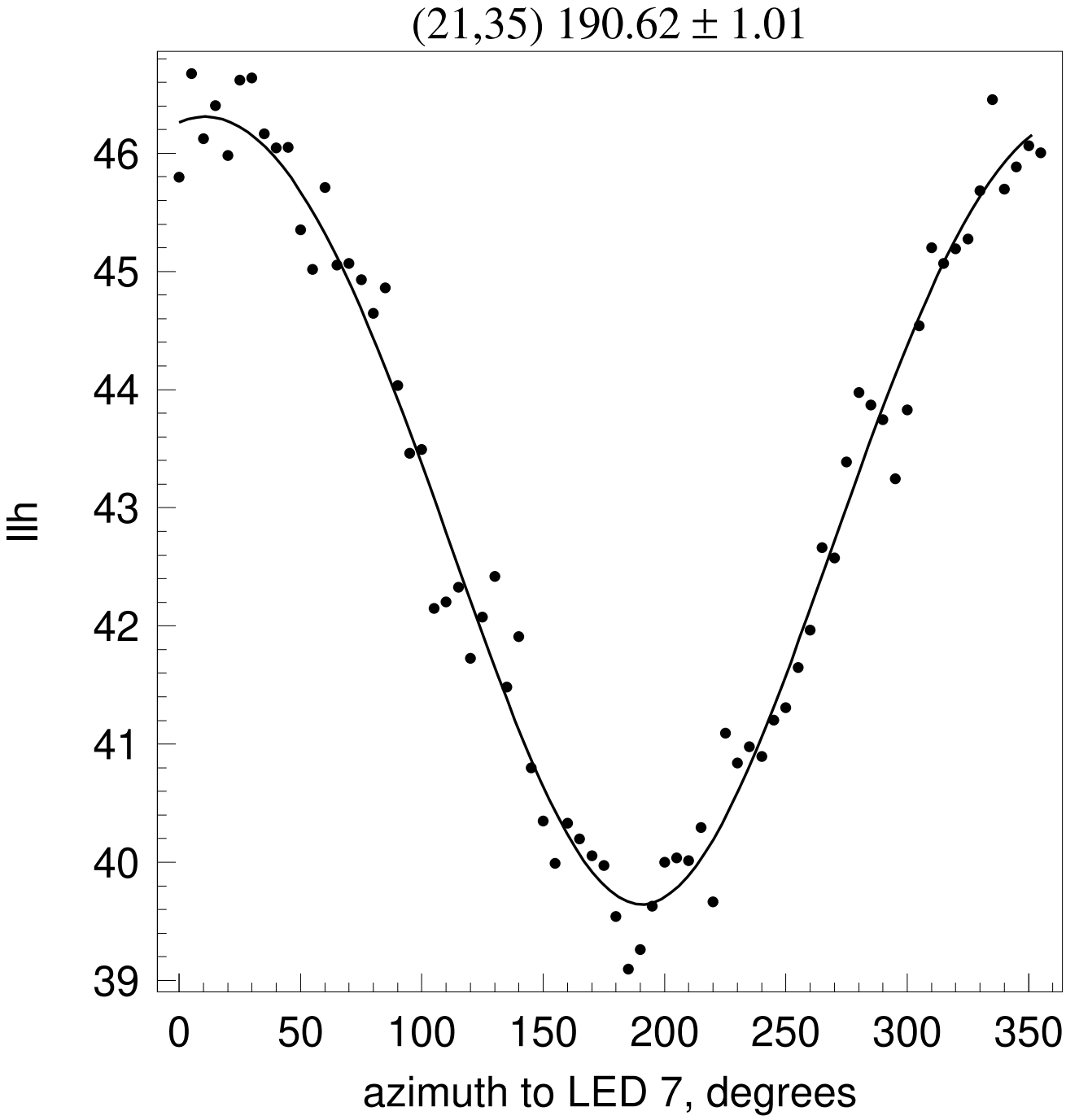

(20,34) 282.11 ± 0.35
32
30
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

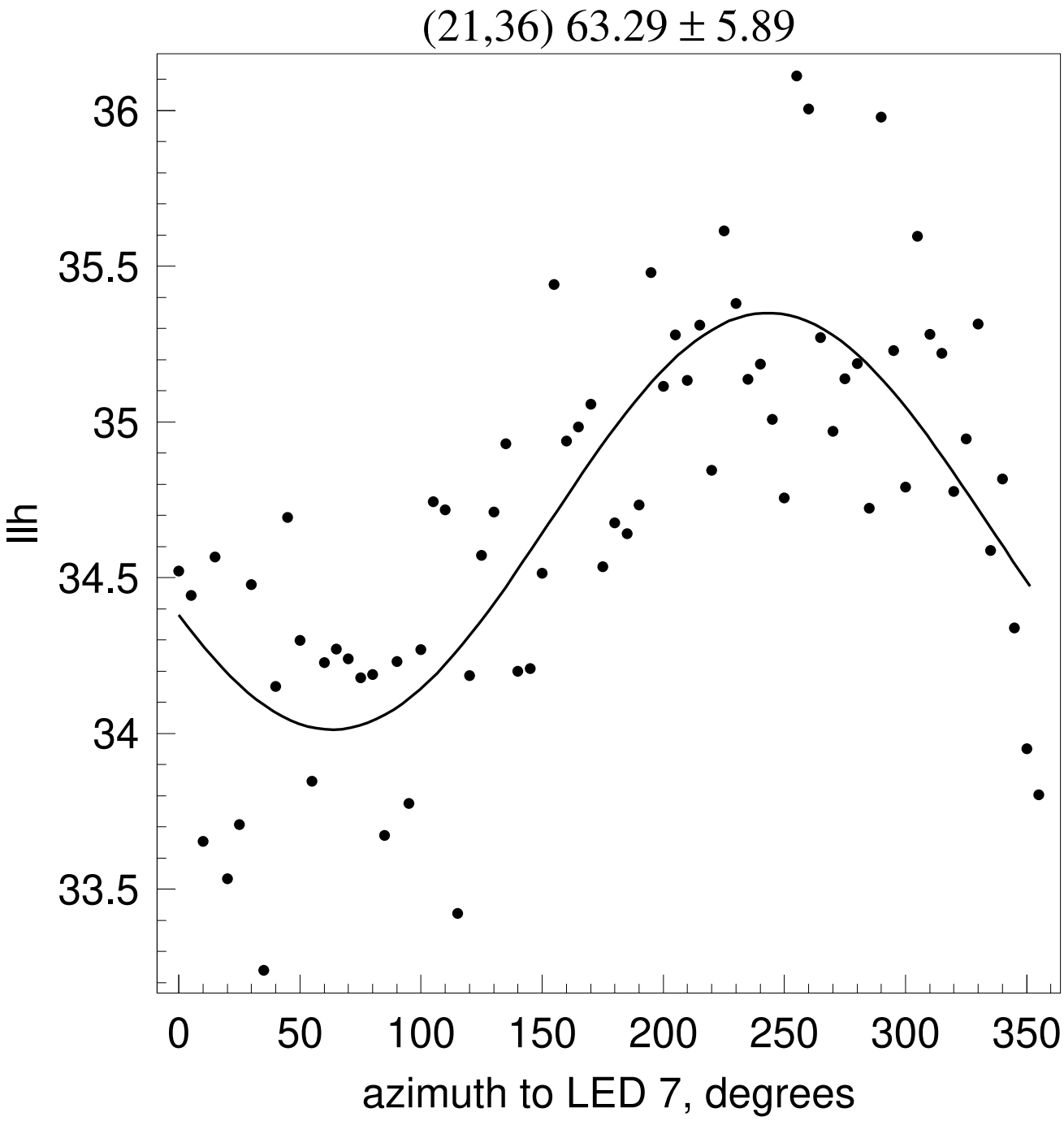

(20,35) 84.22 ± 2.57
18
17.5
17
16.5
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

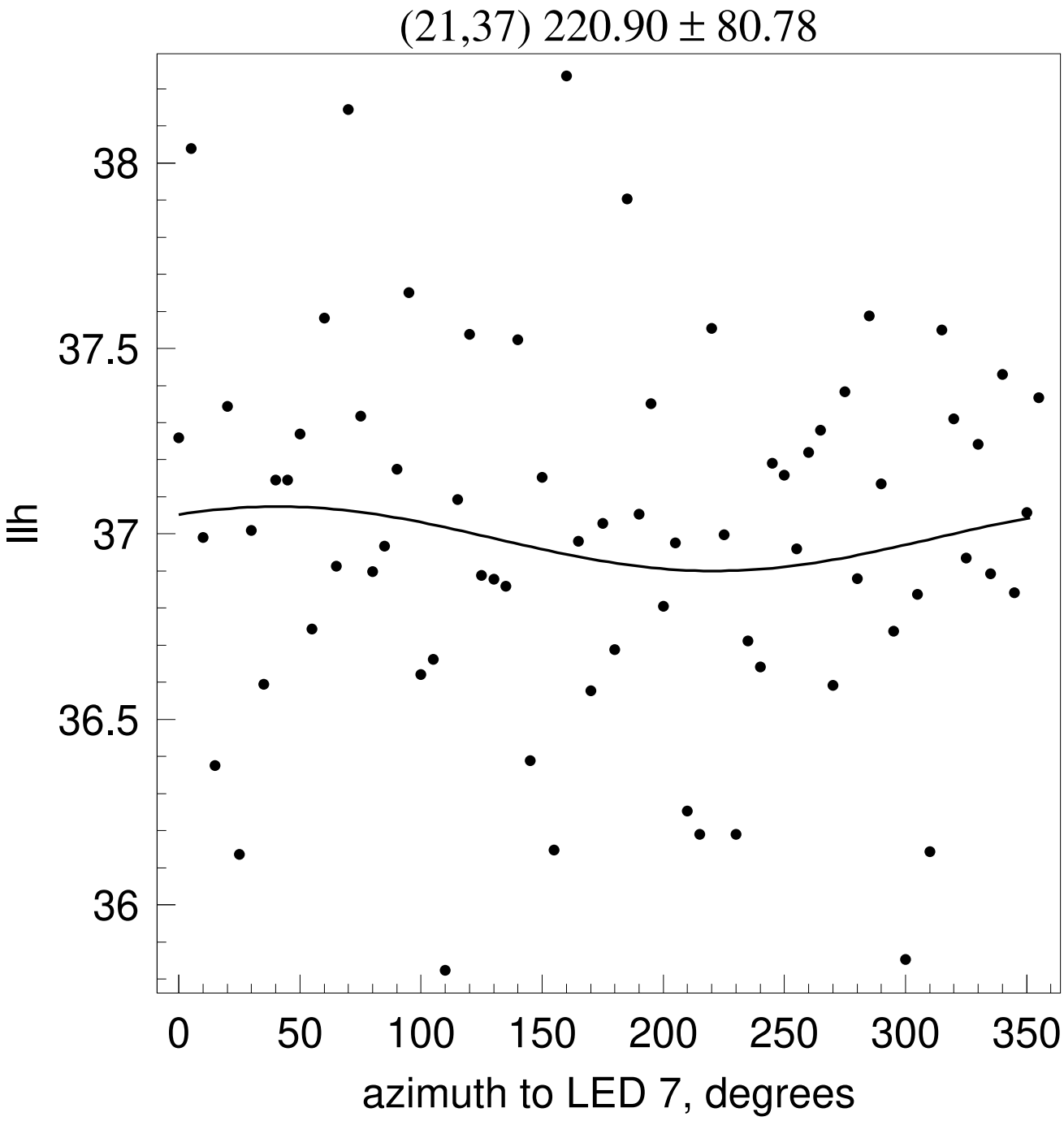

(20,36) 72.18 ± 8.74
17
16.8
16.6
16.4
16.2
16
15.8
15.6
15.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

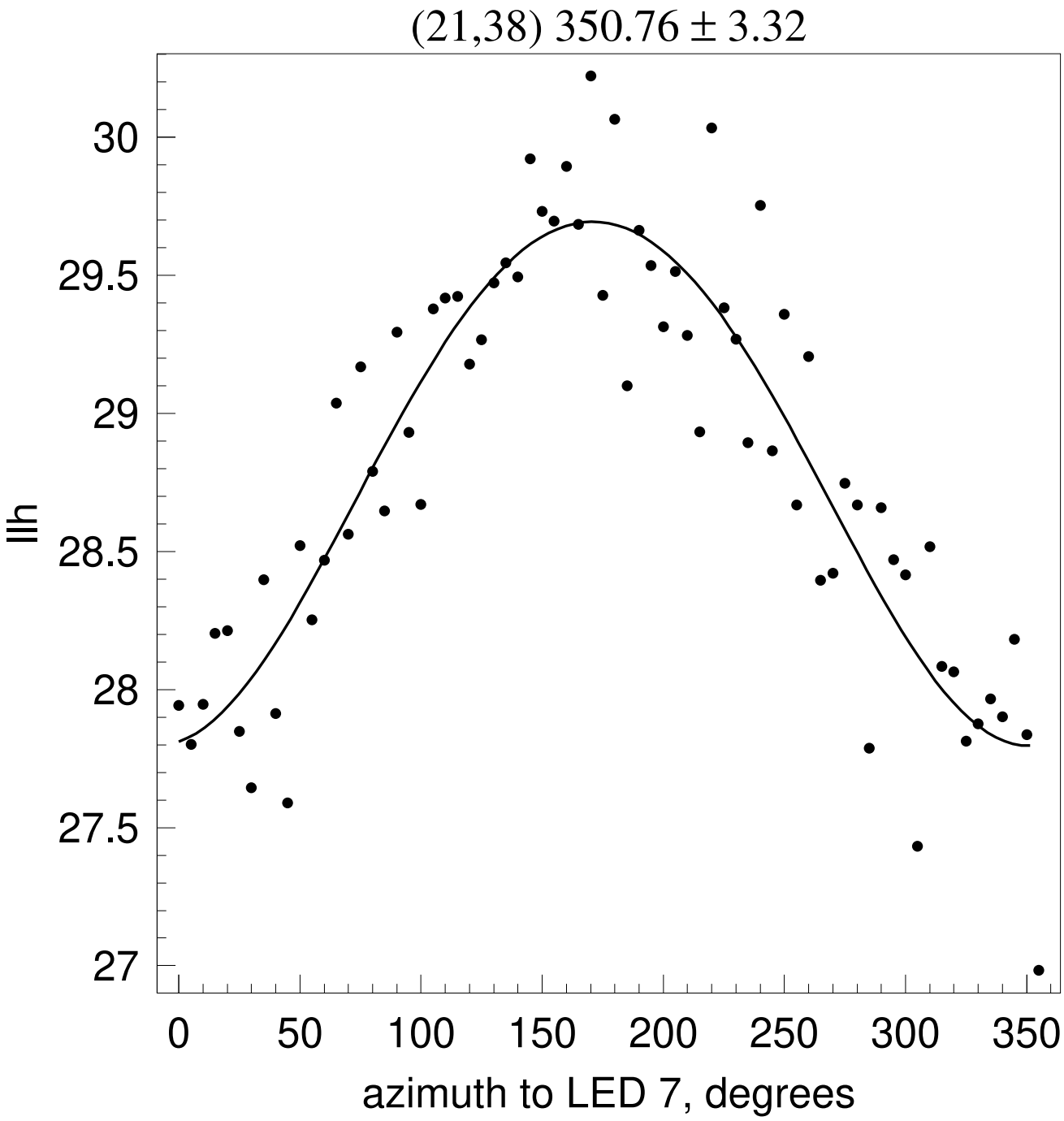

(20,37) 167.88 ± 1.46
19
18
17
16
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

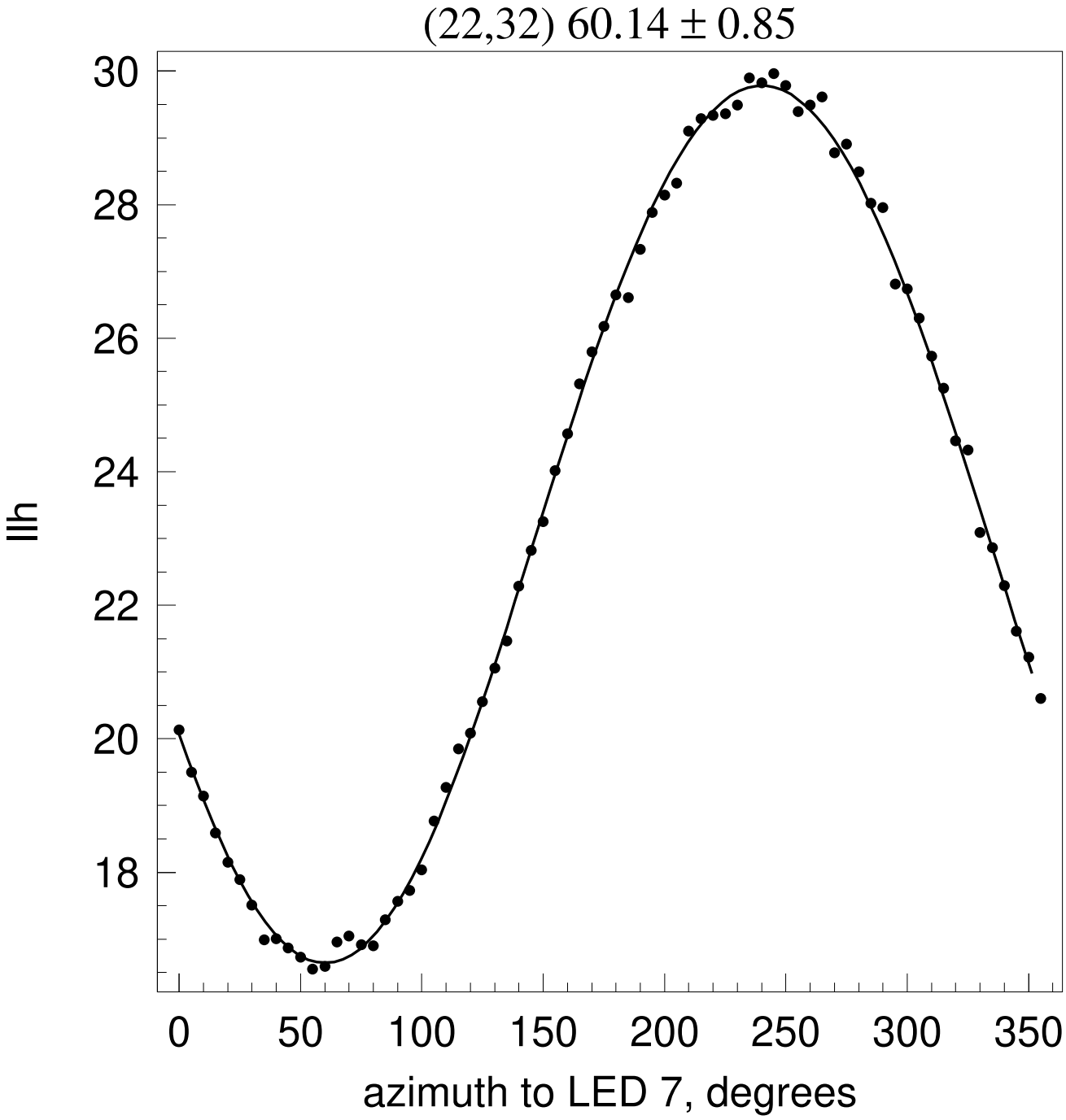

(21,34) 251.81 ± 0.16
37.5
35
32.5
30
27.5
25
22.5
20
17.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

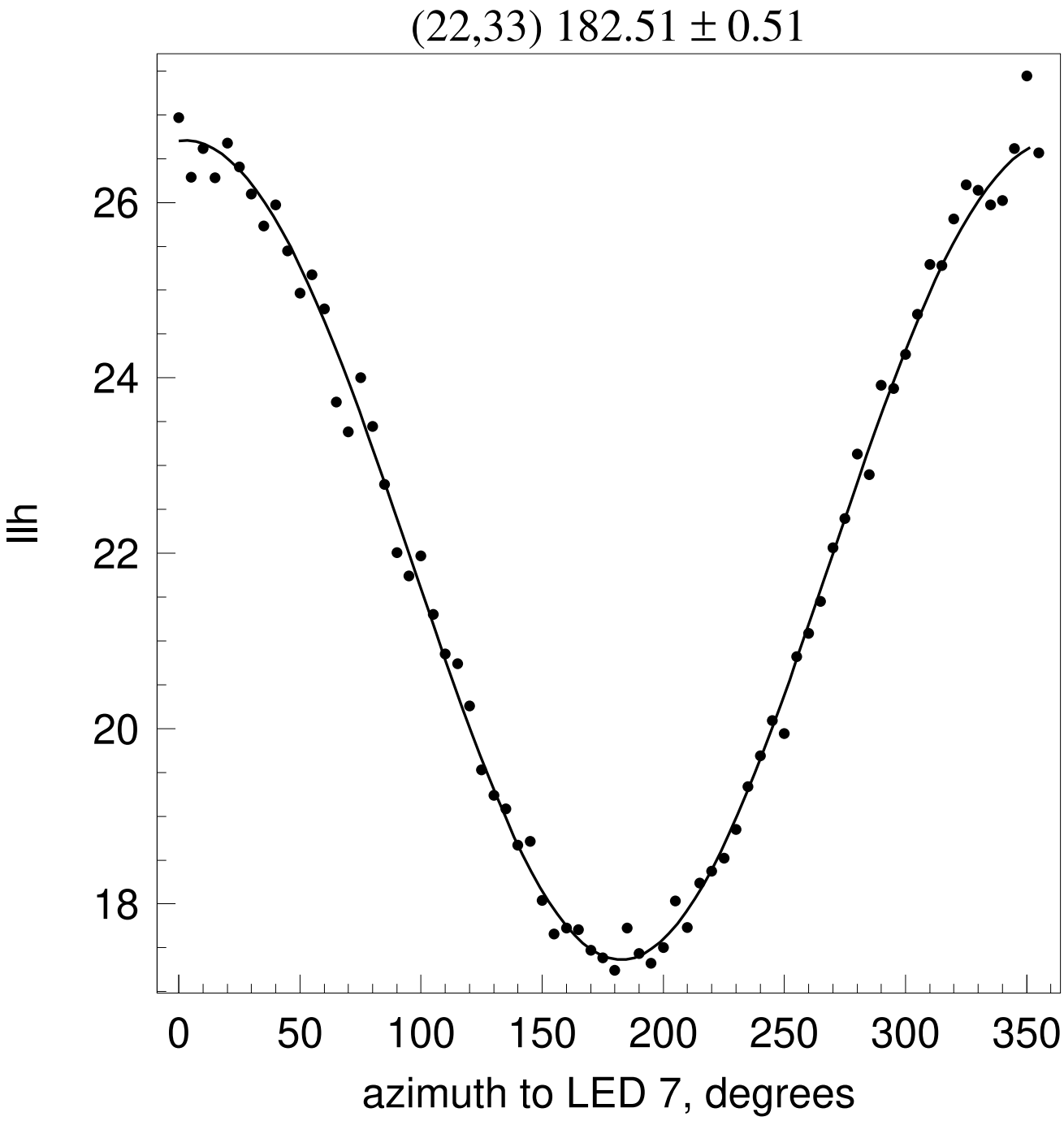

(21,35) 190.62 ± 1.01
46
45
44
43
42
41
40
39
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

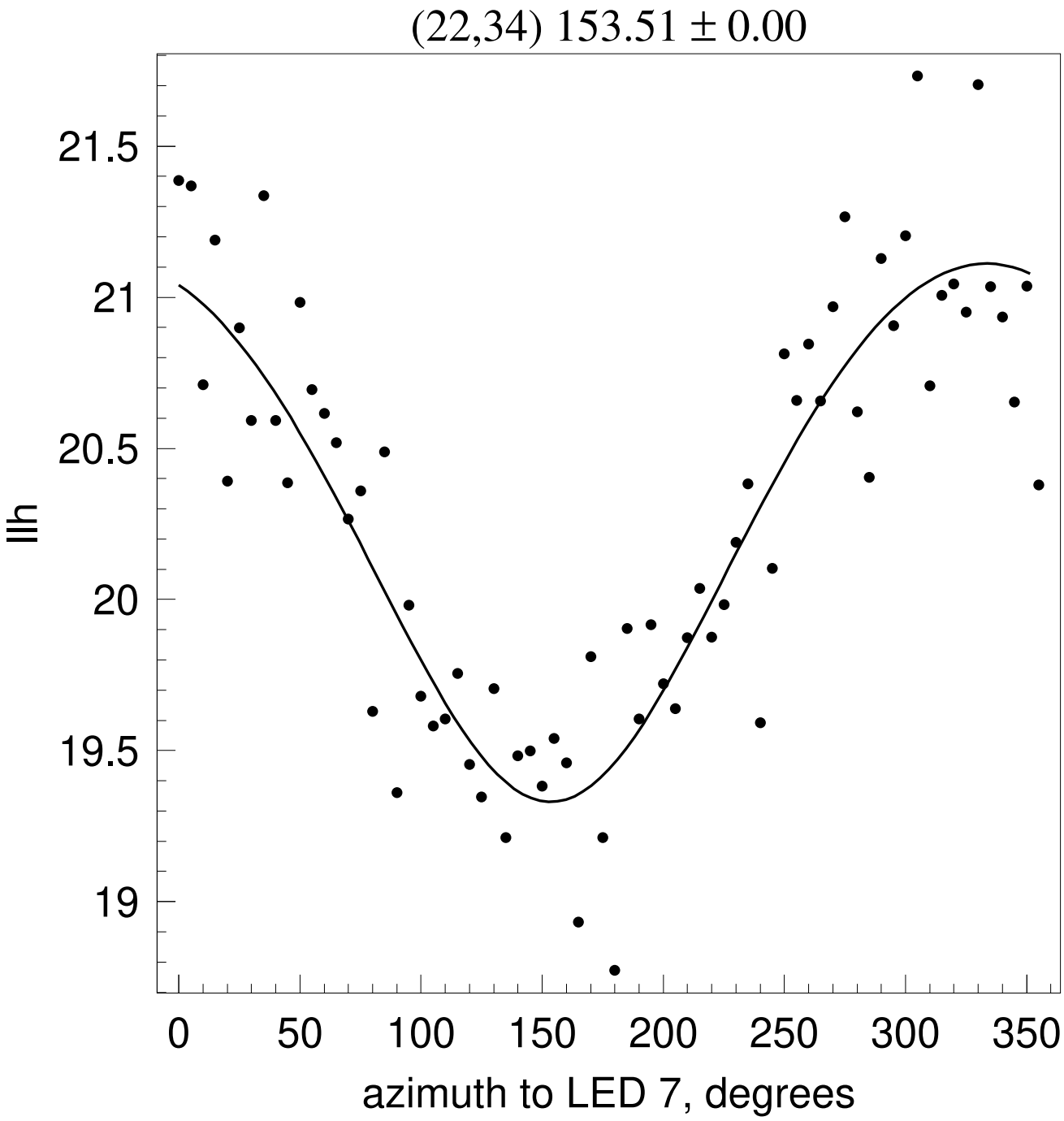

(21,36) 63.29 ± 5.89
36
35.5
35
34.5
34
33.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

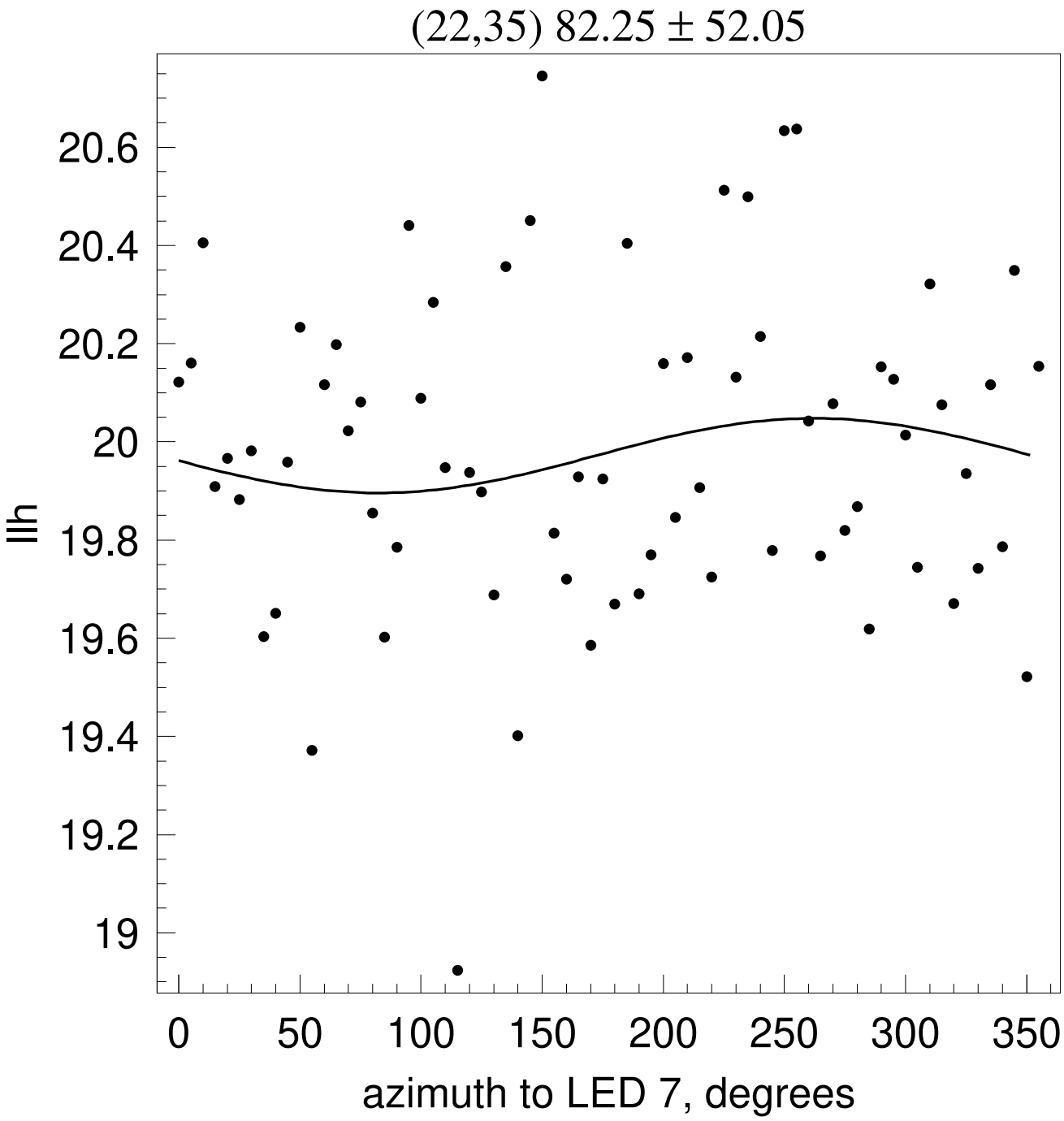

(21,37) 220.90 ± 80.78
38
37.5
37
36.5
36
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

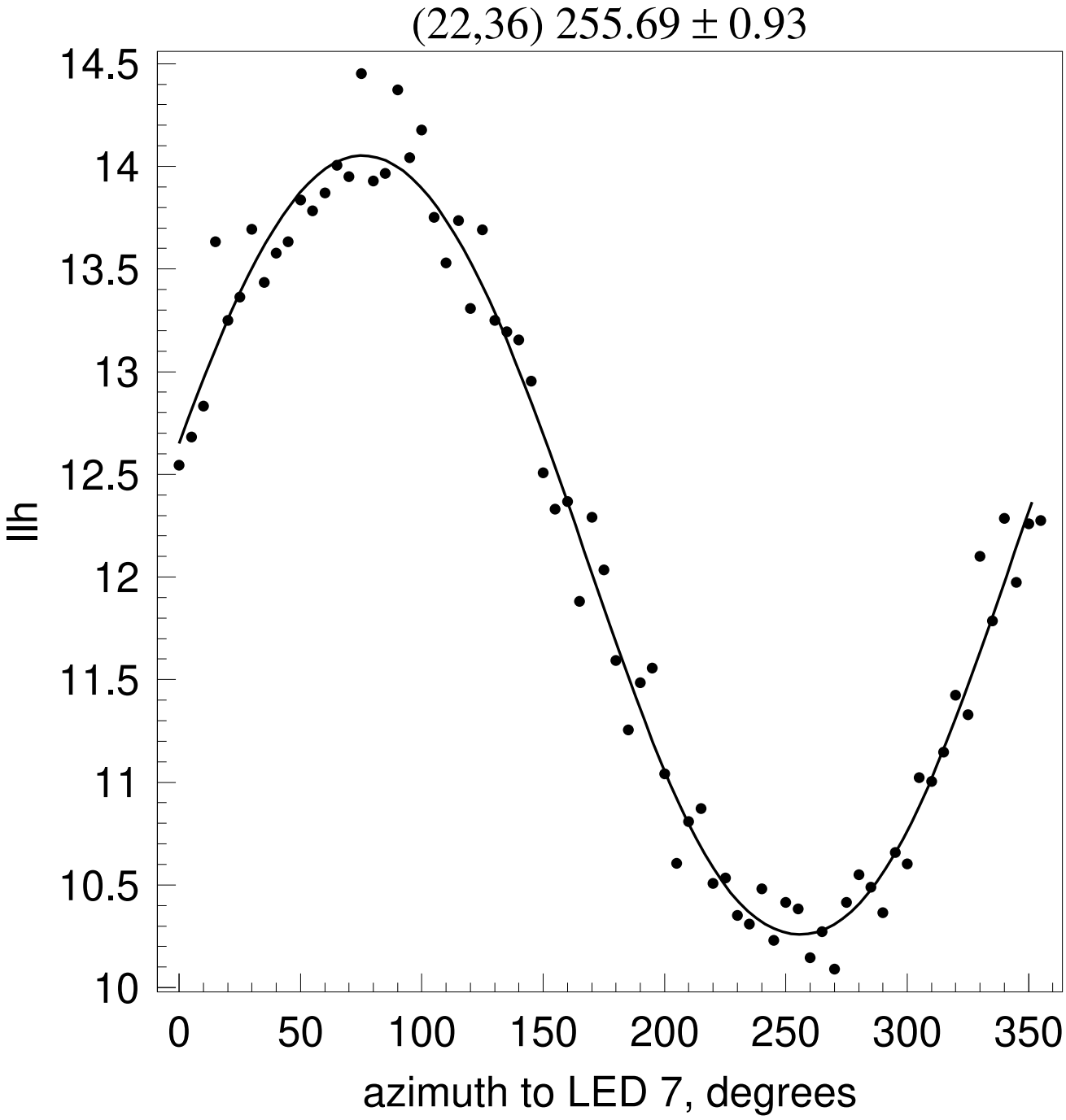

(21,38) 350.76 ± 3.32
30
29.5
29
28.5
28
27.5
27
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

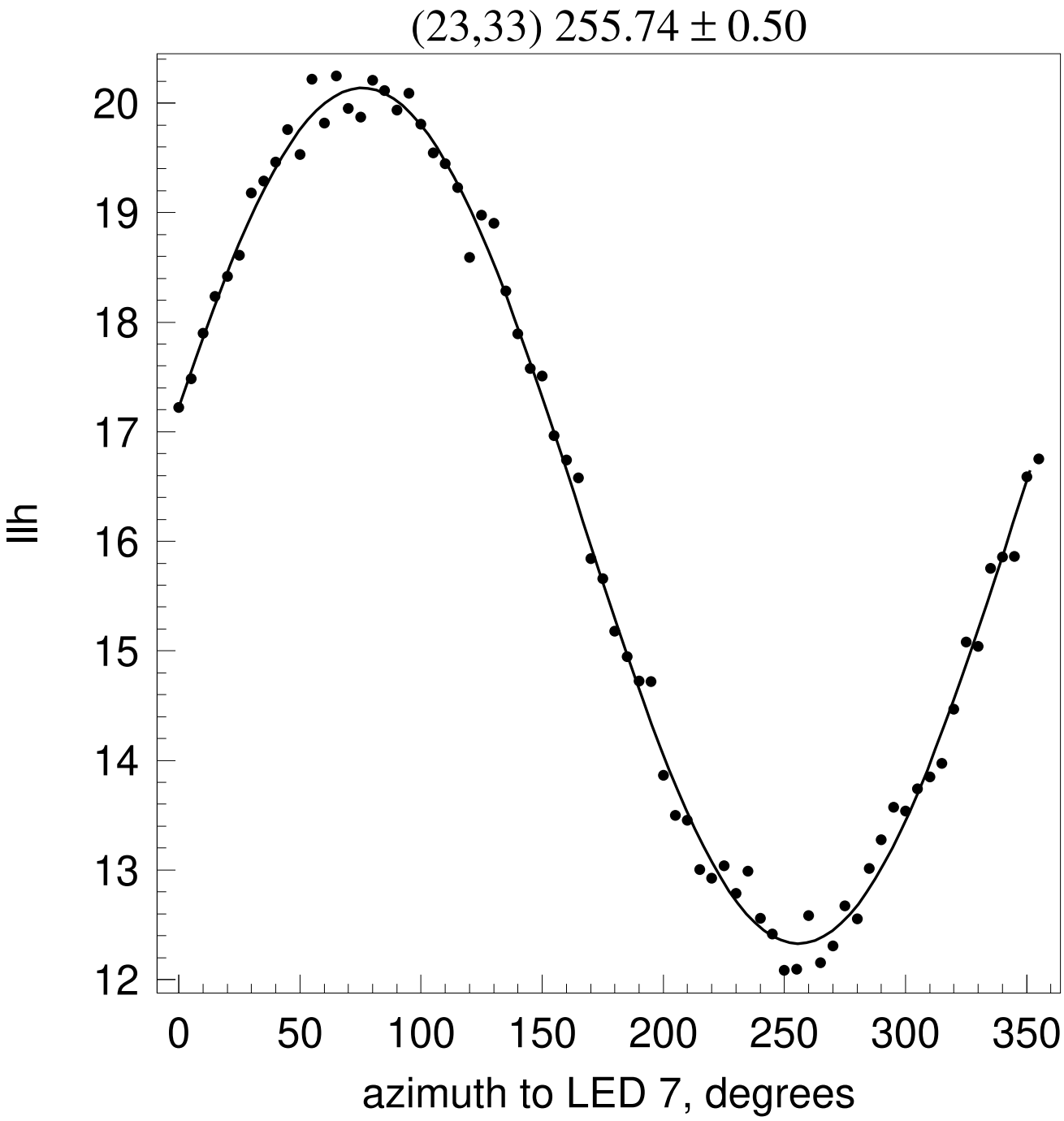

(22,32) 60.14 ± 0.85
30
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

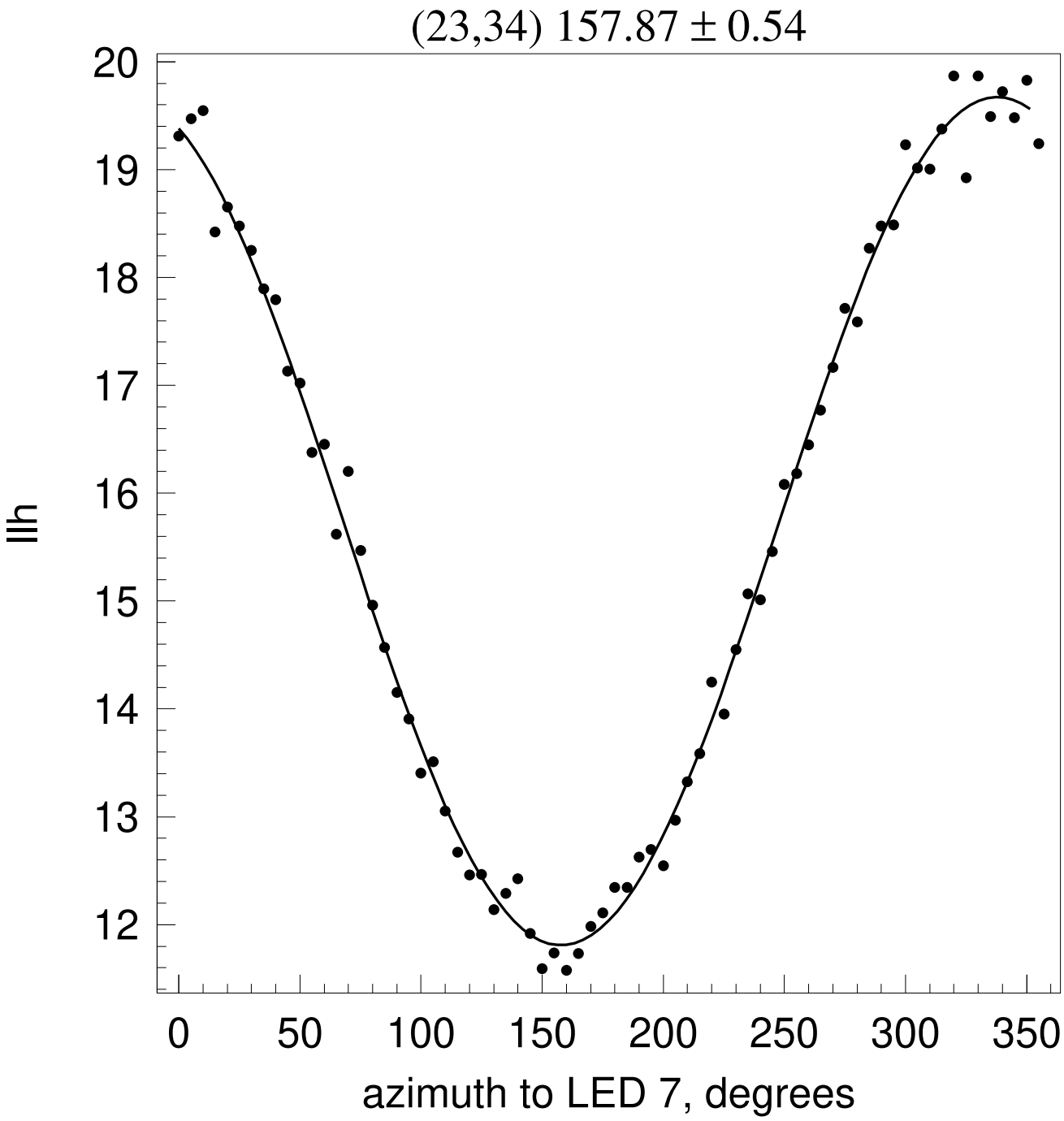

(22,33) 182.51 ± 0.51
26
24
22
20
18
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

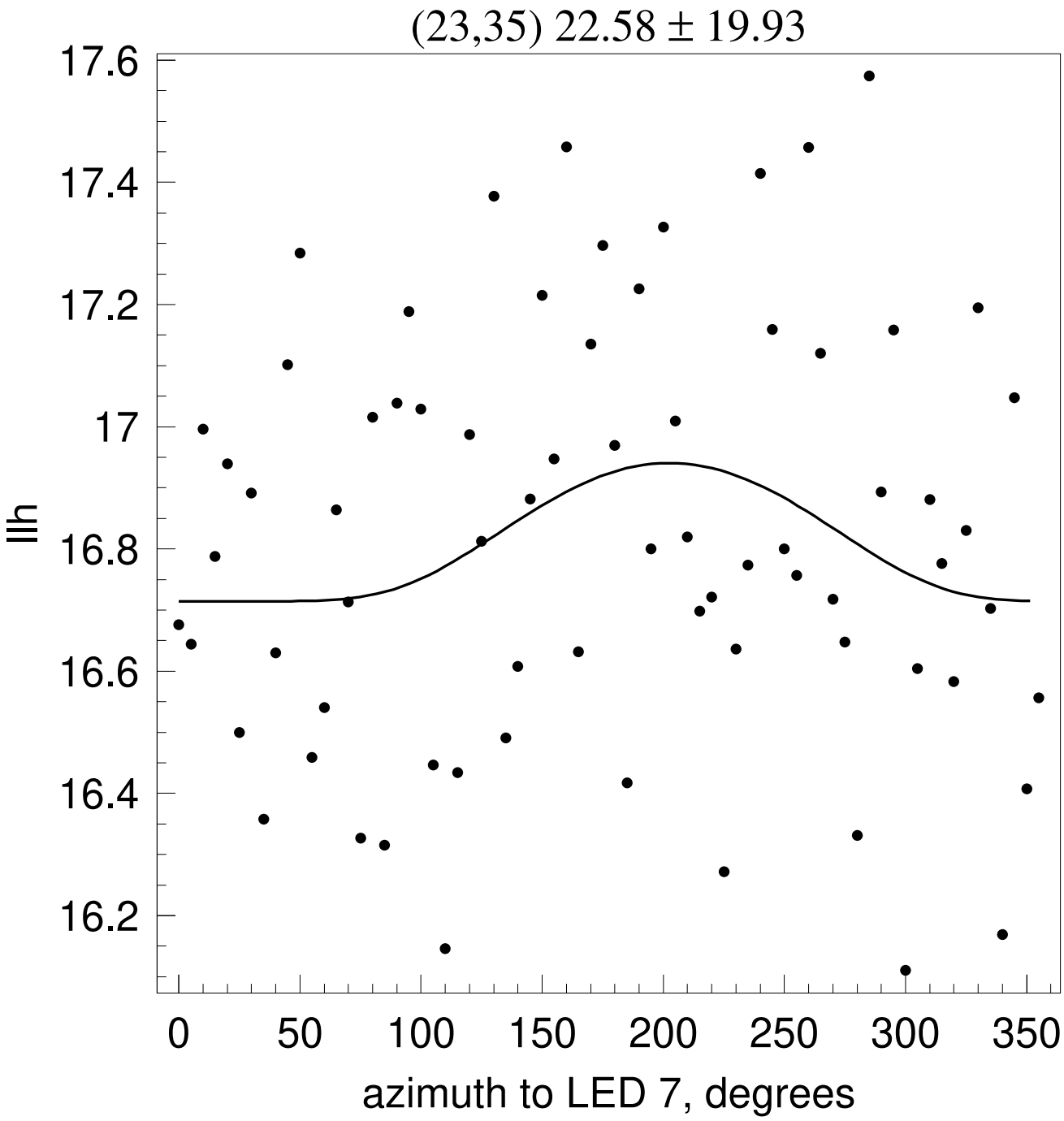

(22,34) 153.51 ± 0.00
21.5
21
20.5
20
19.5
19
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

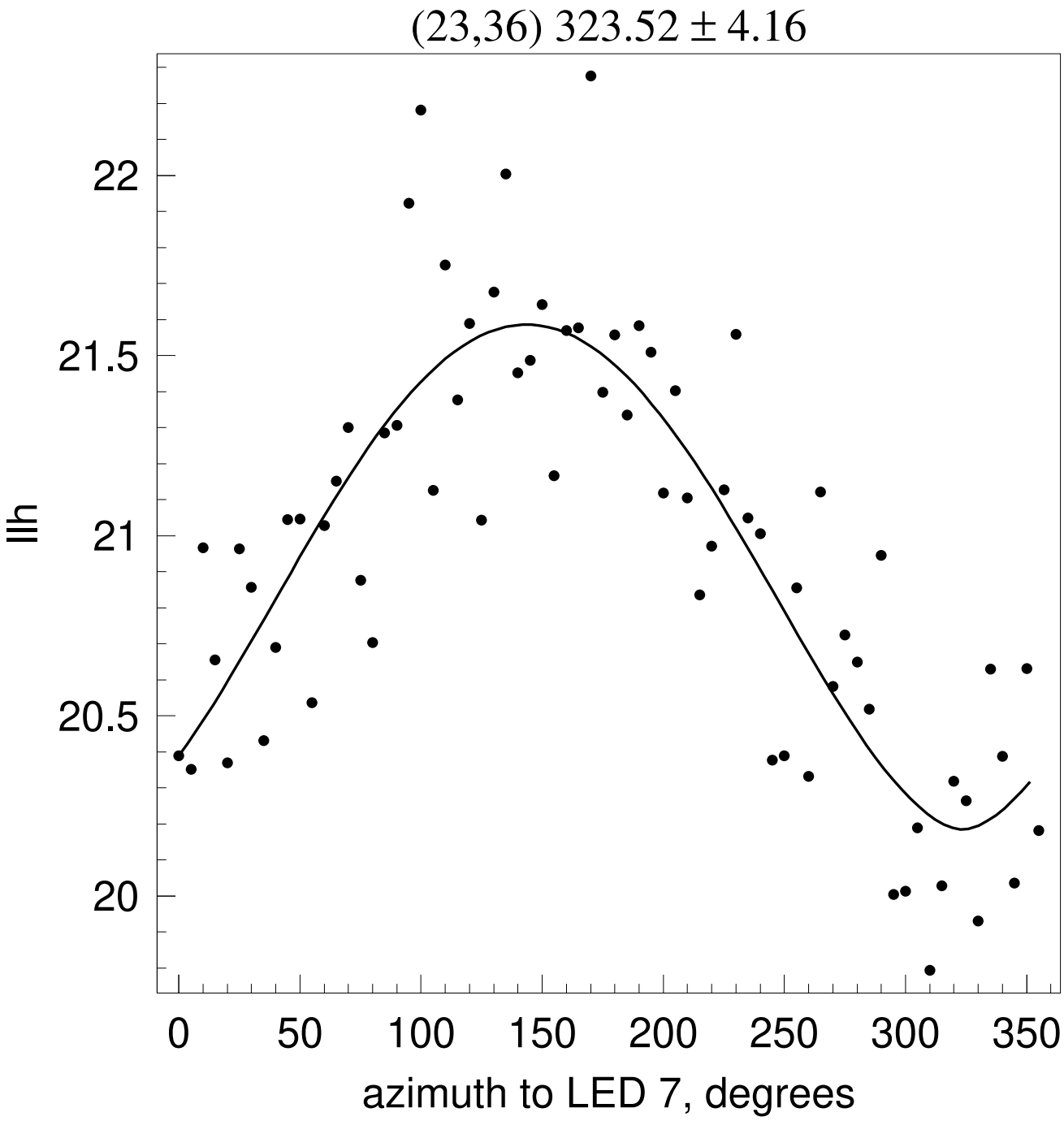

(22,35) 82.25 ± 52.05
20.6
20.4
20.2
20
19.8
19.6
19.4
19.2
19
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

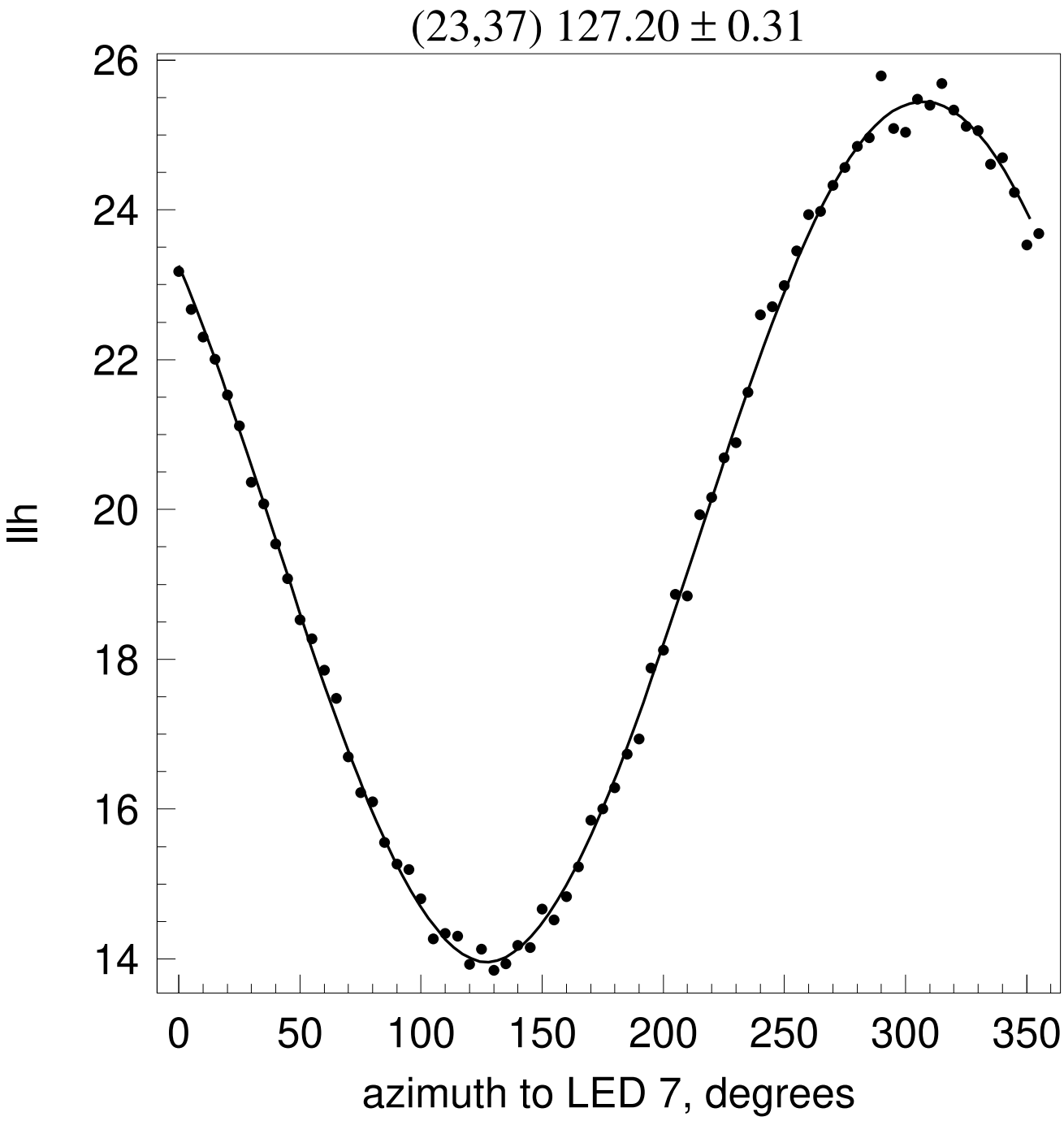

(22,36) 255.69 ± 0.93
14.5
14
13.5
13
12.5
12
11.5
11
10.5
10
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

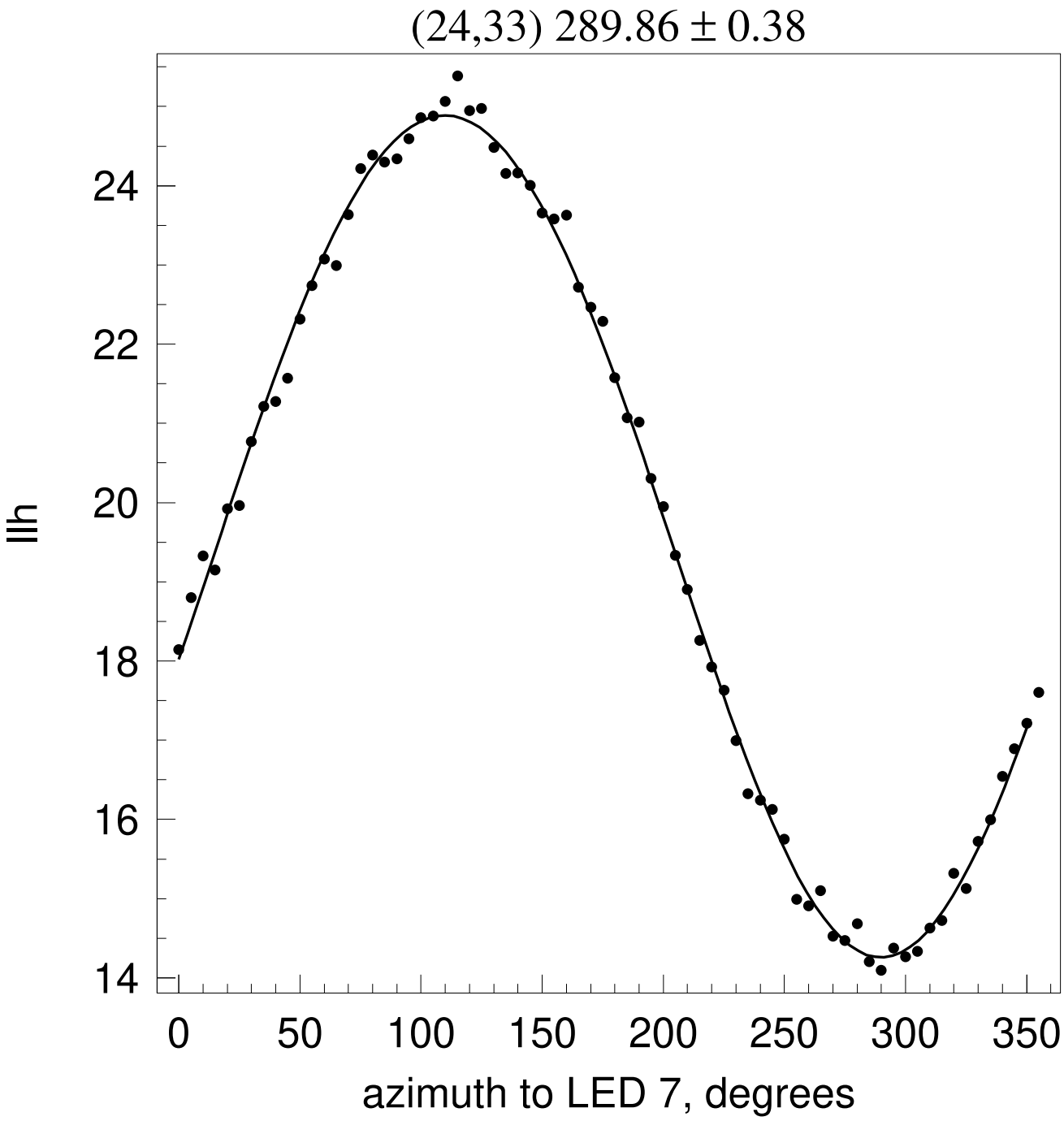

(23,33) 255.74 ± 0.50
20
19
18
17
16
15
14
13
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

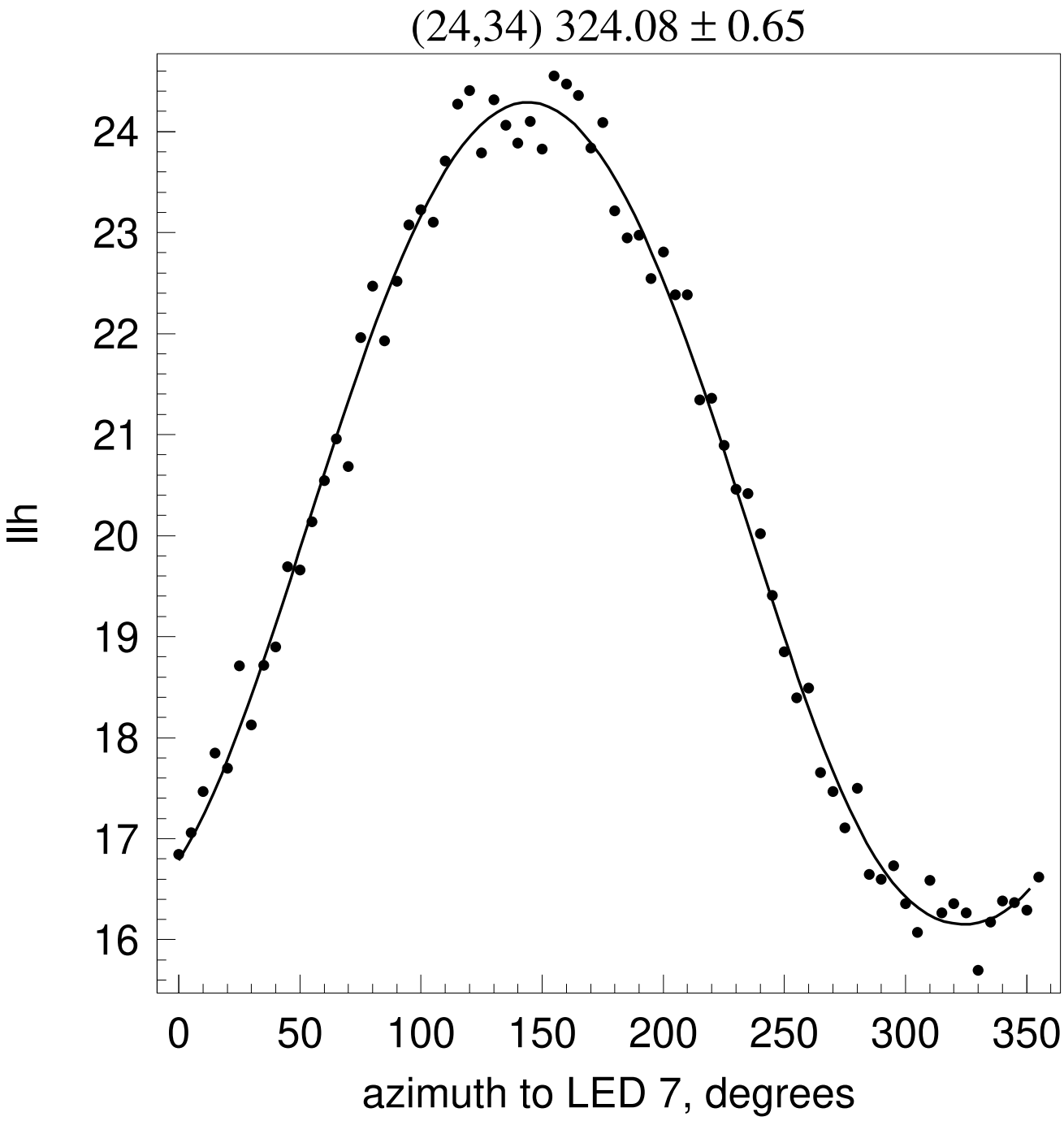

(23,34) 157.87 ± 0.54
20
19
18
17
16
15
14
13
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

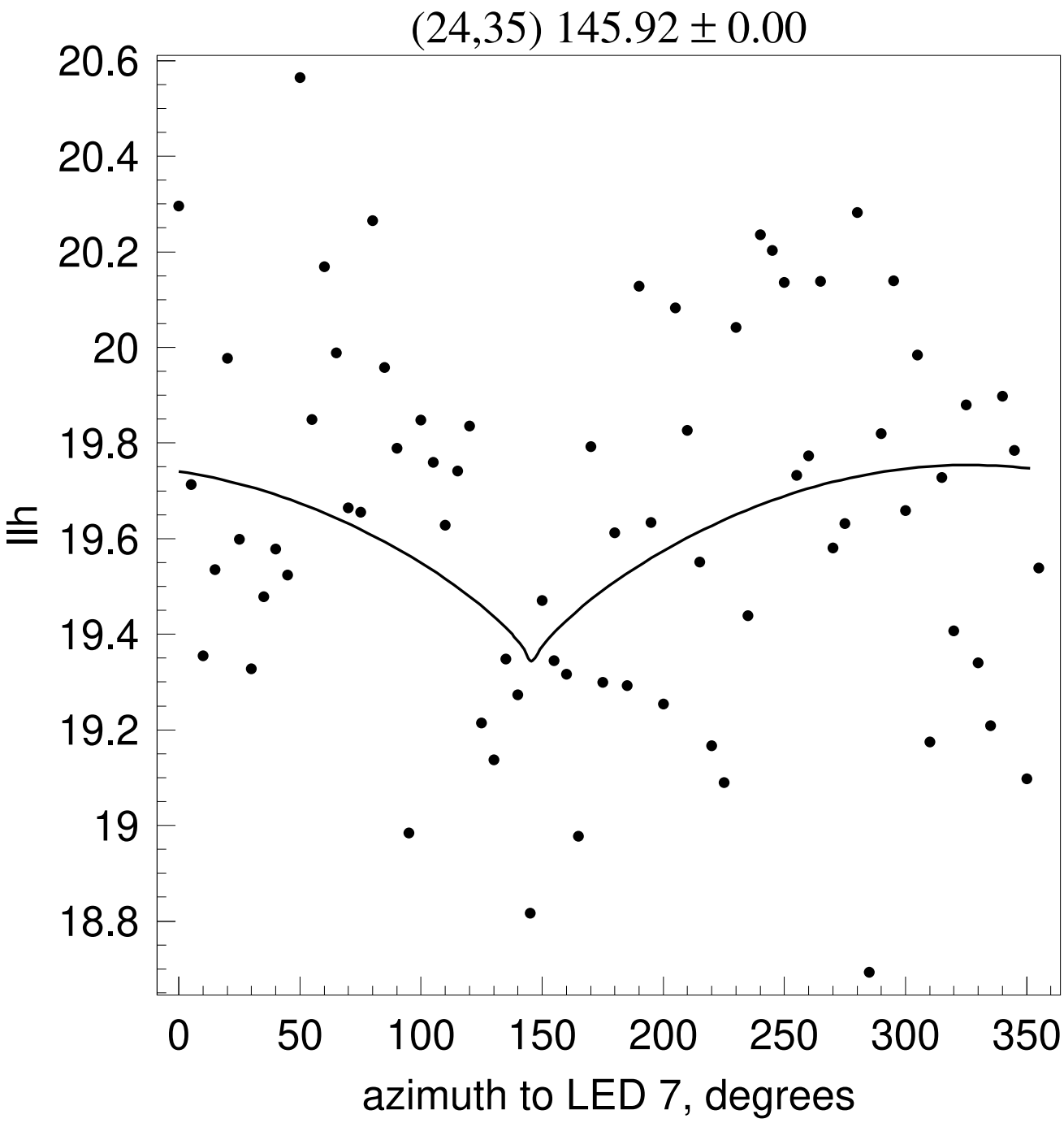

(23,35) 22.58 ± 19.93
17.6
17.4
17.2
17
16.8
16.6
16.4
16.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

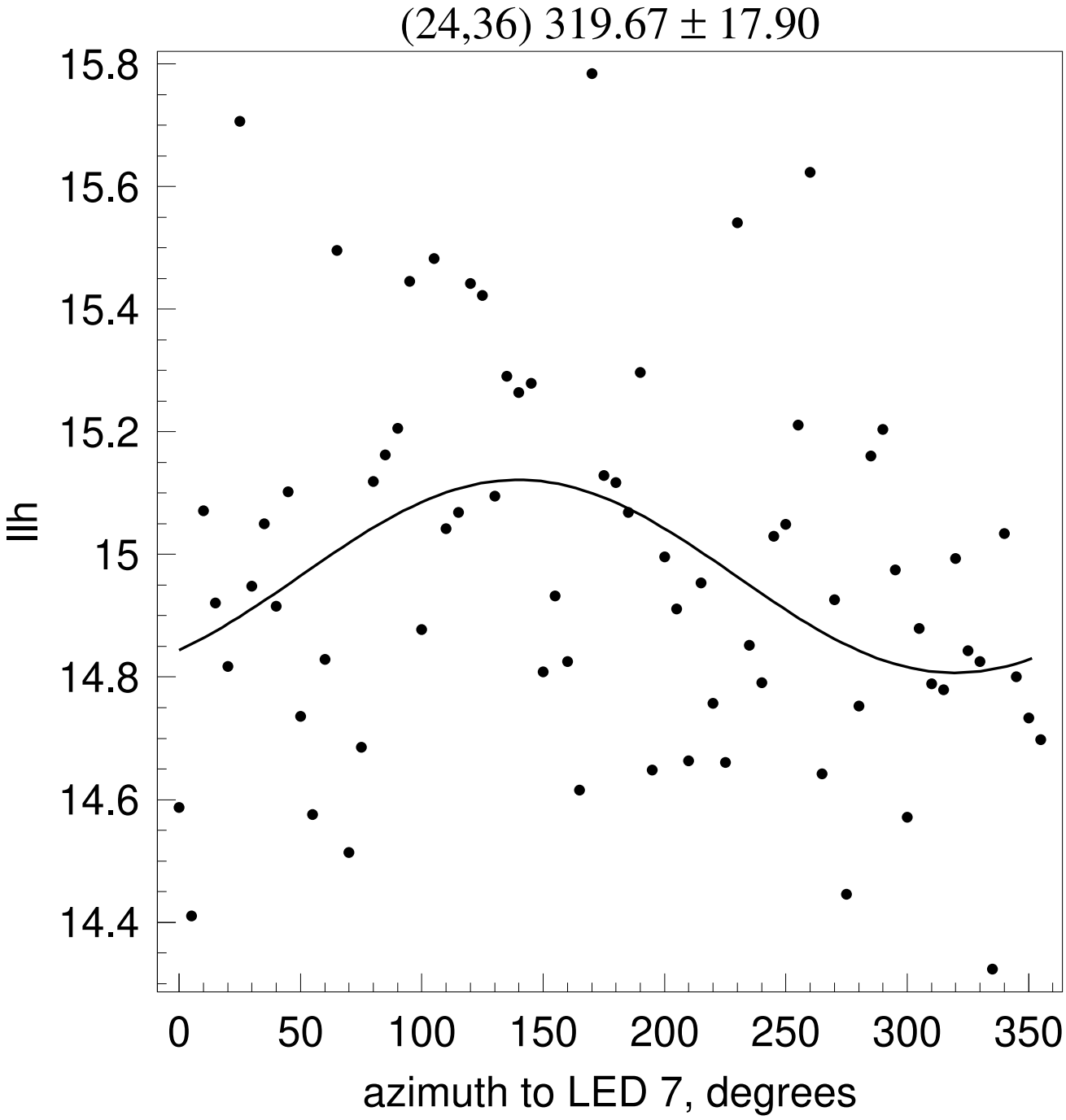

(23,36) 323.52 ± 4.16
22
21.5
21
20.5
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

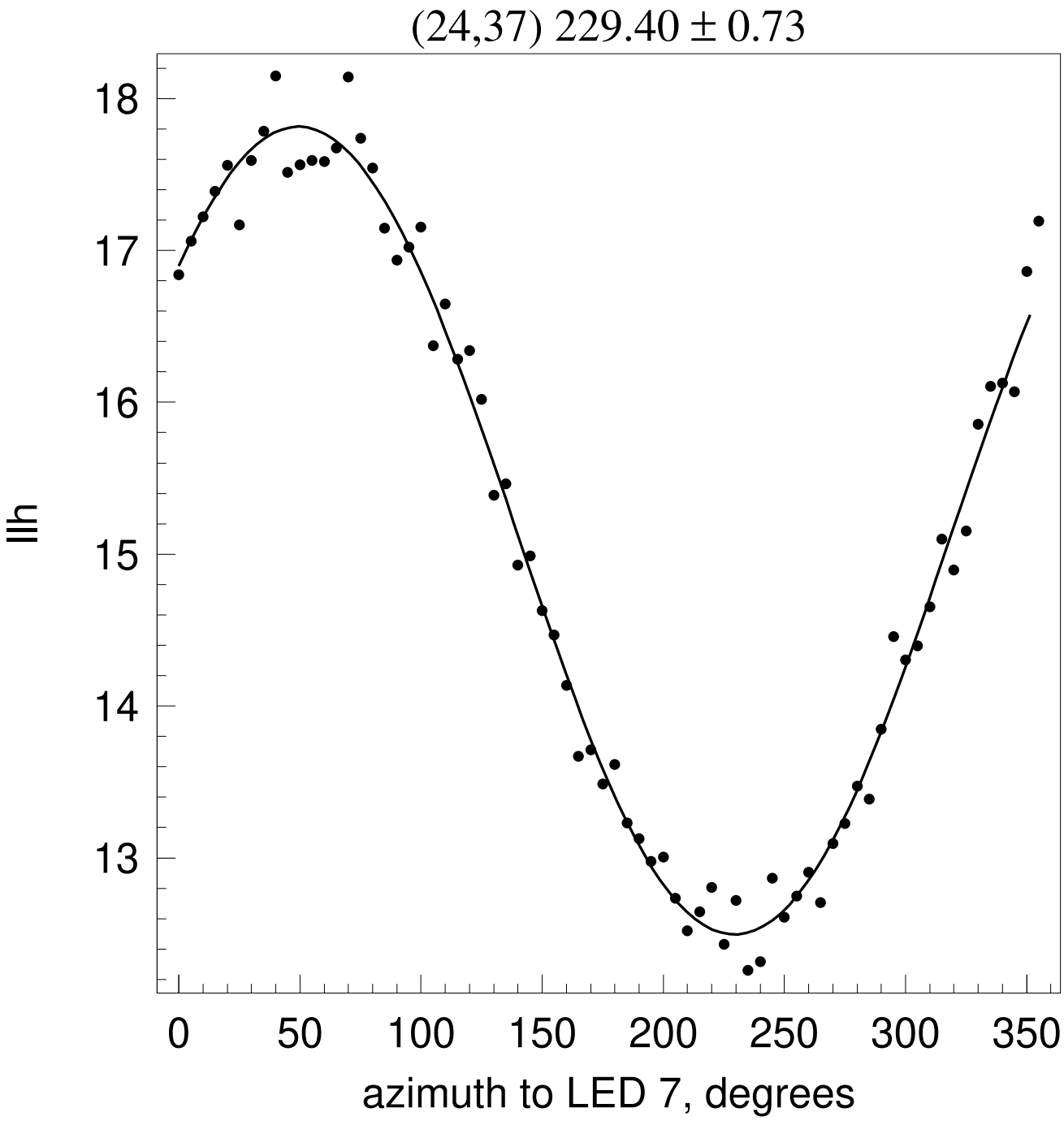

(23,37) 127.20 ± 0.31
26
24
22
20
18
16
14
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

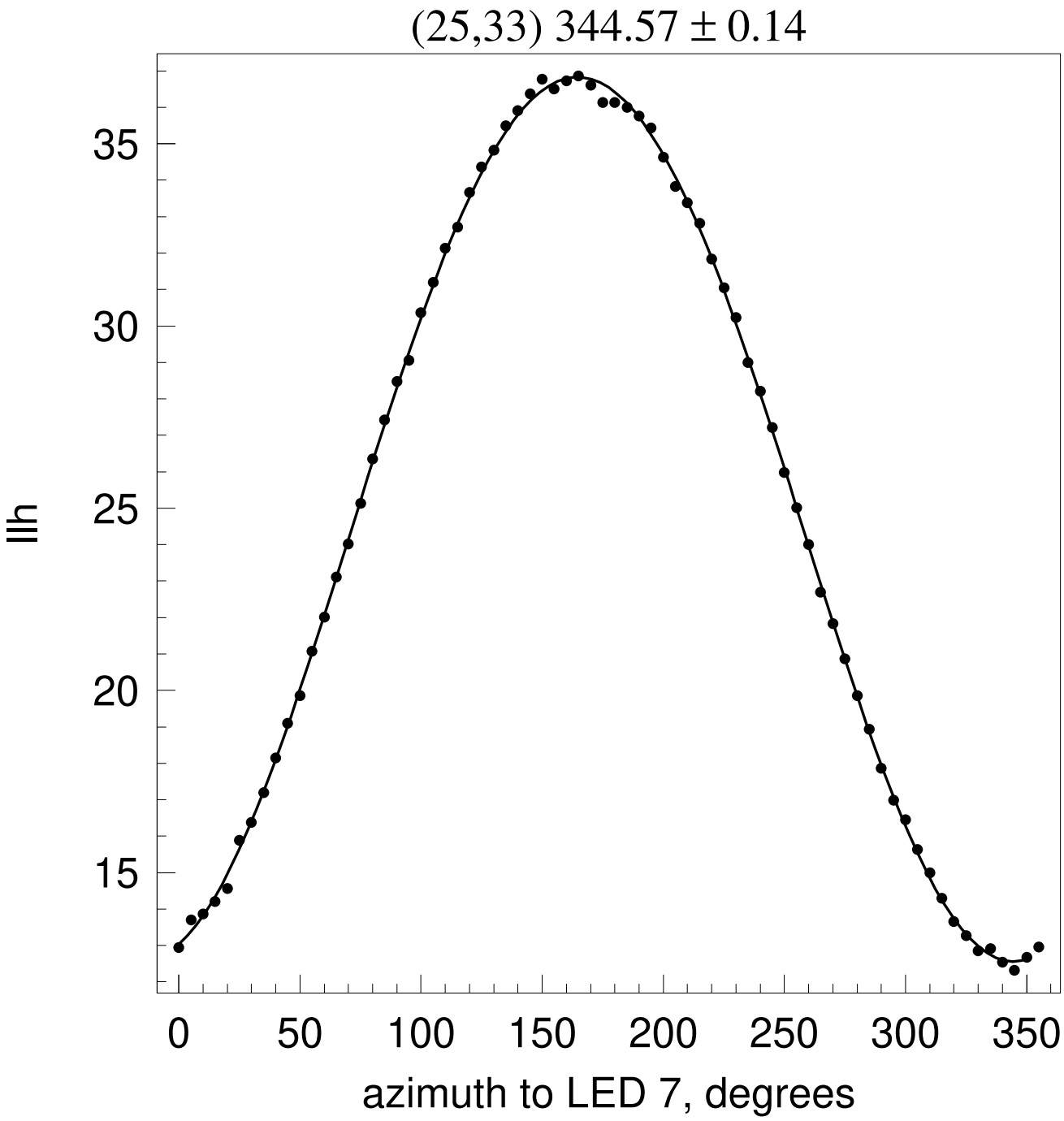

(24,33) 289.86 ± 0.38
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

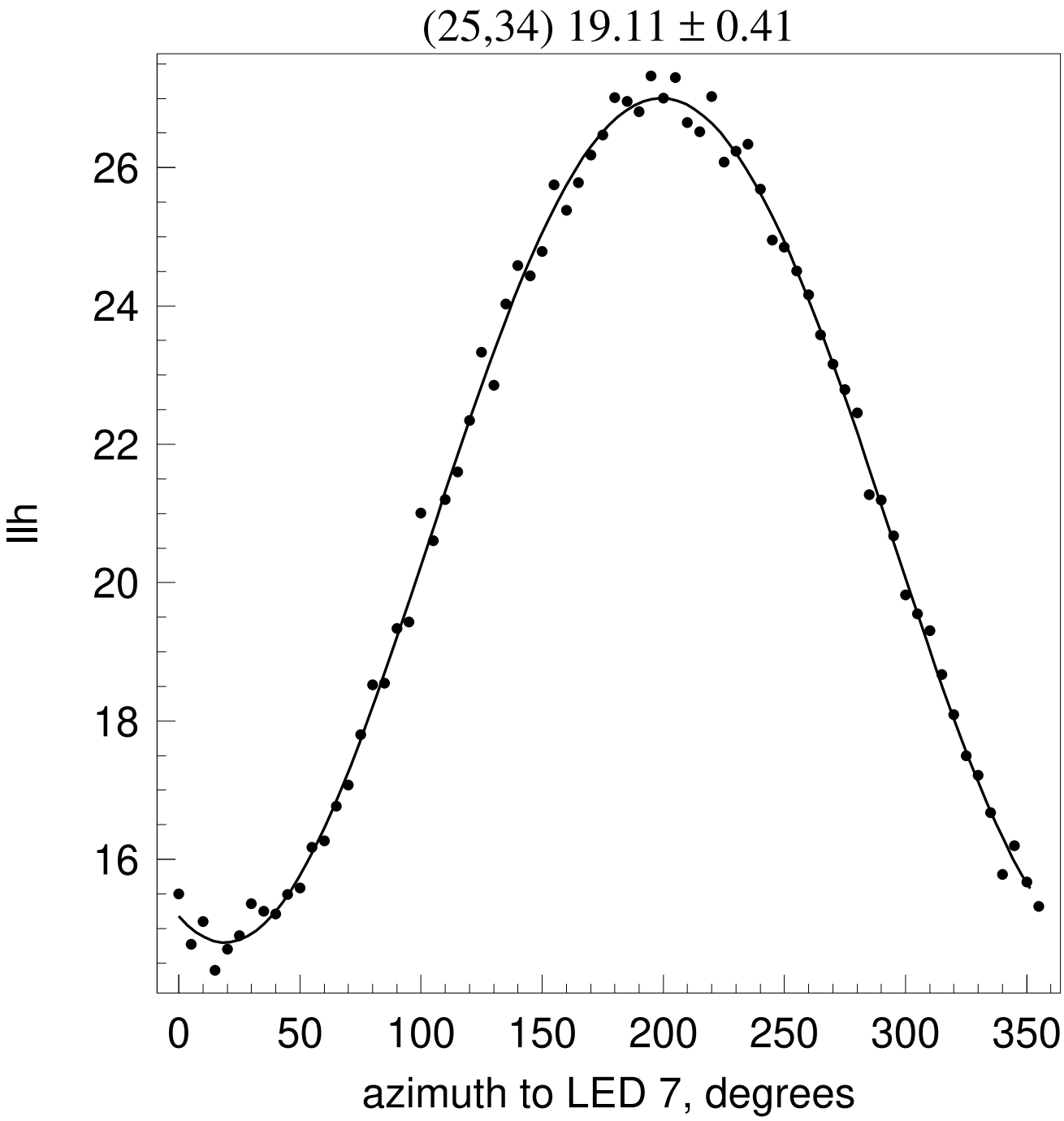

(24,34) 324.08 ± 0.65
24
23
22
21
20
19
18
17
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

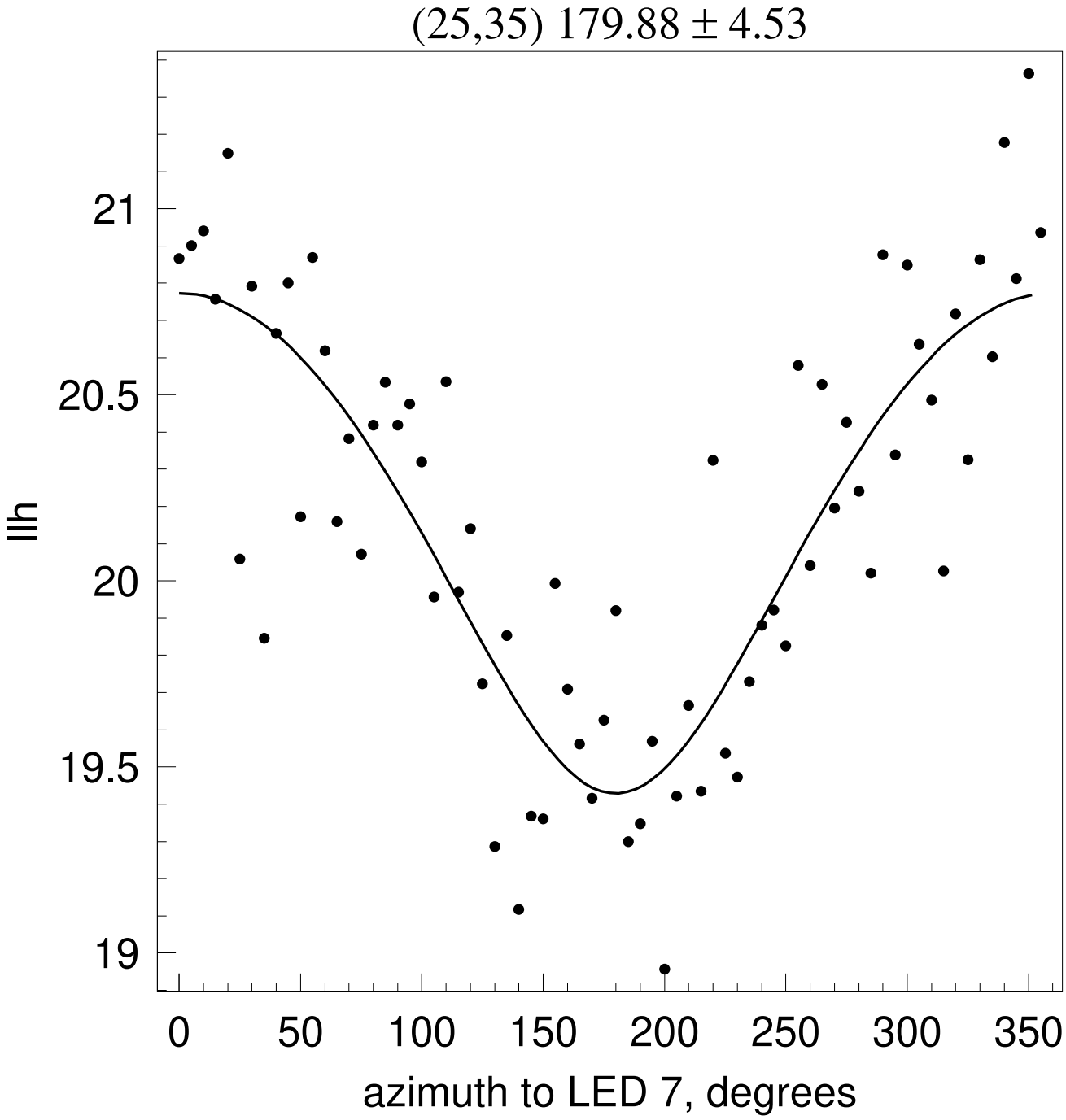

(24,35) 145.92 ± 0.00
20.6
20.4
20.2
20
19.8
19.6
19.4
19.2
19
18.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

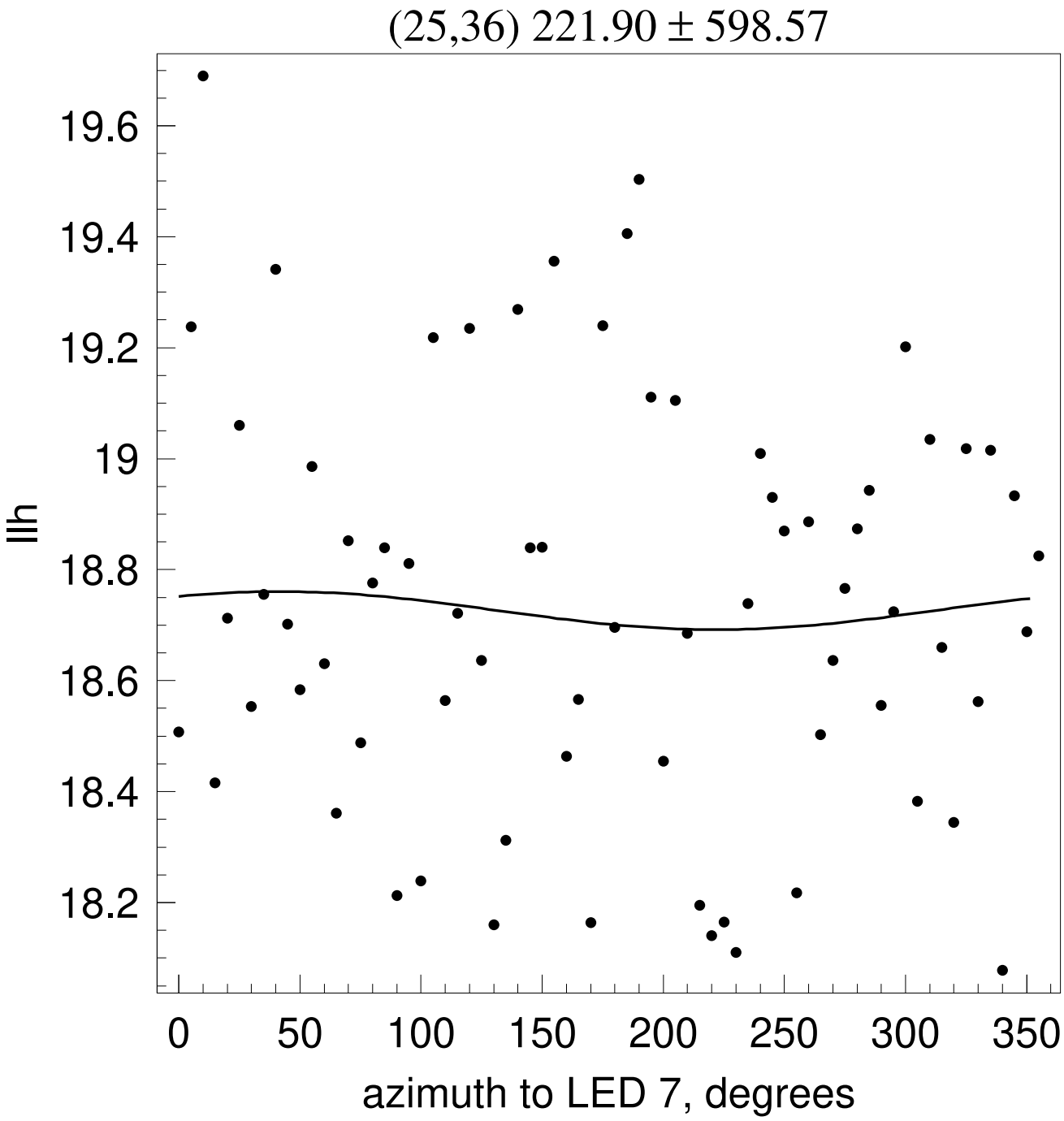

(24,36) 319.67 ± 17.90
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

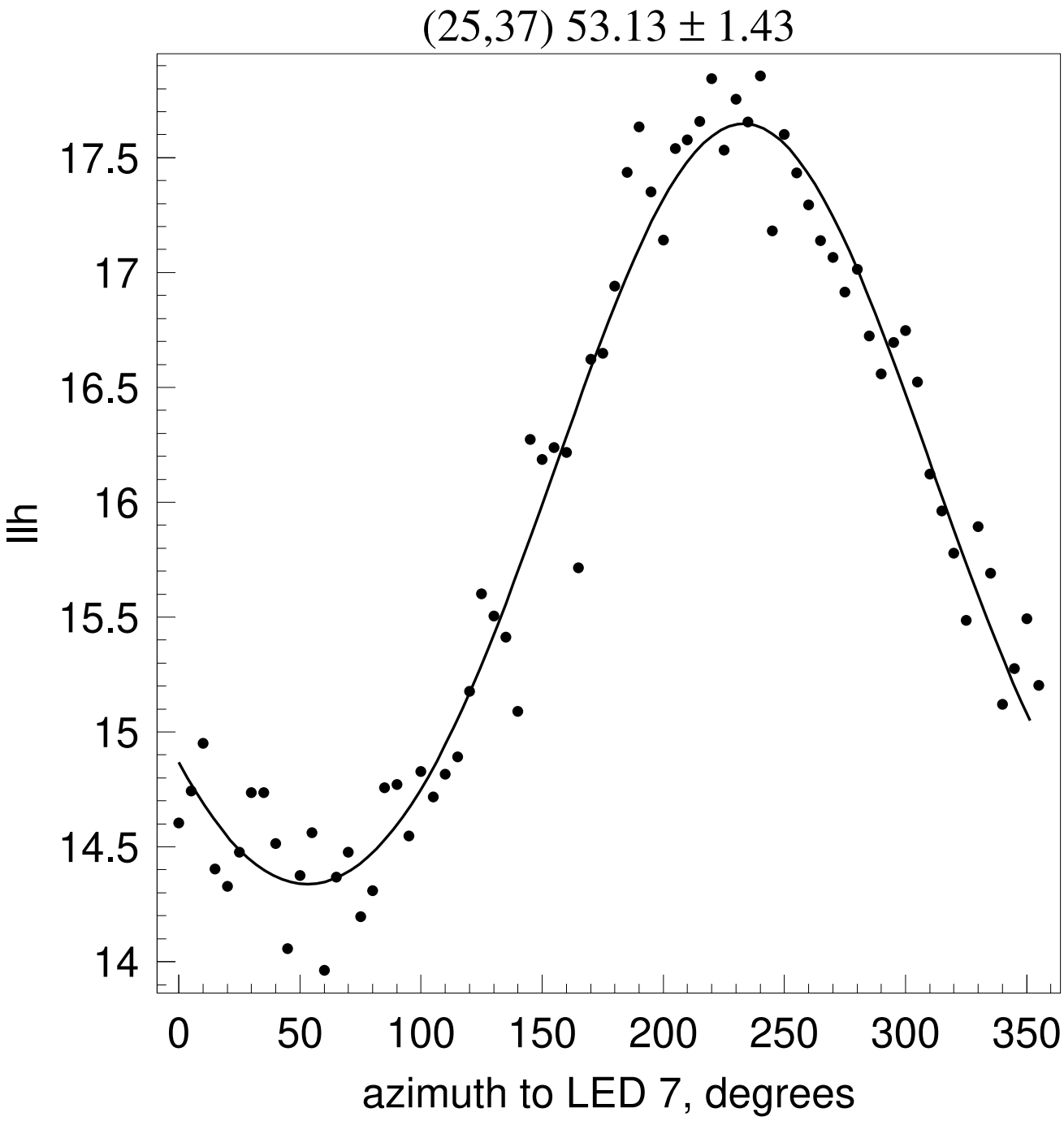

(24,37) 229.40 ± 0.73
18
17
16
15
14
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

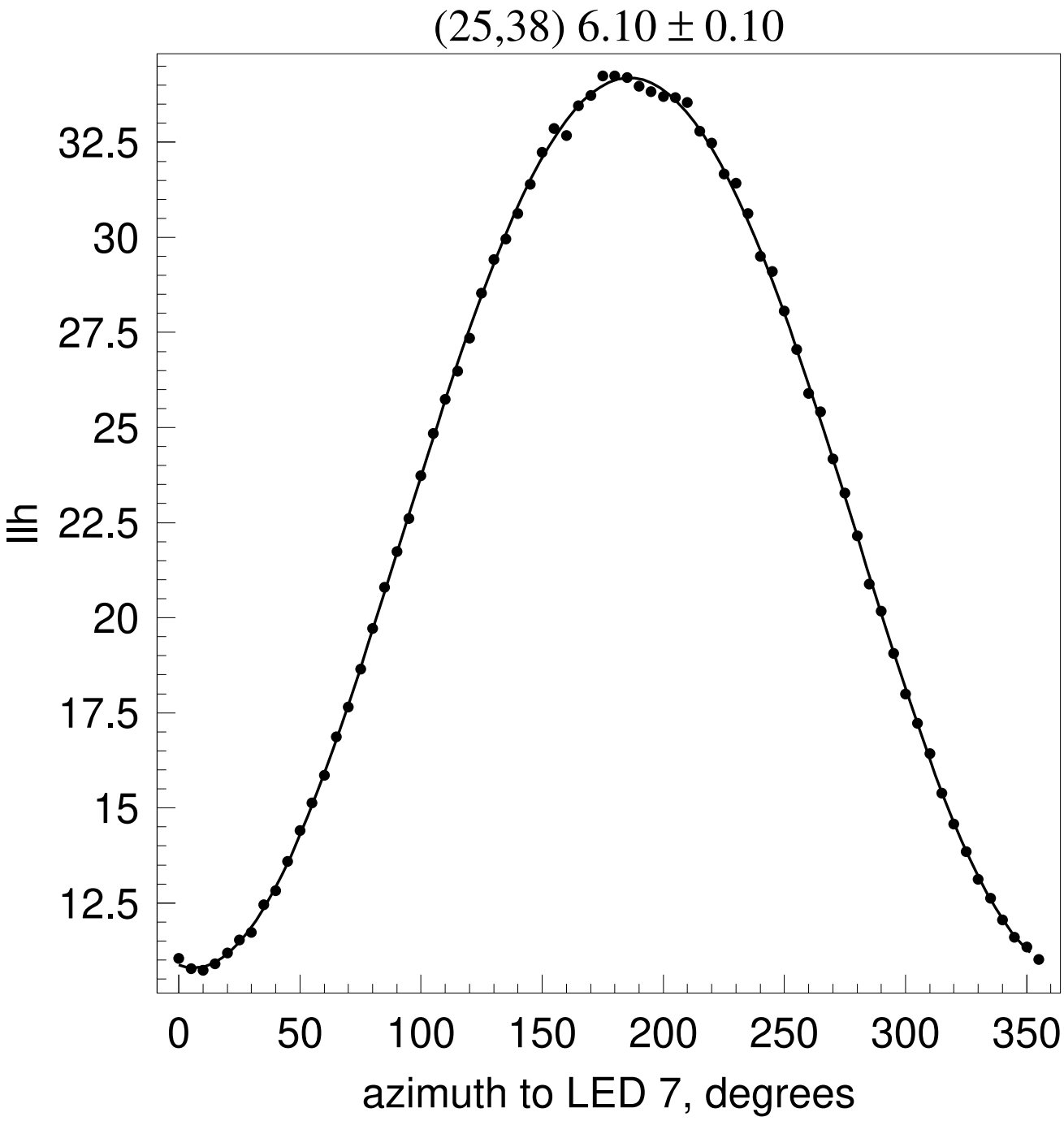

(25,33) 344.57 ± 0.14
35
30
25
20
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

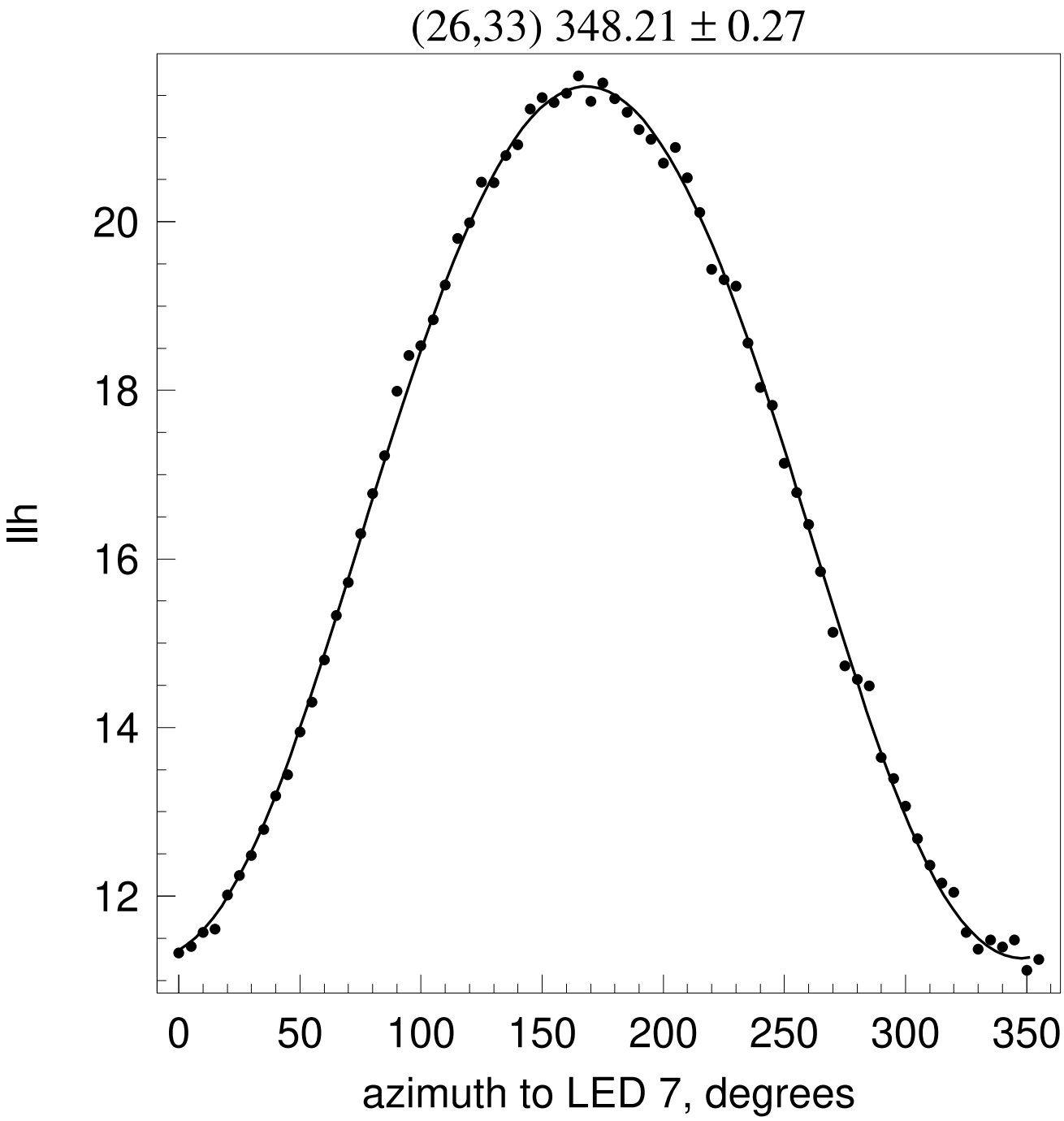

(25,34) 19.11 ± 0.41
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

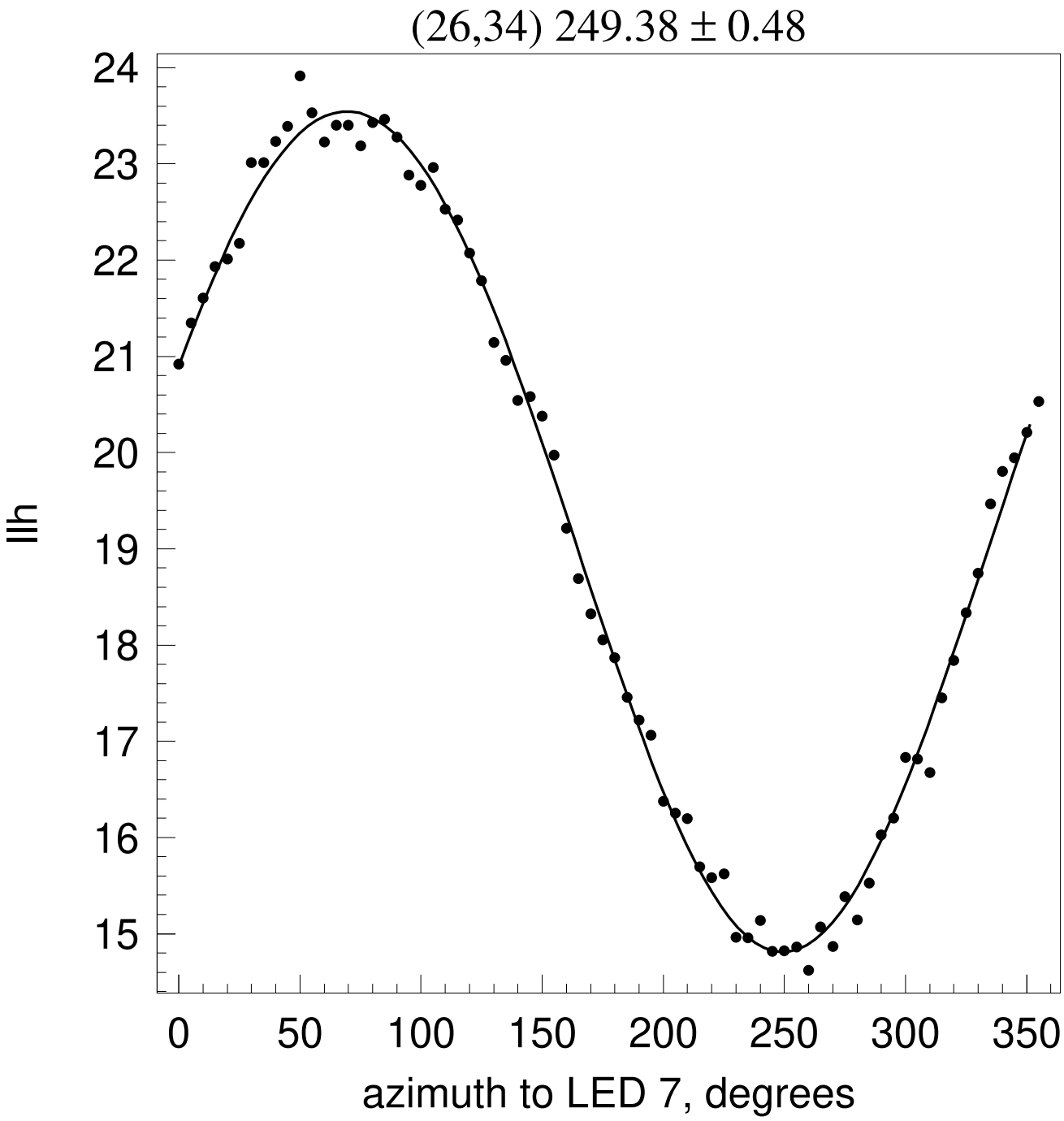

(25,35) 179.88 ± 4.53
21
20.5
20
19.5
19
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

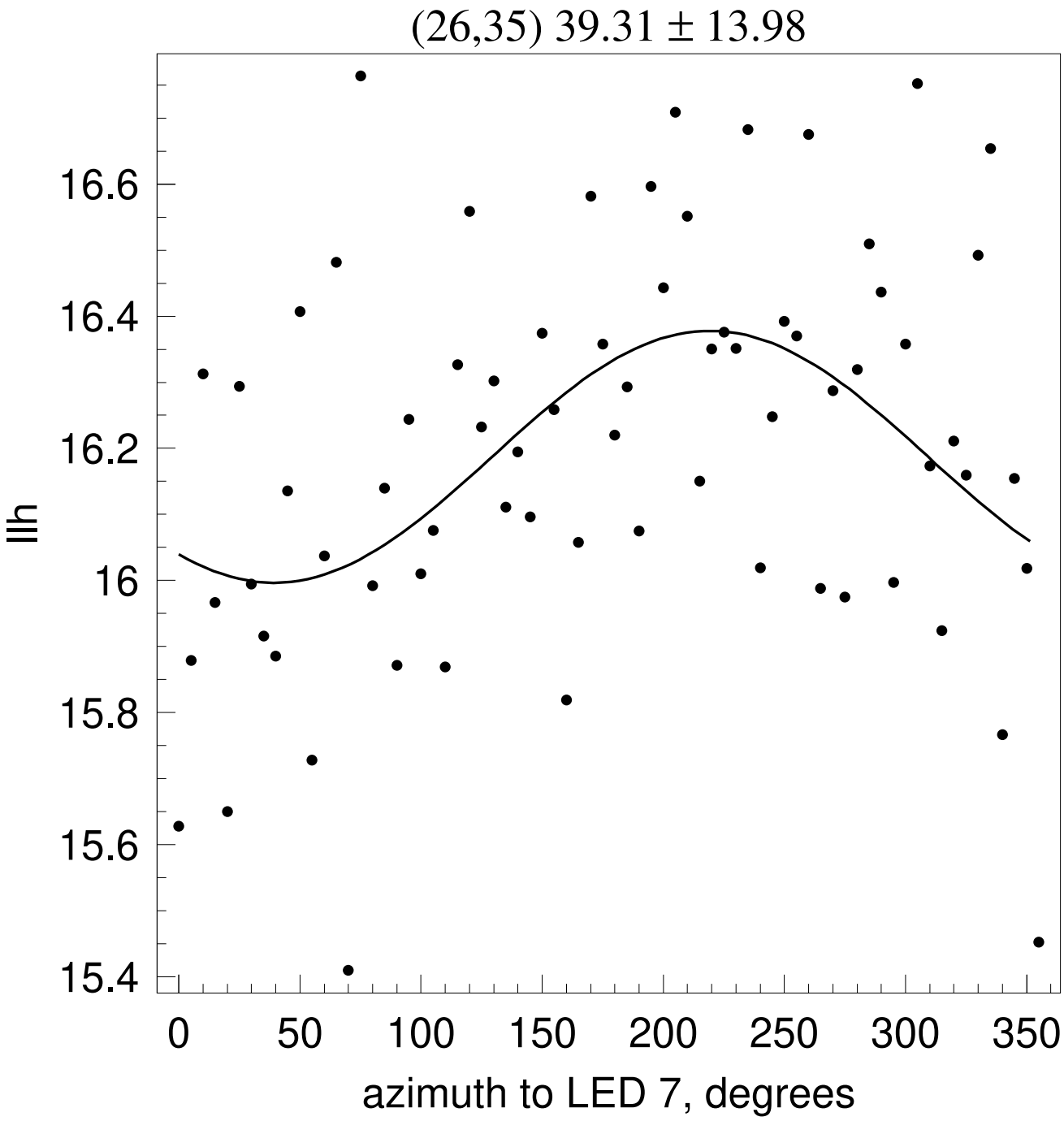

(25,36) 221.90 ± 598.57
19.6
19.4
19.2
19
18.8
18.6
18.4
18.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

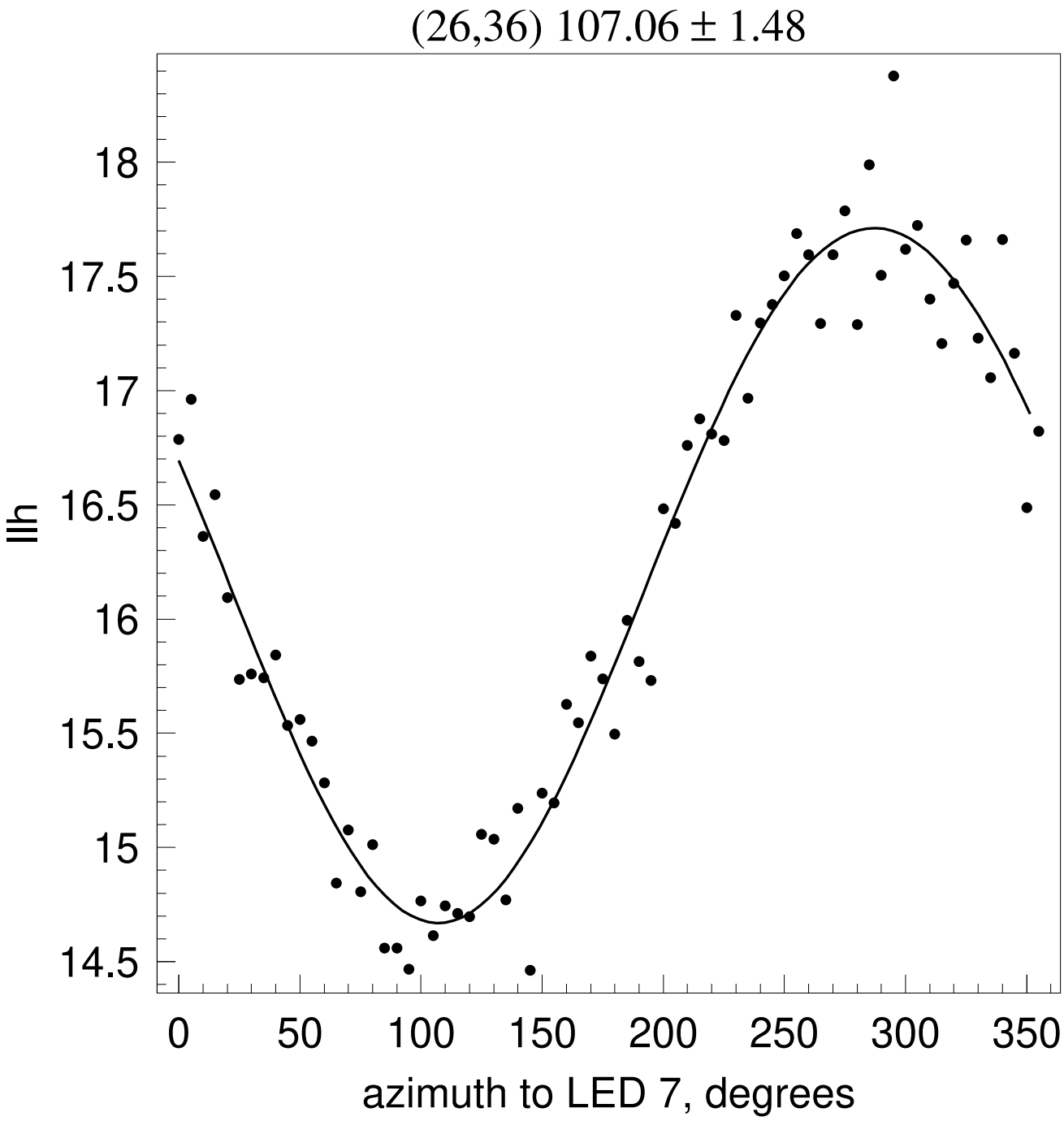

(25,37) 53.13 ± 1.43
17.5
17
16.5
16
15.5
15
14.5
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

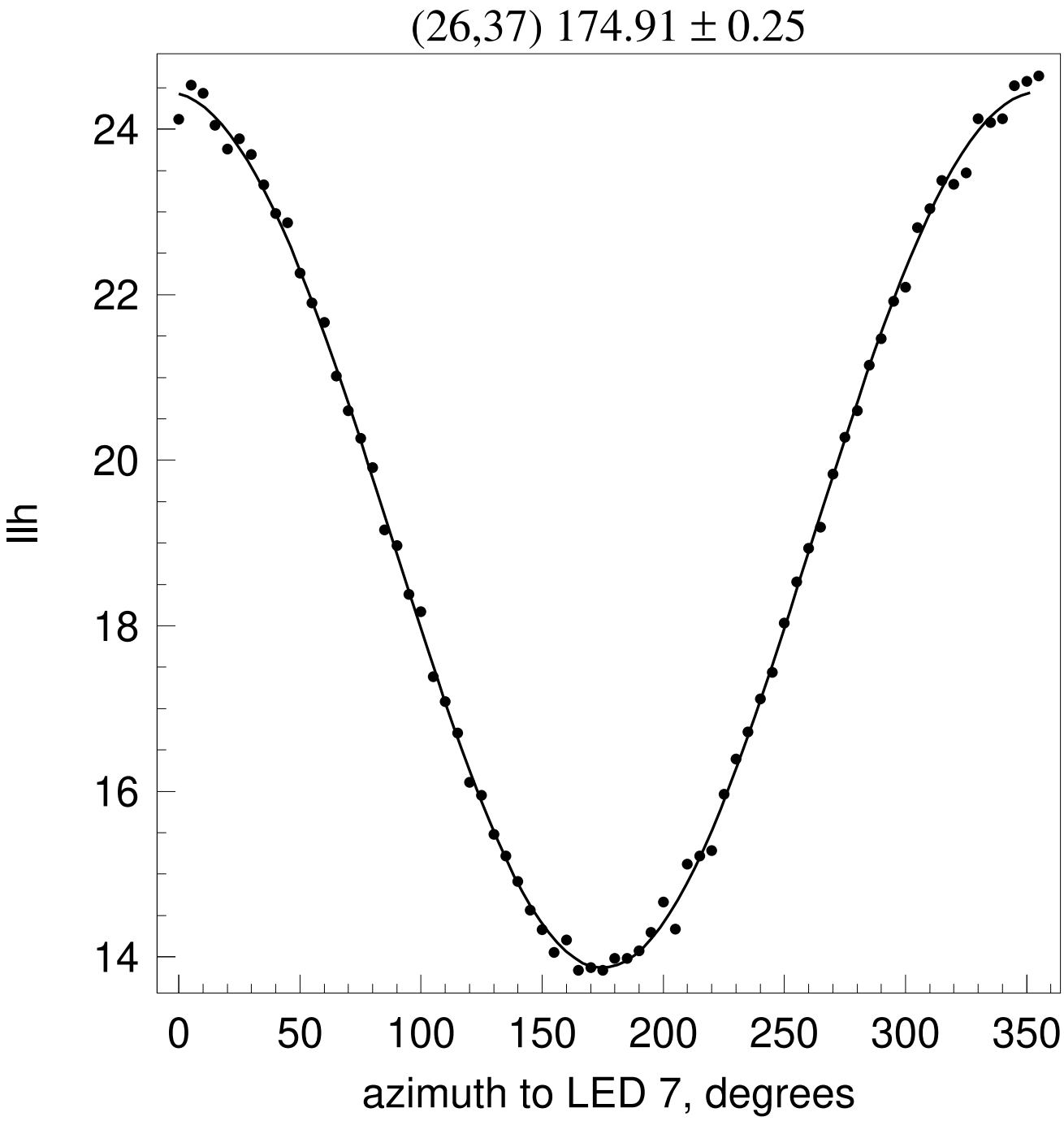

(25,38) 6.10 ± 0.10
32.5
30
27.5
25
22.5
20
17.5
15
12.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

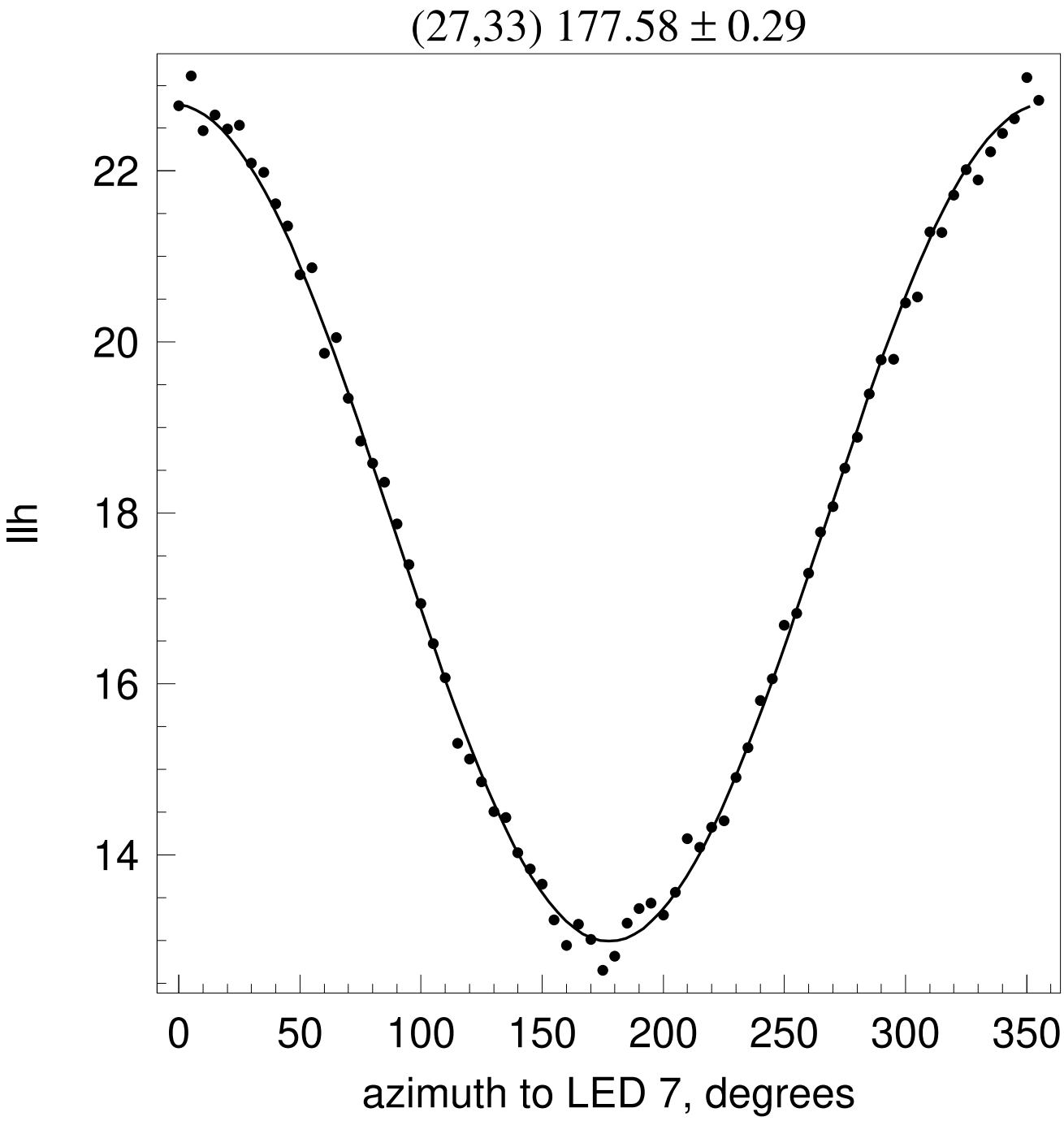

(26,33) 348.21 ± 0.27
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

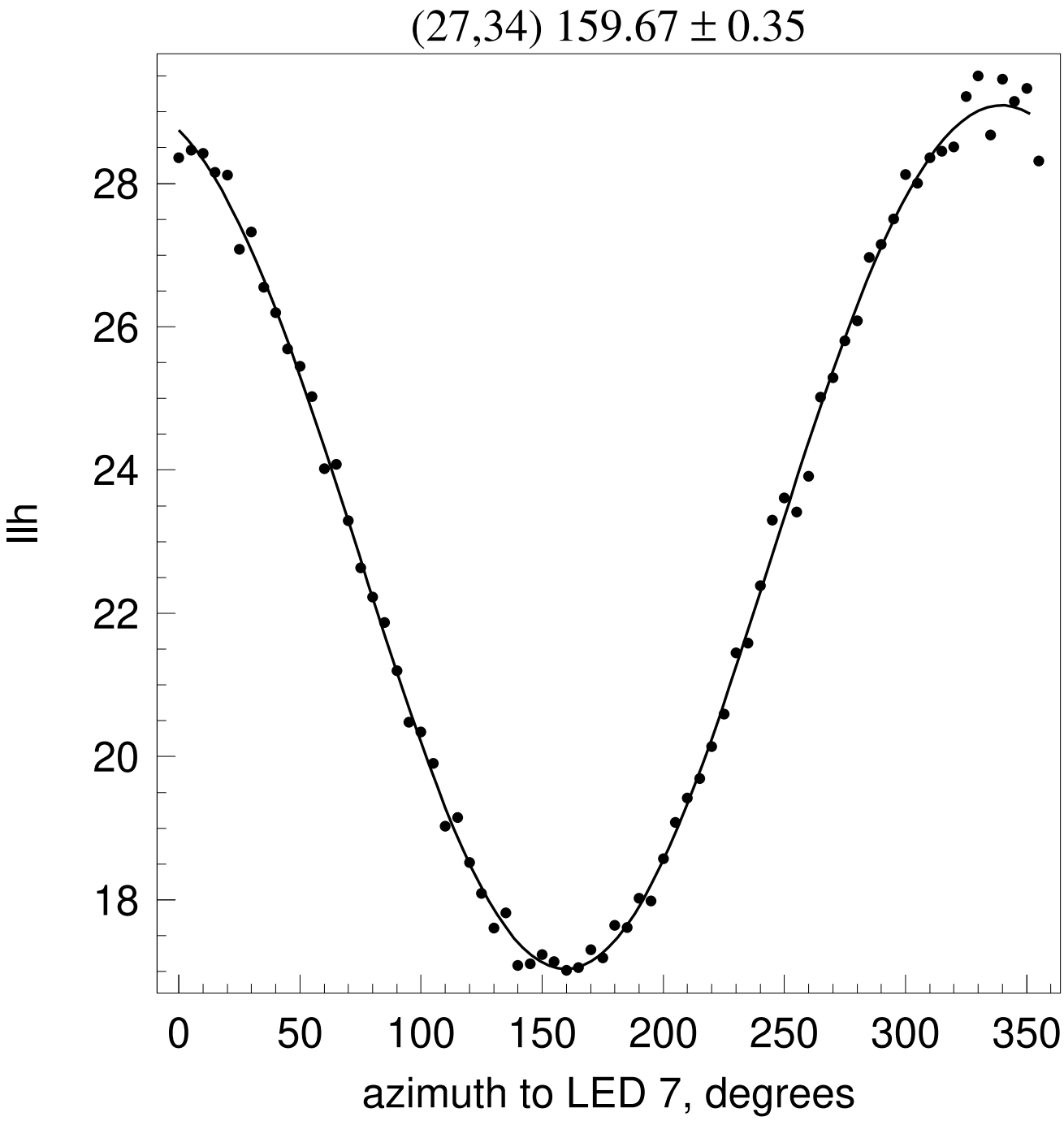

(26,34) 249.38 ± 0.48
24
23
22
21
20
19
18
17
16
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

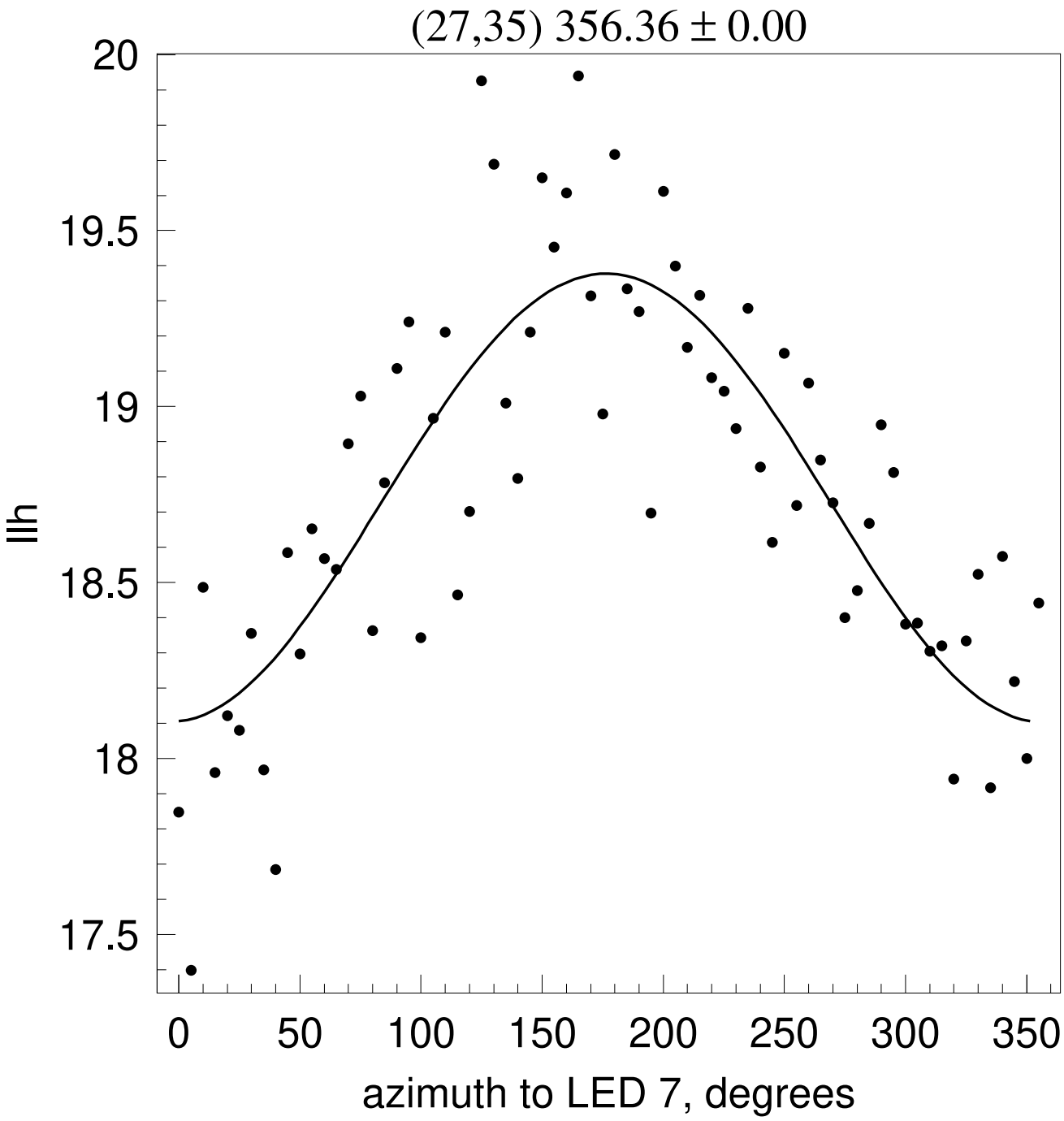

(26,35) 39.31 ± 13.98
16.6
16.4
16.2
16
15.8
15.6
15.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

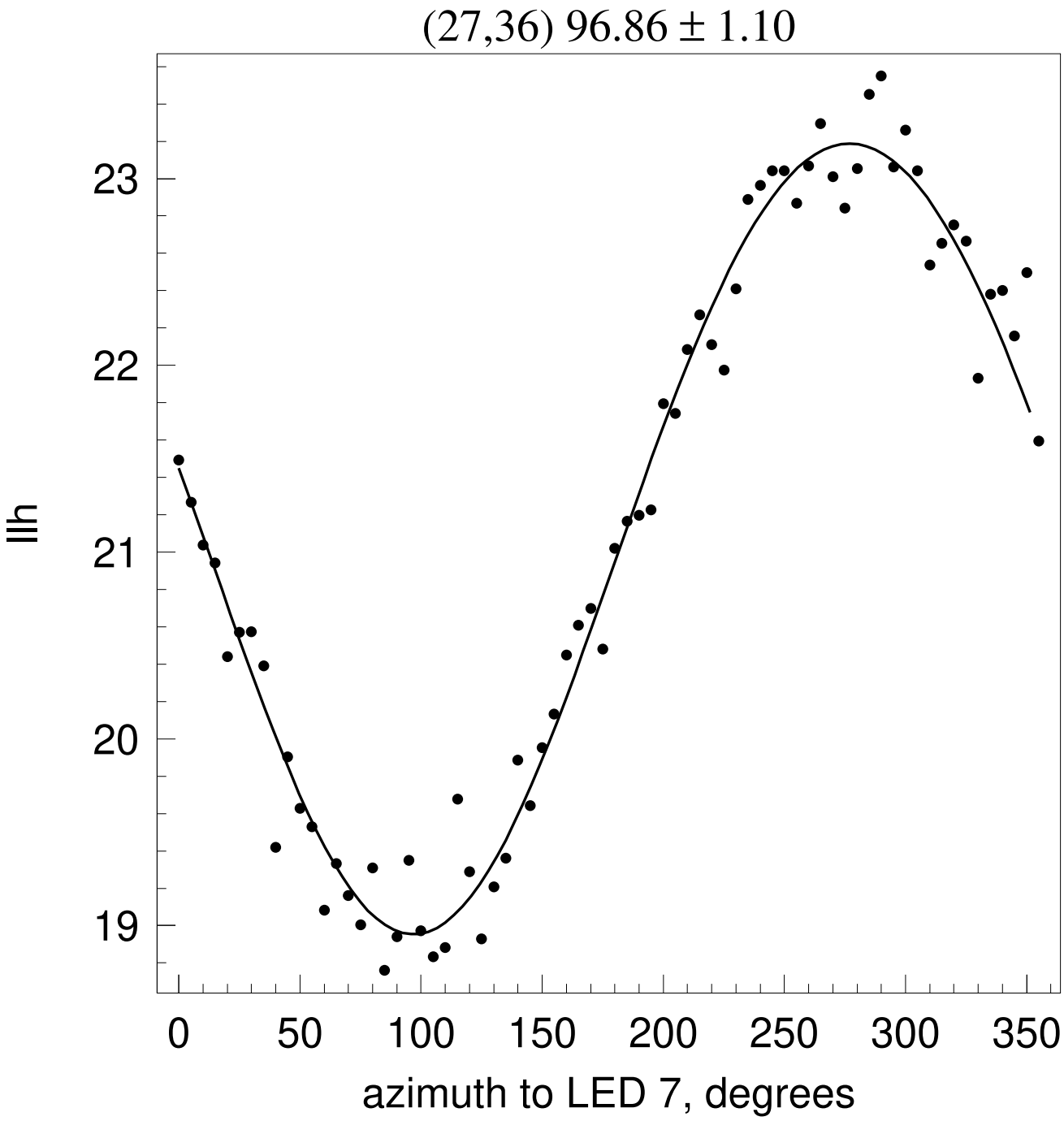

(26,36) 107.06 ± 1.48
18
17.5
17
16.5
16
15.5
15
14.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

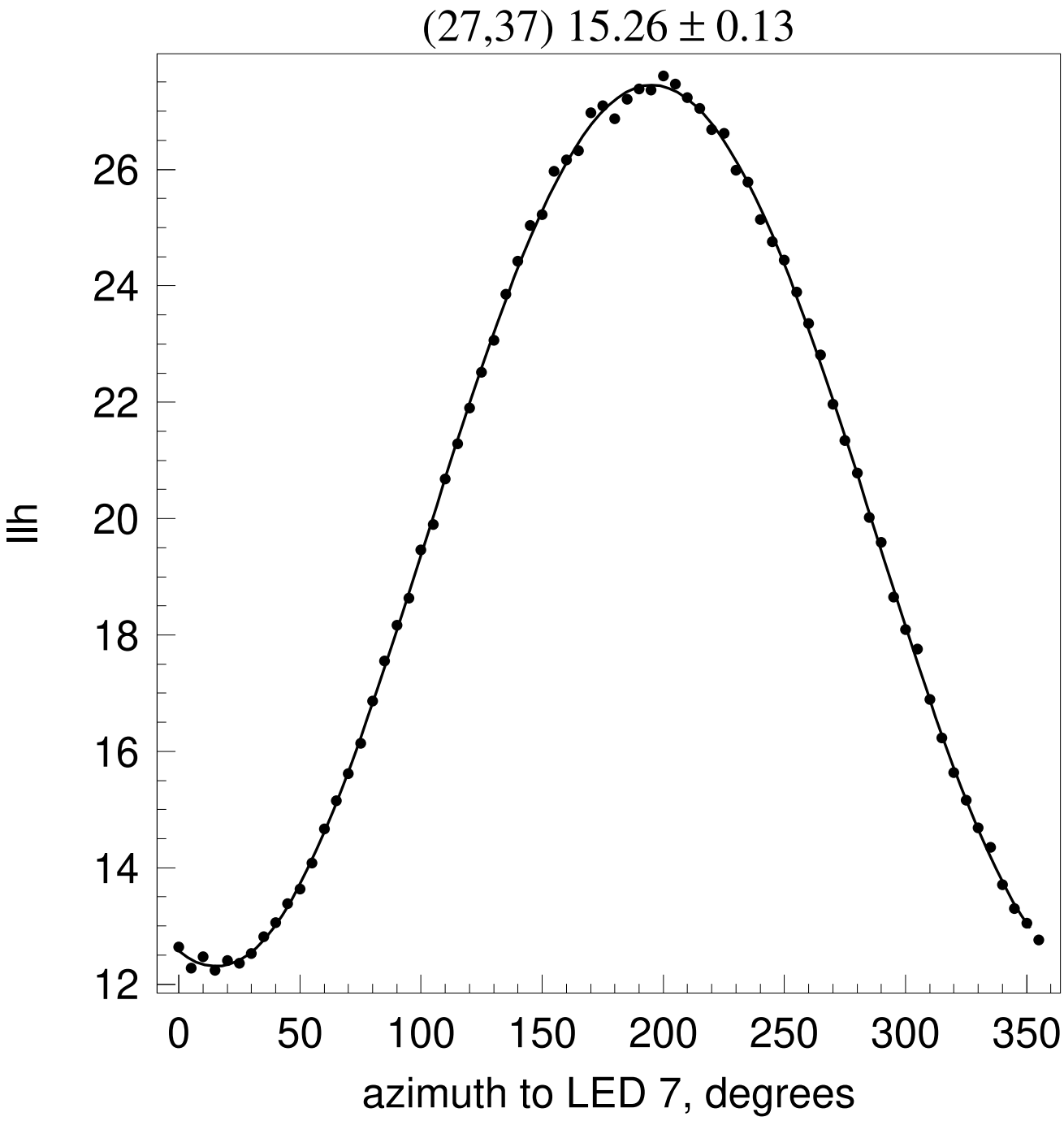

(26,37) 174.91 ± 0.25
24
22
20
18
16
14
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

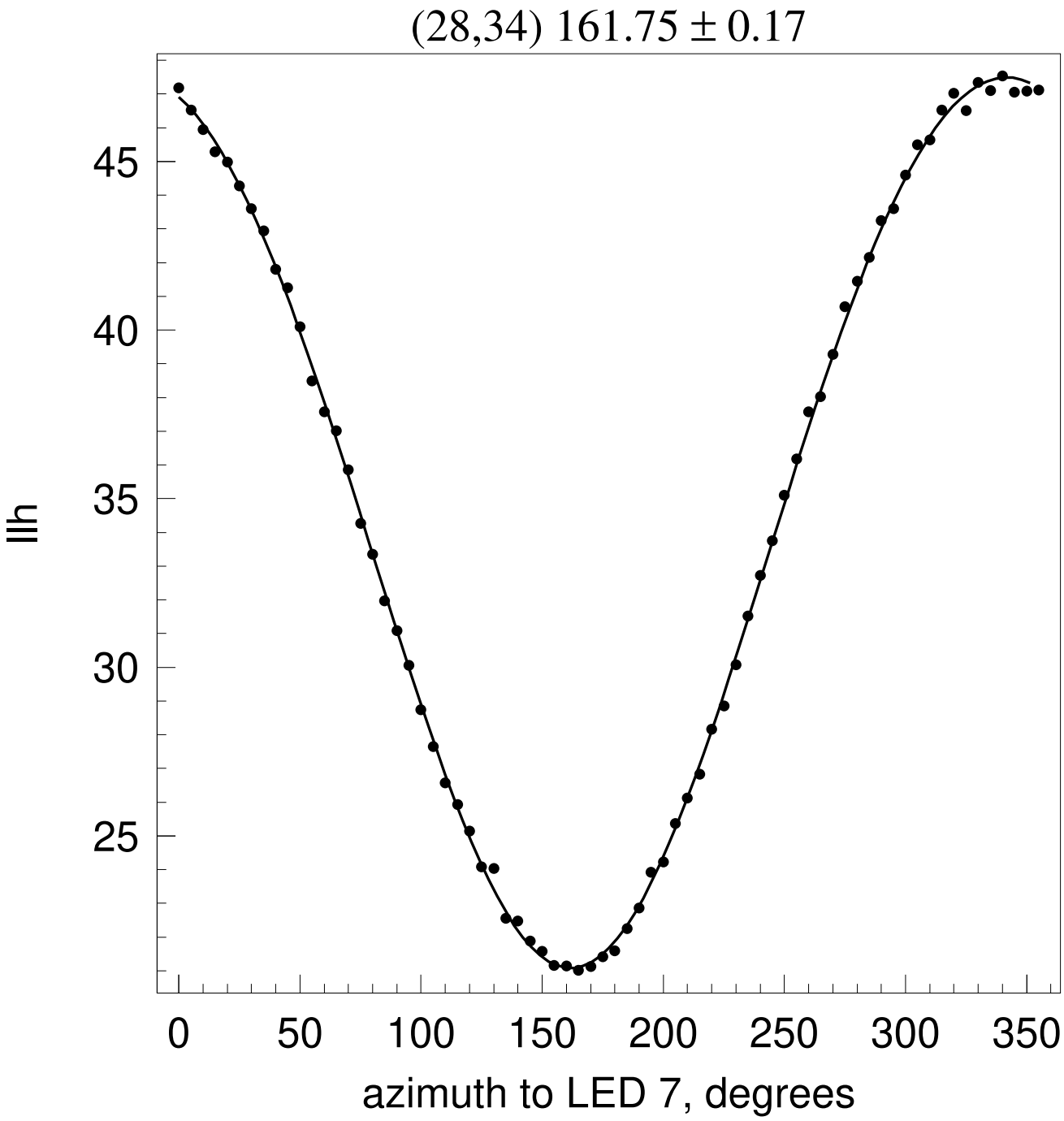

(27,33) 177.58 ± 0.29
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

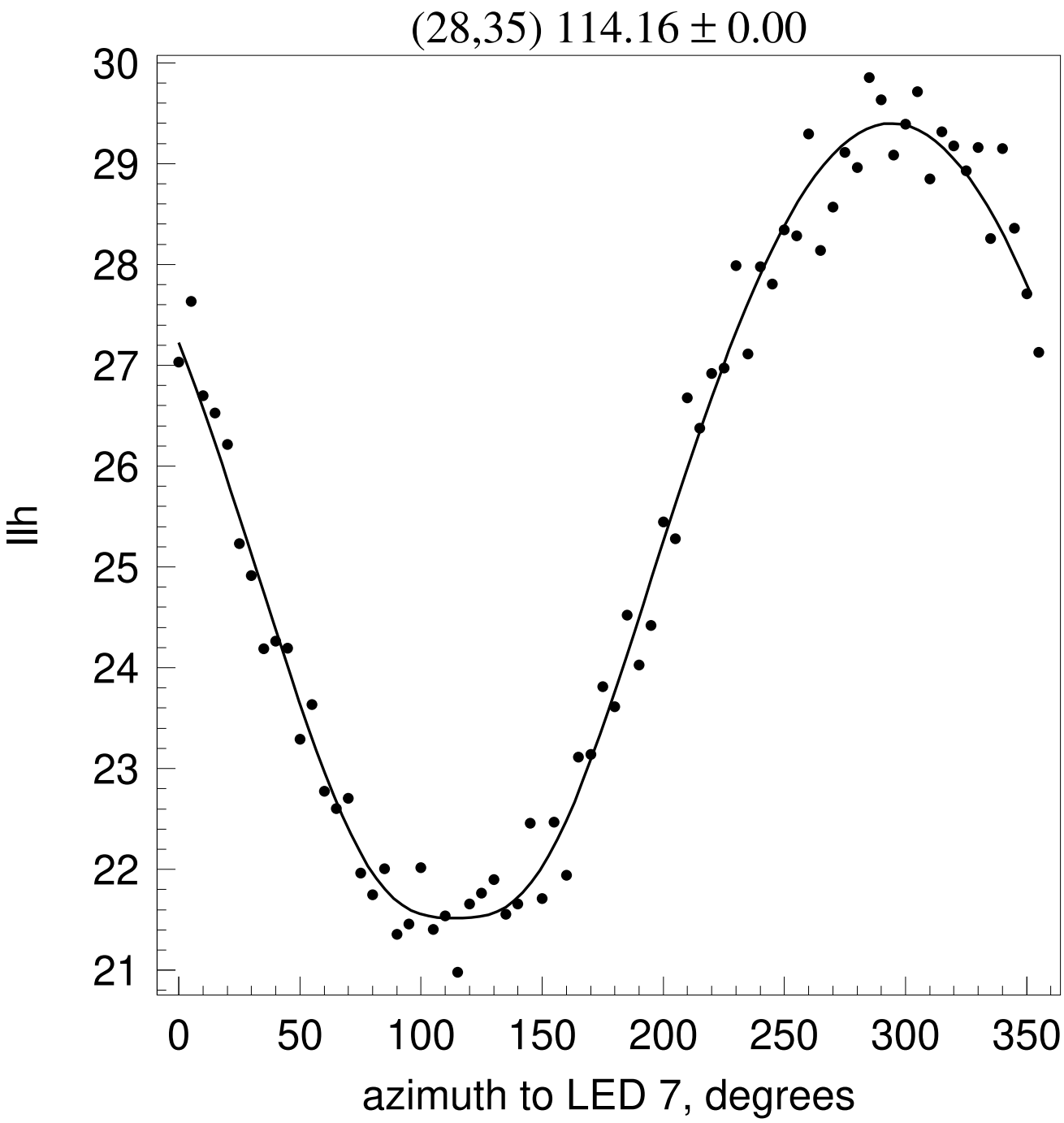

(27,34) 159.67 ± 0.35
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

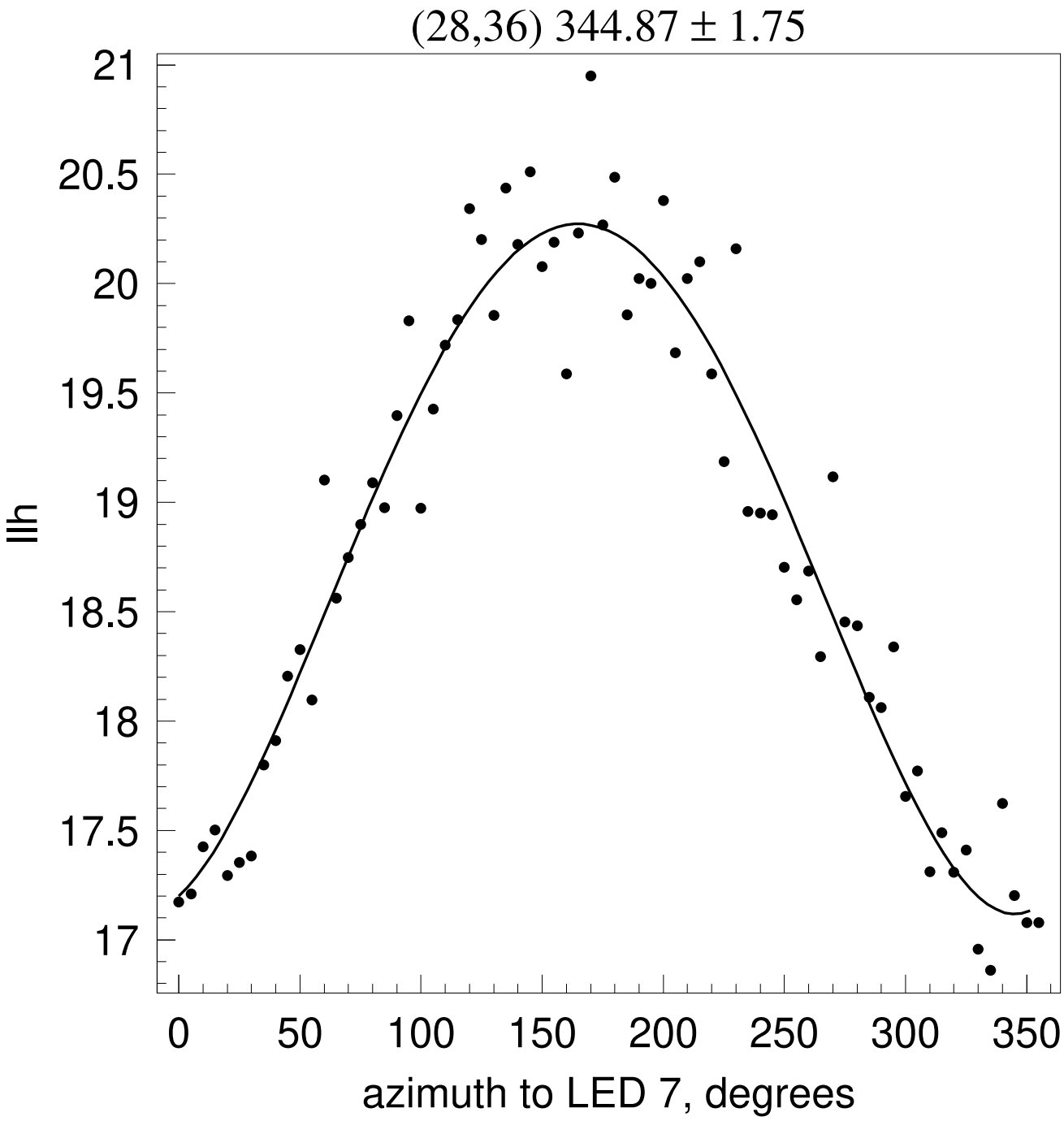

(27,35) 356.36 ± 0.00
20
19.5
19
18.5
18
17.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

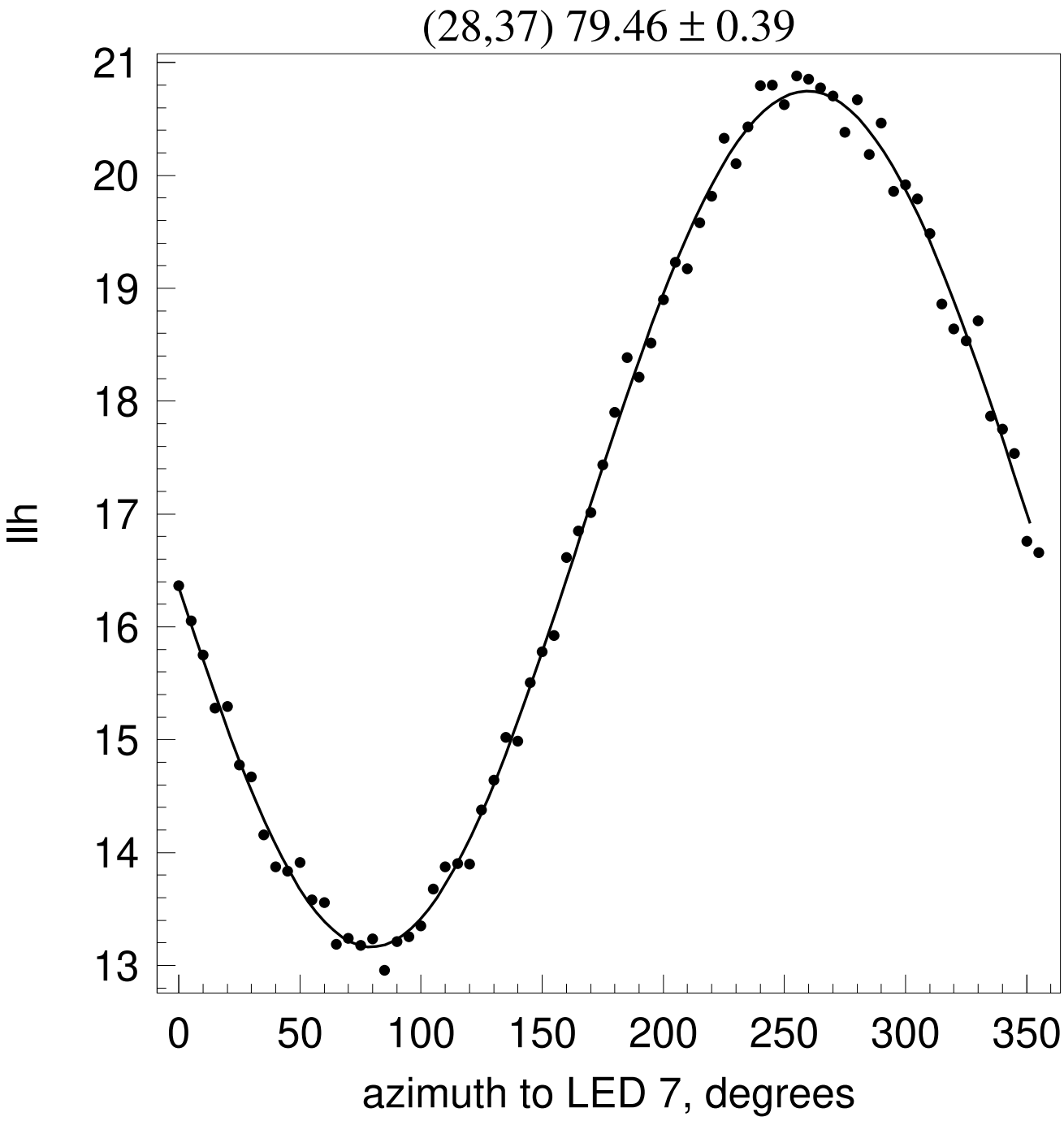

(27,36) 96.86 ± 1.10
23
22
21
20
19
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

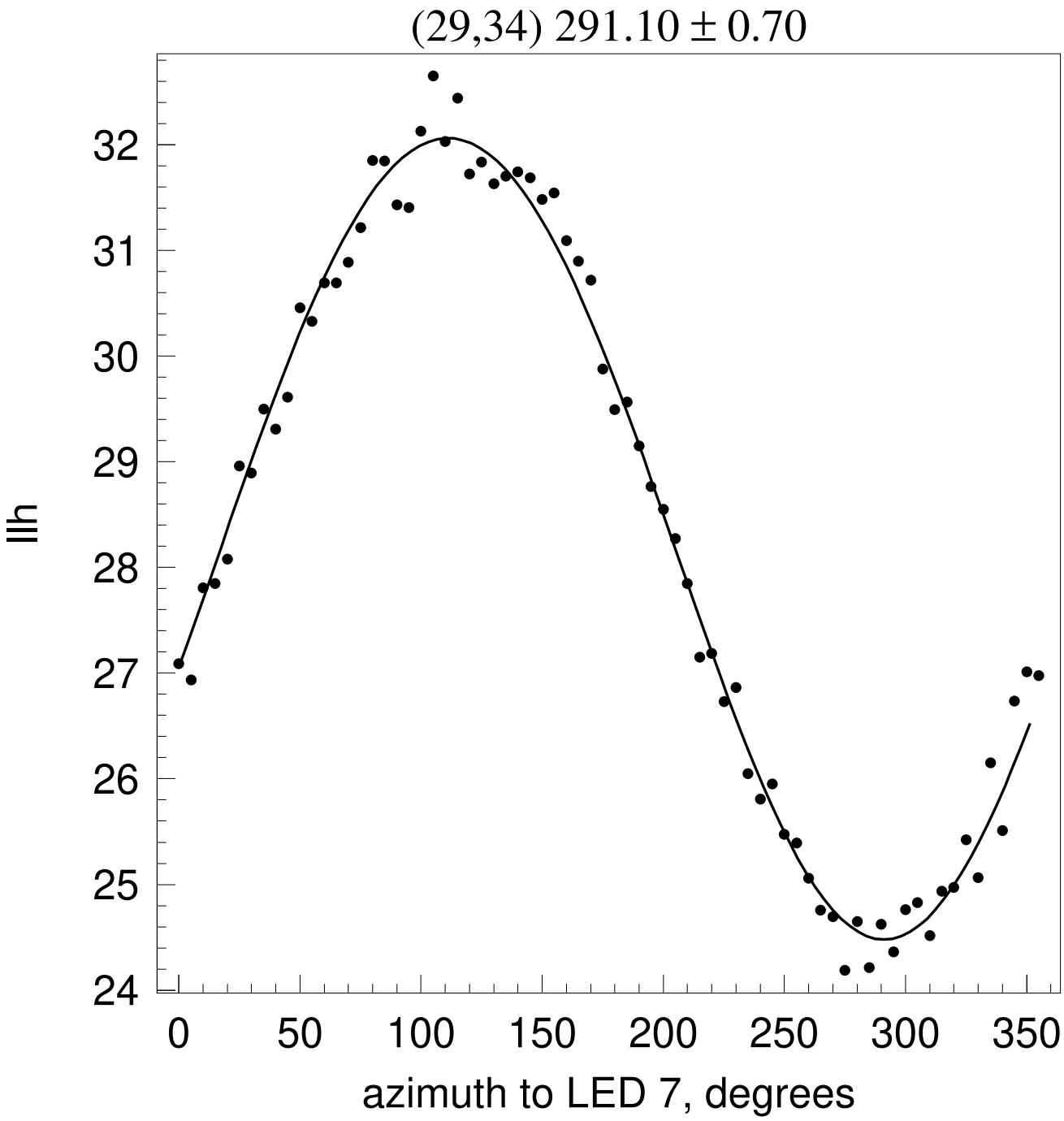

(27,37) 15.26 ± 0.13
26
24
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

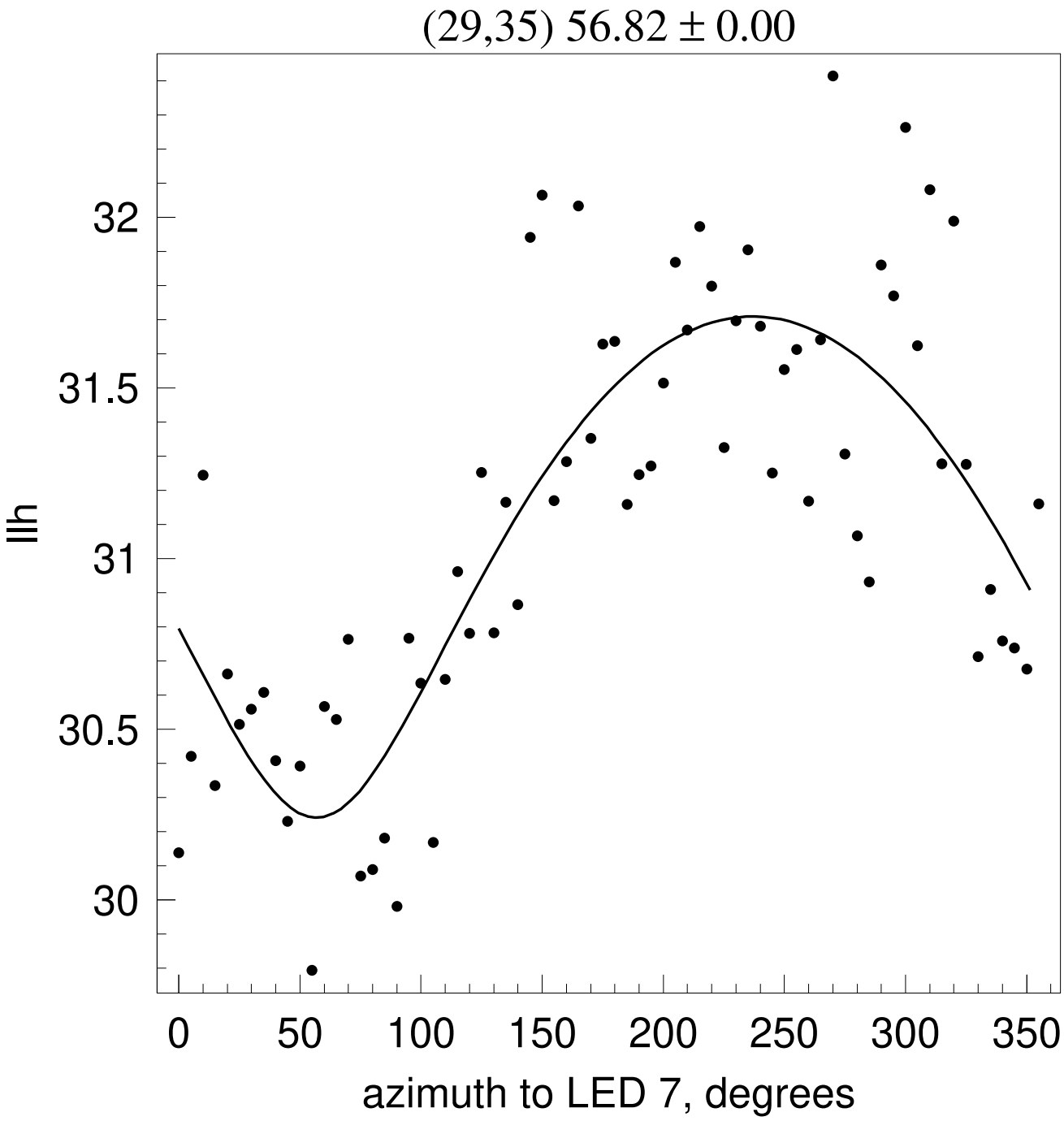

(28,34) 161.75 ± 0.17
45
40
35
30
25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

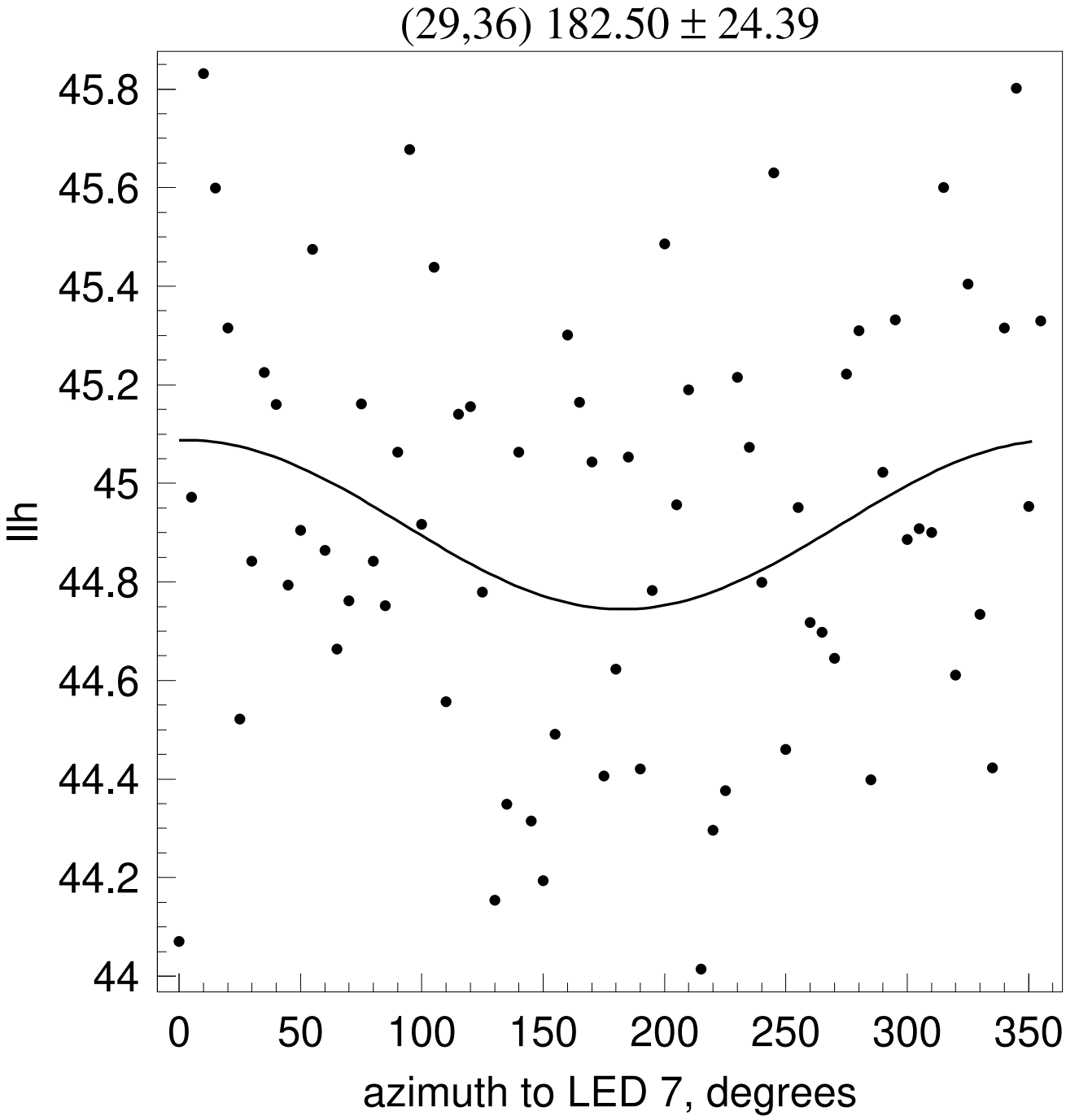

(28,35) 114.16 ± 0.00
30
29
28
27
26
25
24
23
22
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

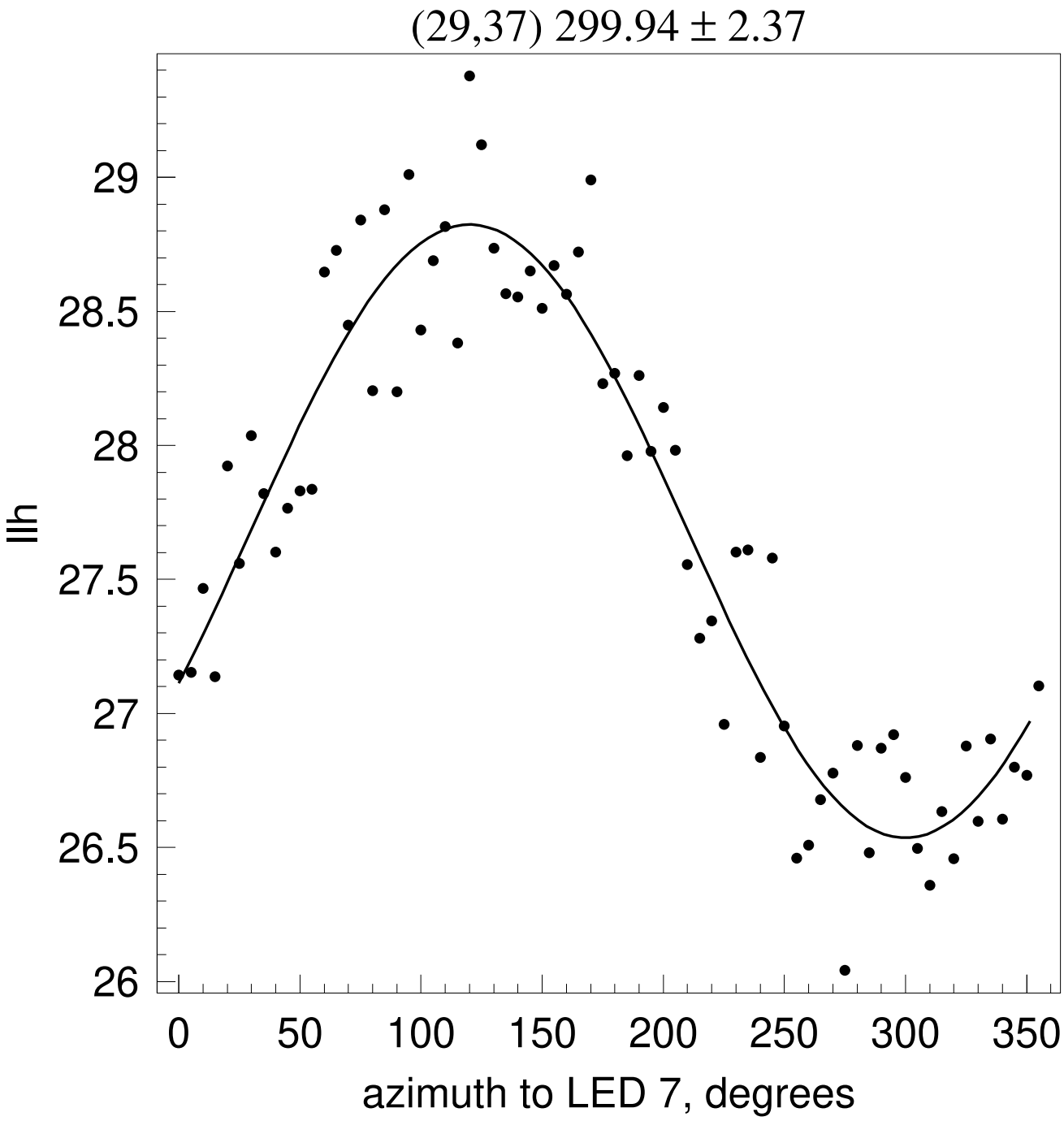

(28,36) 344.87 ± 1.75
21
20.5
20
19.5
19
18.5
18
17.5
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

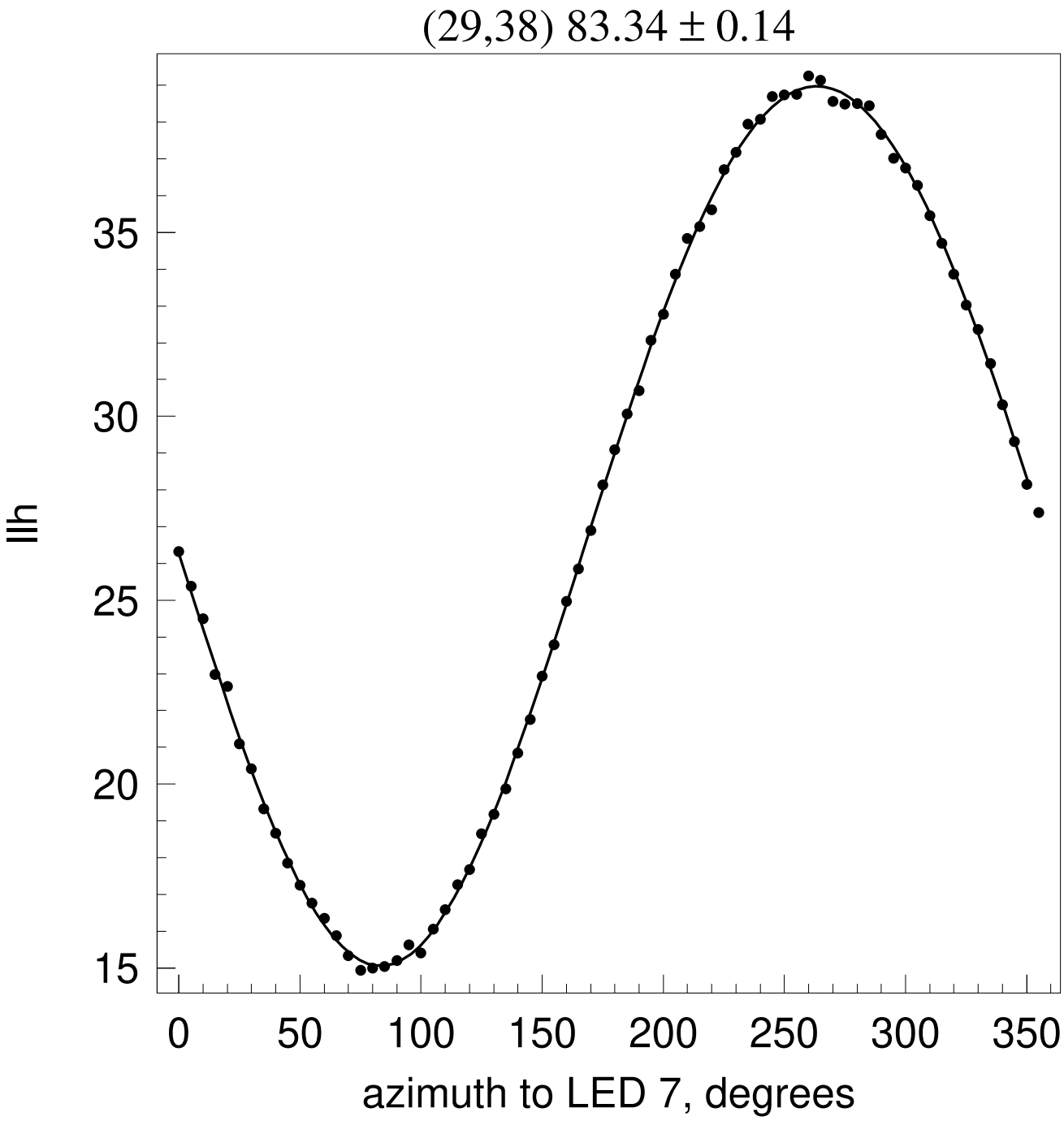

(28,37) 79.46 ± 0.39
21
20
19
18
17
16
15
14
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

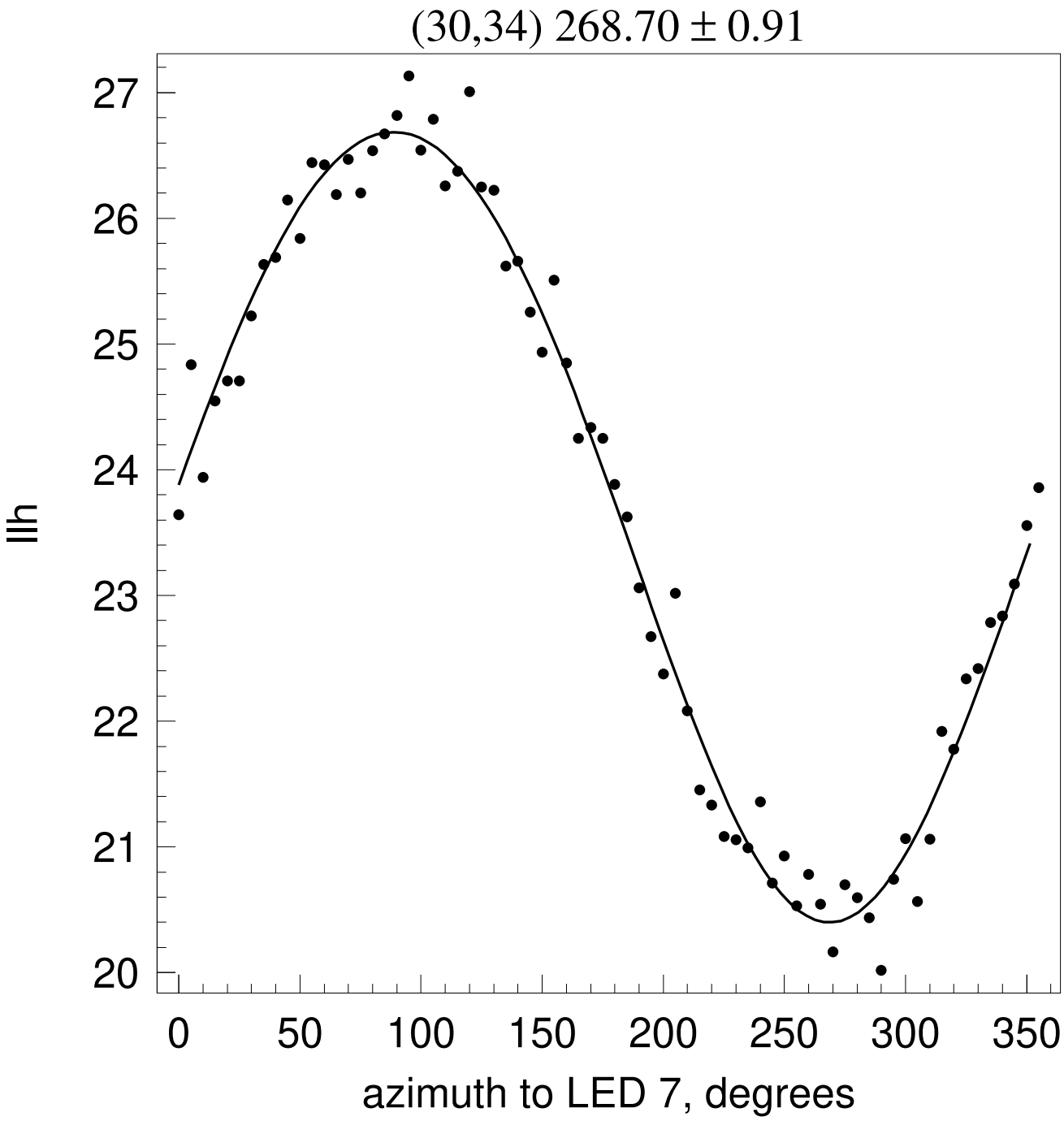

(29,34) 291.10 ± 0.70
32
31
30
29
28
27
26
25
24
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

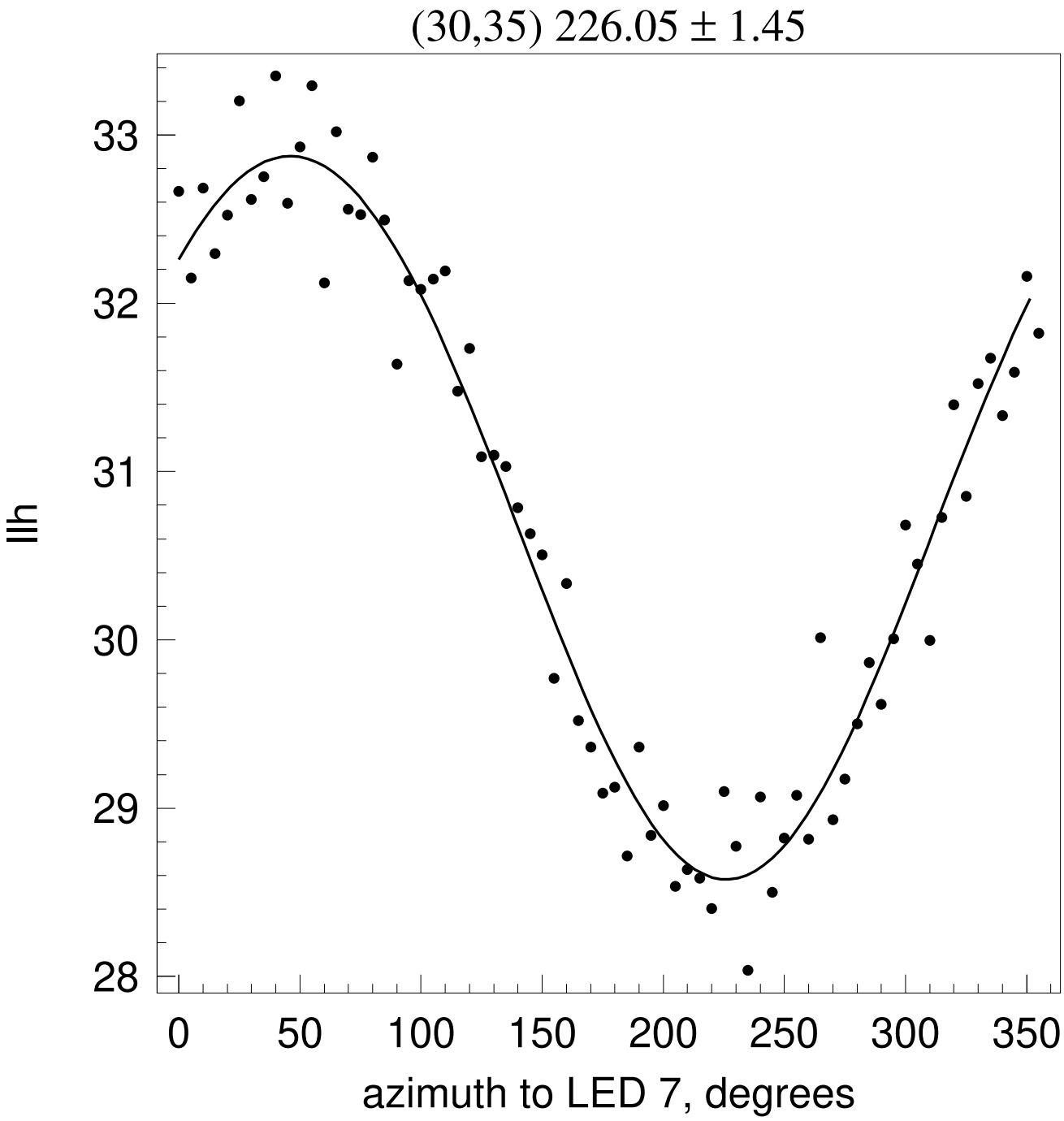

(29,35) 56.82 ± 0.00
32
31.5
31
30.5
30
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

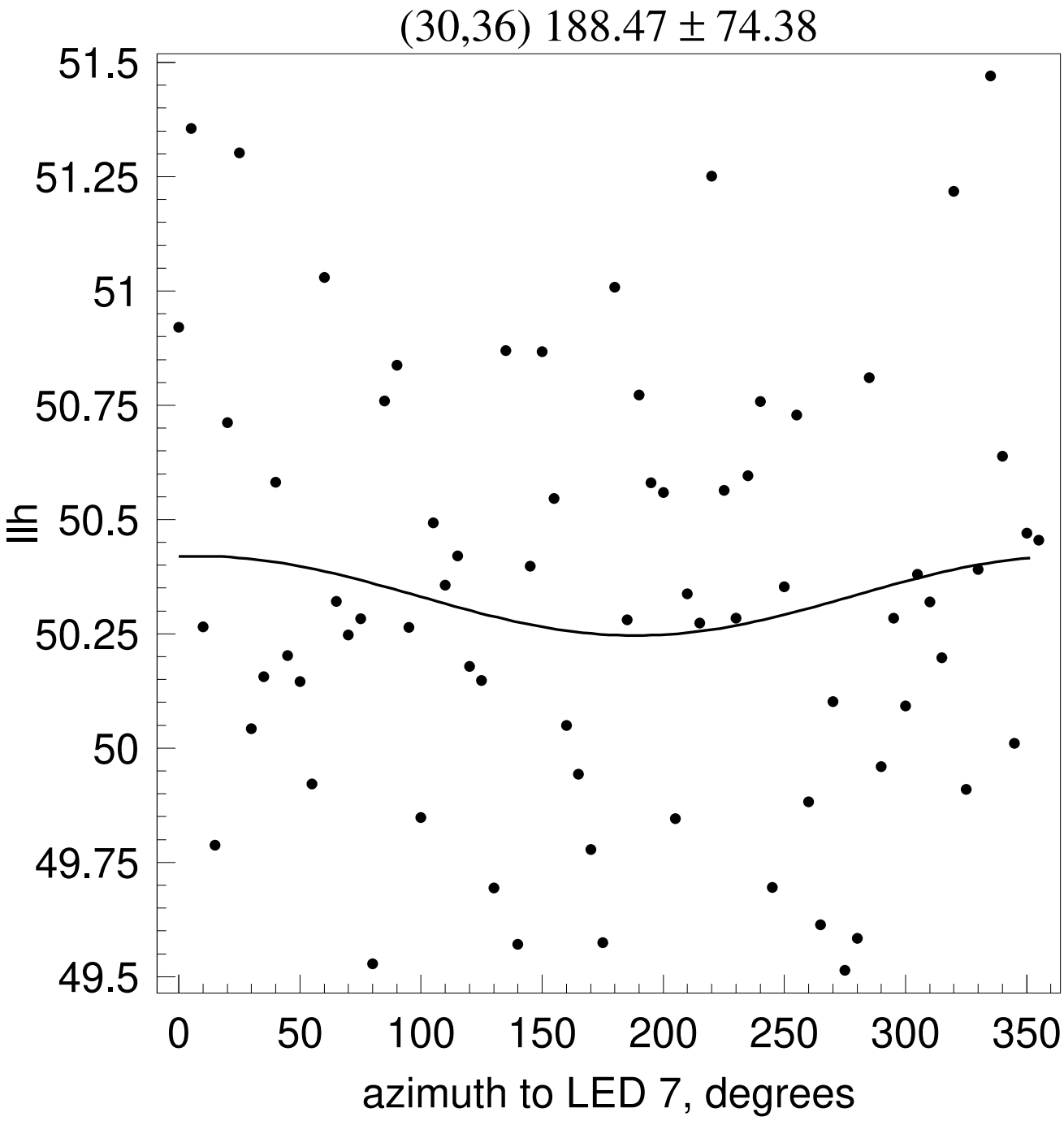

(29,36) 182.50 ± 24.39
45.8
45.6
45.4
45.2
45
44.8
44.6
44.4
44.2
44
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

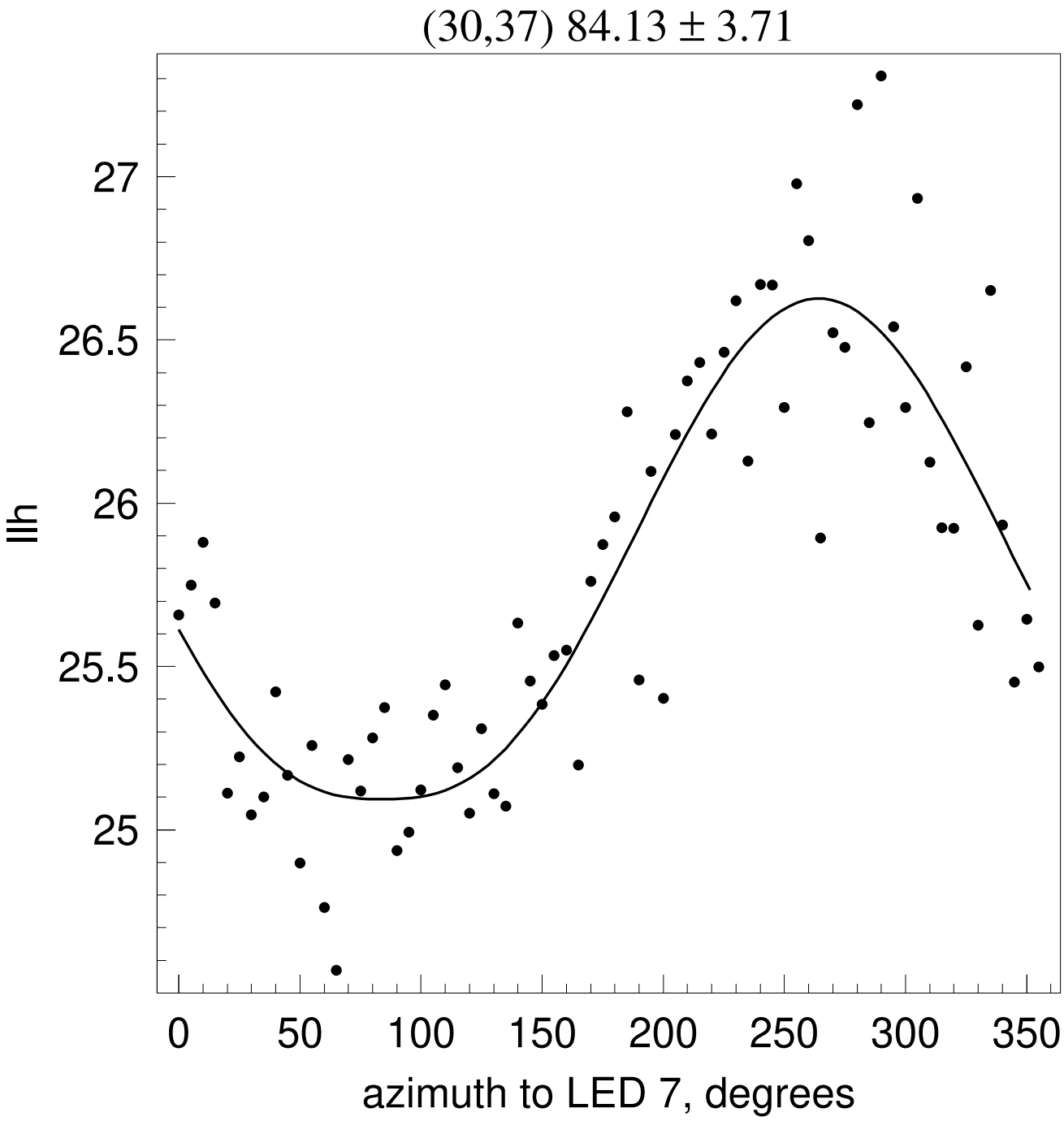

(29,37) 299.94 ± 2.37
29
28.5
28
27.5
27
26.5
26
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

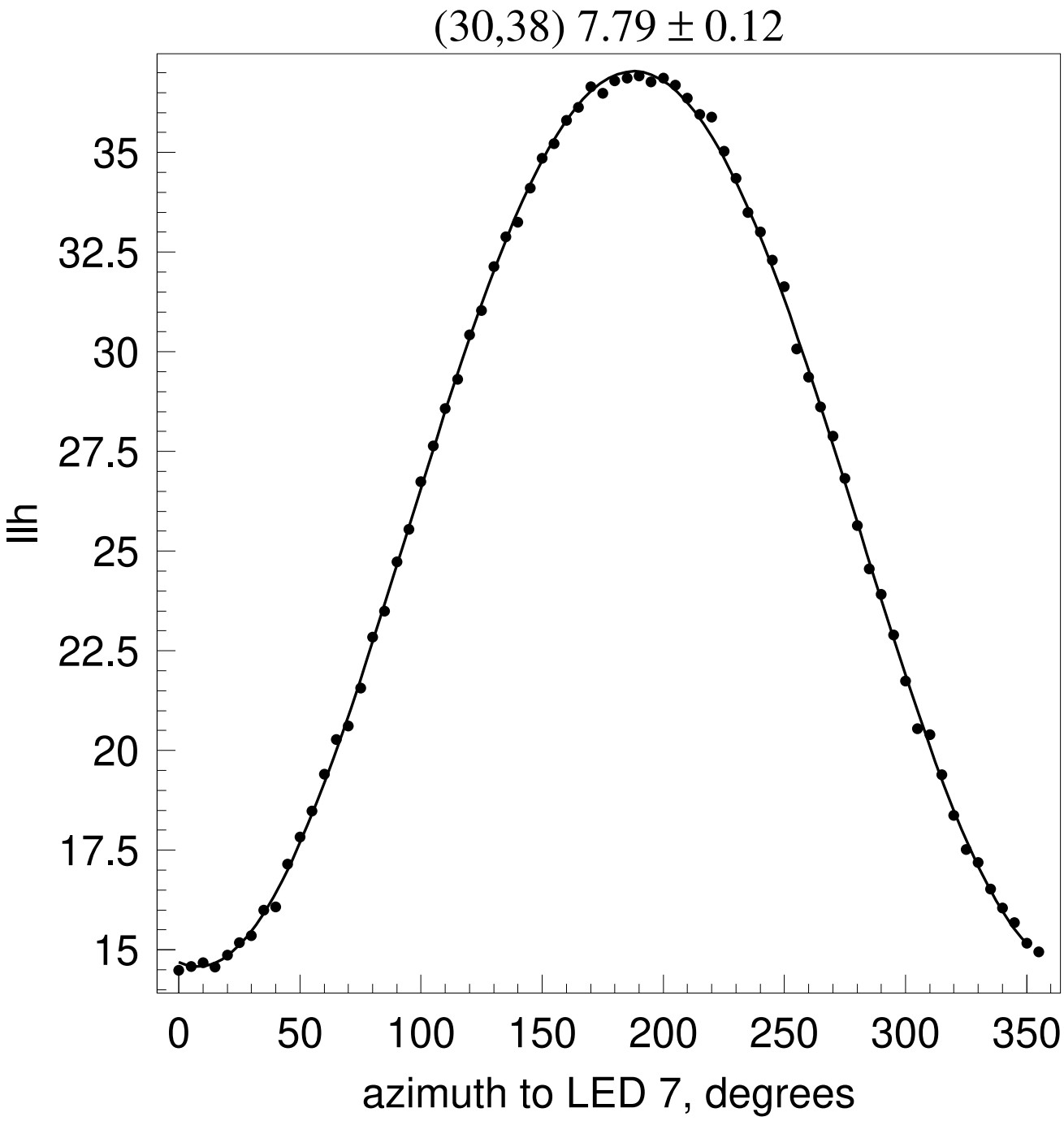

(29,38) 83.34 ± 0.14
35
30
25
20
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

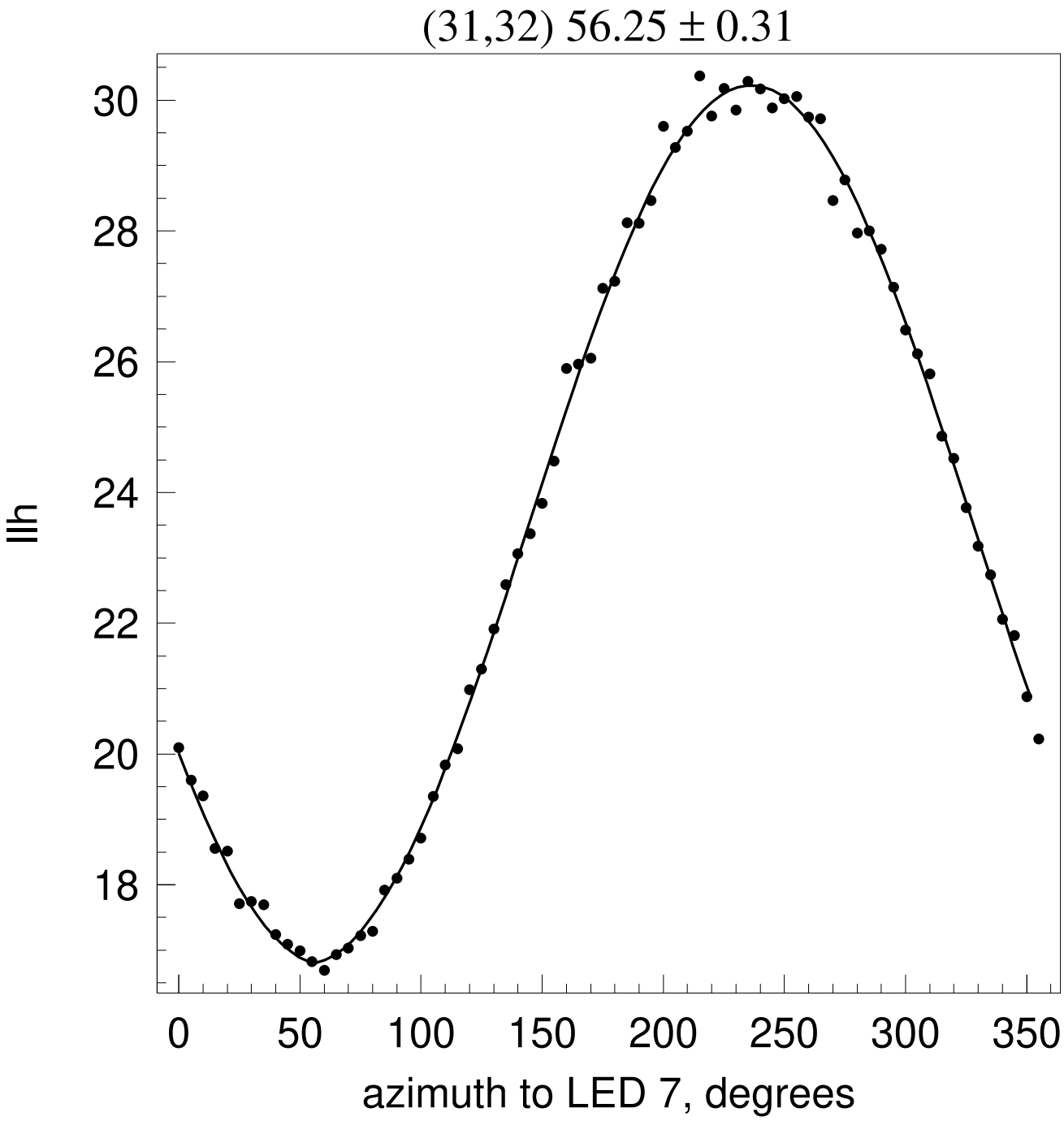

(30,34) 268.70 ± 0.91
27
26
25
24
23
22
21
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

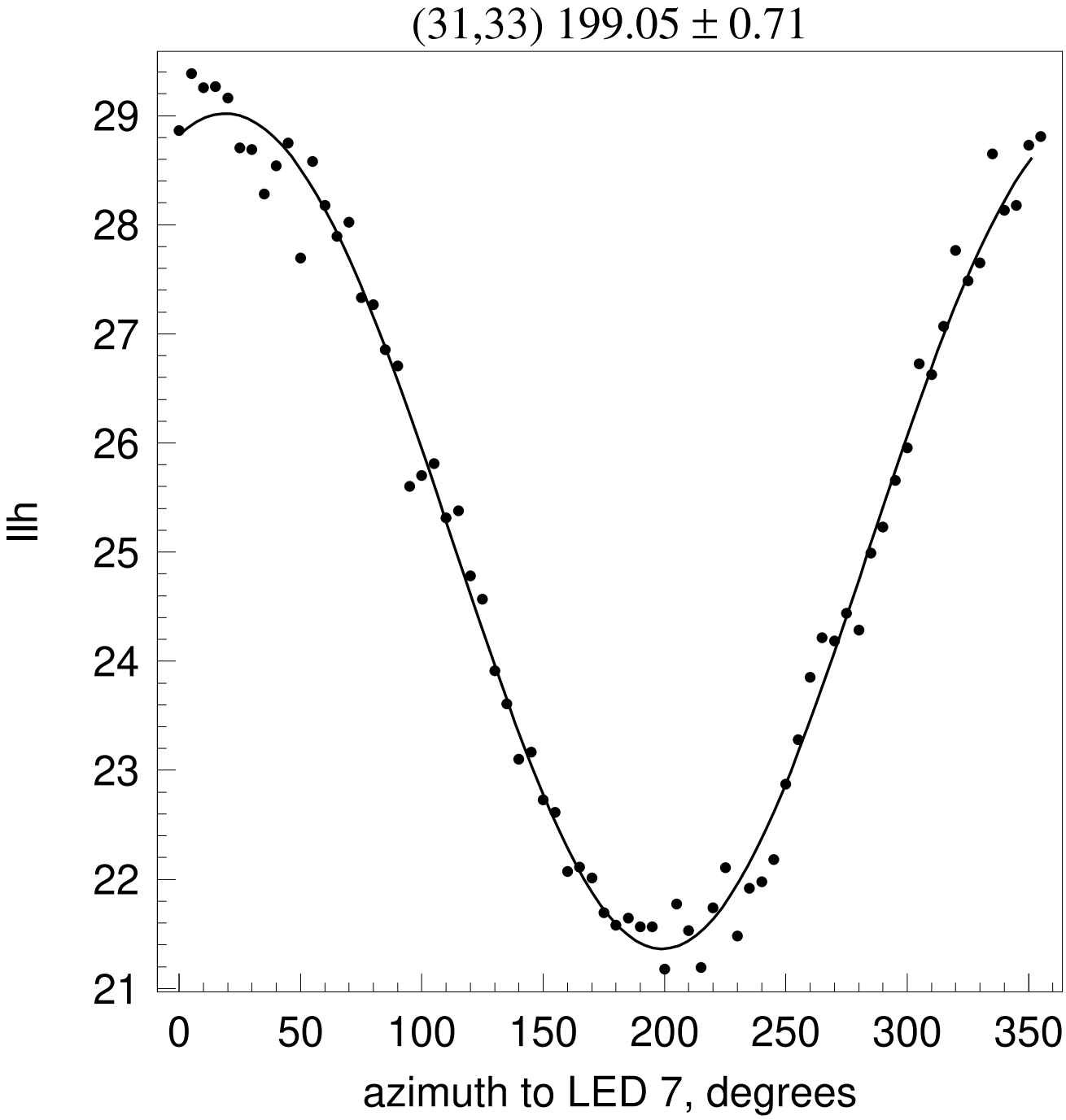

(30,35) 226.05 ± 1.45
33
32
31
30
29
28
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

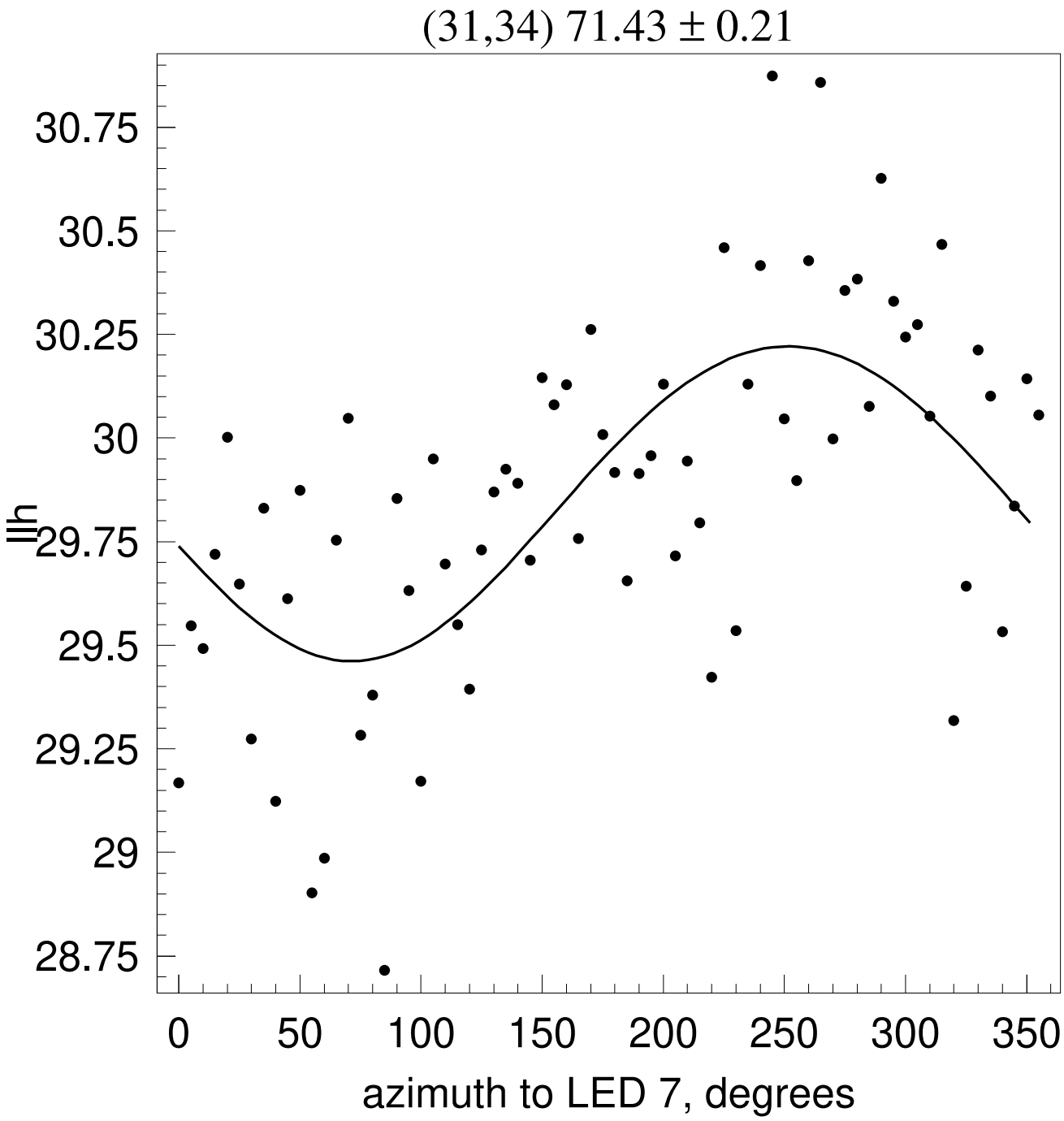

(30,36) 188.47 ± 74.38
51.5
51.25
51
50.75
50.5
50.25
50
49.75
49.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

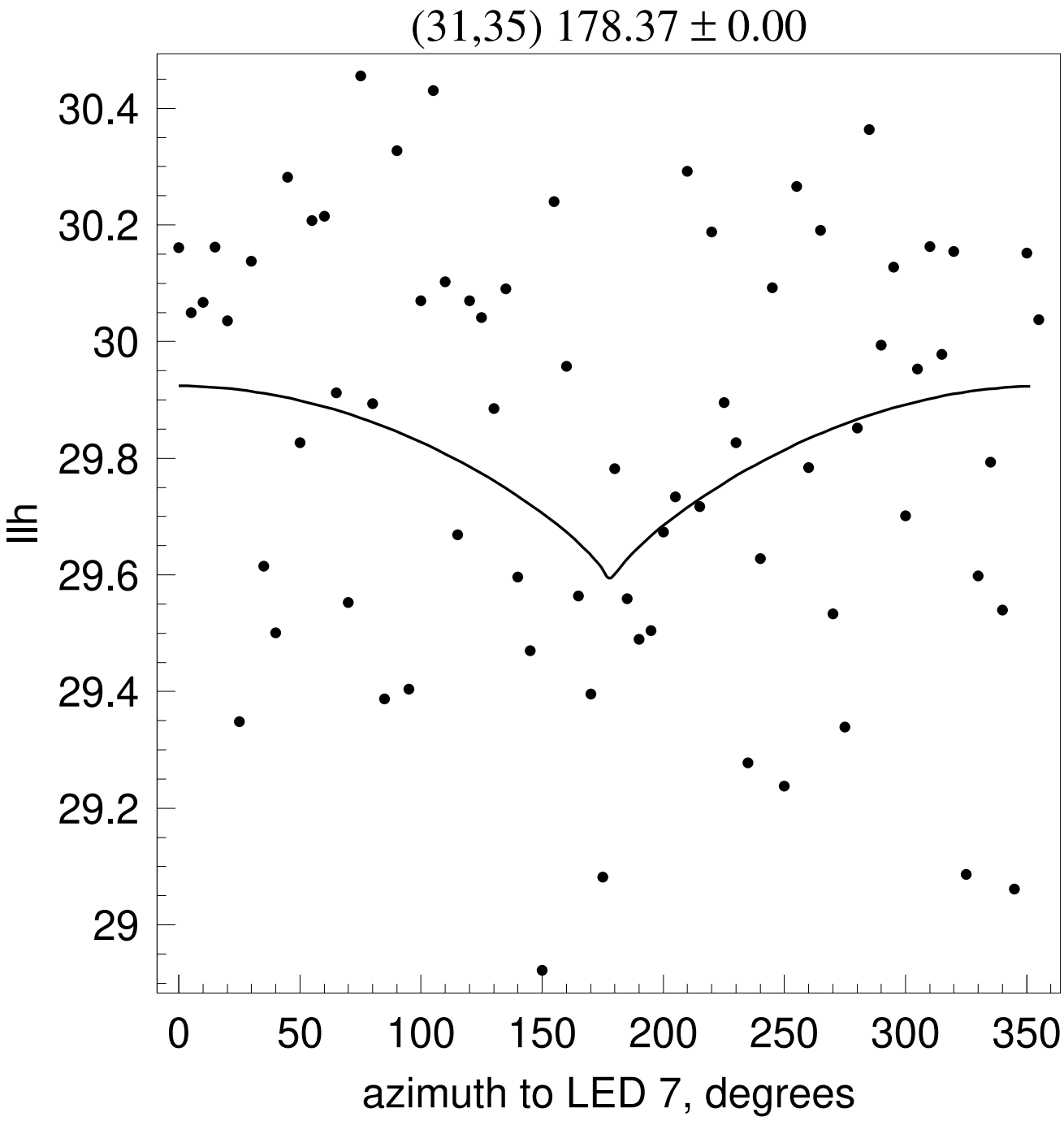

(30,37) 84.13 ± 3.71
27
26.5
26
25.5
25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

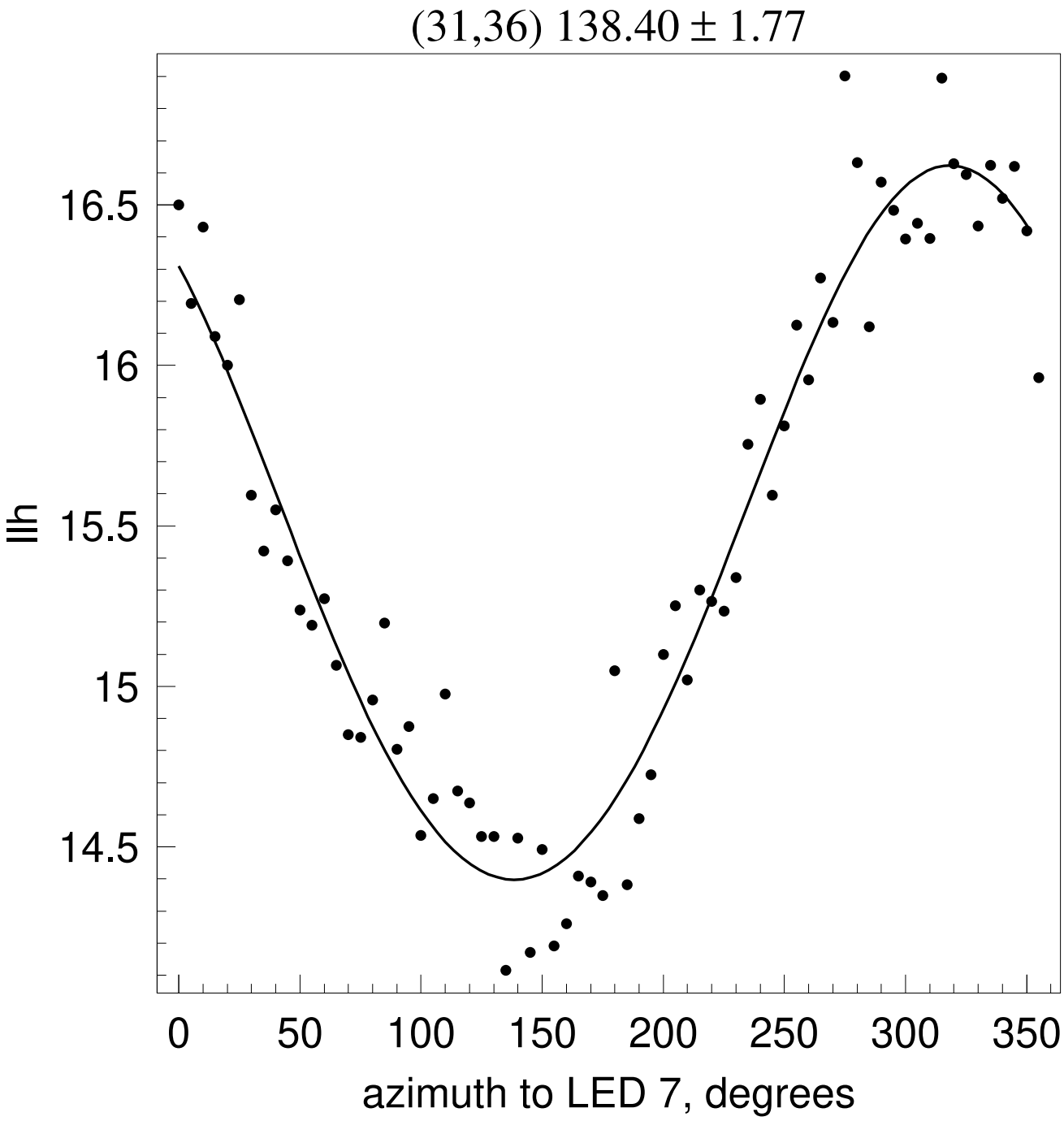

(30,38) 7.79 ± 0.12
35
32.5
30
27.5
25
22.5
20
17.5
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

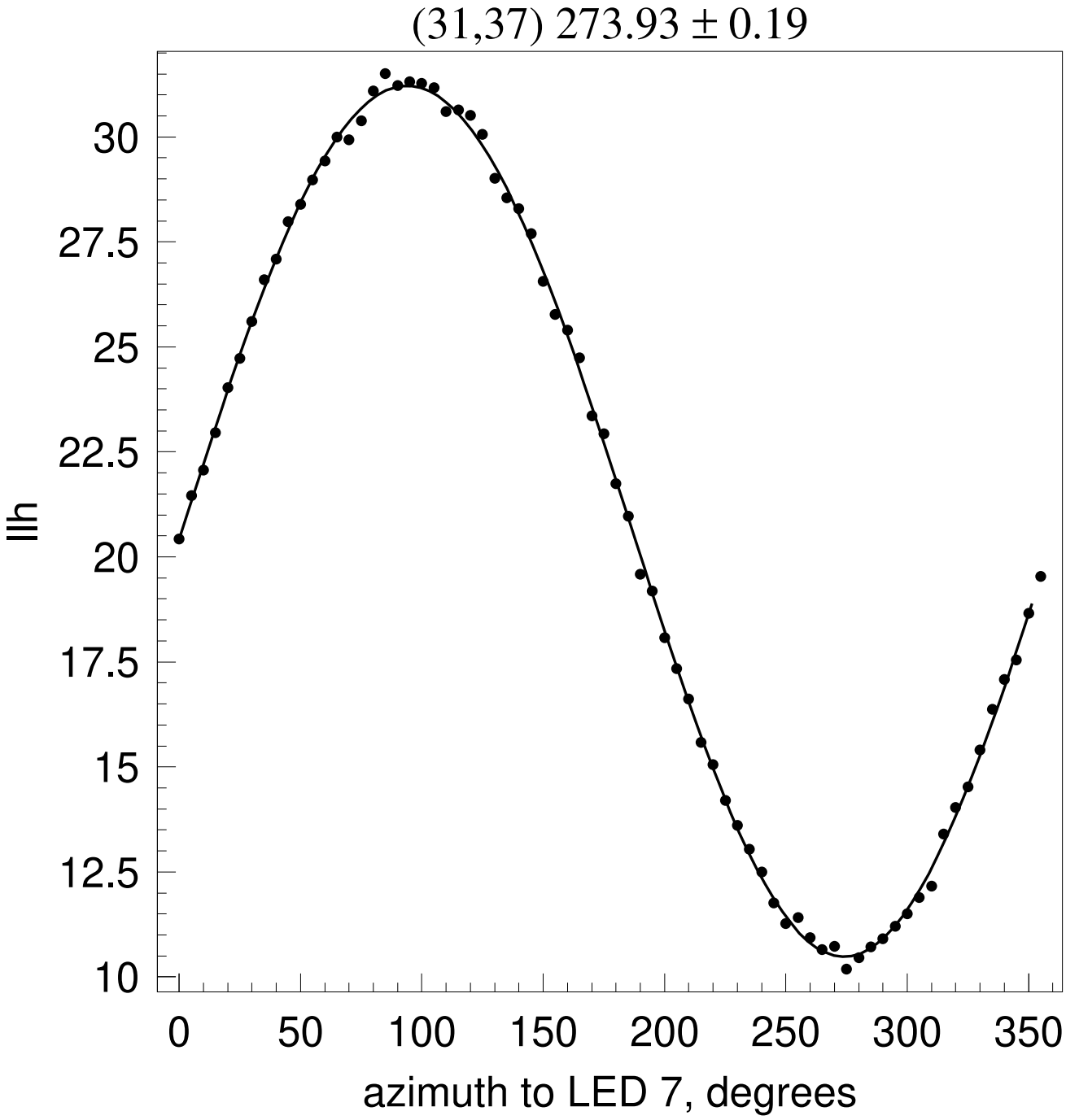

(31,32) 56.25 ± 0.31
30
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

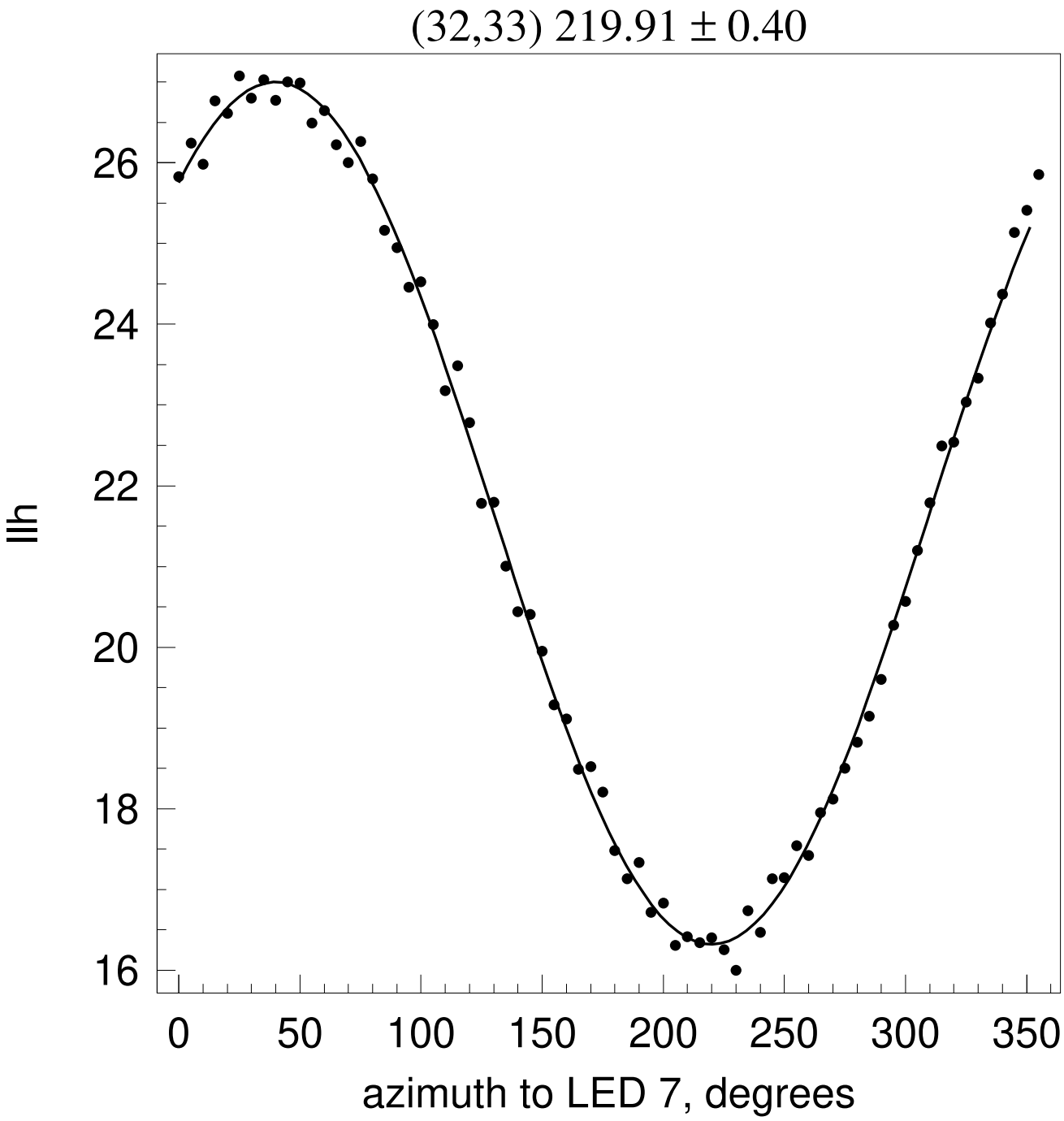

(31,33) 199.05 ± 0.71
29
28
27
26
25
24
23
22
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

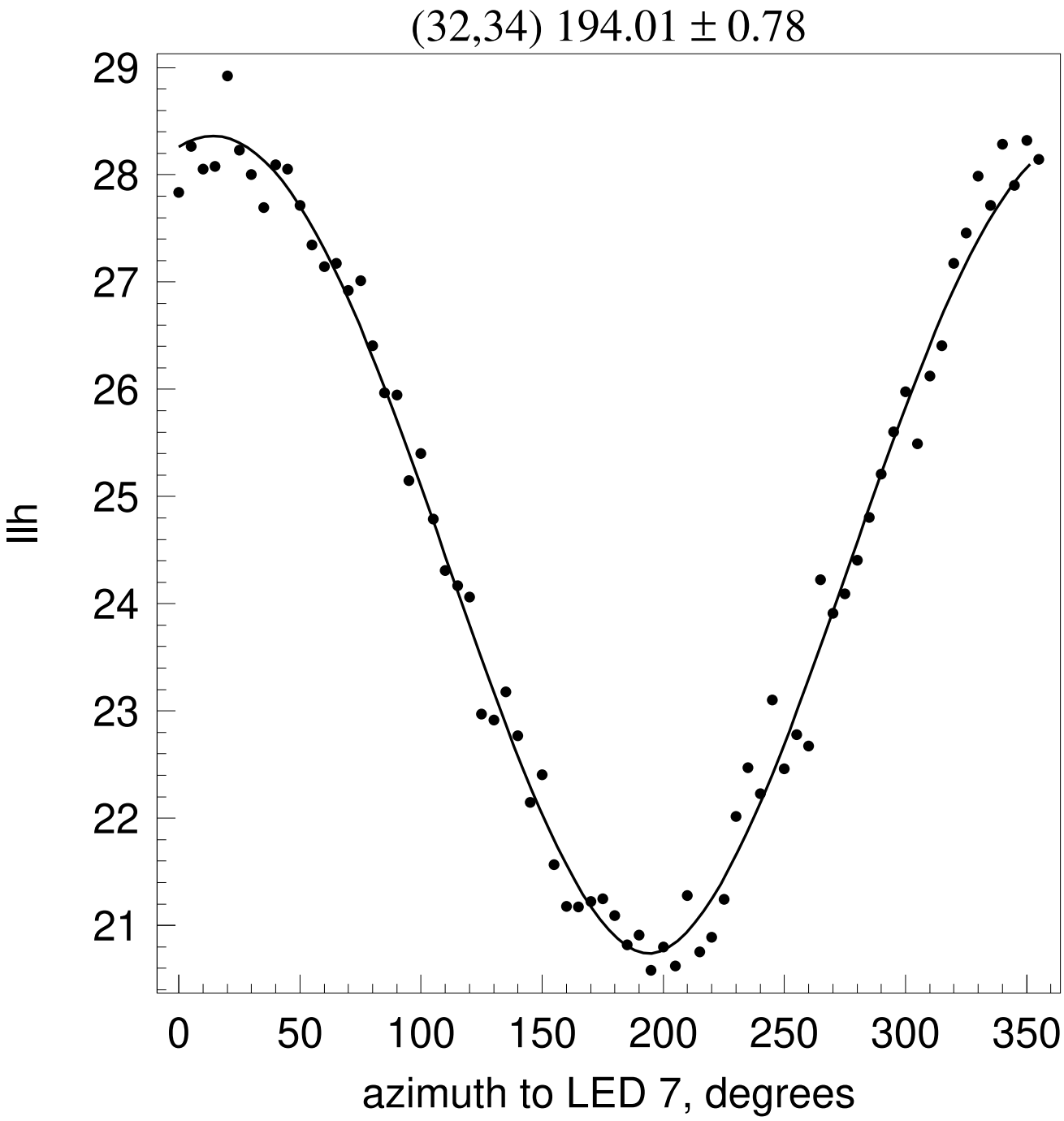

(31,34) 71.43 ± 0.21
30.75
30.5
30.25
30
29.75
29.5
29.25
29
28.75
μ
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

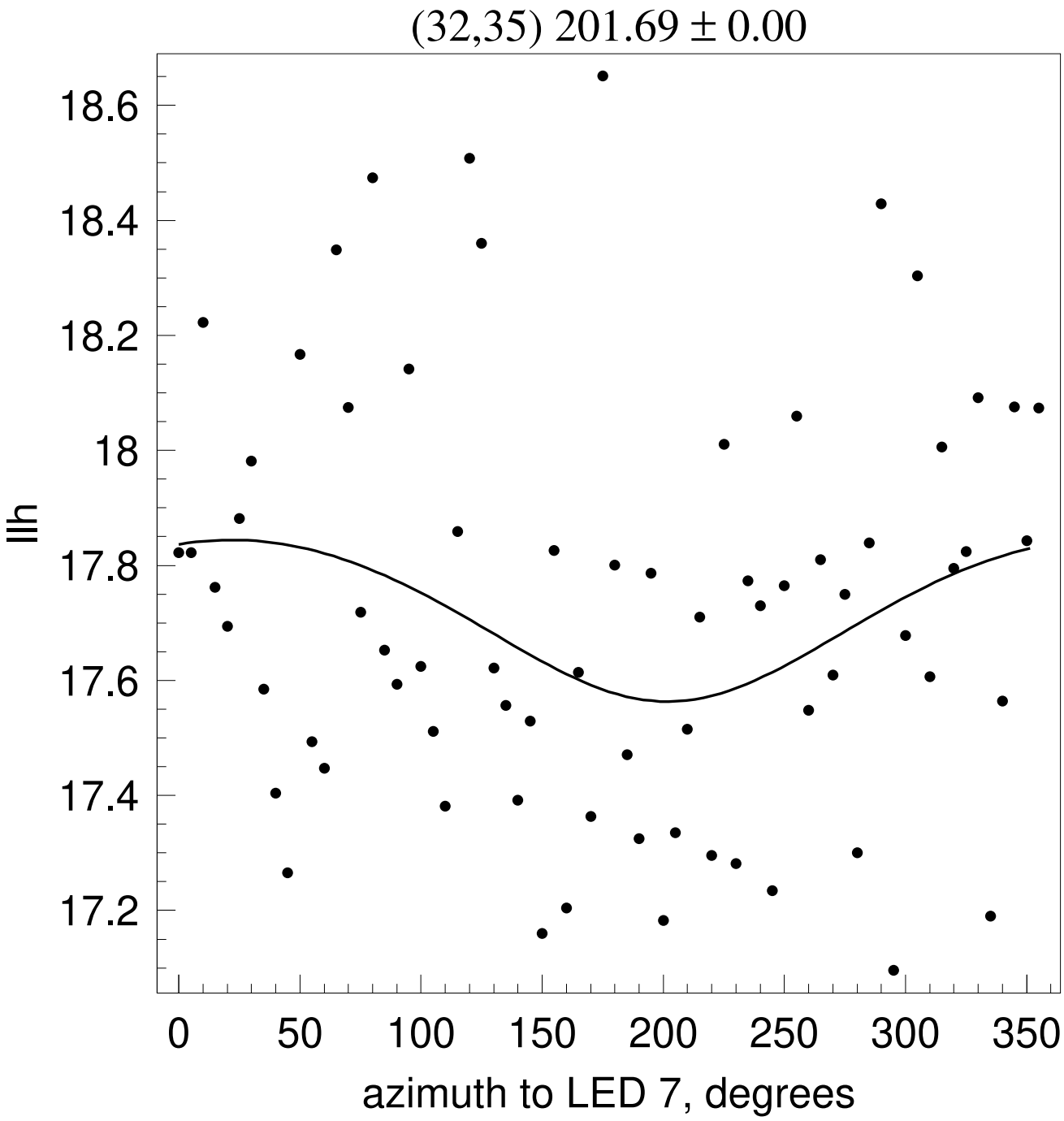

(31,35) 178.37 ± 0.00
30.4
30.2
30
29.8
29.6
29.4
29.2
29
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

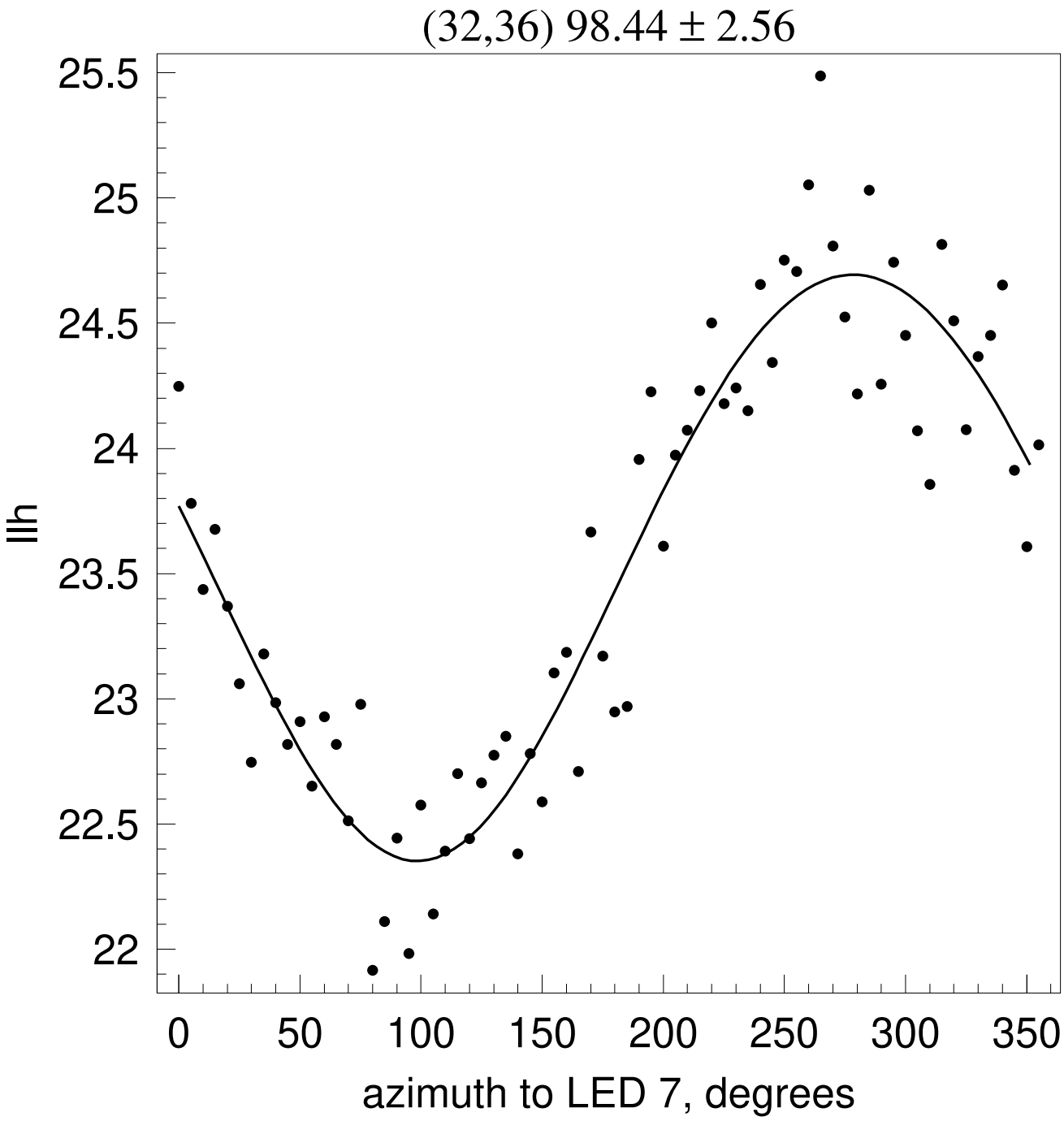

(31,36) 138.40 ± 1.77
16.5
16
15.5
15
14.5
lth
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

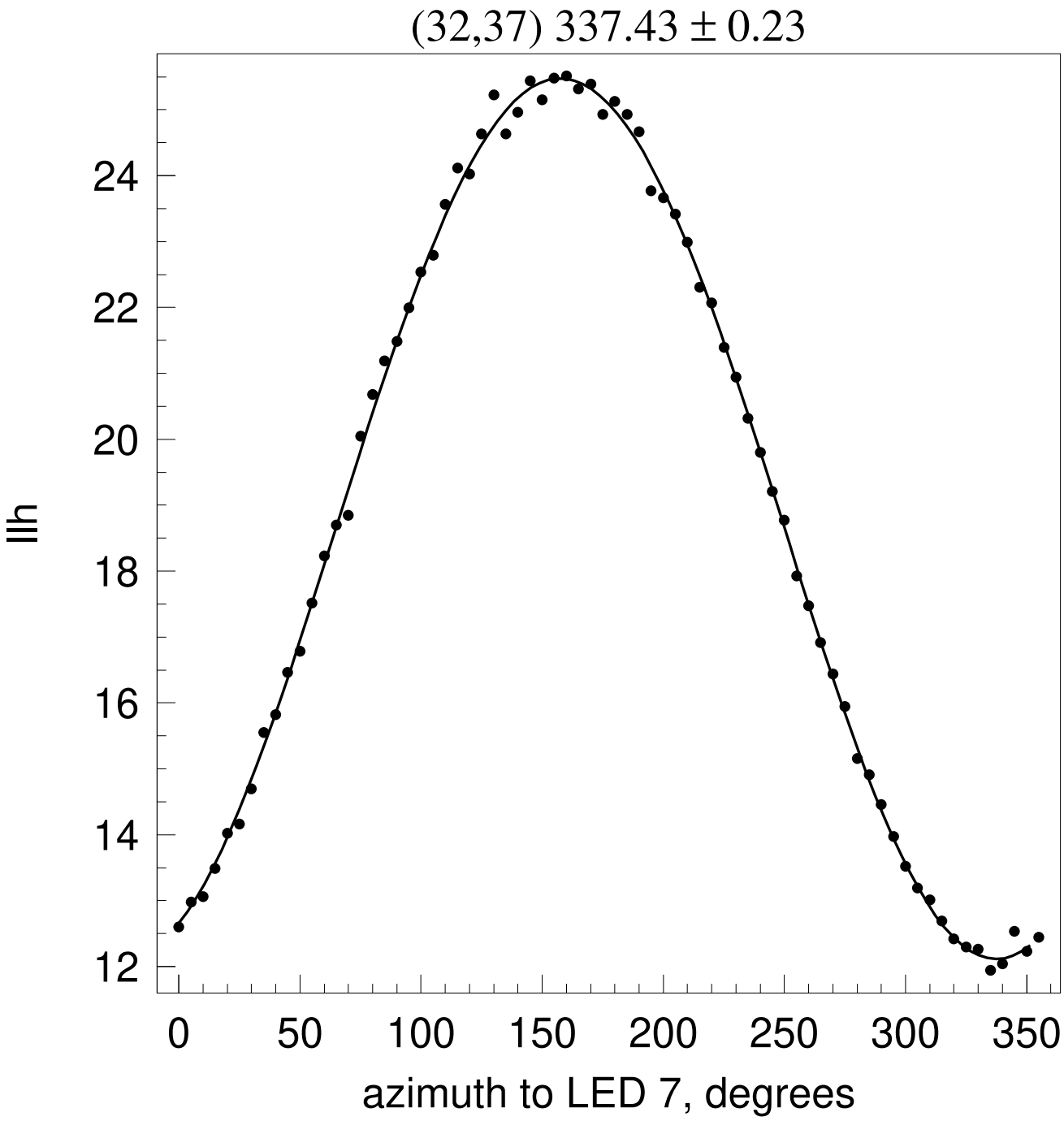

(31,37) 273.93 ± 0.19
30
27.5
25
22.5
20
17.5
15
12.5
10
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

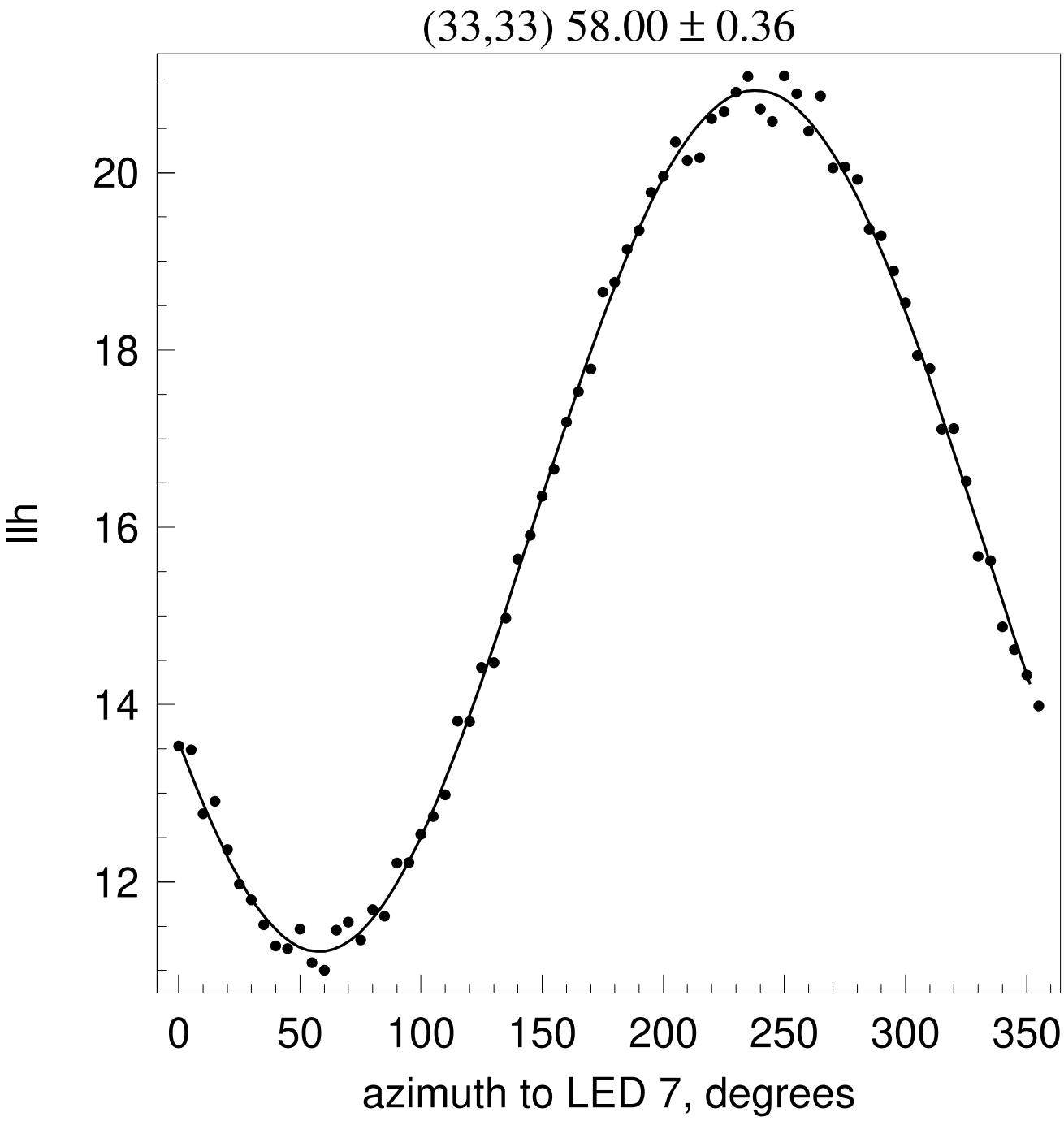

(32,33) 219.91 ± 0.40
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

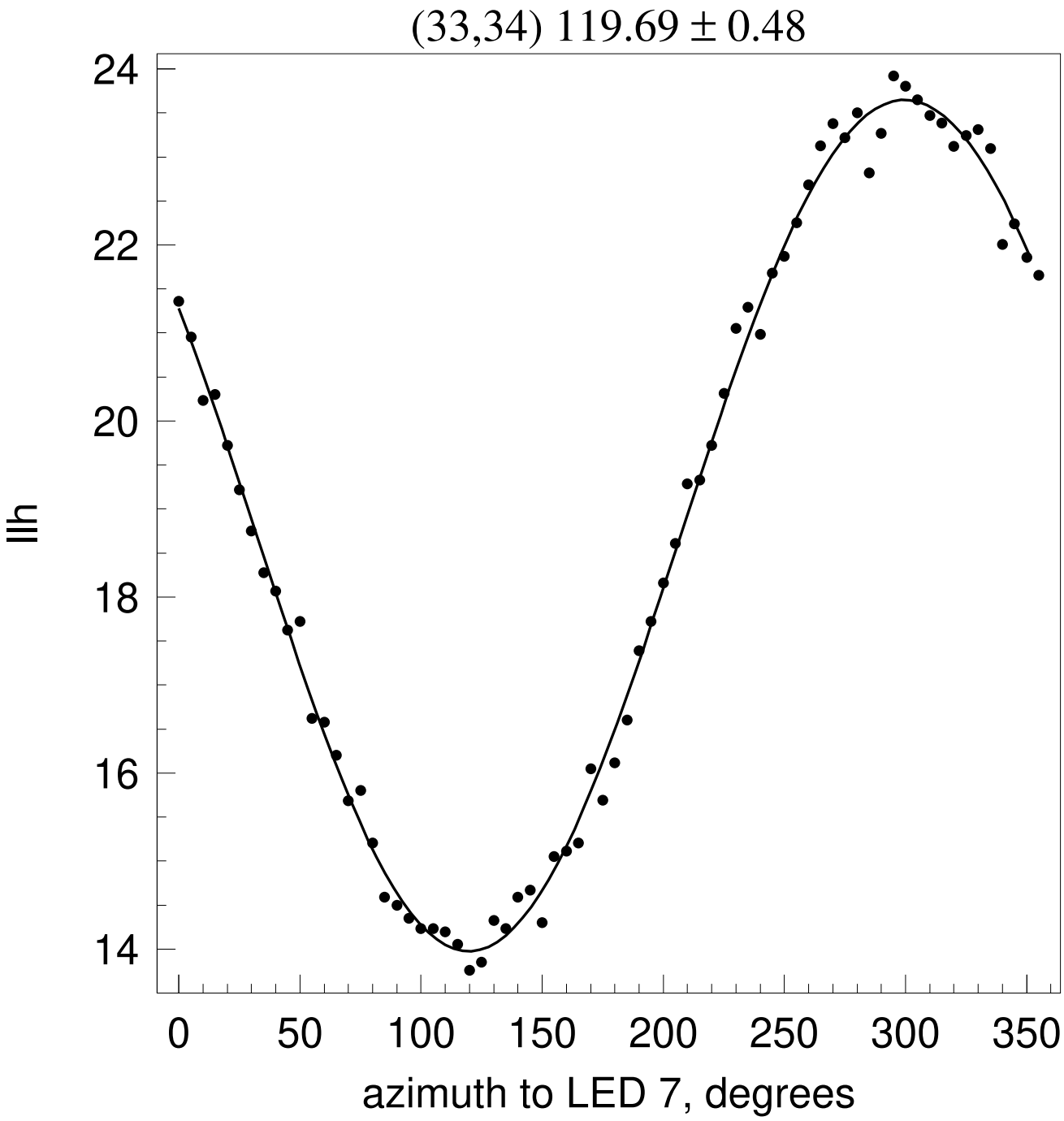

(32,34) 194.01 ± 0.78
29
28
27
26
25
24
23
22
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

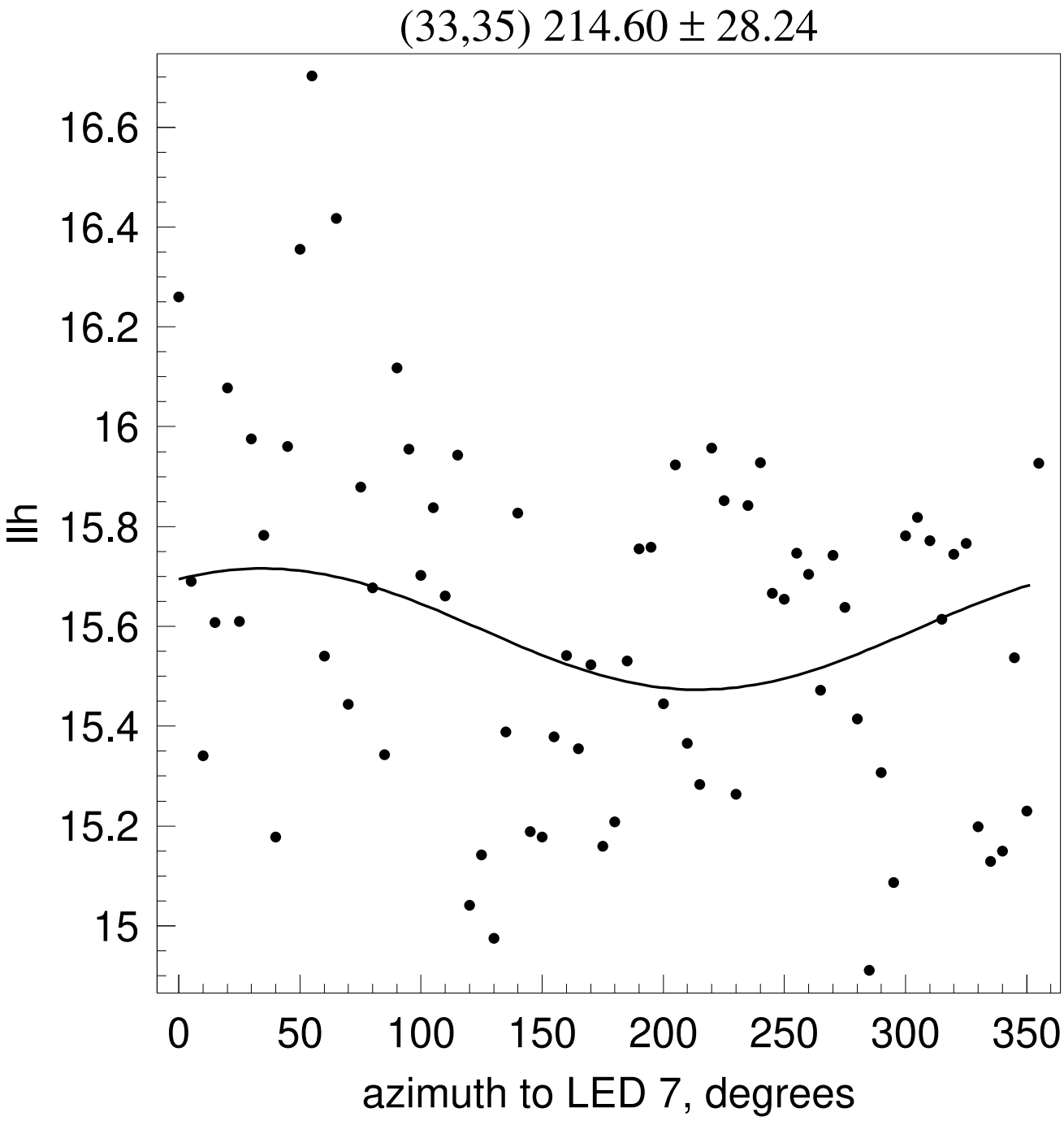

(32,35) 201.69 ± 0.00
18.6
18.4
18.2
18
17.8
17.6
17.4
17.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

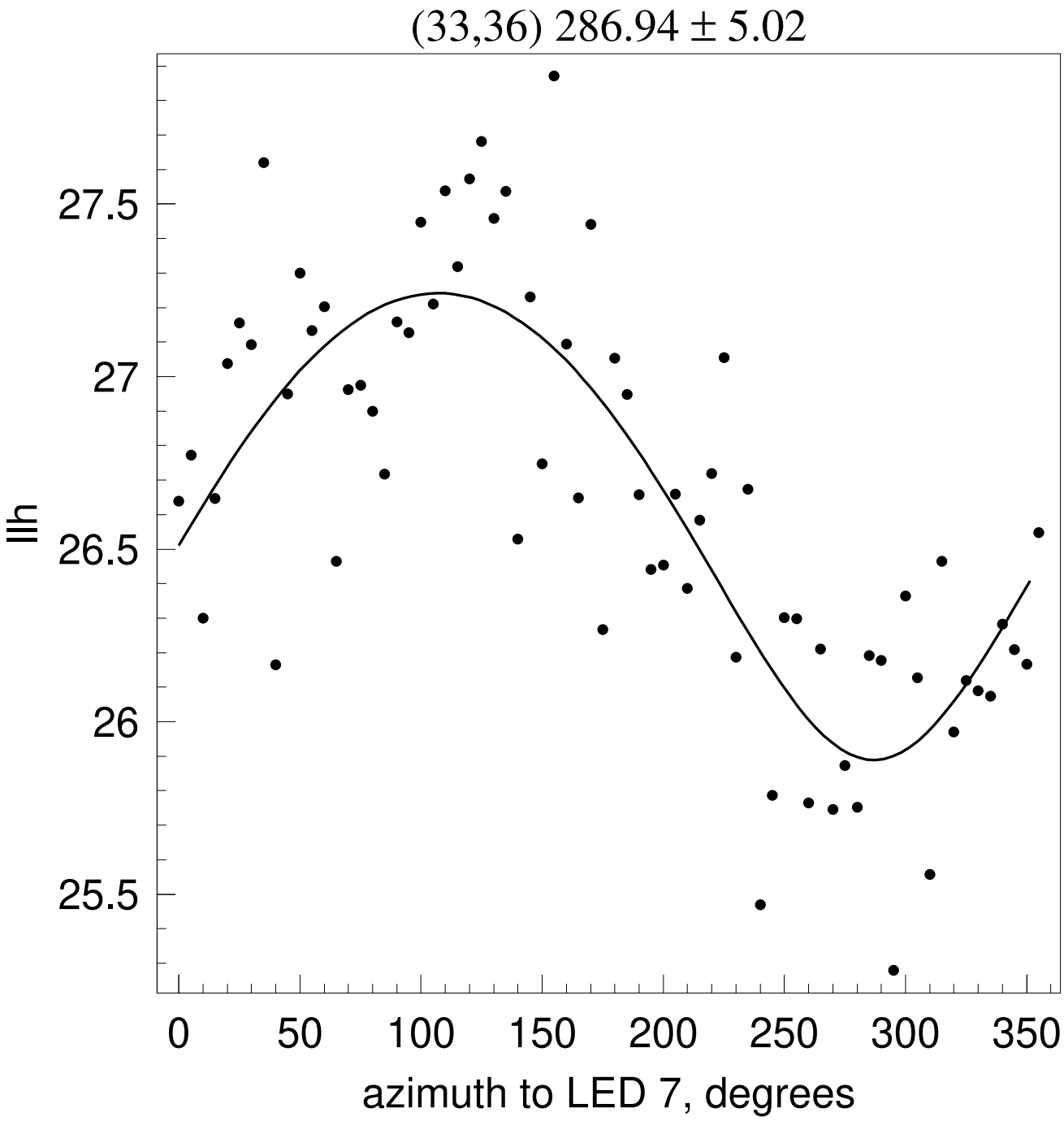

(32,36) 98.44 ± 2.56
25.5
25
24.5
24
23.5
23
22.5
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

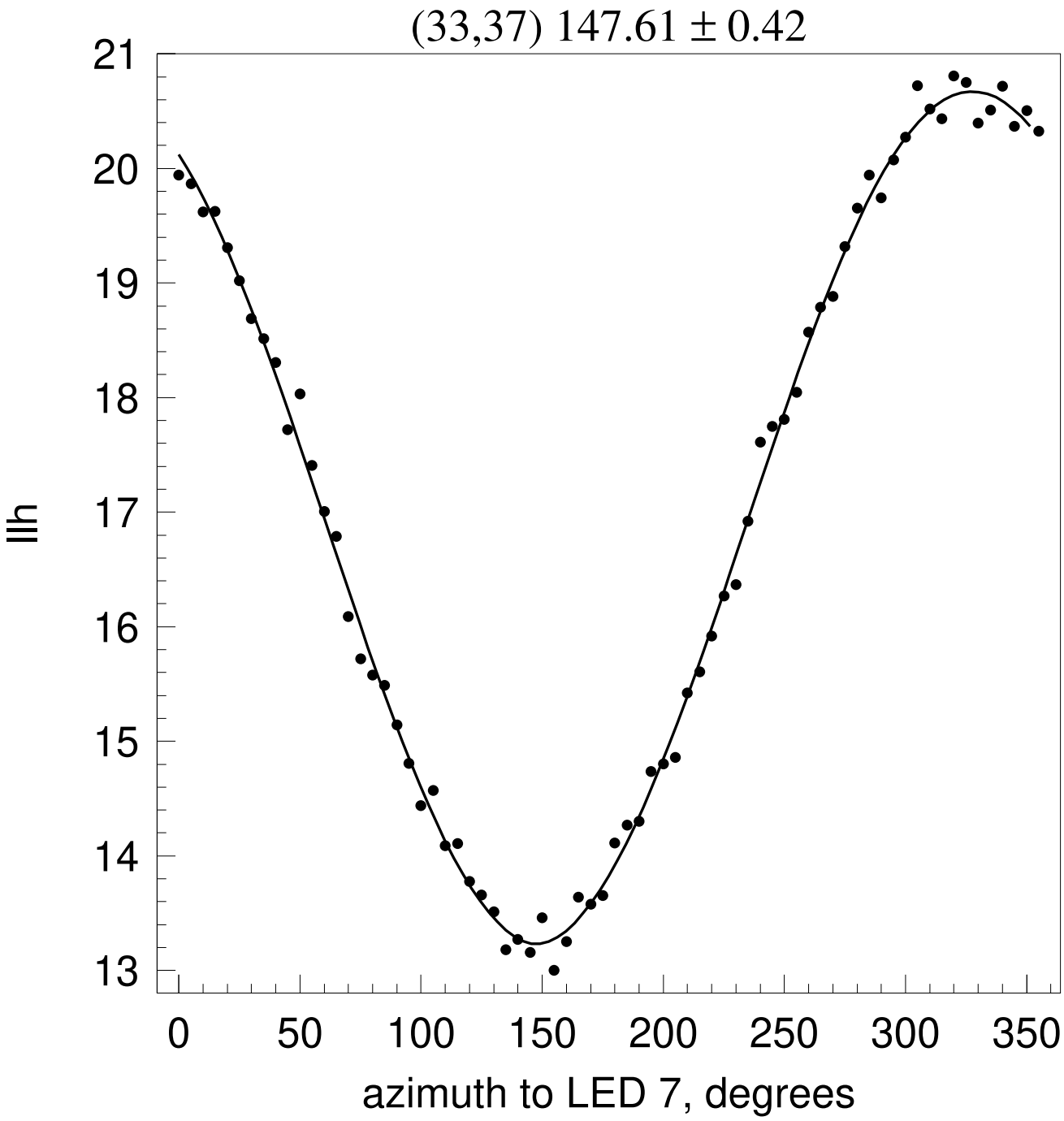

(32,37) 337.43 ± 0.23
24
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

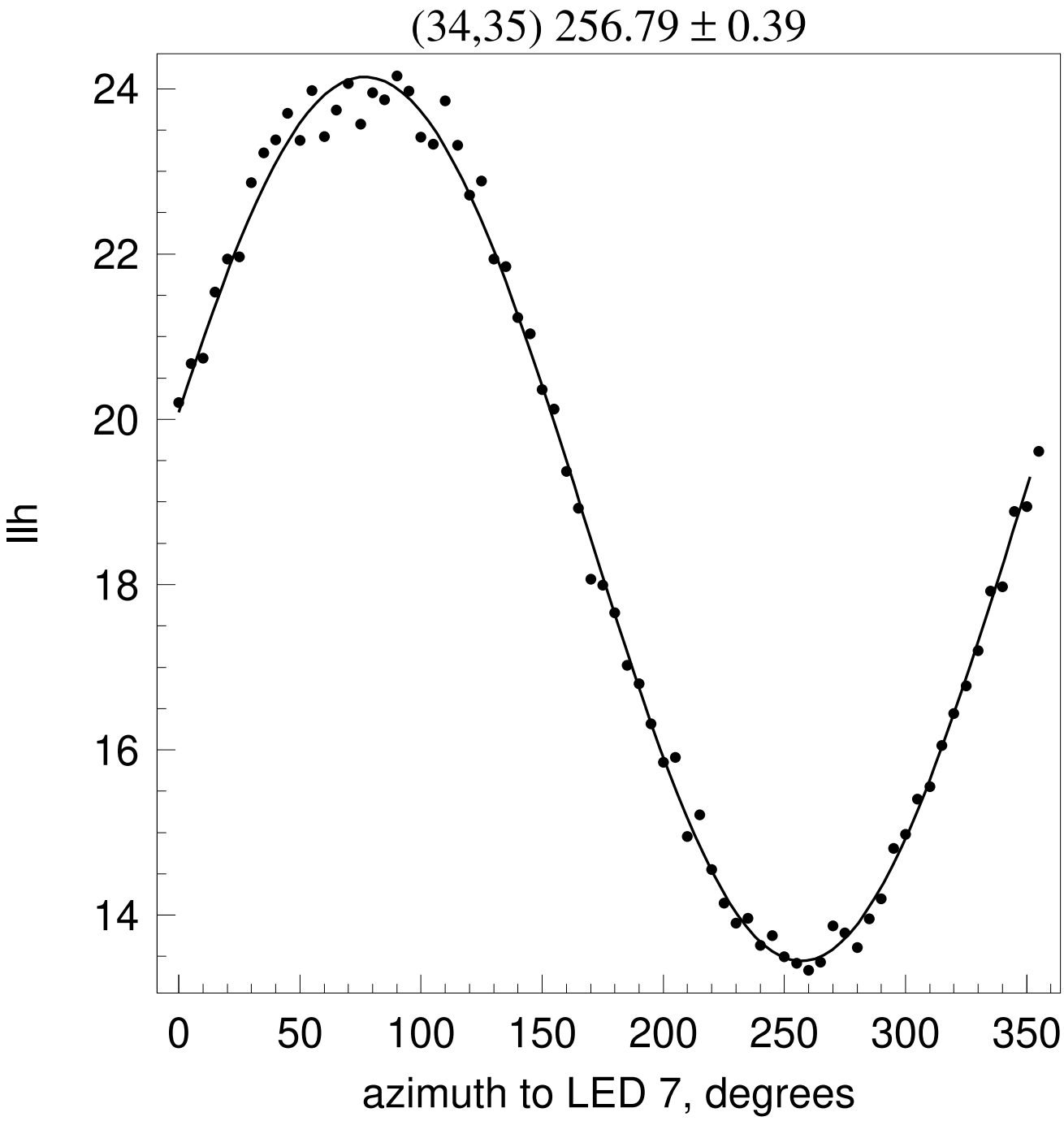

(33,33) 58.00 ± 0.36
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

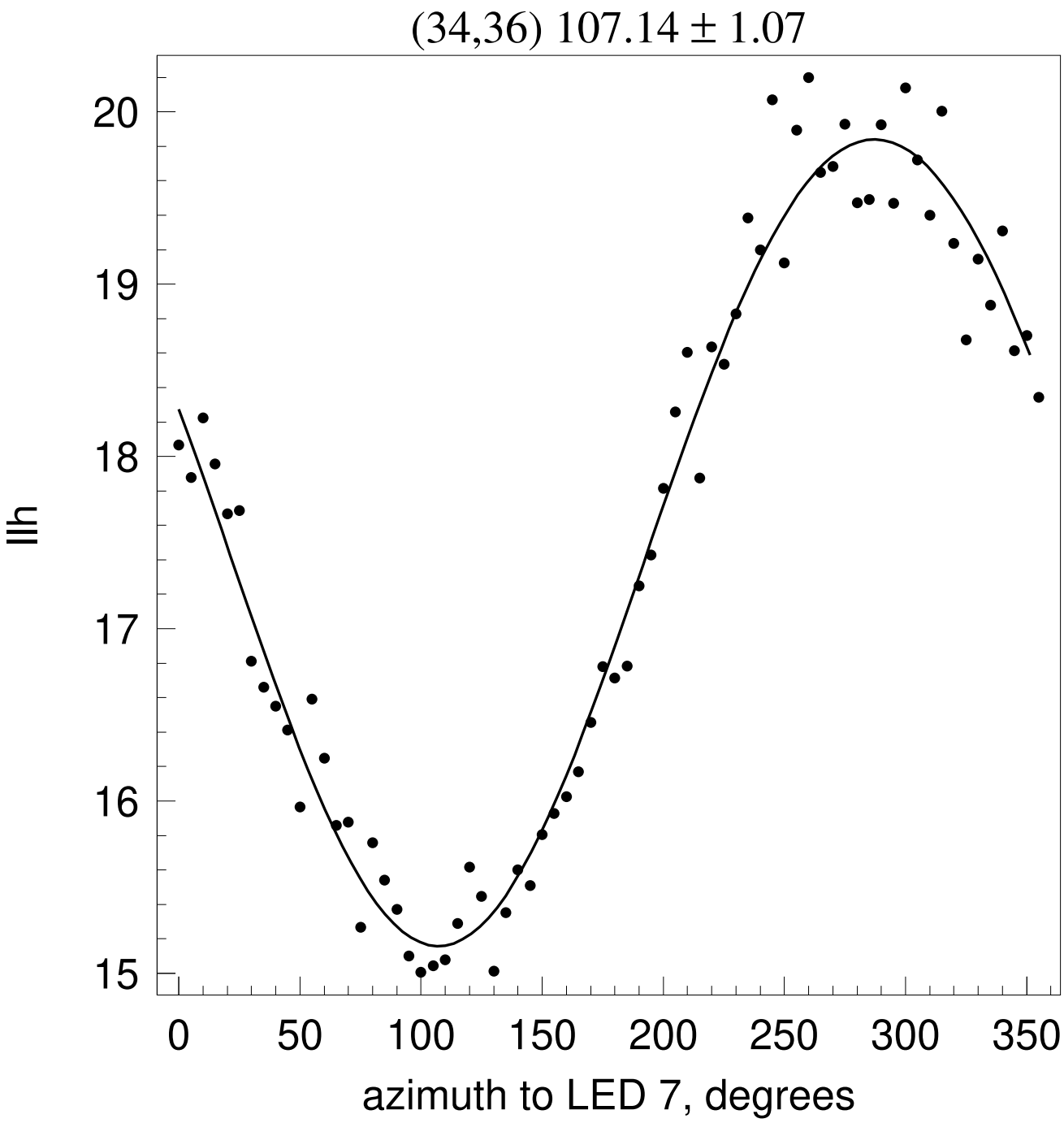

(33,34) 119.69 ± 0.48
24
22
20
18
16
14
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

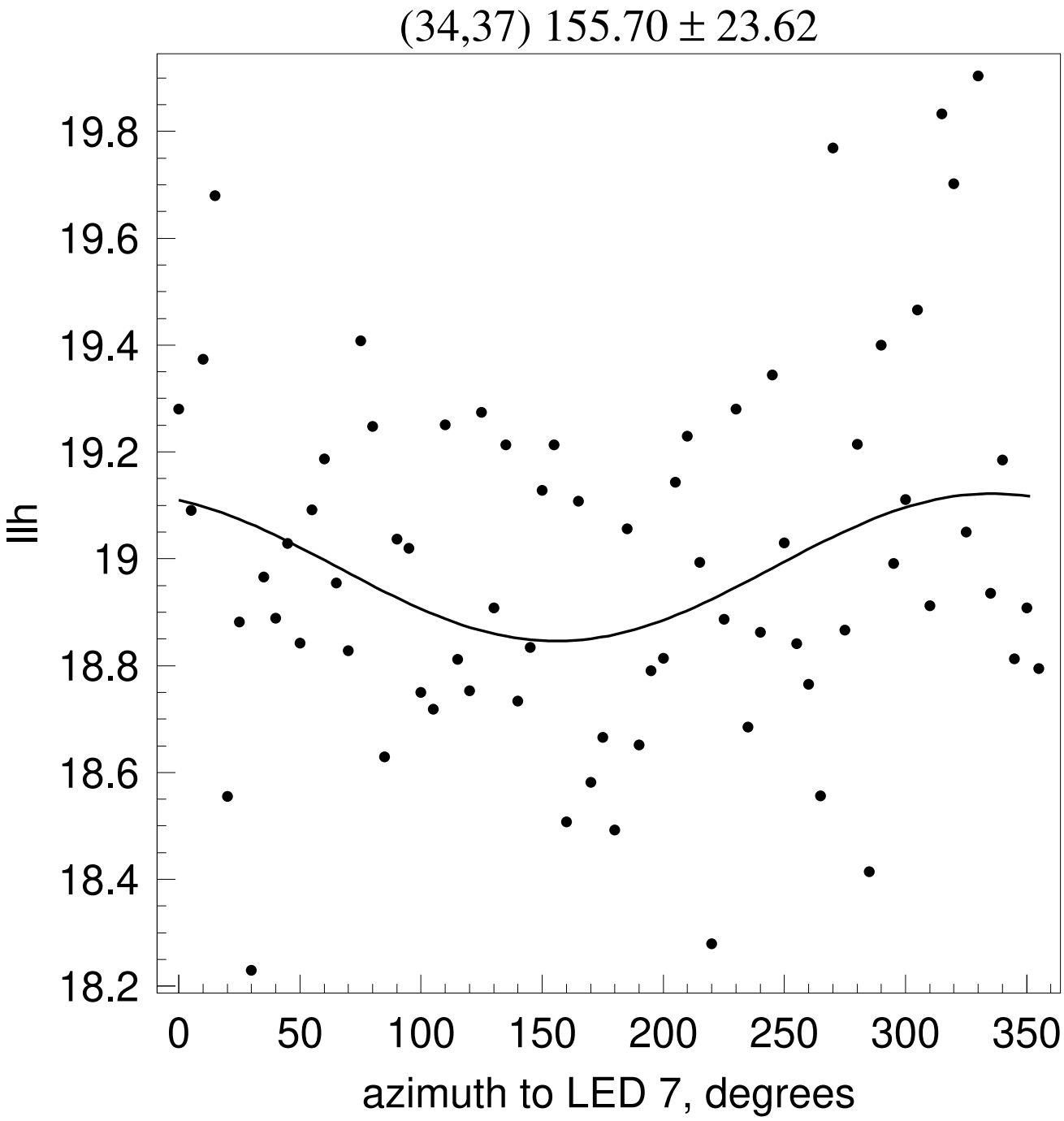

(33,35) 214.60 ± 28.24
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

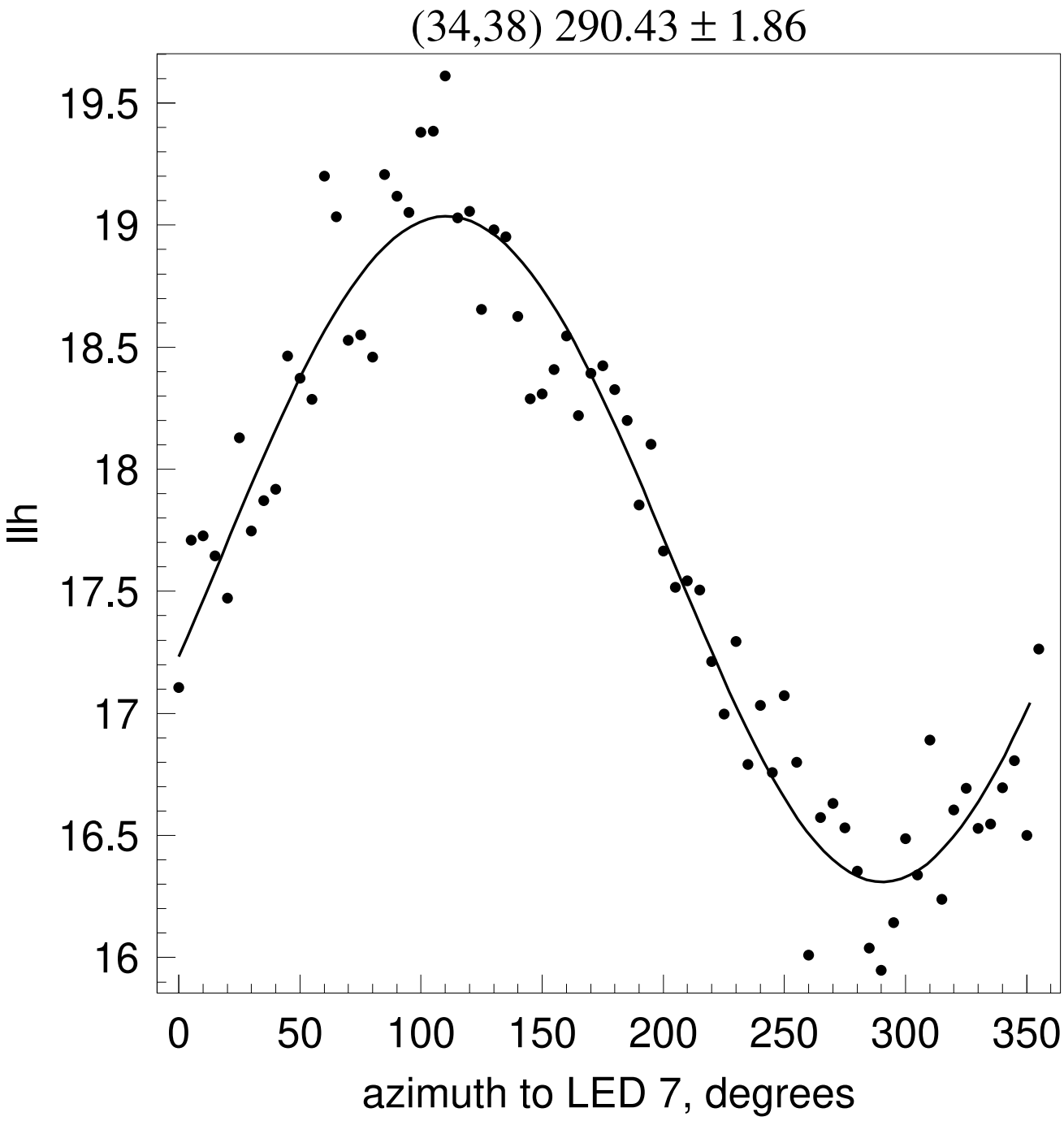

(33,36) 286.94 ± 5.02
27.5
27
26.5
26
25.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

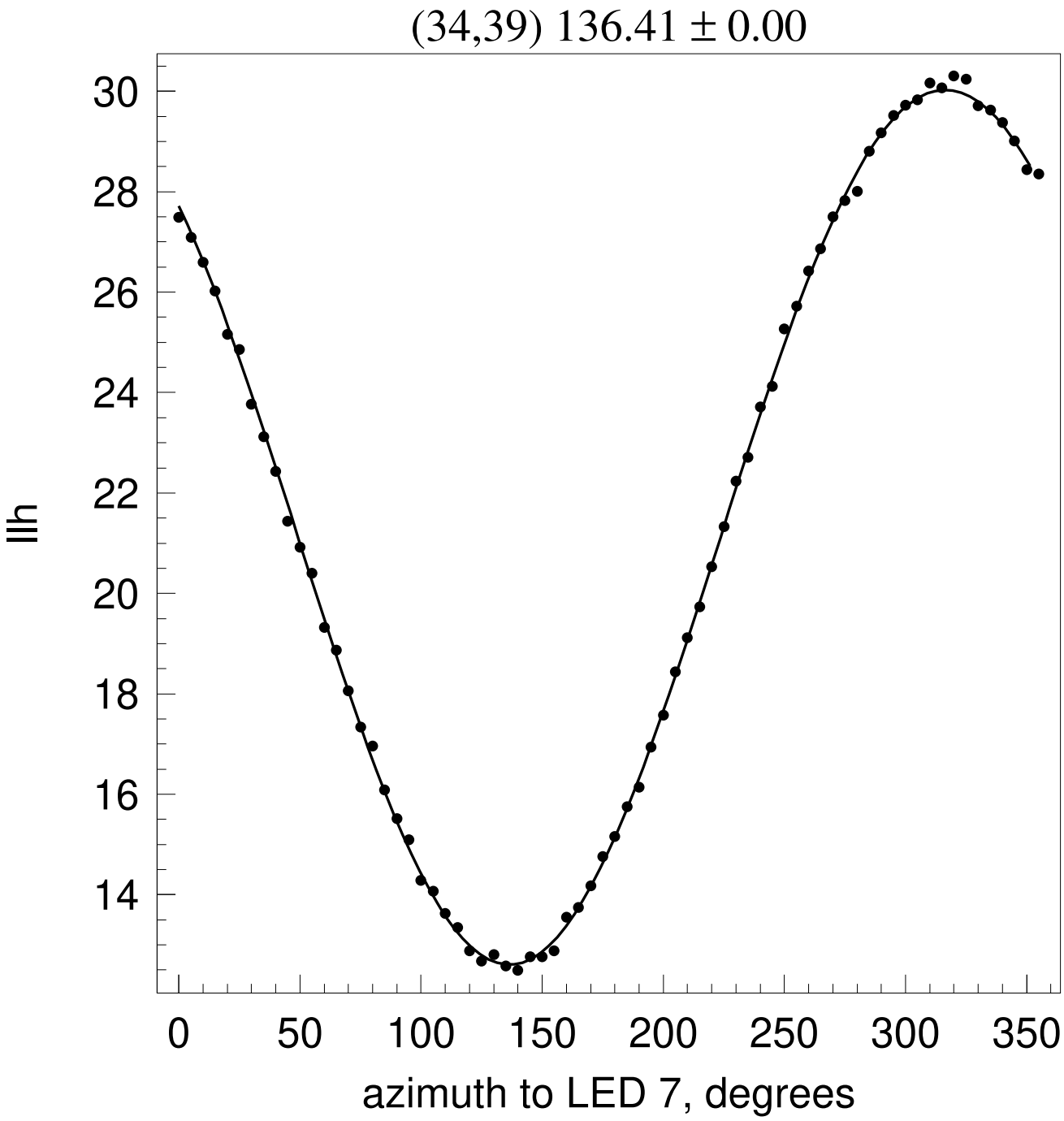

(33,37) 147.61 ± 0.42
21
20
19
18
17
16
15
14
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

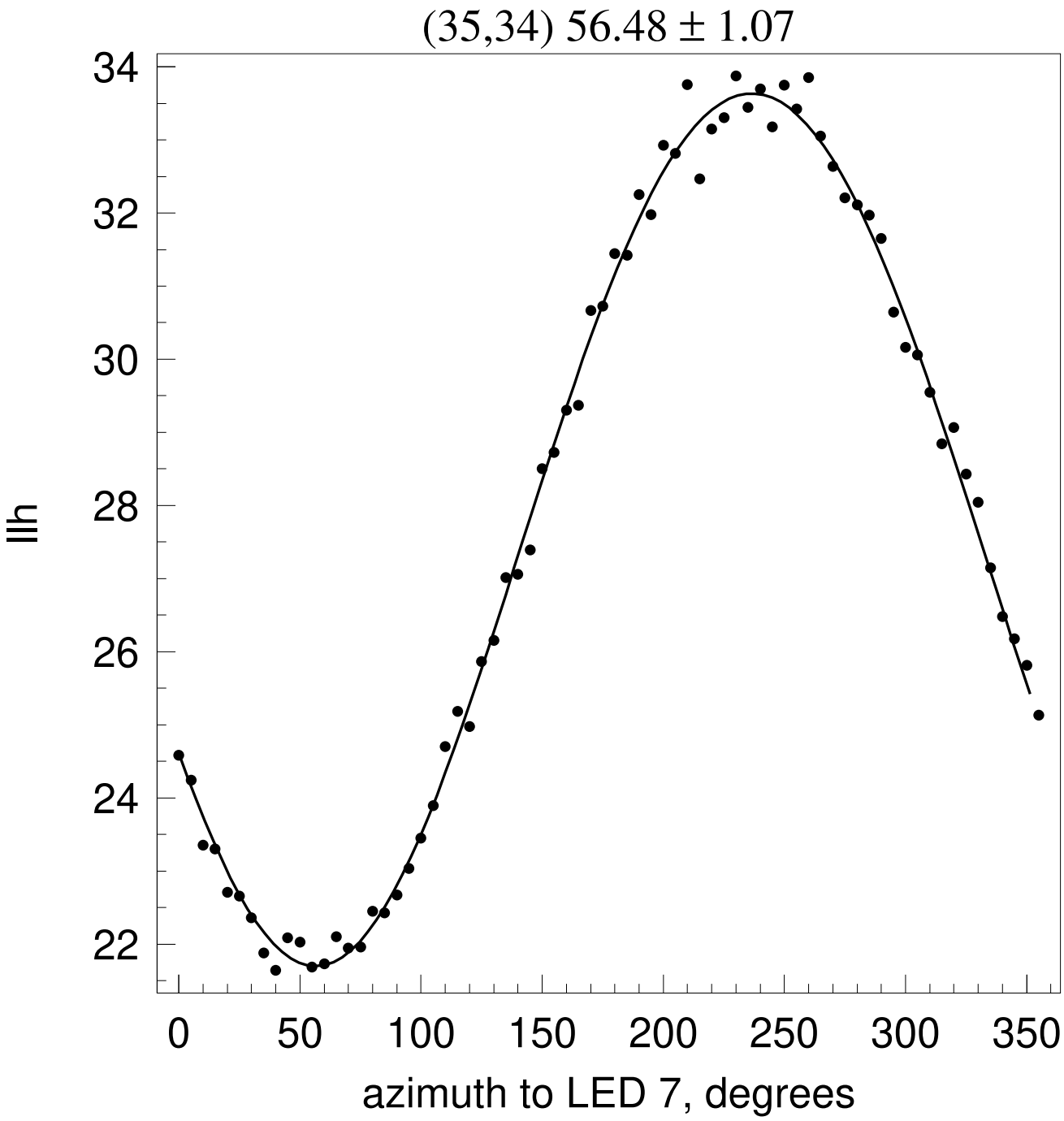

(34,35) 256.79 ± 0.39
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

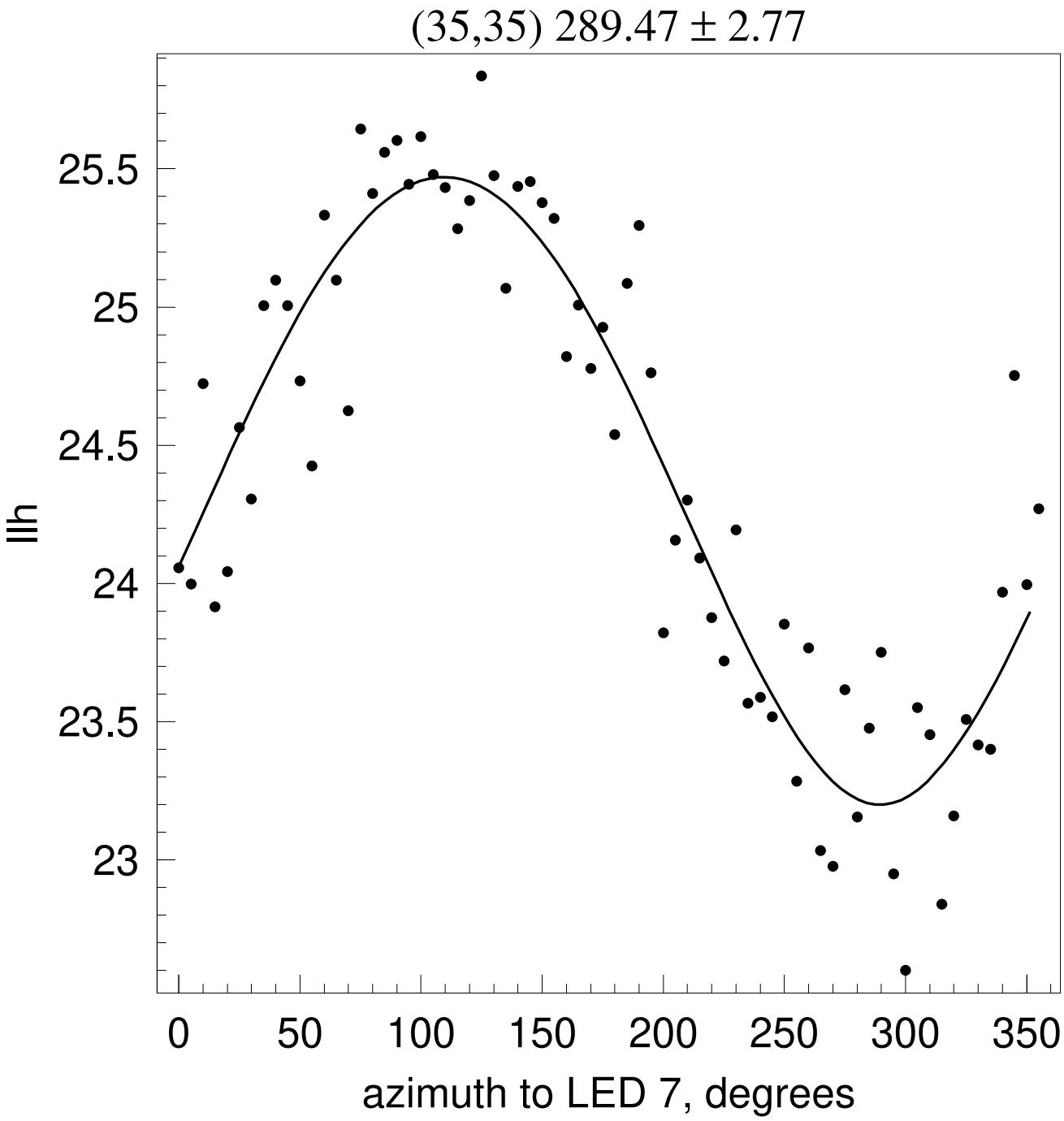

(34,36) 107.14 ± 1.07
20
19
18
17
16
15
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

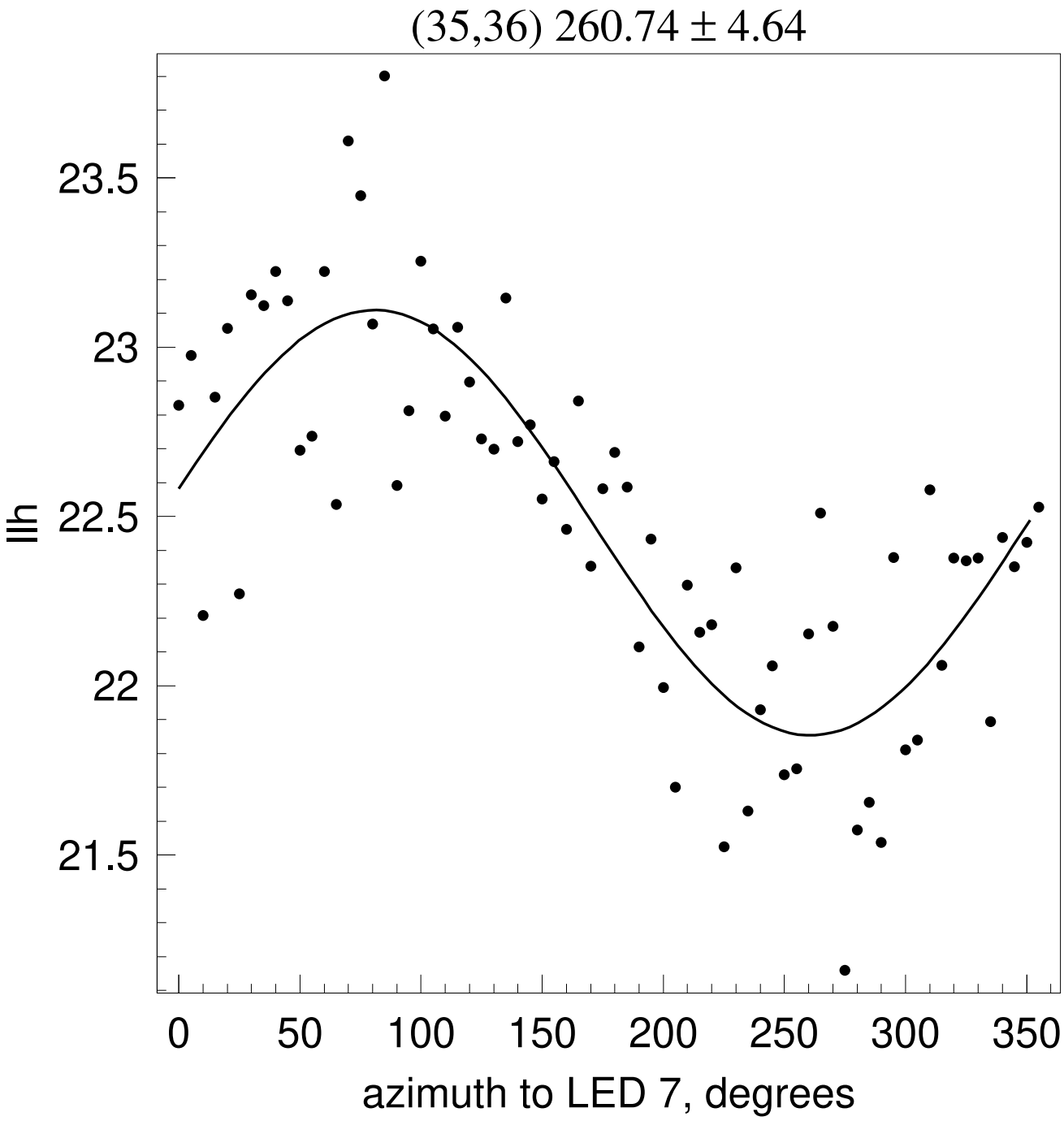

(34,37) 155.70 ± 23.62
19.8
19.6
19.4
19.2
19
18.8
18.6
18.4
18.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

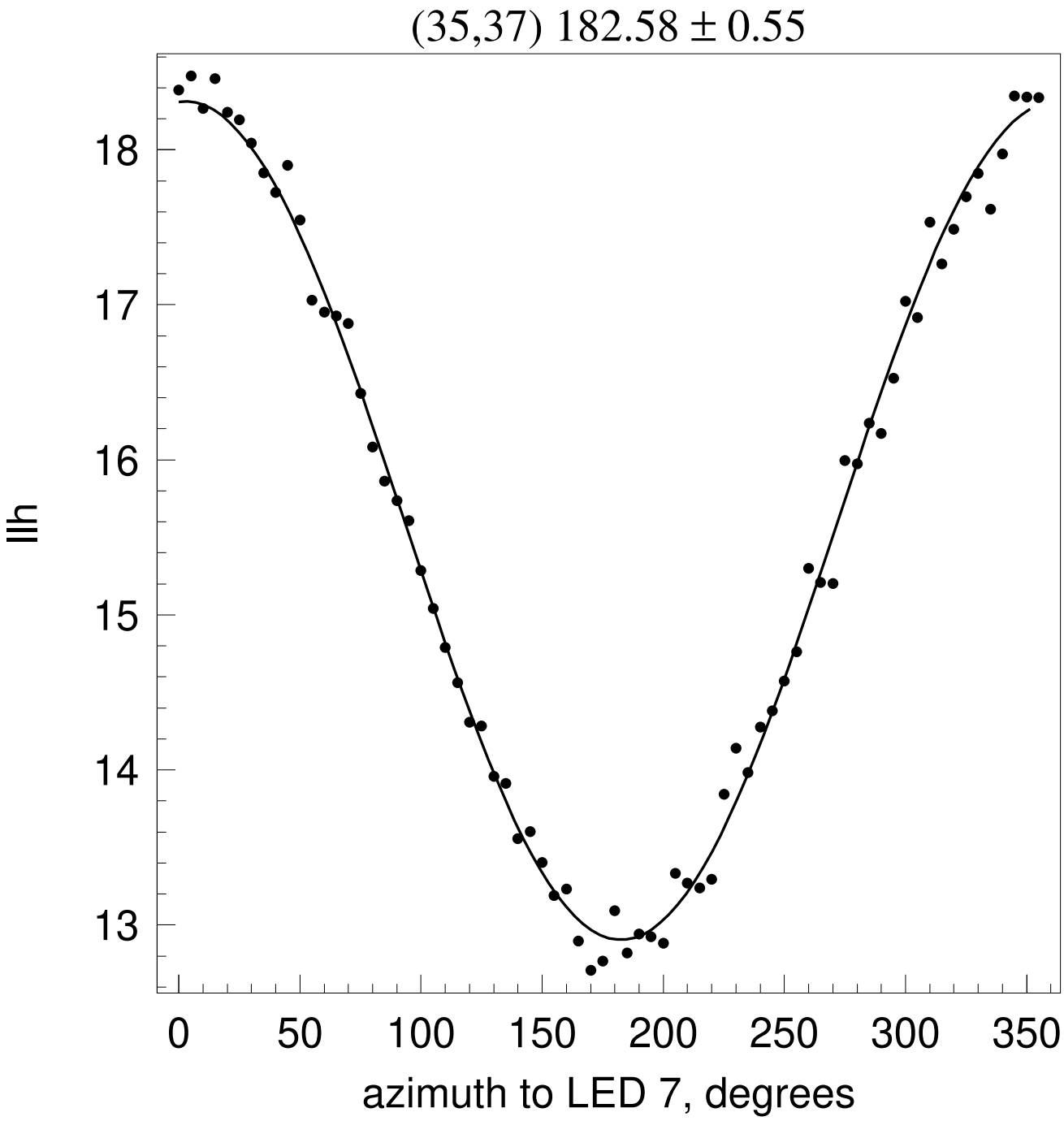

(34,38) 290.43 ± 1.86
19.5
19
18.5
18
17.5
17
16.5
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

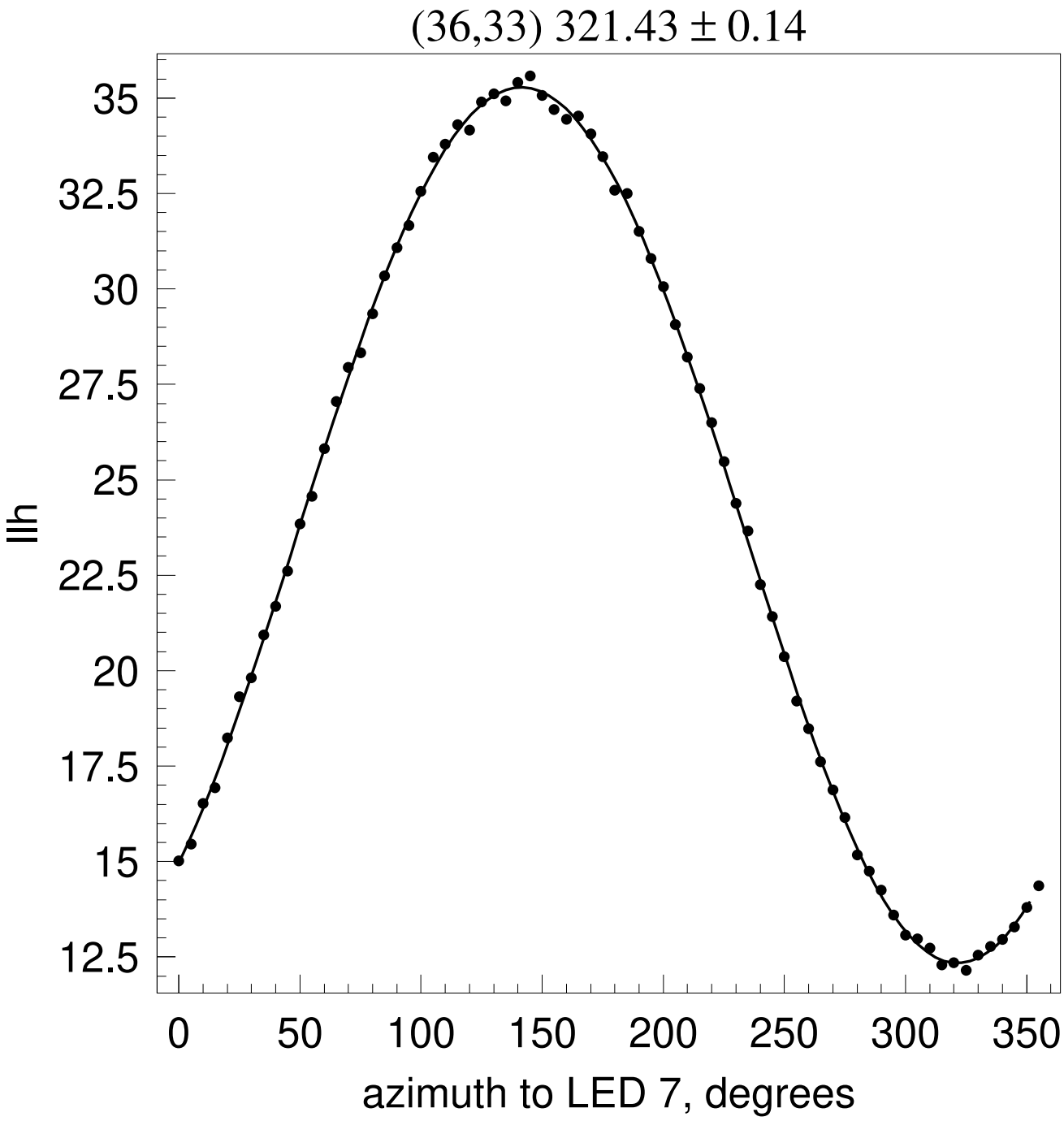

(34,39) 136.41 ± 0.00
30
28
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

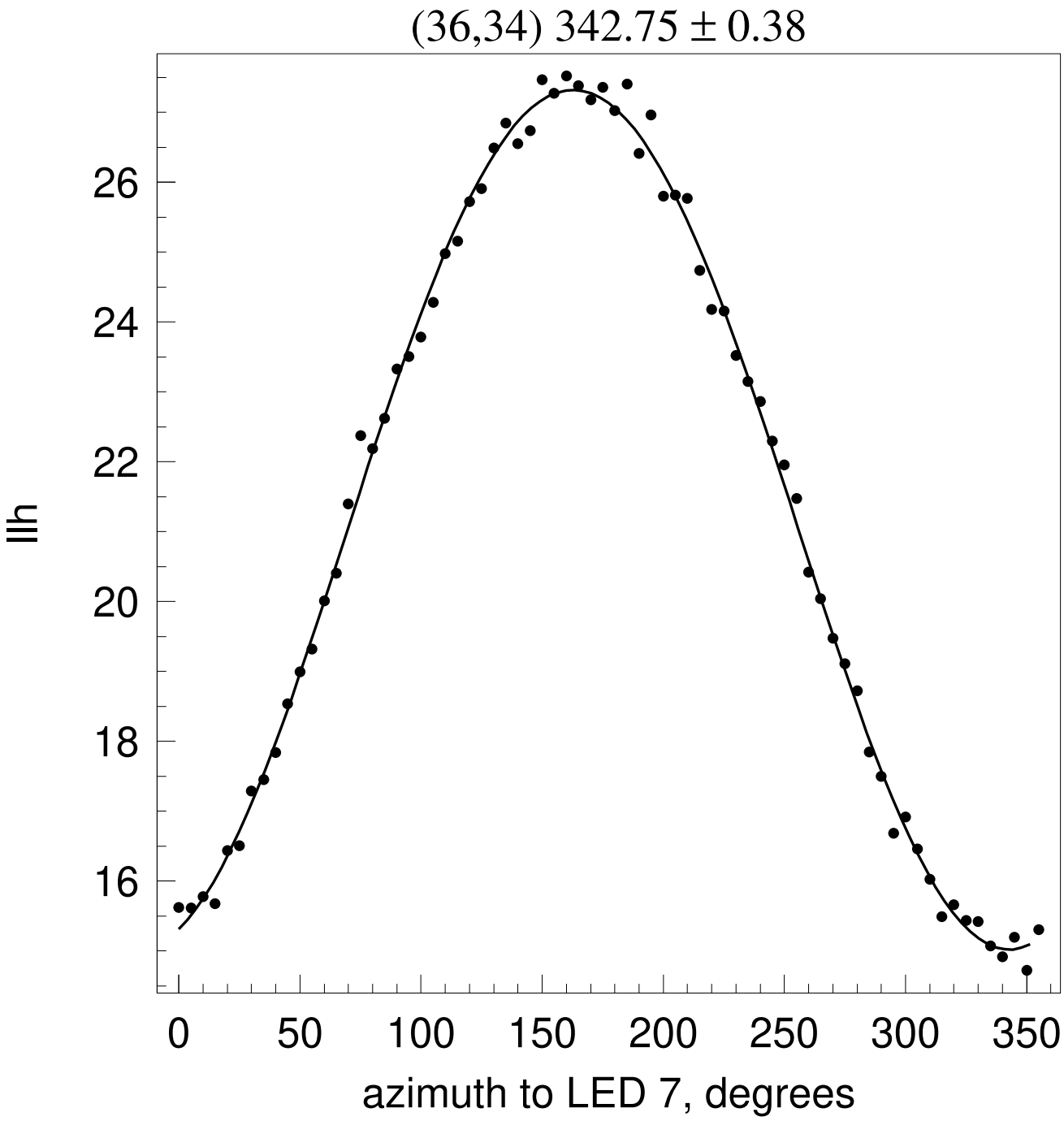

(35,34) 56.48 ± 1.07
34
32
30
28
26
24
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

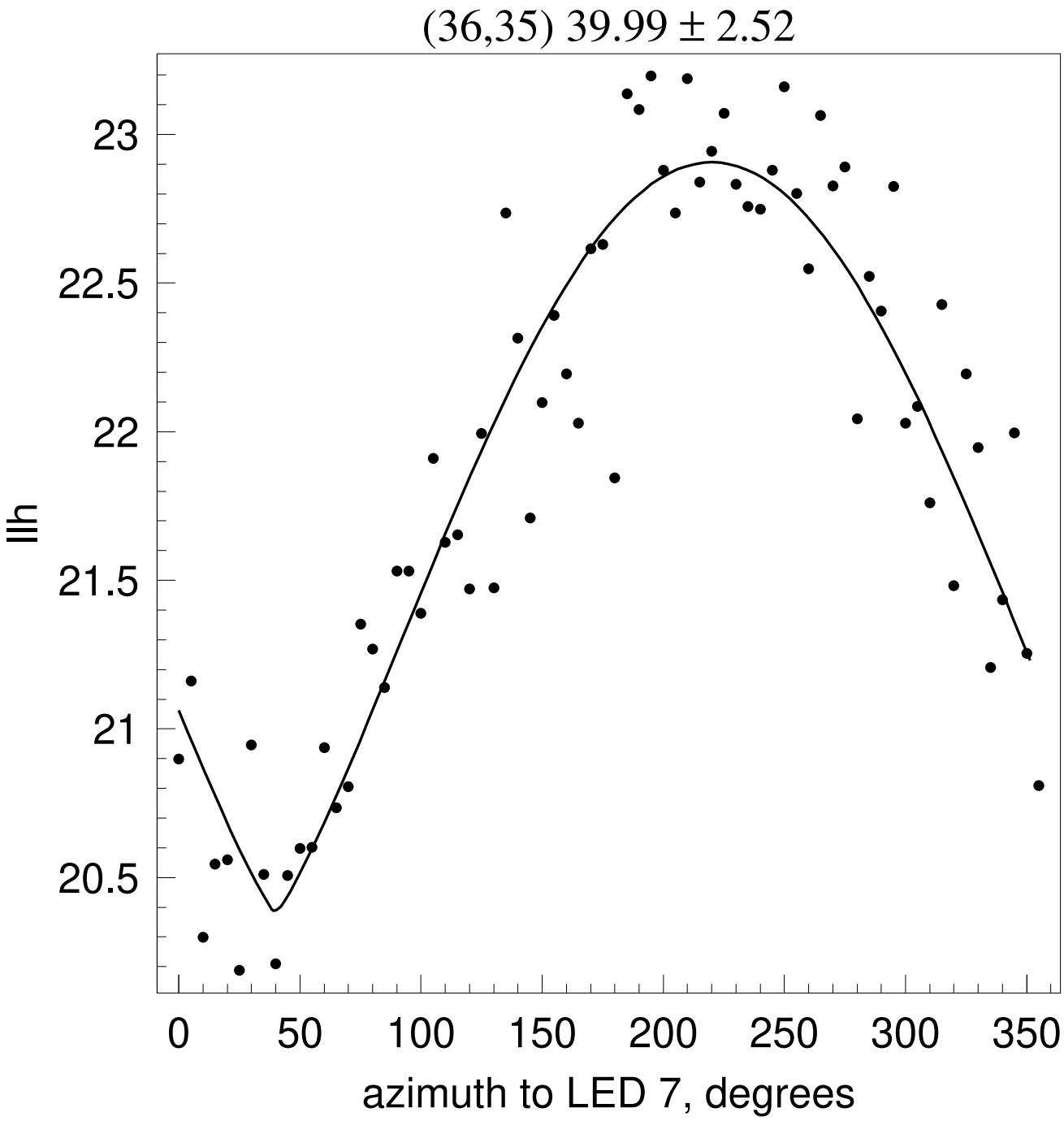

(35,35) 289.47 ± 2.77
25.5
25
24.5
24
23.5
23
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

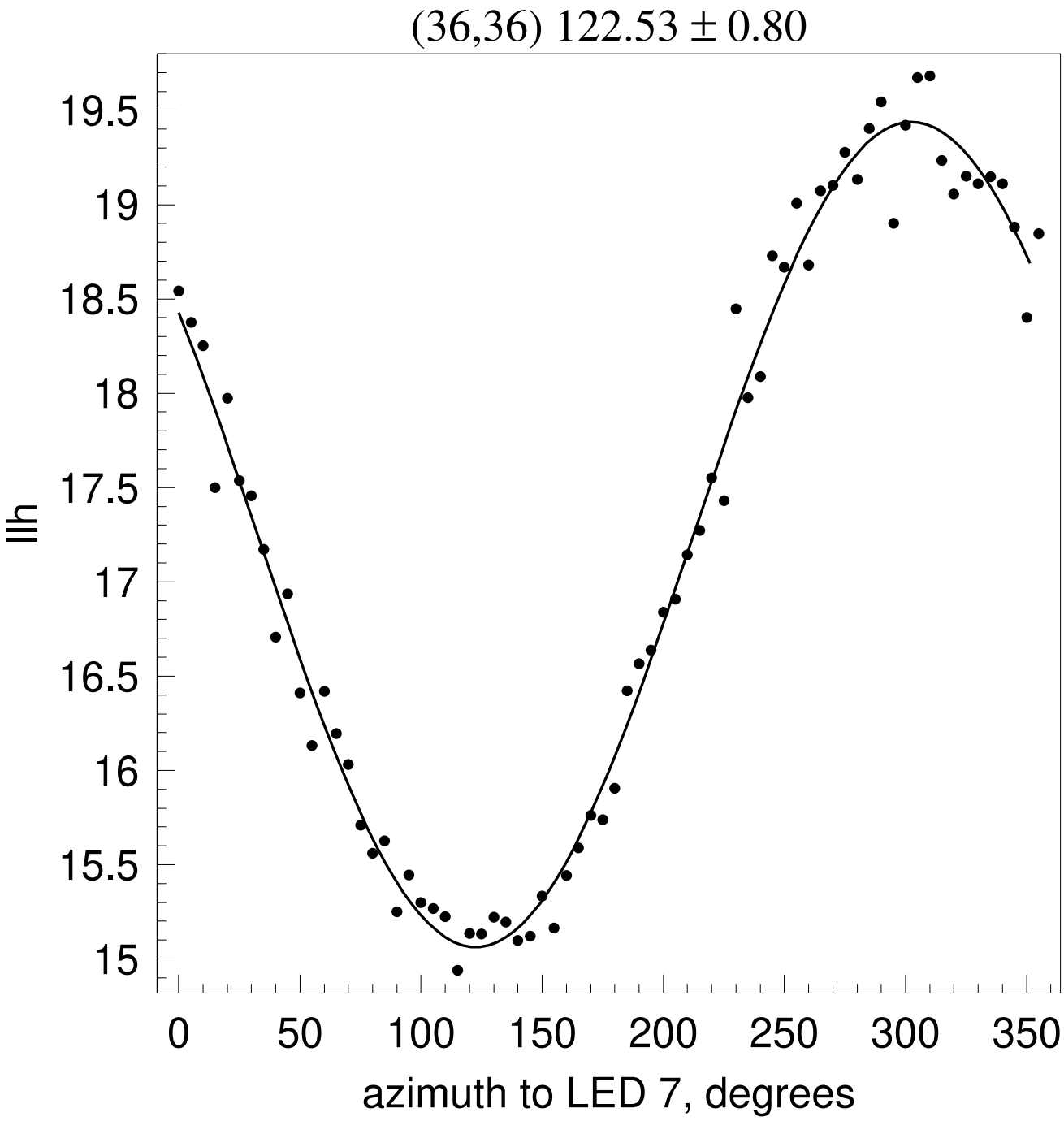

(35,36) 260.74 ± 4.64
23.5
23
22.5
22
21.5
lln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

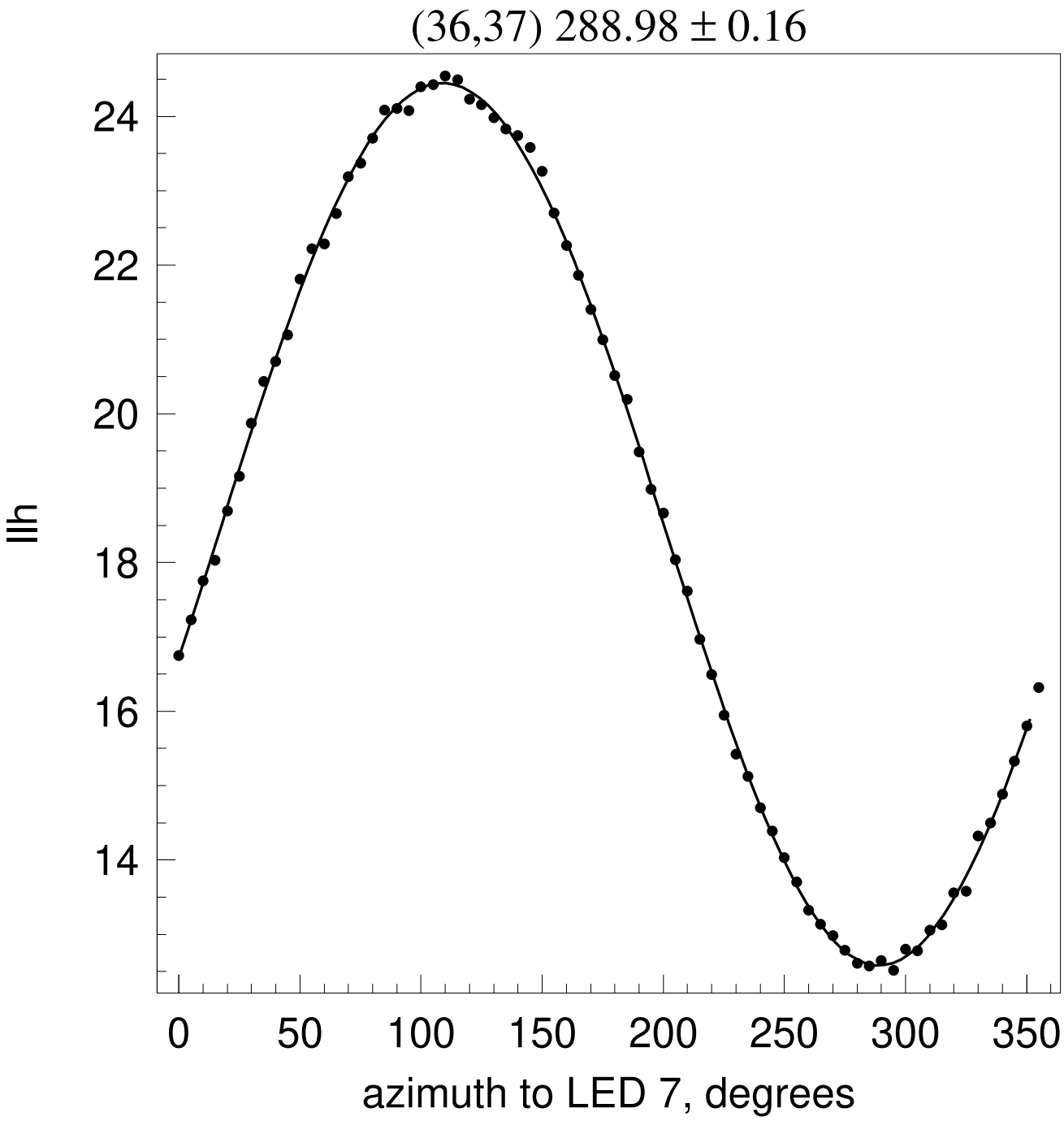

(35,37) 182.58 ± 0.55
18
17
16
15
14
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

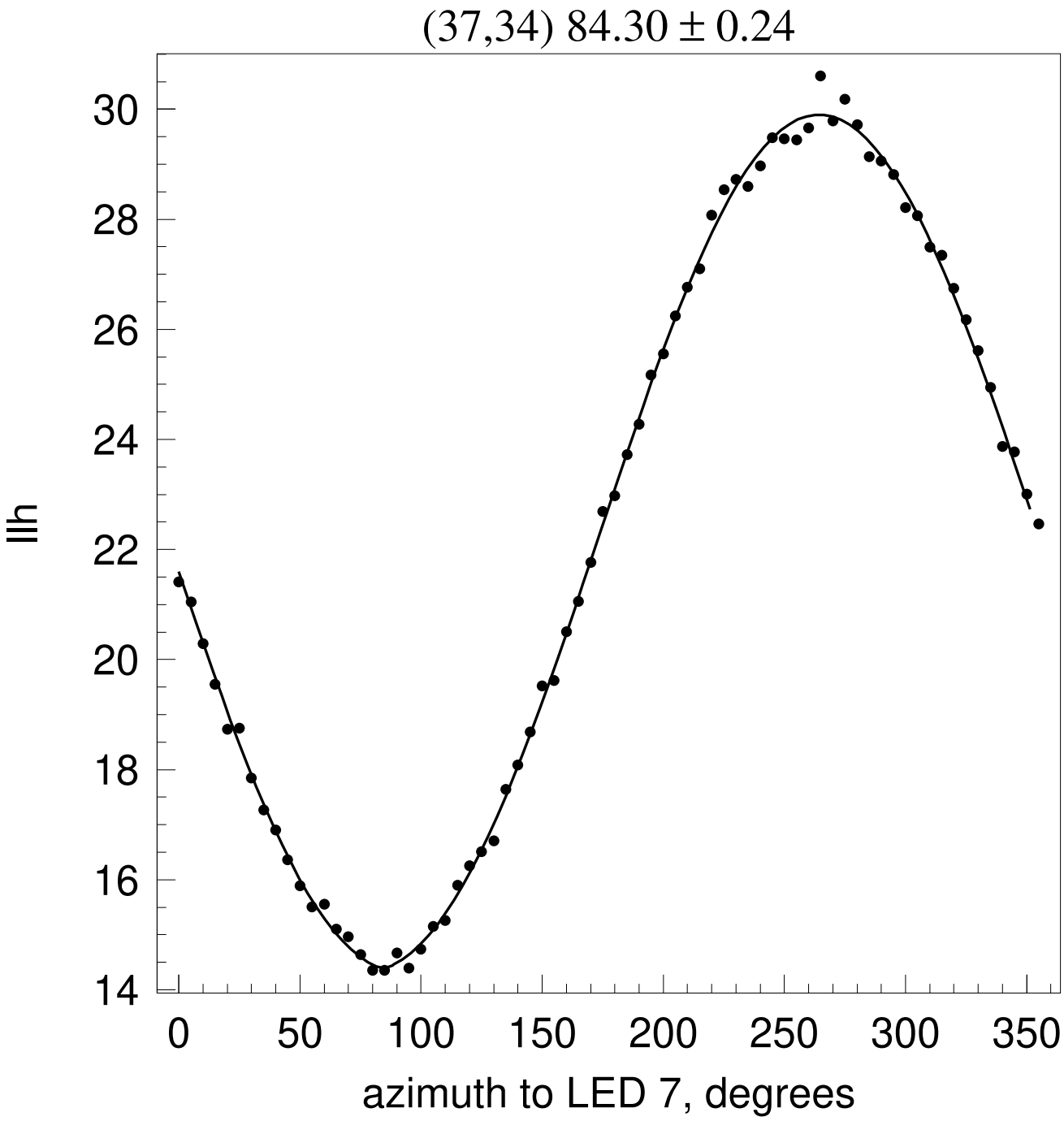

(36,33) 321.43 ± 0.14
35
32.5
30
27.5
25
22.5
20
17.5
15
12.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

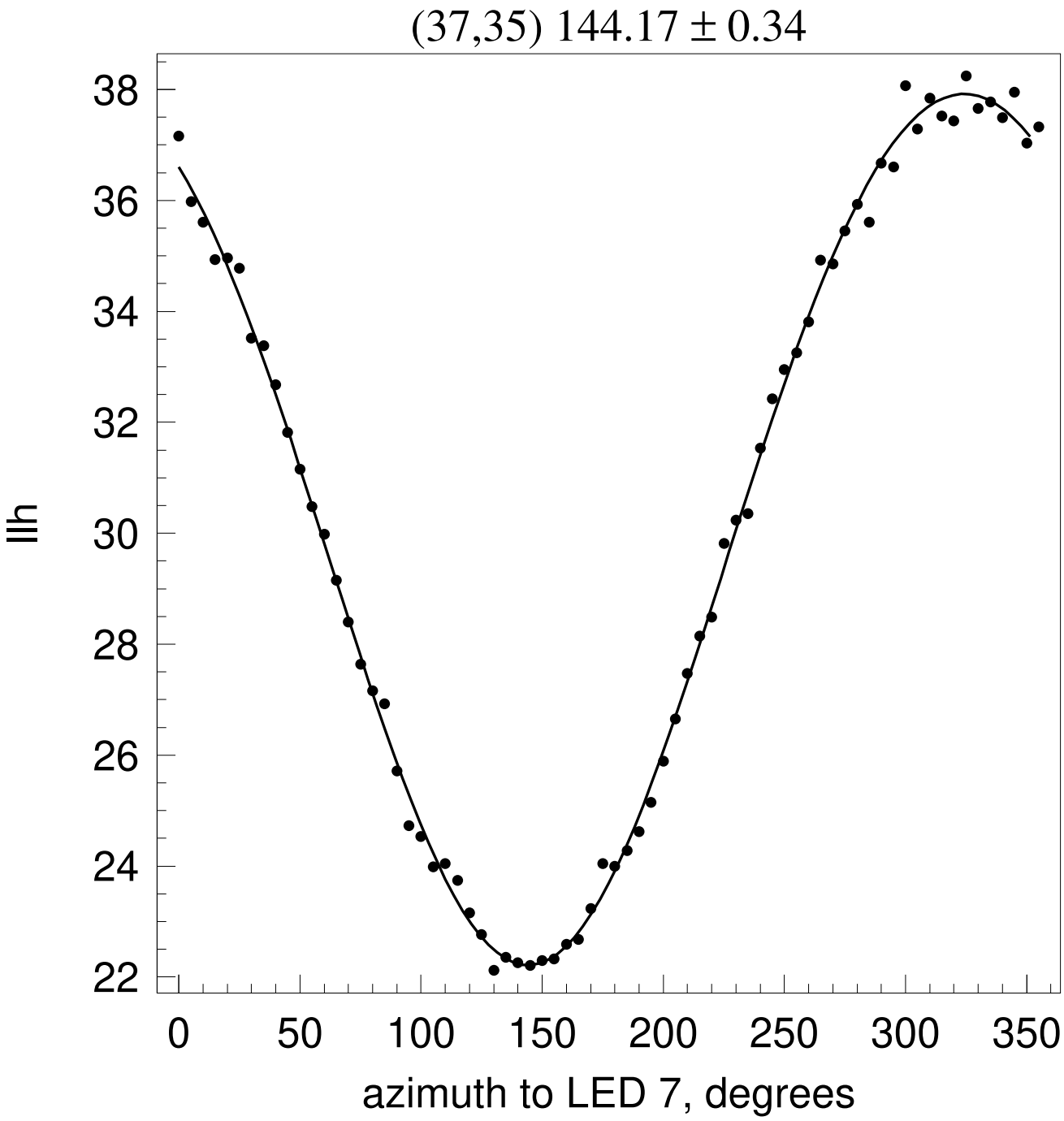

(36,34) 342.75 ± 0.38
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

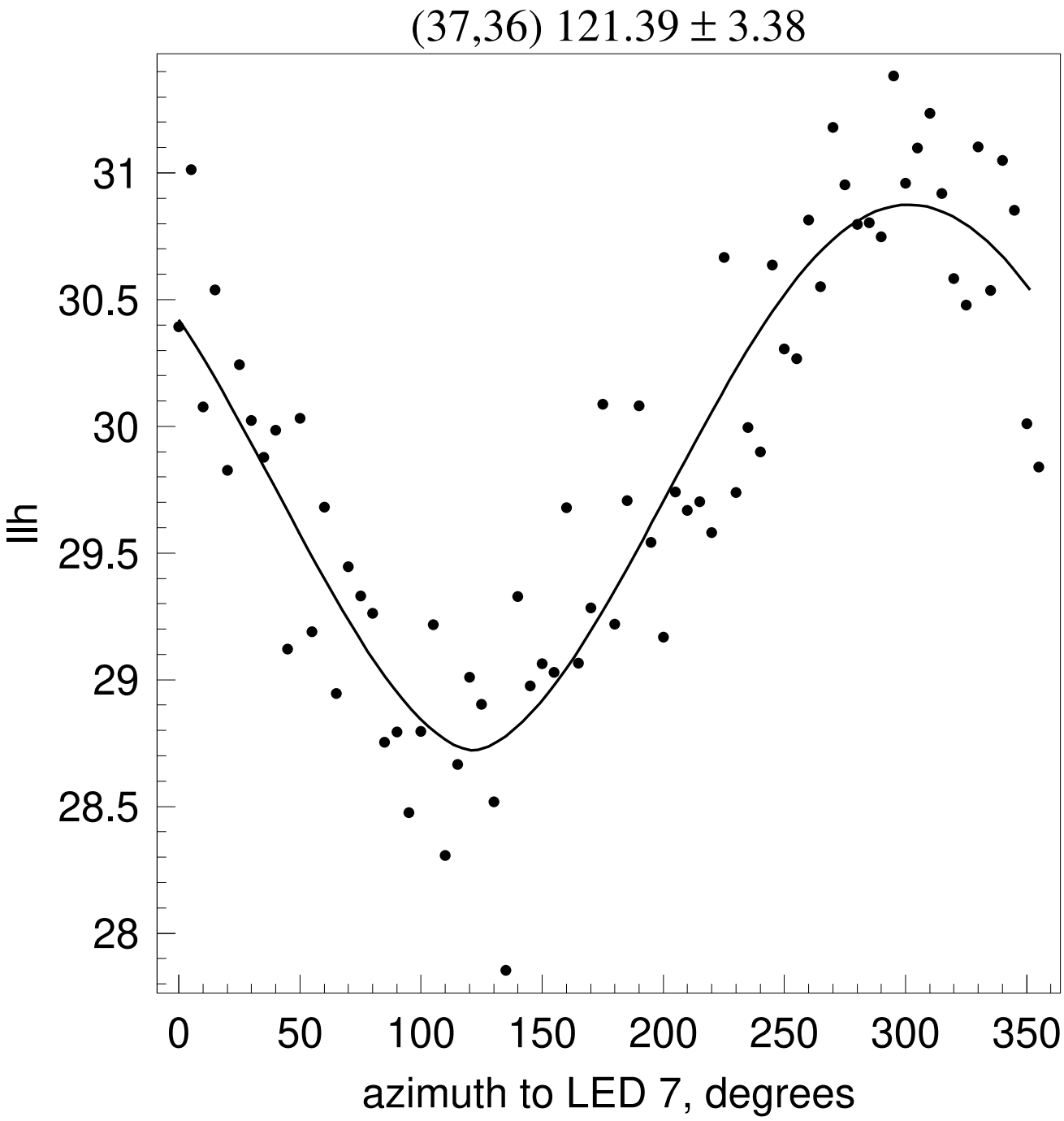

(36,35) 39.99 ± 2.52
23
22.5
22
21.5
21
20.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

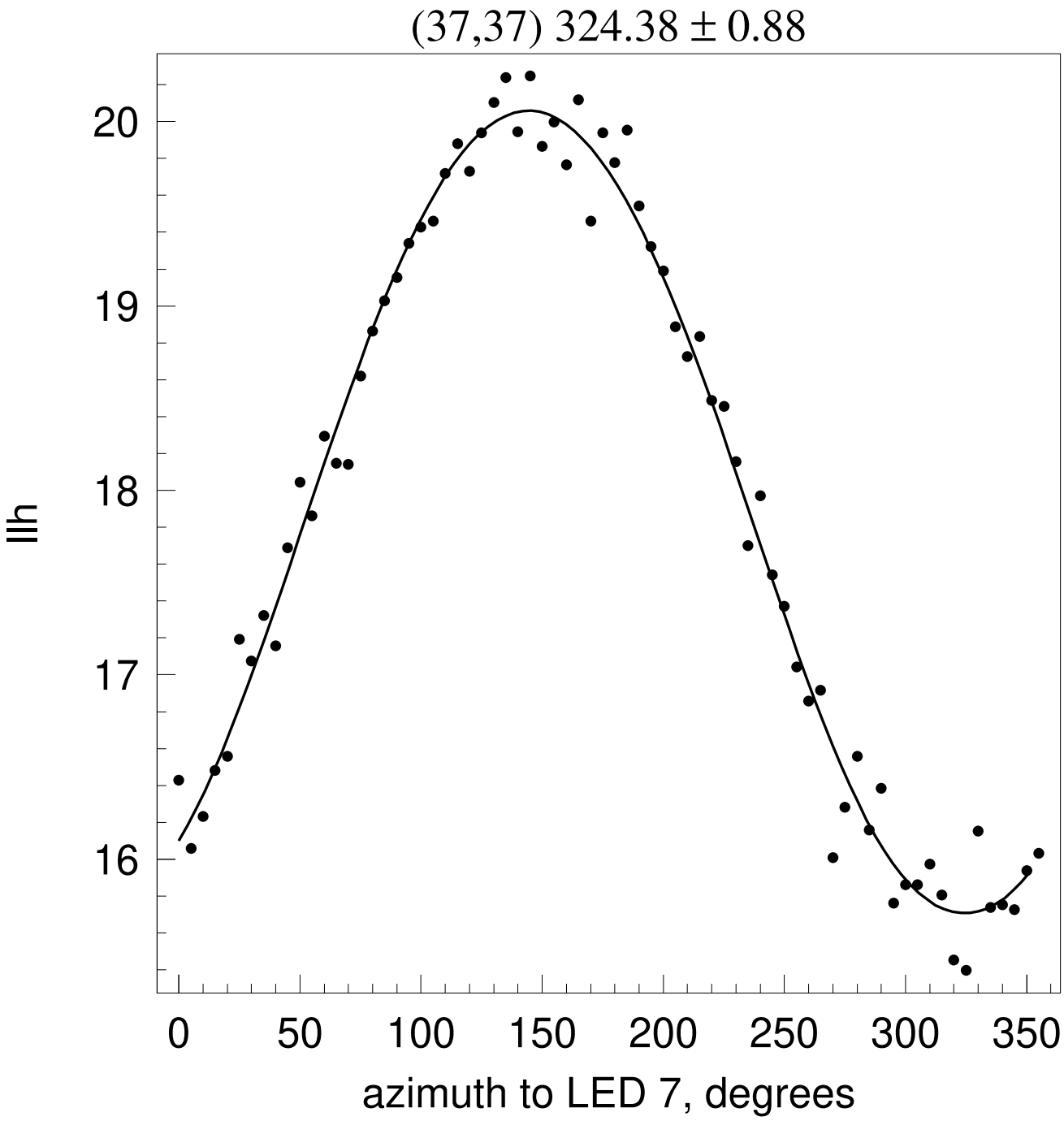

(36,36) 122.53 ± 0.80
19.5
19
18.5
18
17.5
17
16.5
16
15.5
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

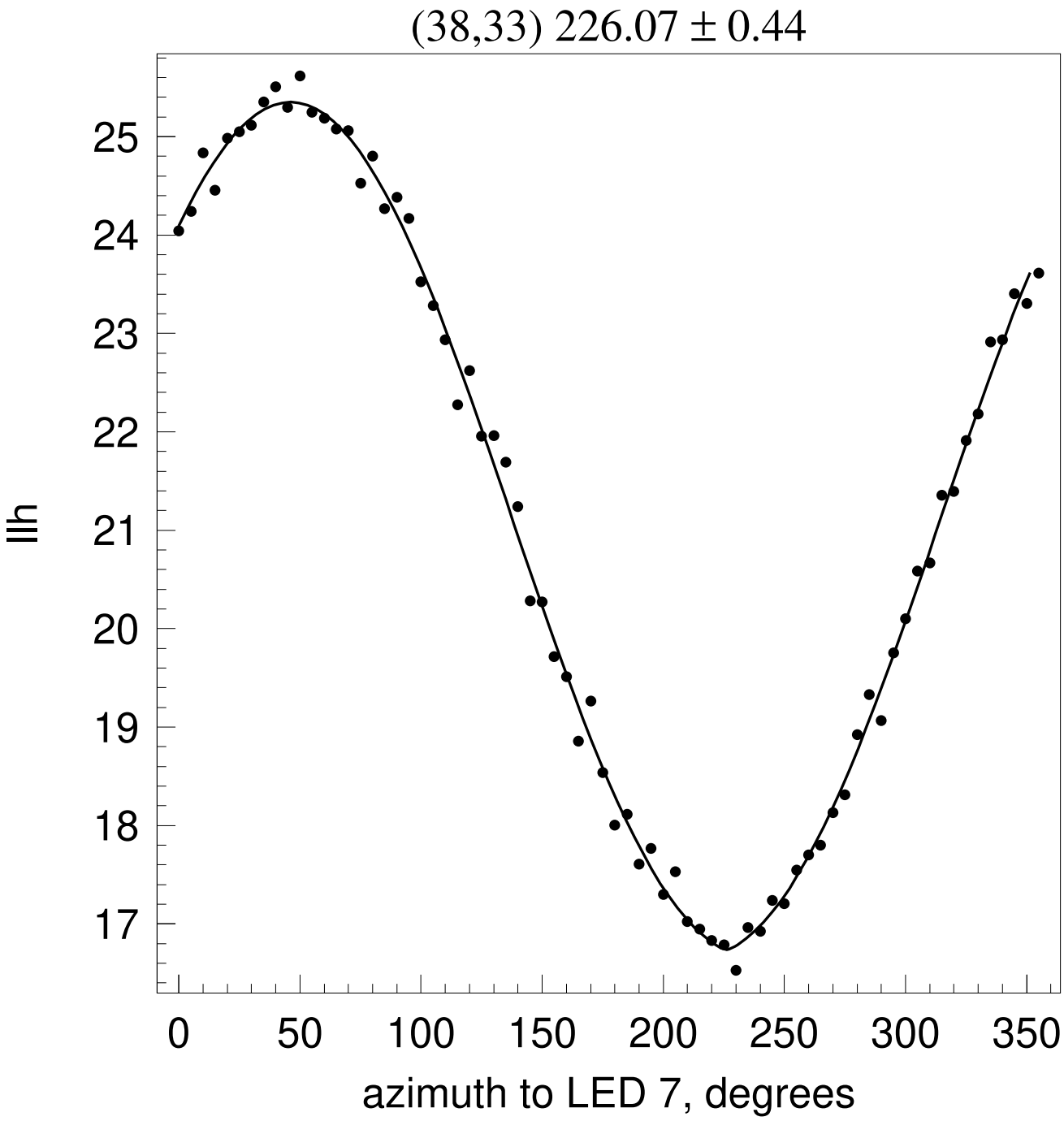

(36,37) 288.98 ± 0.16
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

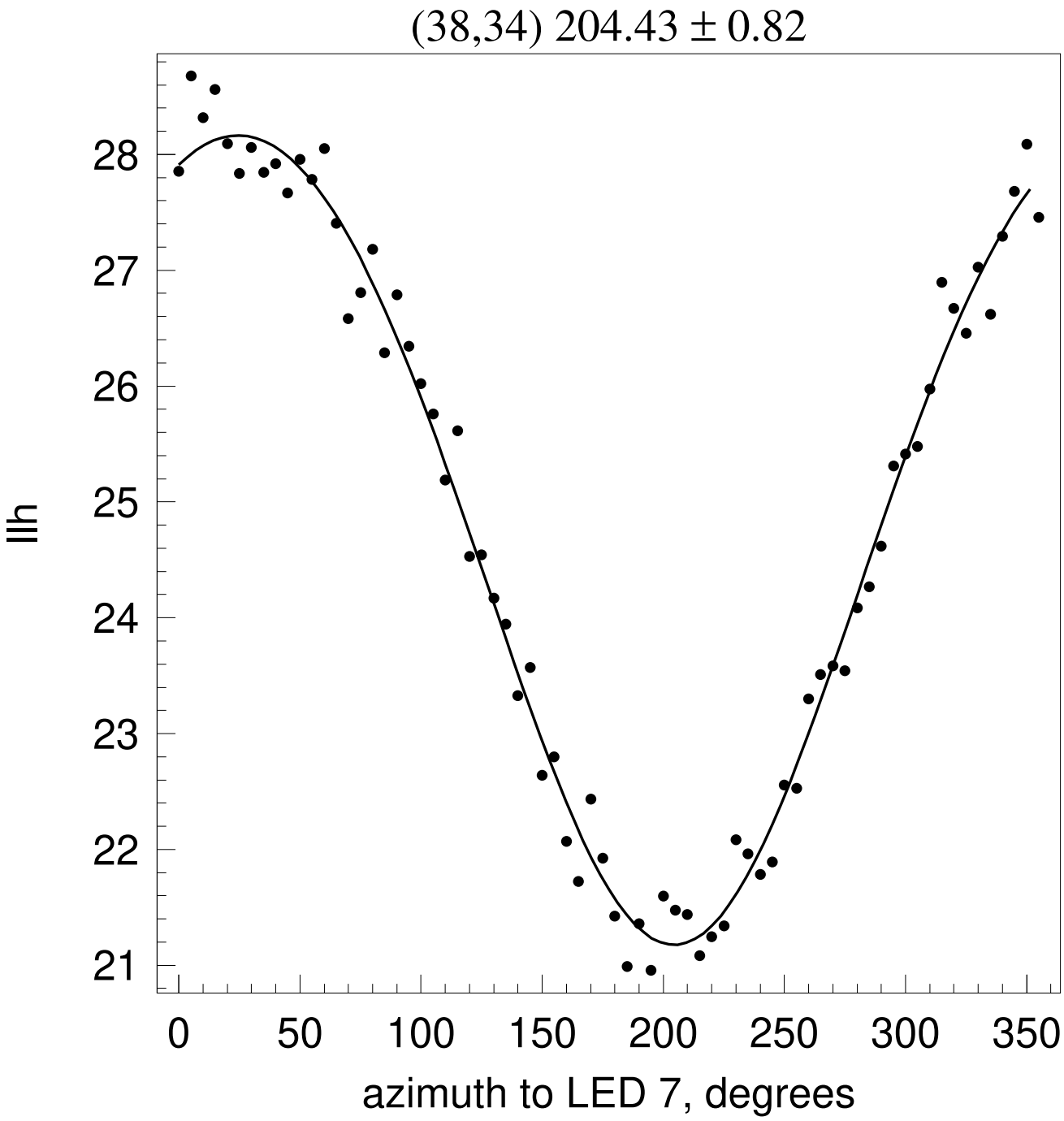

(37,34) 84.30 ± 0.24
30
28
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

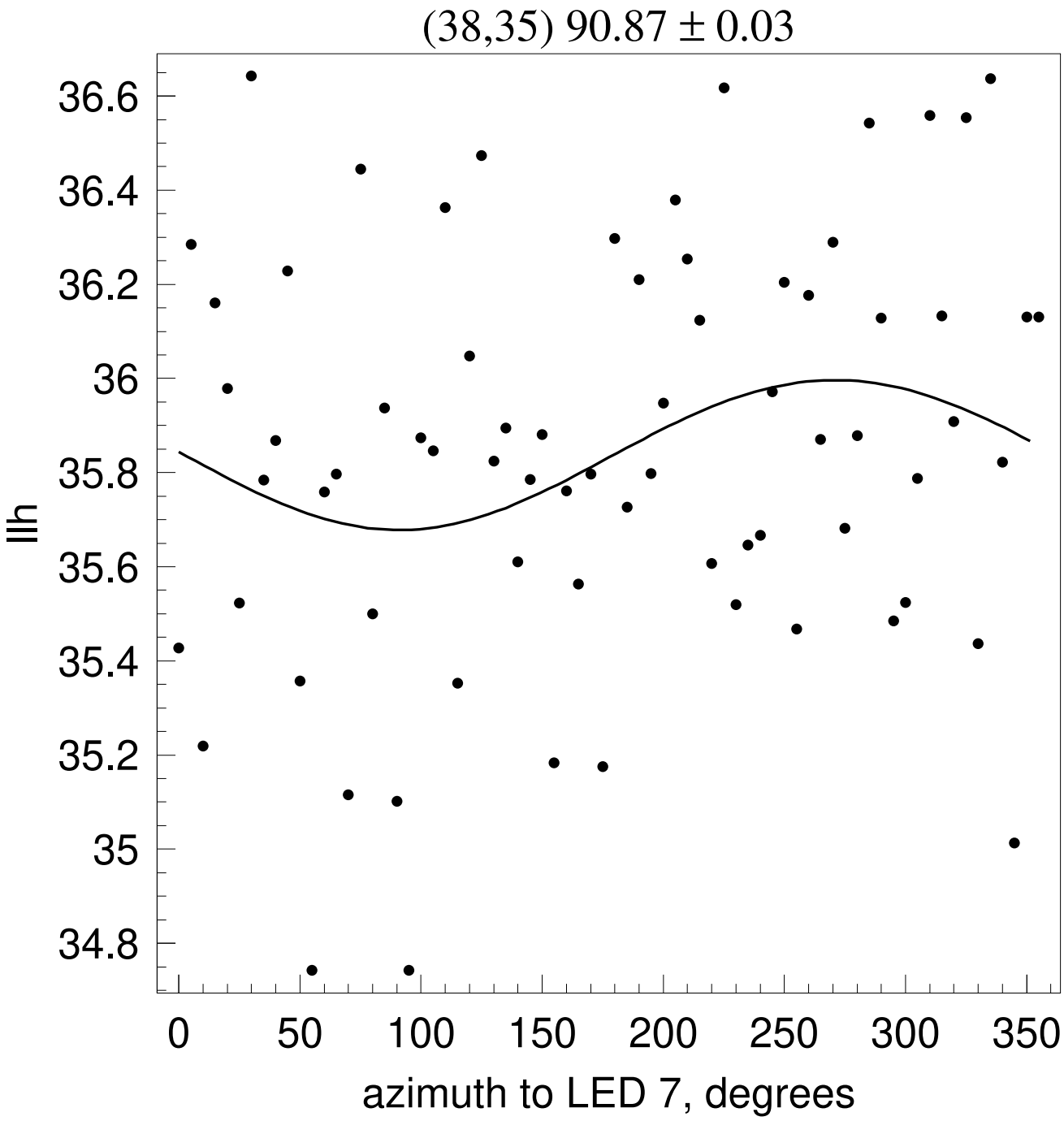

(37,35) 144.17 ± 0.34
38
36
34
32
30
28
26
24
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

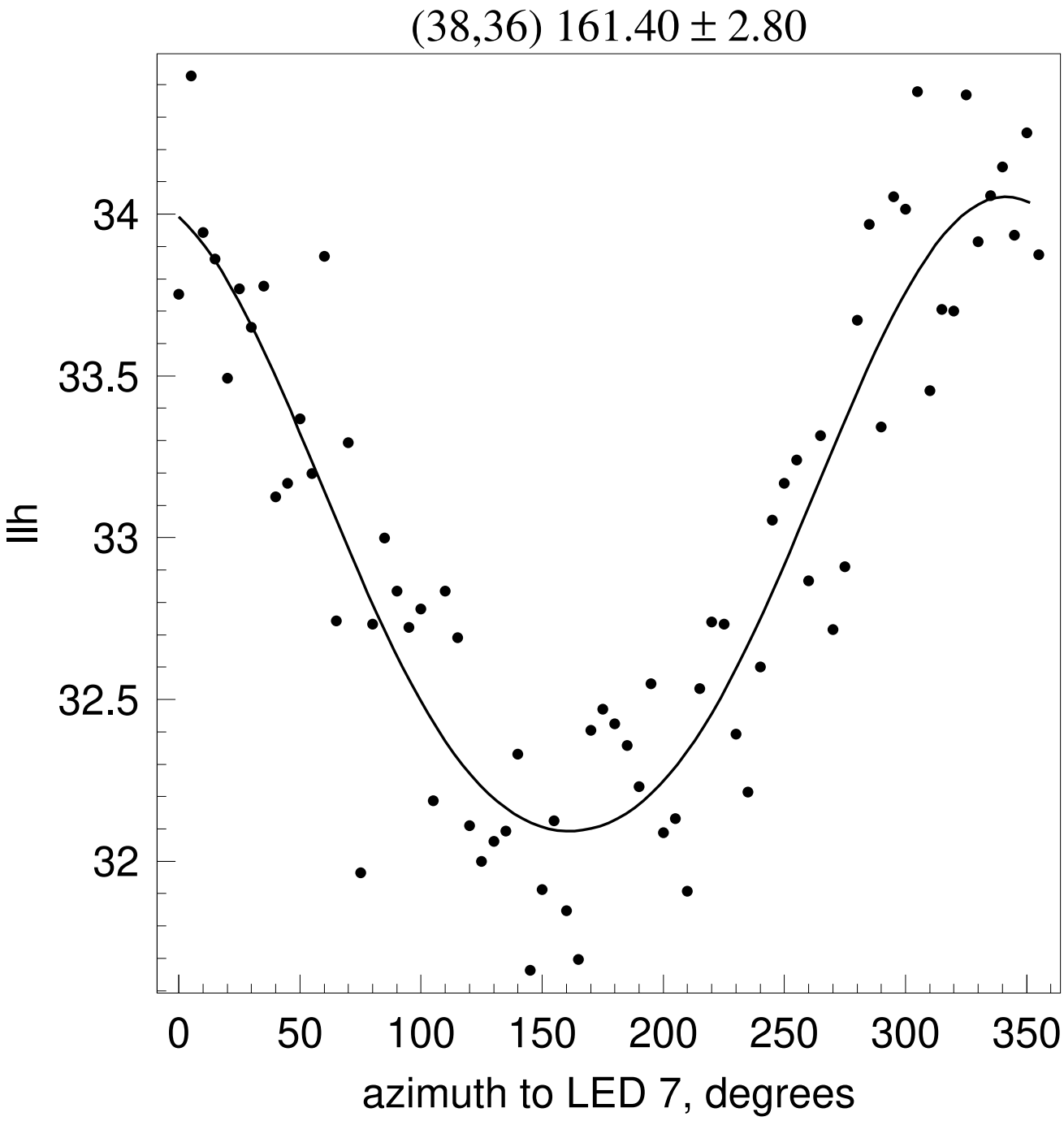

(37,36) 121.39 ± 3.38
31
30.5
30
29.5
29
28.5
28
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

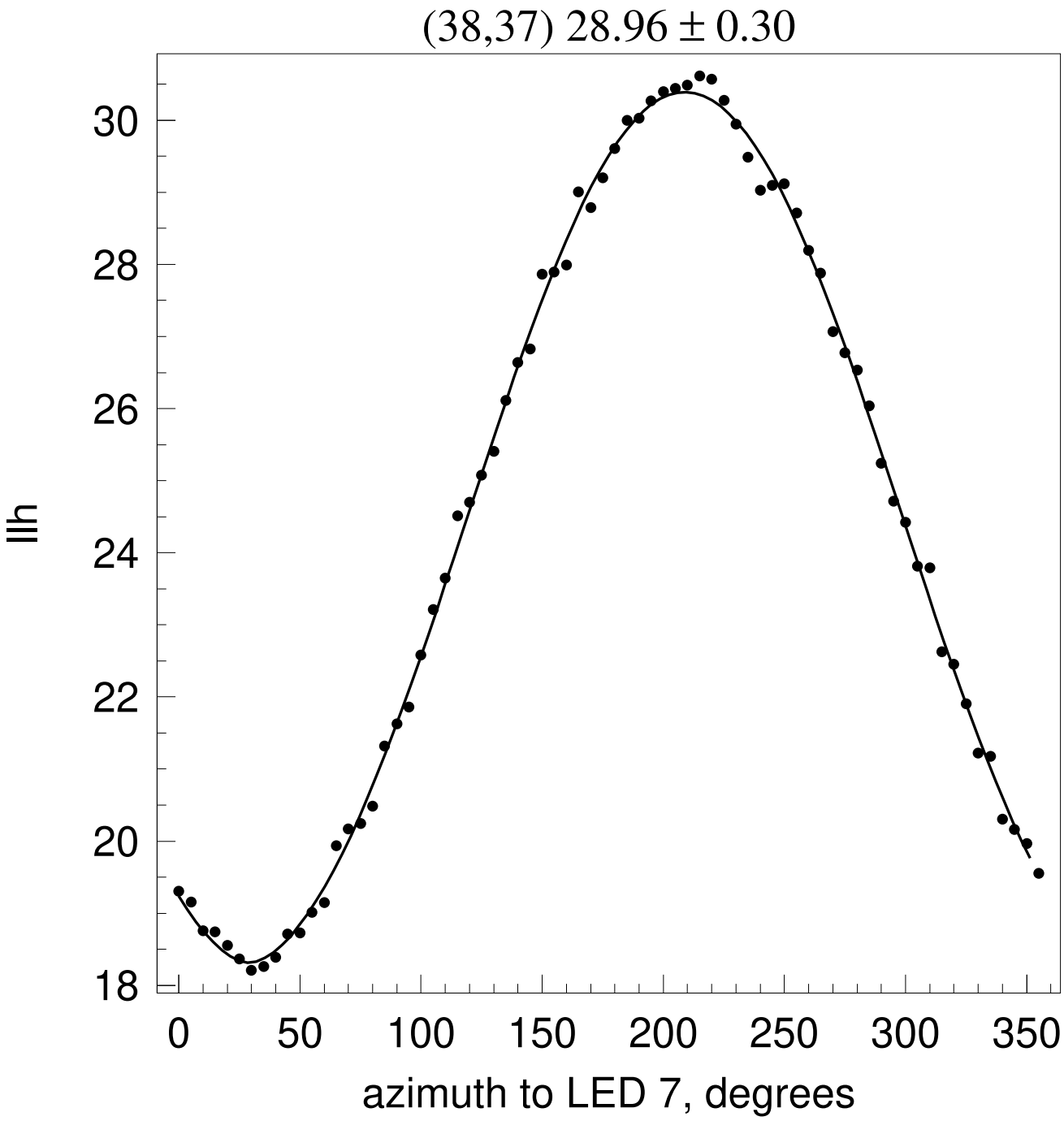

(37,37) 324.38 ± 0.88
20
19
18
17
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

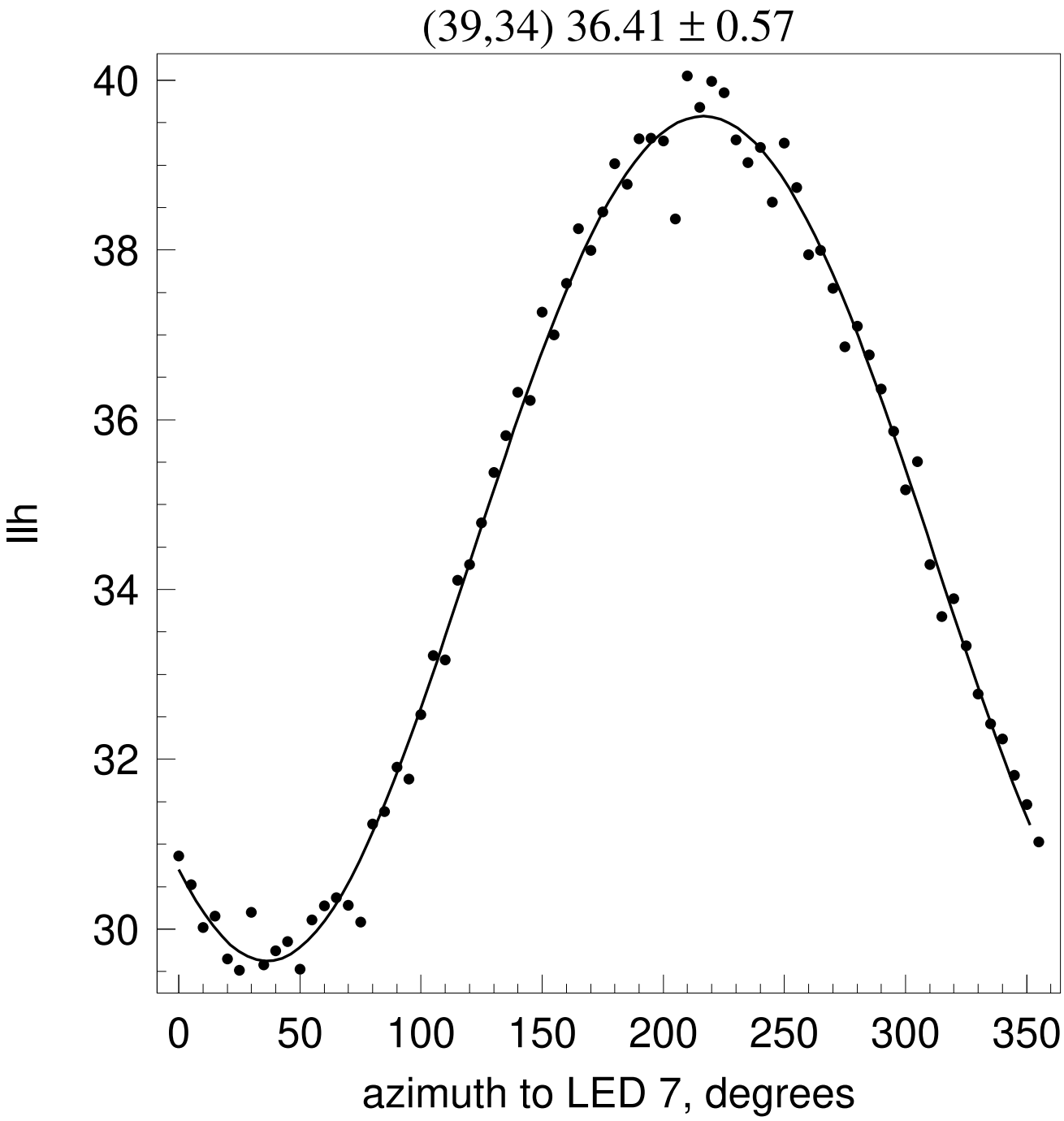

(38,33) 226.07 ± 0.44
25
24
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

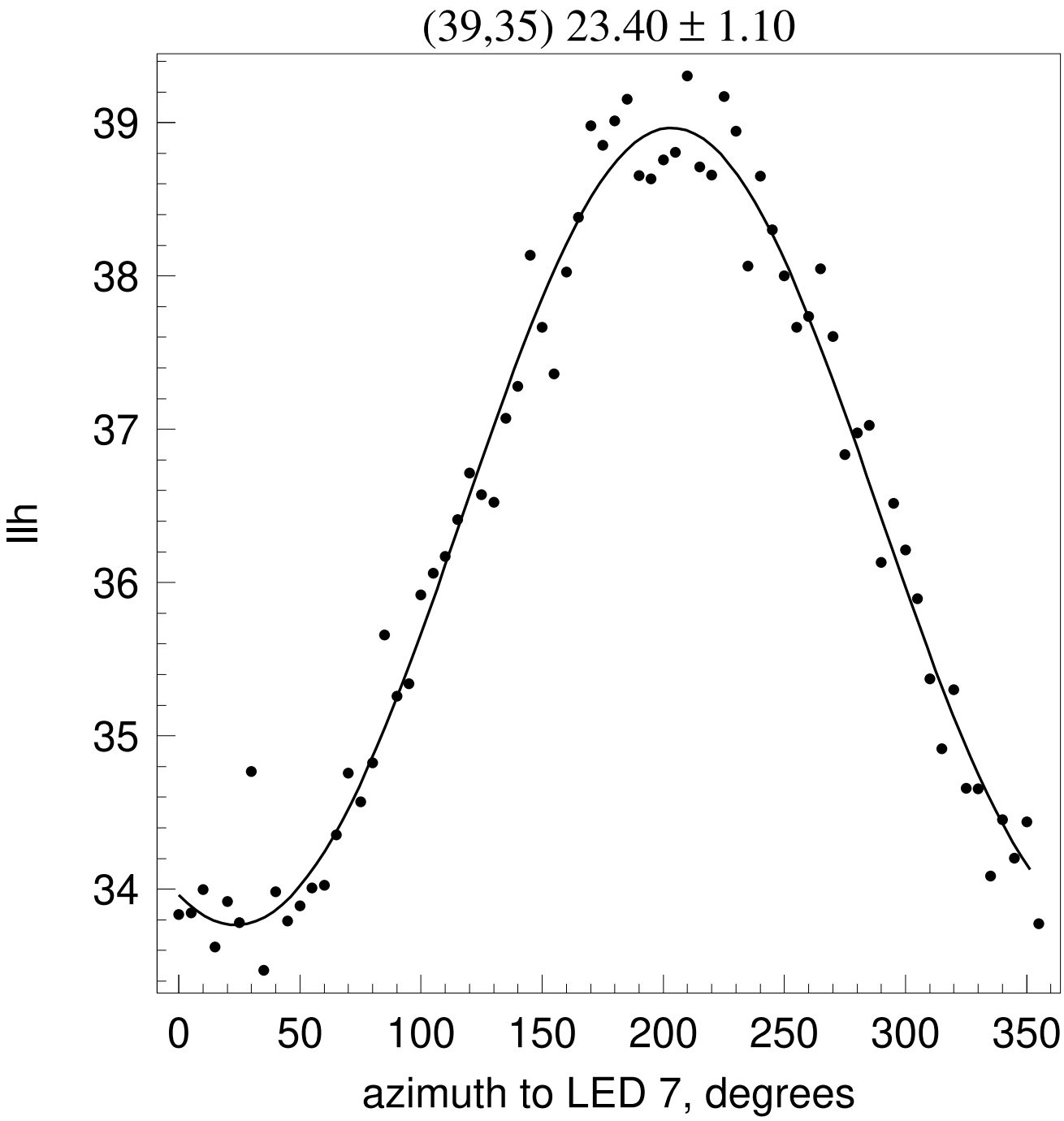

(38,34) 204.43 ± 0.82
28
27
26
25
24
23
22
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

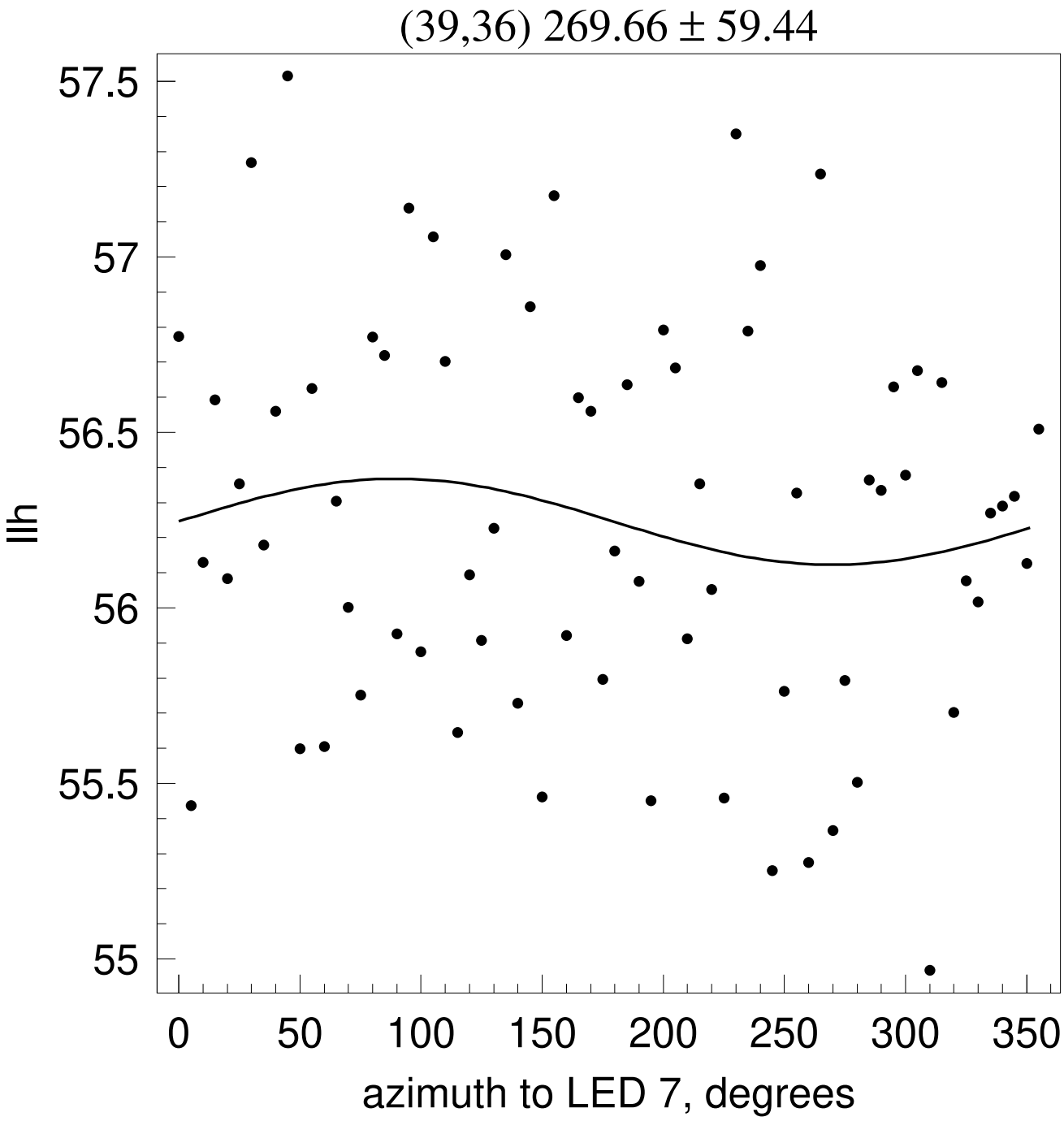

(38,35) 90.87 ± 0.03
36.6
36.4
36.2
36
35.8
35.6
35.4
35.2
35
34.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

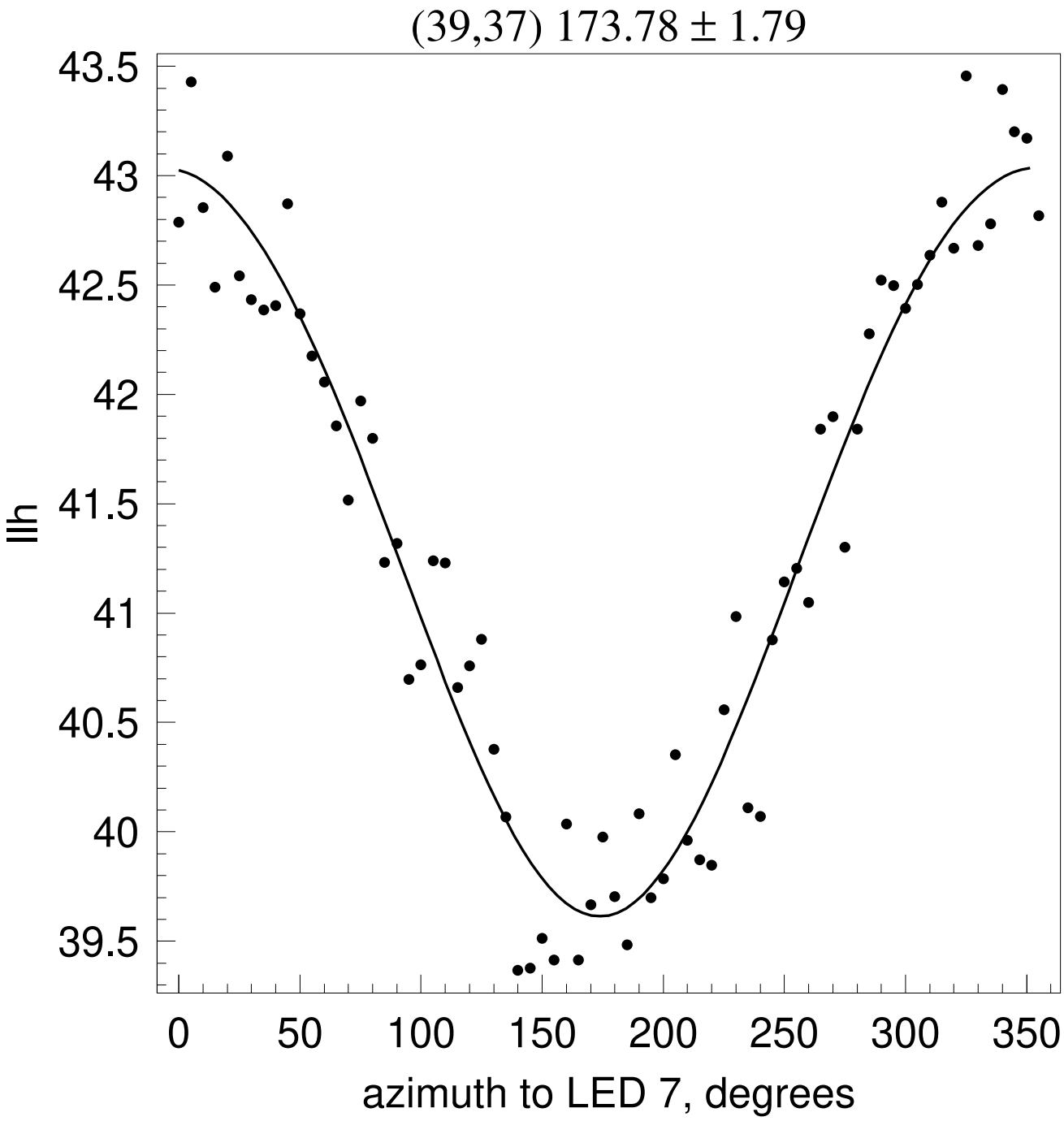

(38,36) 161.40 ± 2.80
34
33.5
33
32.5
32
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

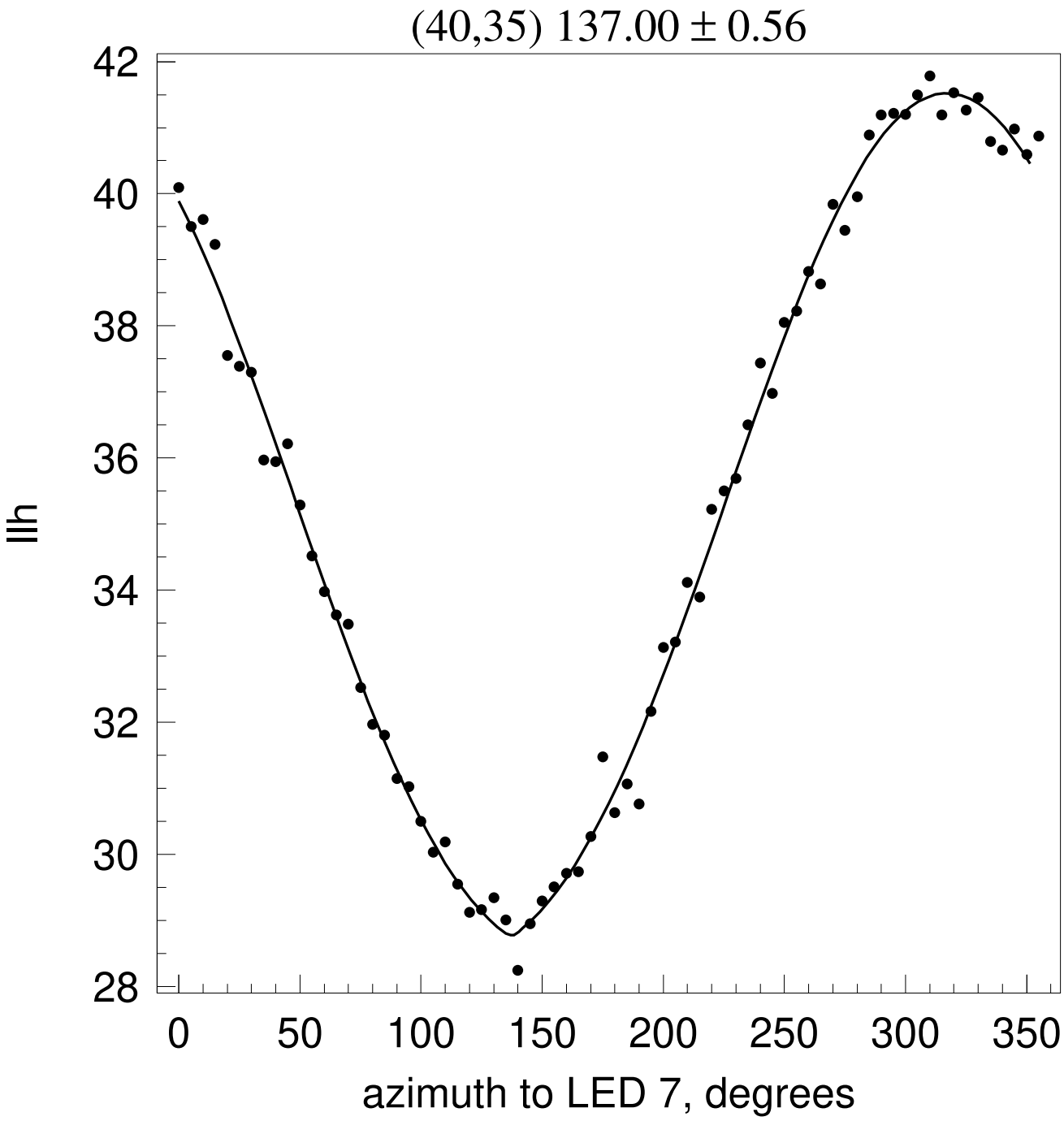

(38,37) 28.96 ± 0.30
30
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

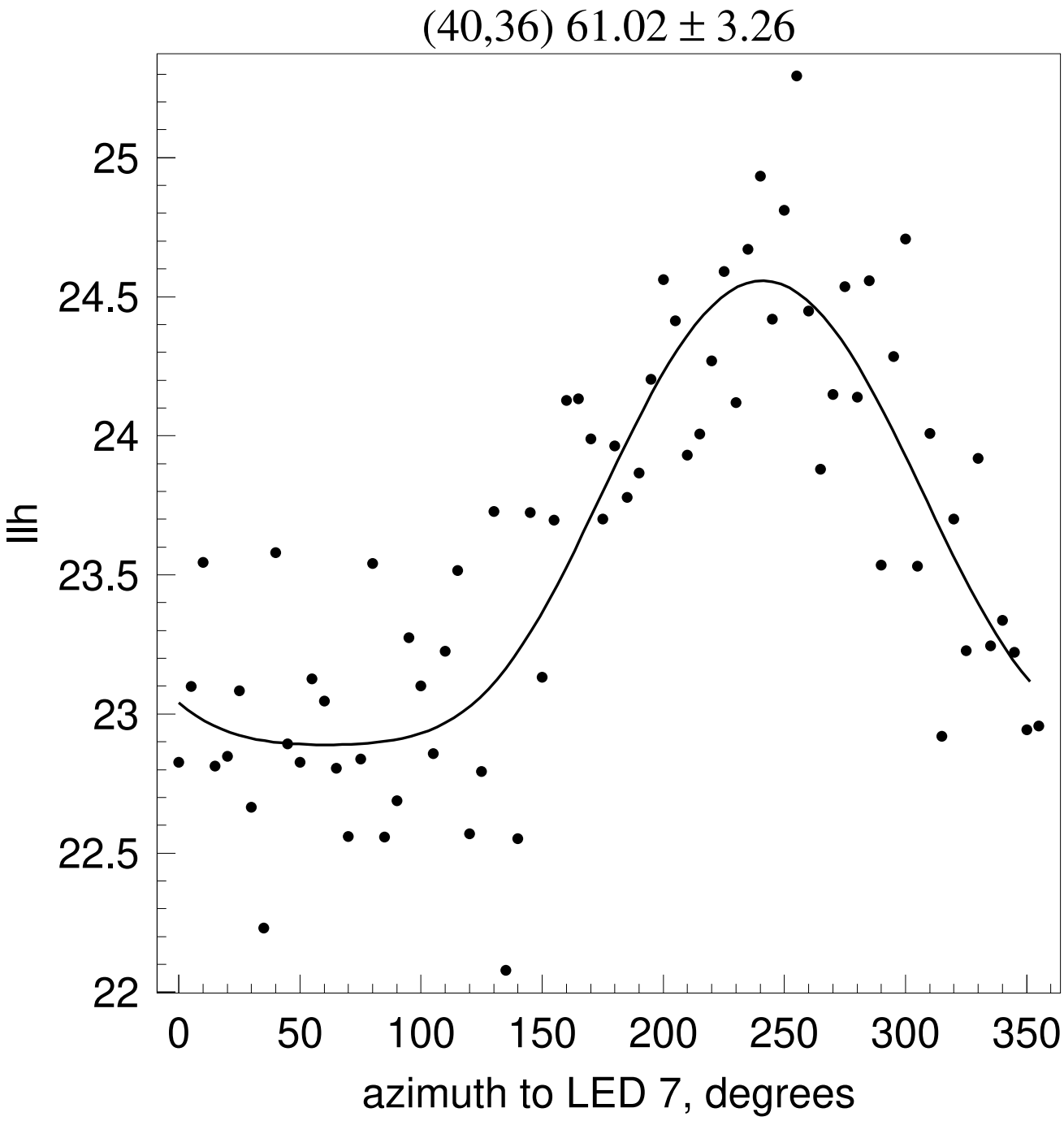

(39,34) 36.41 ± 0.57
40
38
36
34
32
30
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

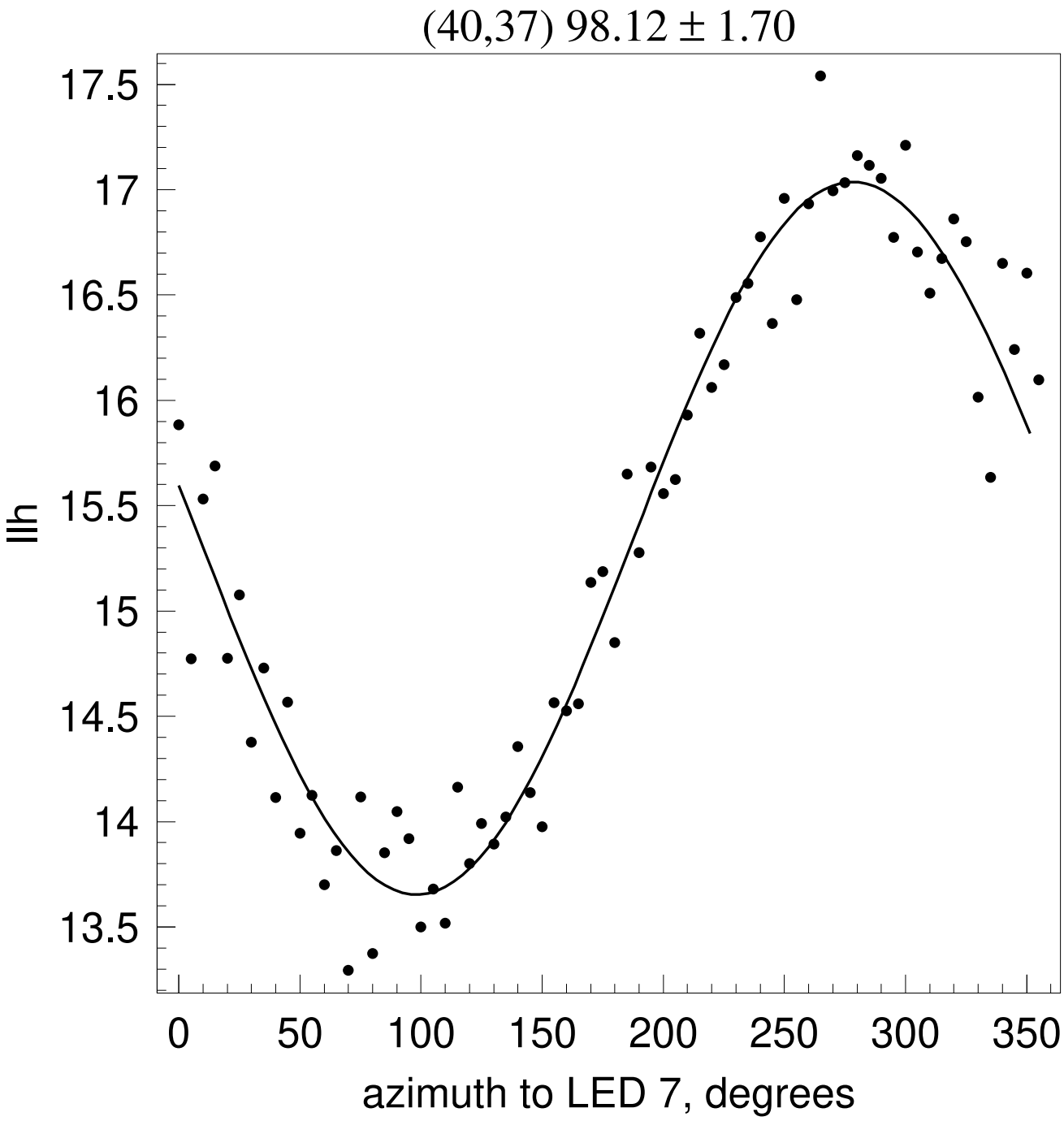

(39,35) 23.40 ± 1.10
39
38
37
36
35
34
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

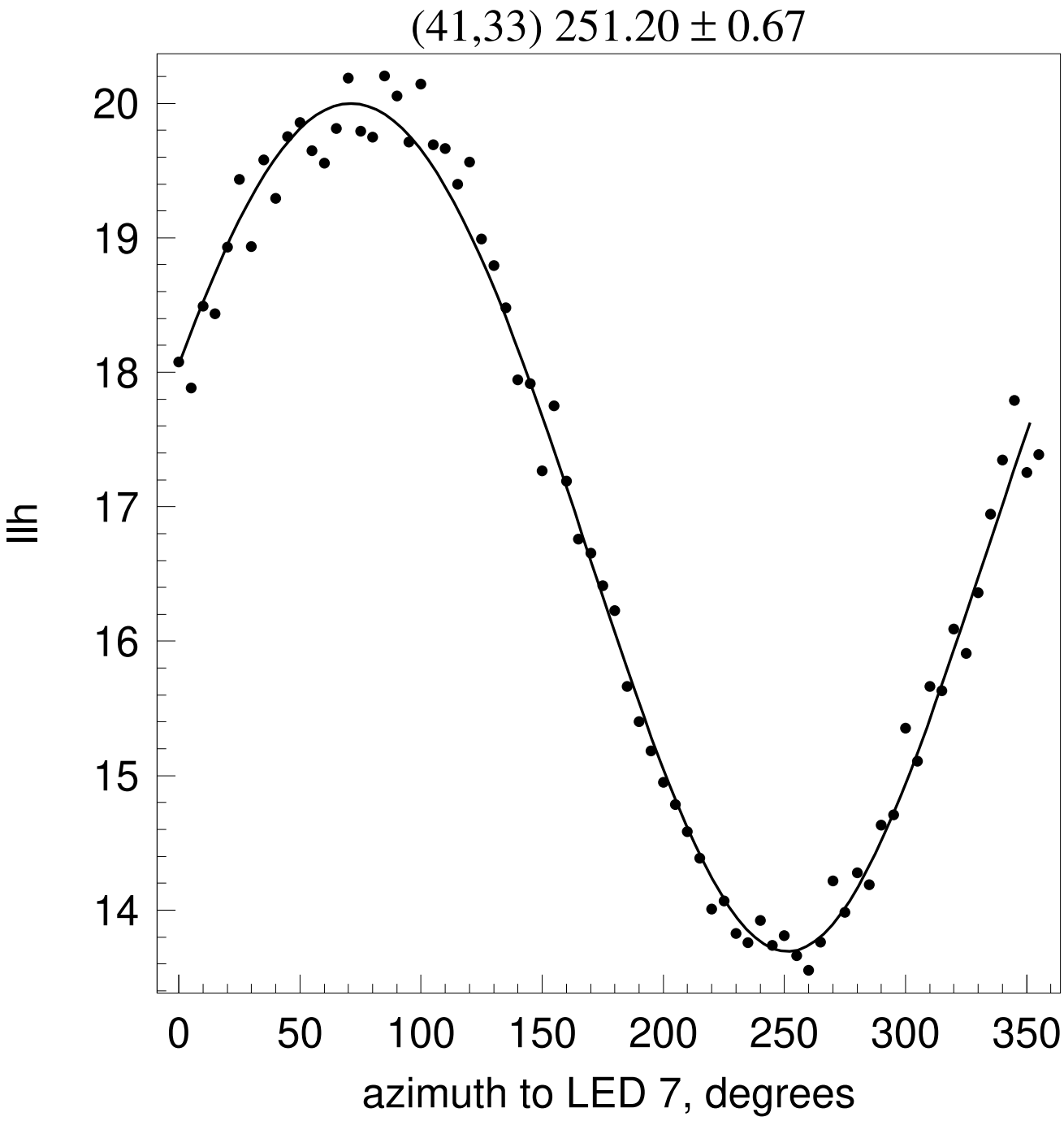

(39,36) 269.66 ± 59.44
57.5
57
56.5
56
55.5
55
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

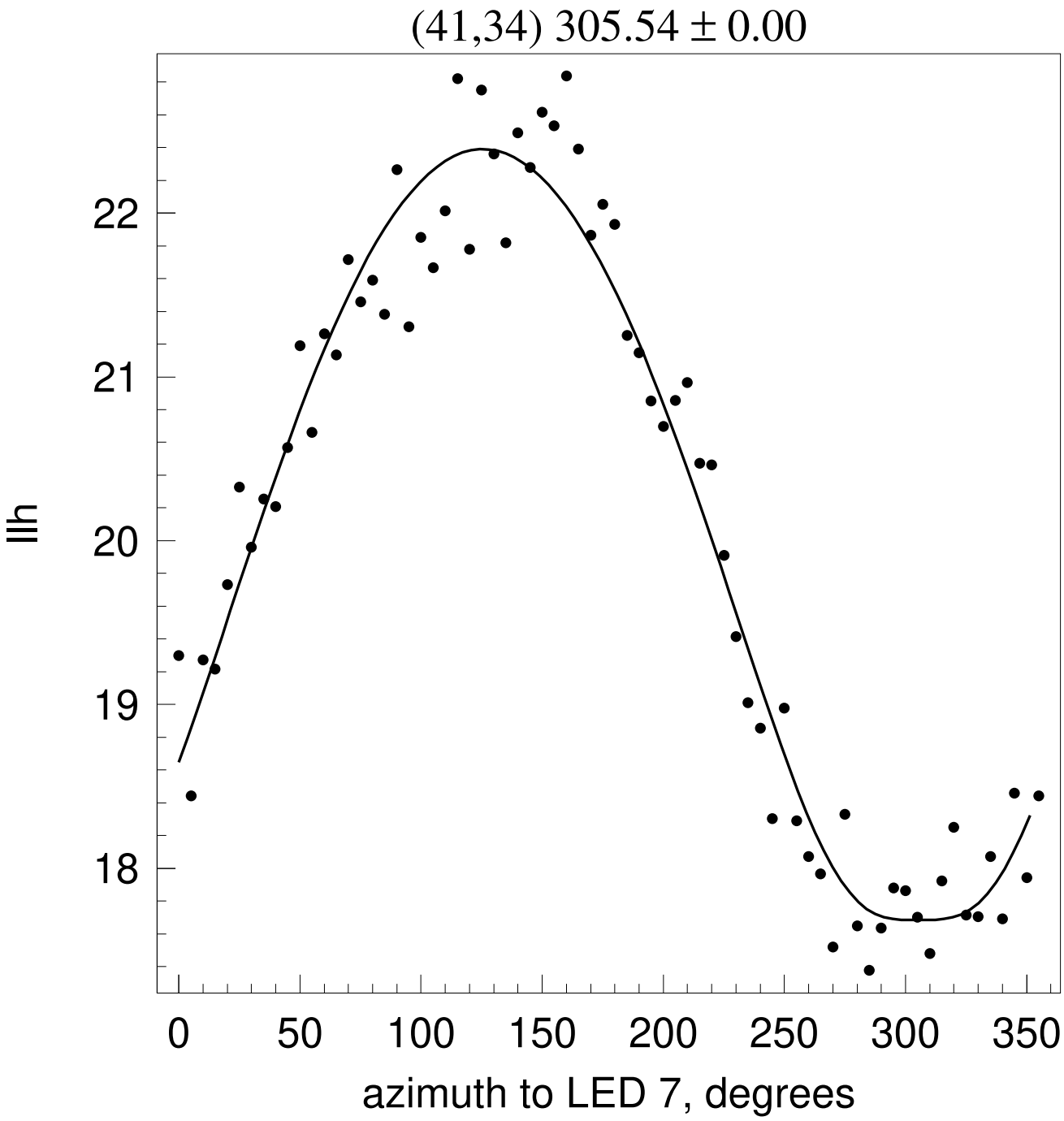

(39,37) 173.78 ± 1.79
43.5
43
42.5
42
41.5
41
40.5
40
39.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

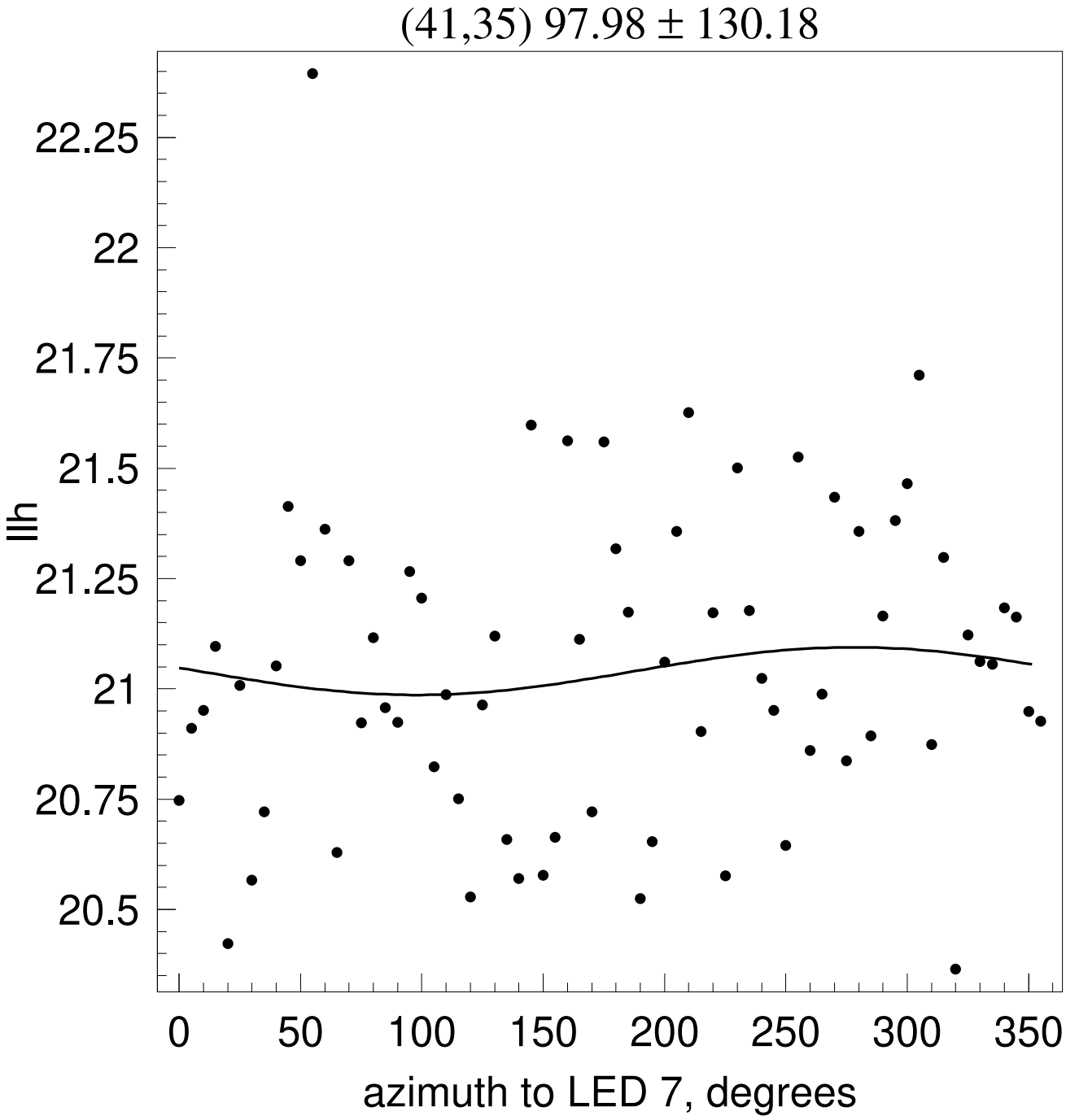

(40,35) 137.00 ± 0.56
42
40
38
36
34
32
30
28
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

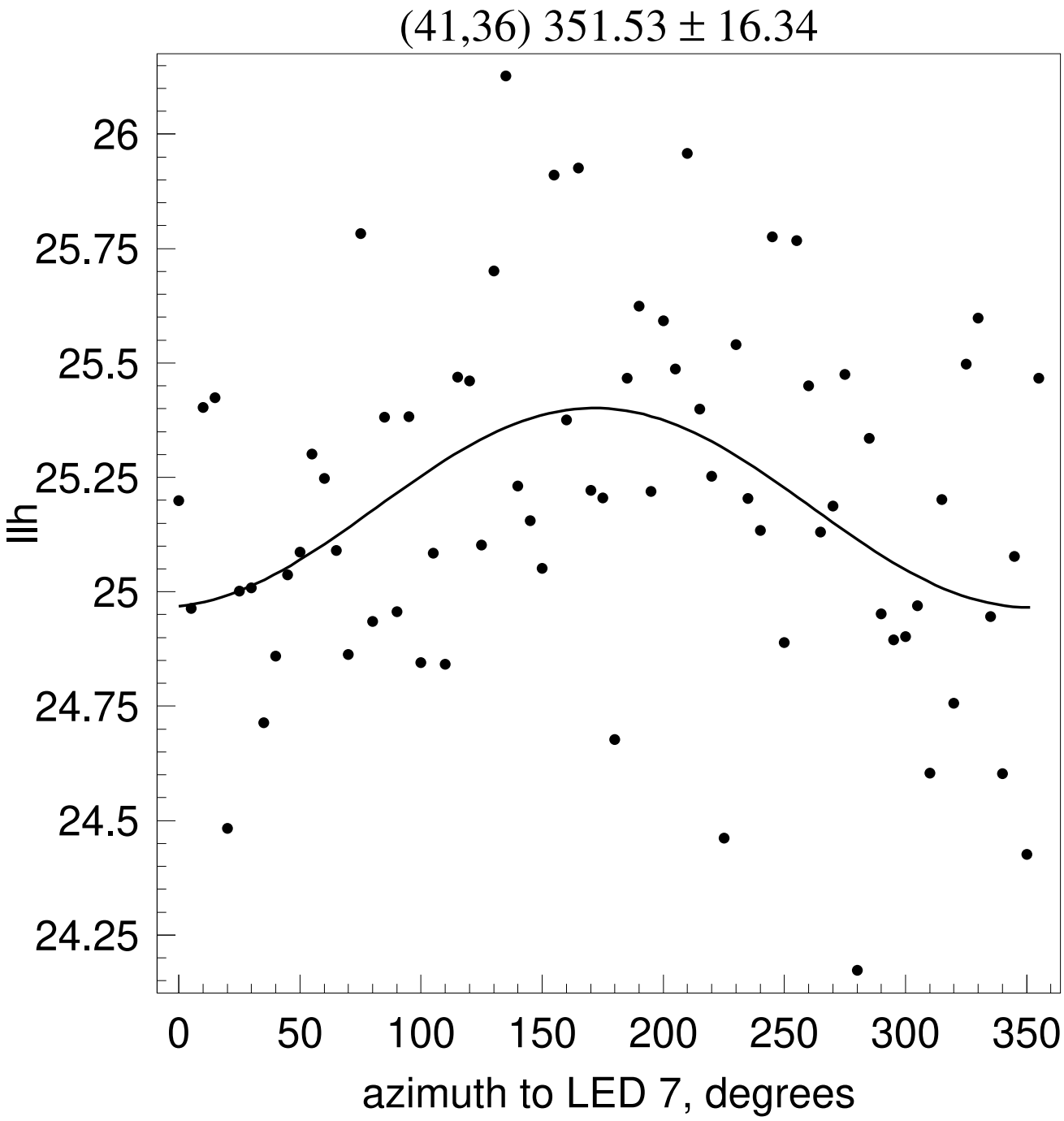

(40,36) 61.02 ± 3.26
25
24.5
24
23.5
23
22.5
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

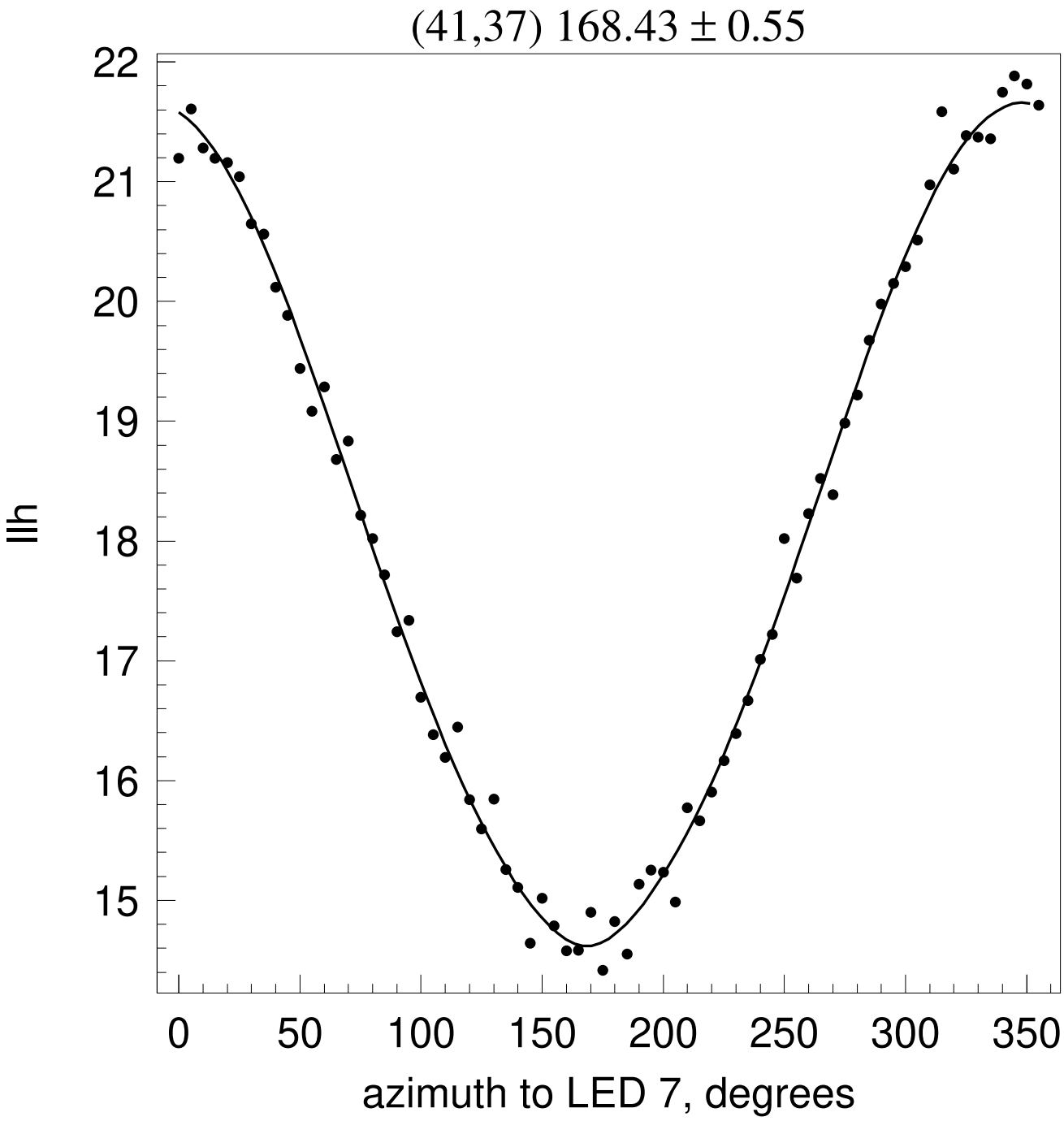

(40,37) 98.12 ± 1.70
17.5
17
16.5
16
15.5
15
14.5
14
13.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

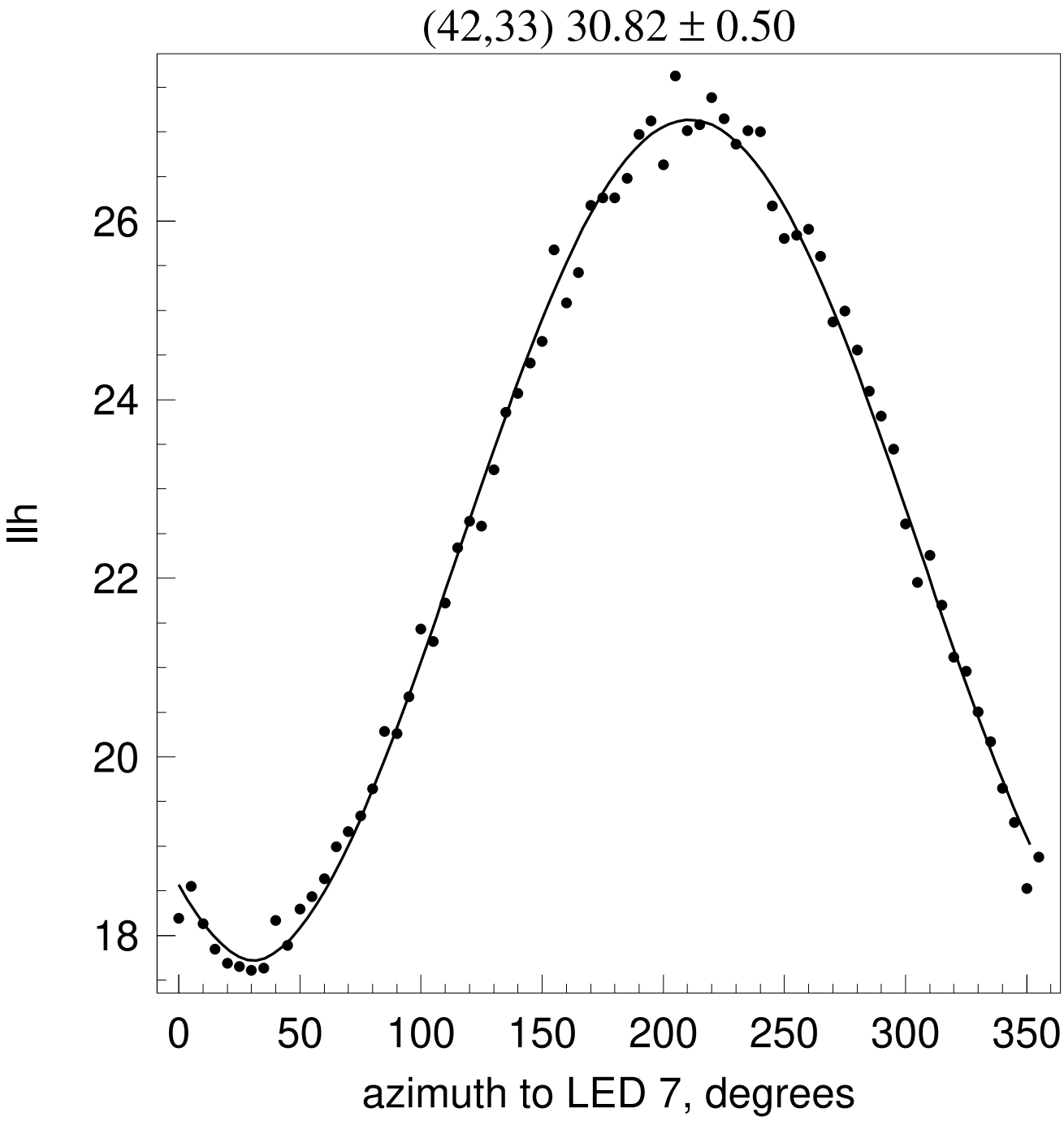

(41,33) 251.20 ± 0.67
20
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

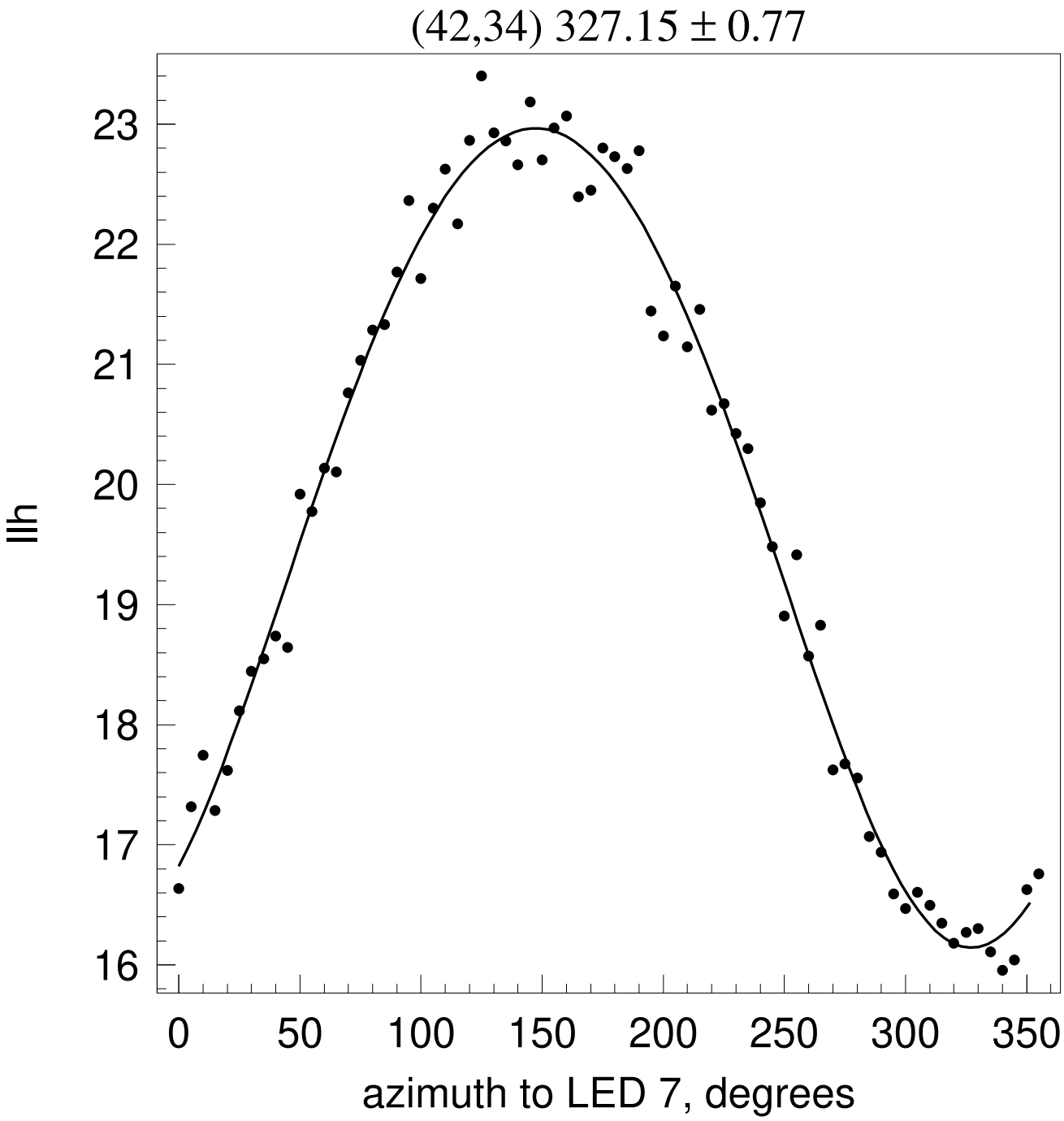

(41,34) 305.54 ± 0.00
IIh
22
21
20
19
18
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

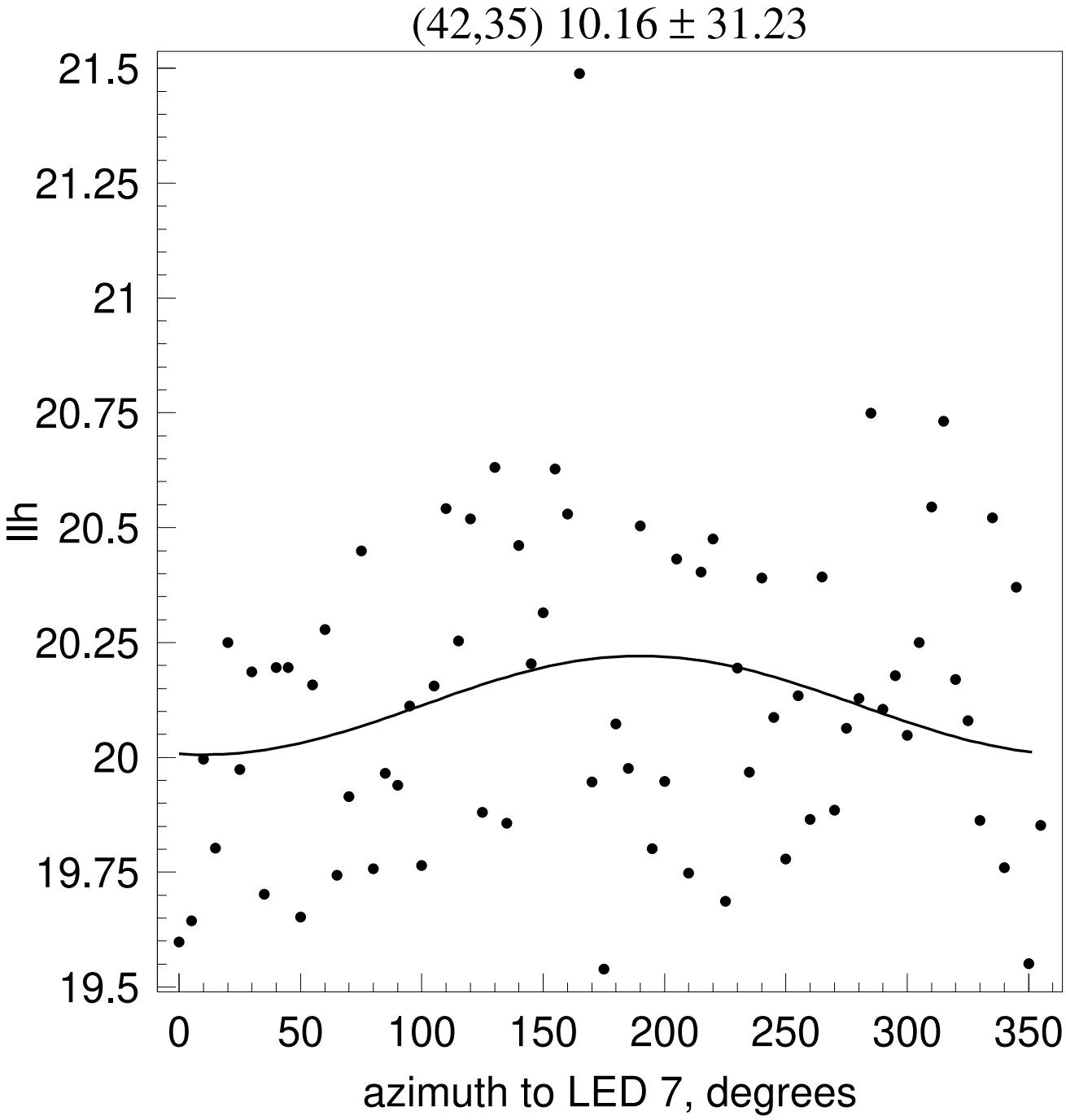

(41,35) 97.98 ± 130.18
22.25
22
21.75
21.5
21.25
21
20.75
20.5
lln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

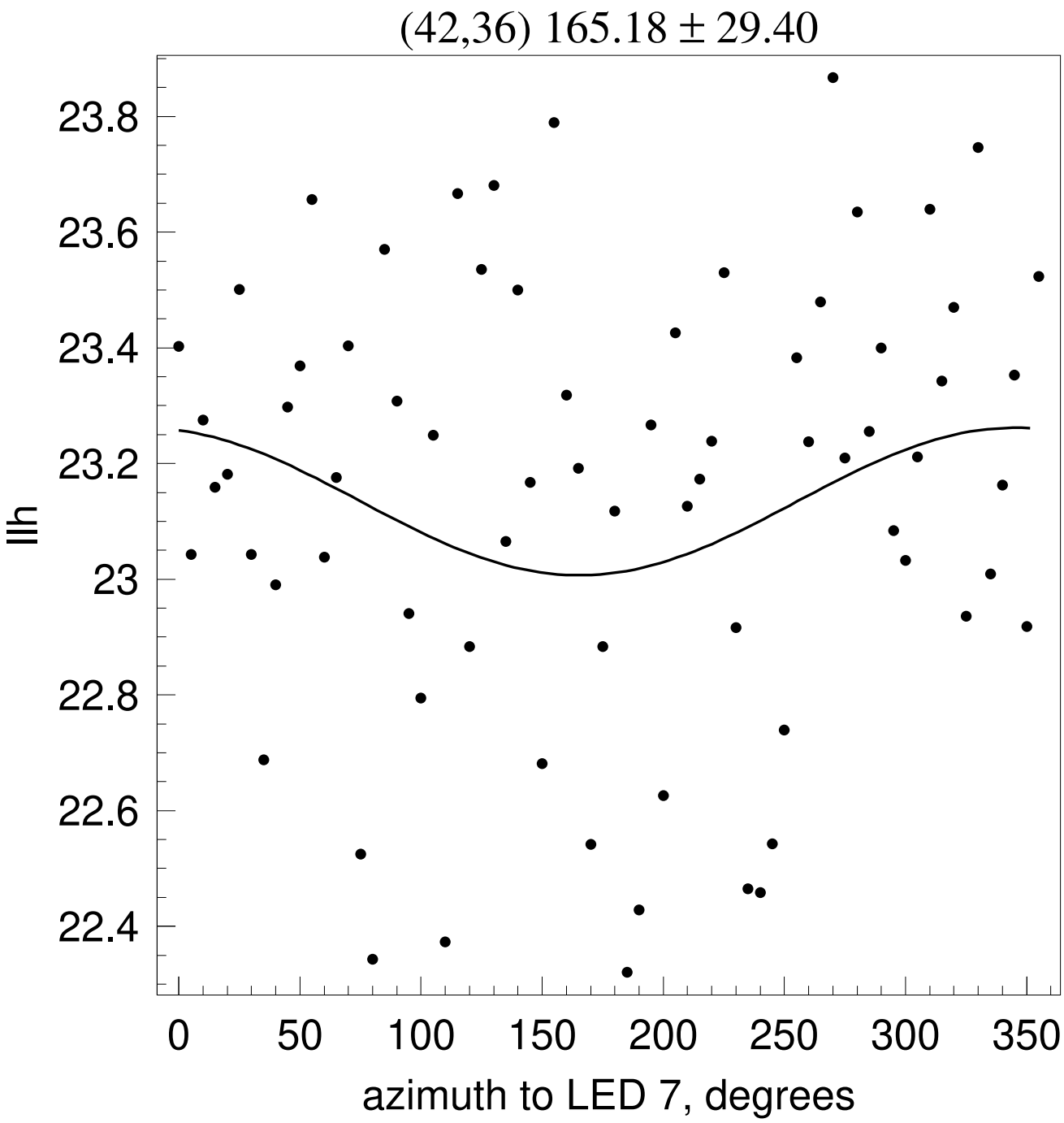

(41,36) 351.53 ± 16.34
26
25.75
25.5
25.25
25
24.75
24.5
24.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

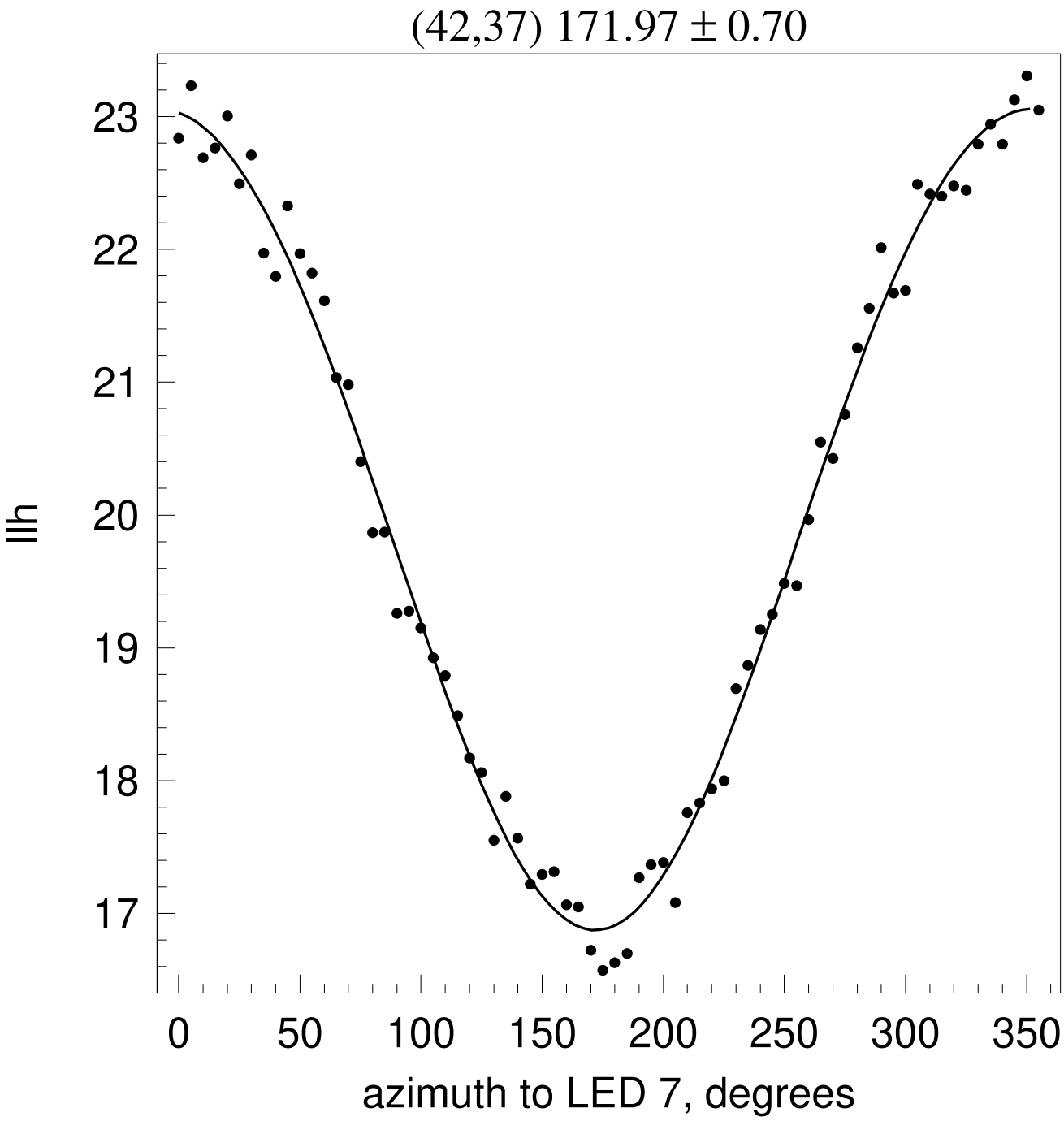

(41,37) 168.43 ± 0.55
22
21
20
19
18
17
16
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

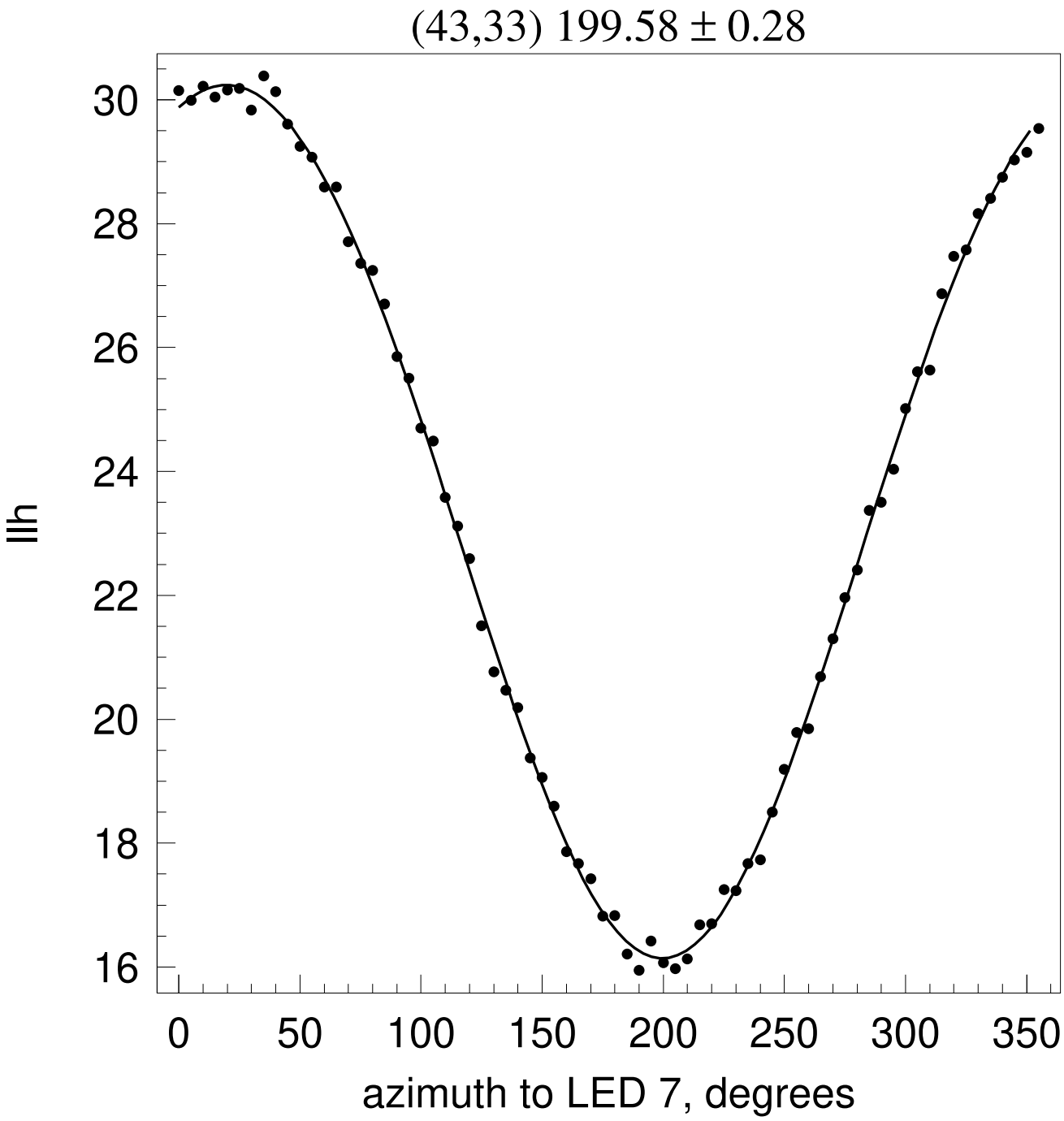

(42,33) 30.82 ± 0.50
llh
26
24
22
20
18
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

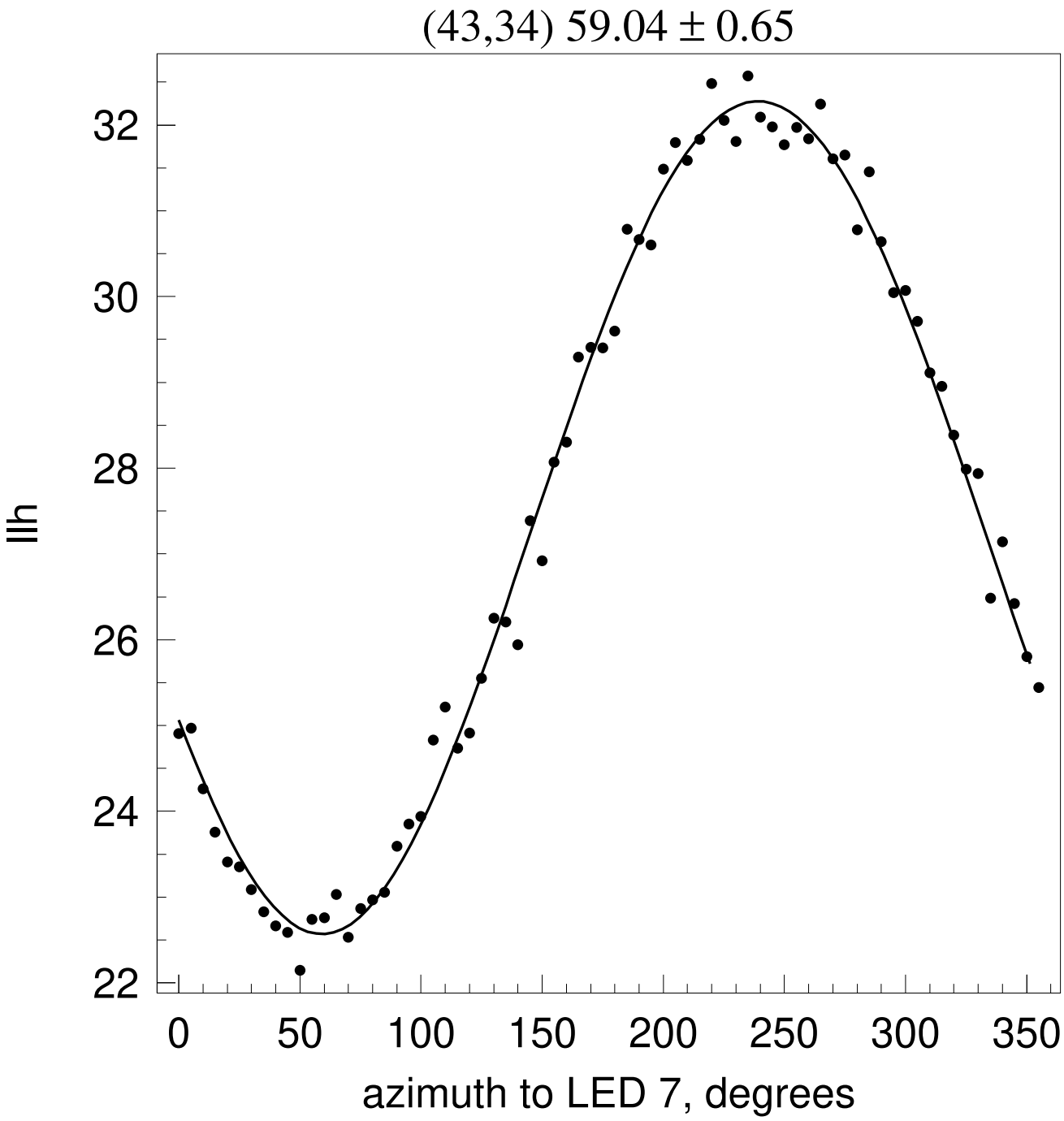

(42,34) 327.15 ± 0.77
23
22
21
20
19
18
17
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

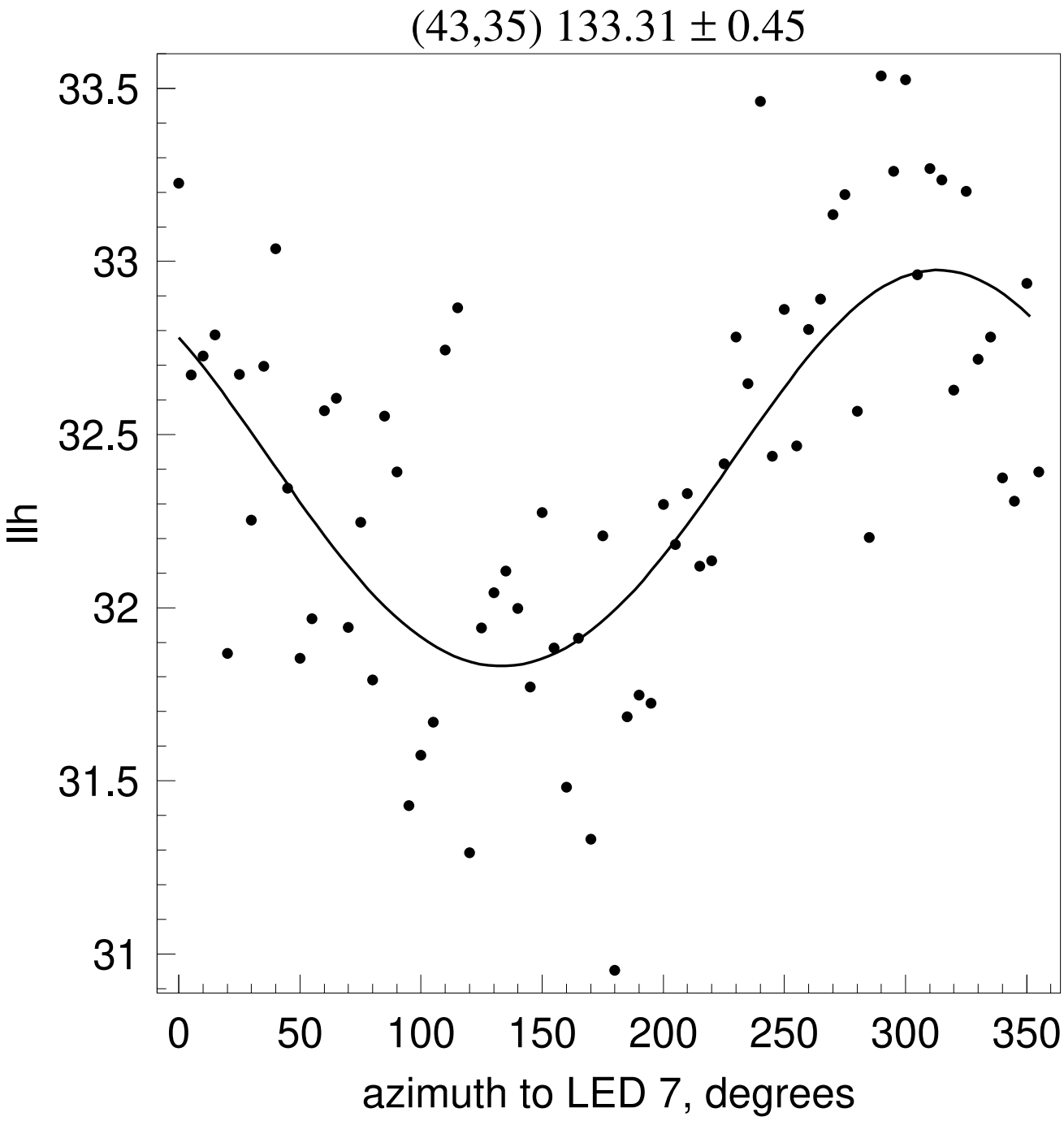

(42,35) 10.16 ± 31.23
21.5
21.25
21
20.75
20.5
20.25
20
19.75
19.5
μ
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

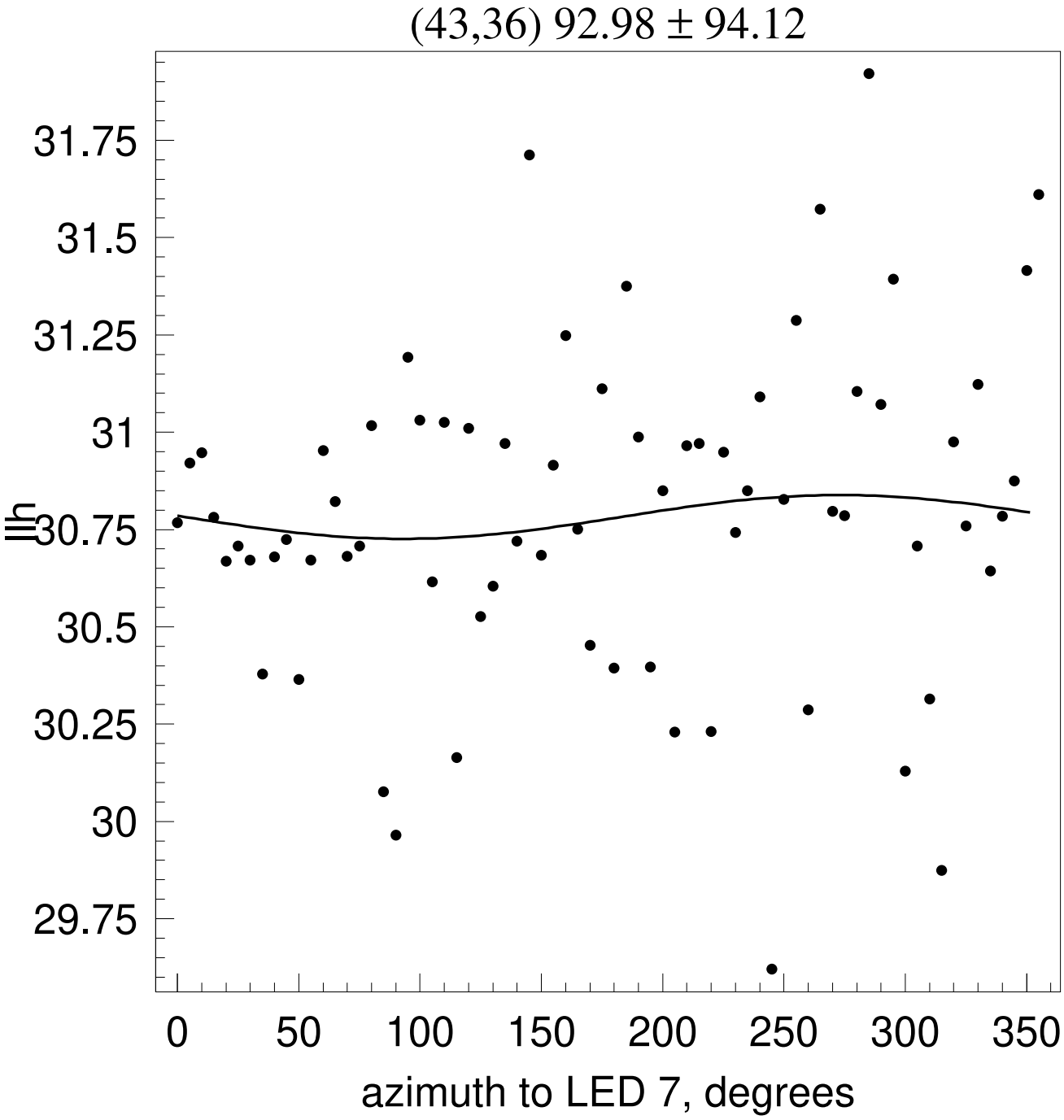

(42,36) 165.18 ± 29.40
23.8
23.6
23.4
23.2
23
22.8
22.6
22.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

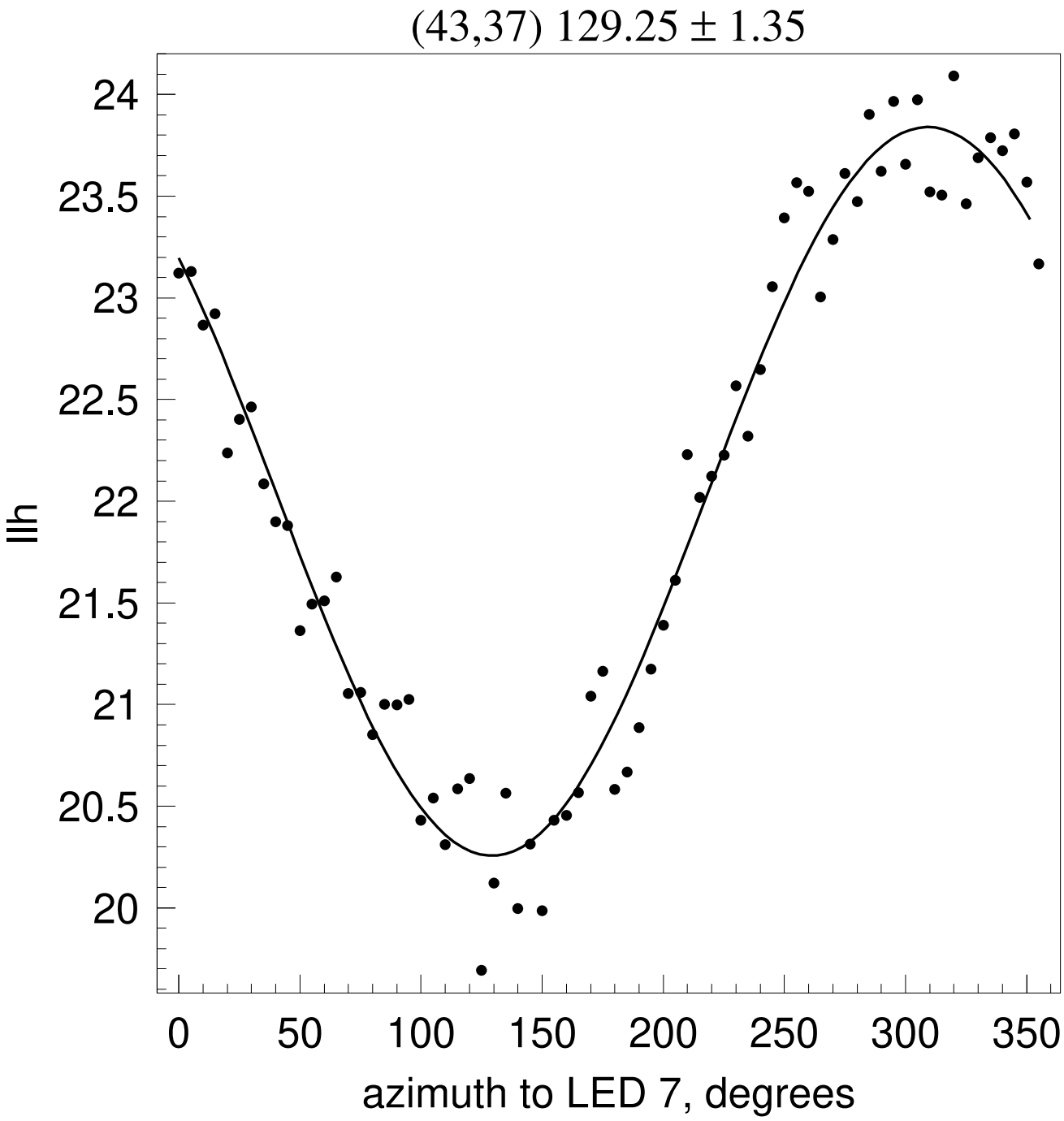

(42,37) 171.97 ± 0.70
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

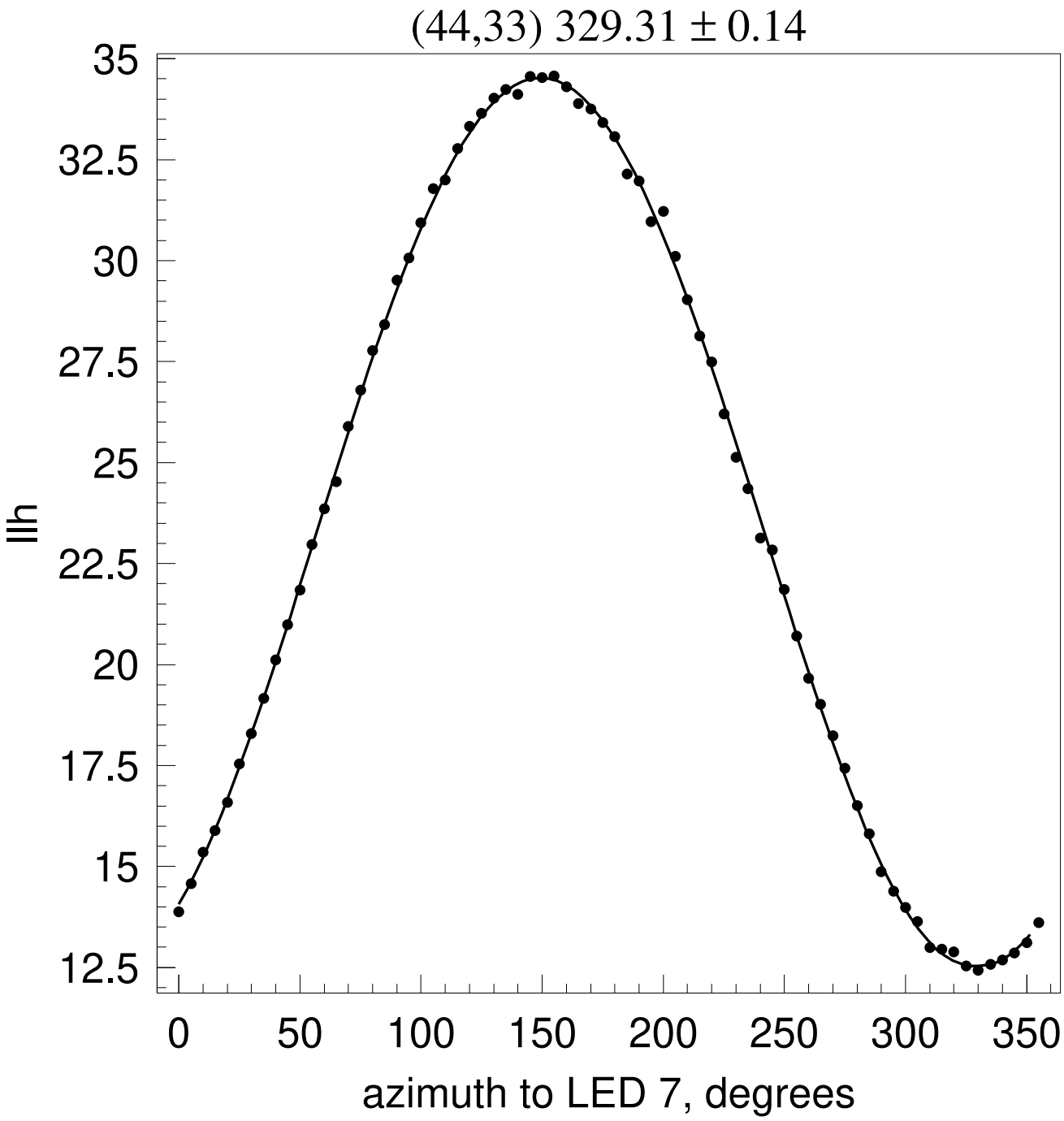

(43,33) 199.58 ± 0.28
30
28
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

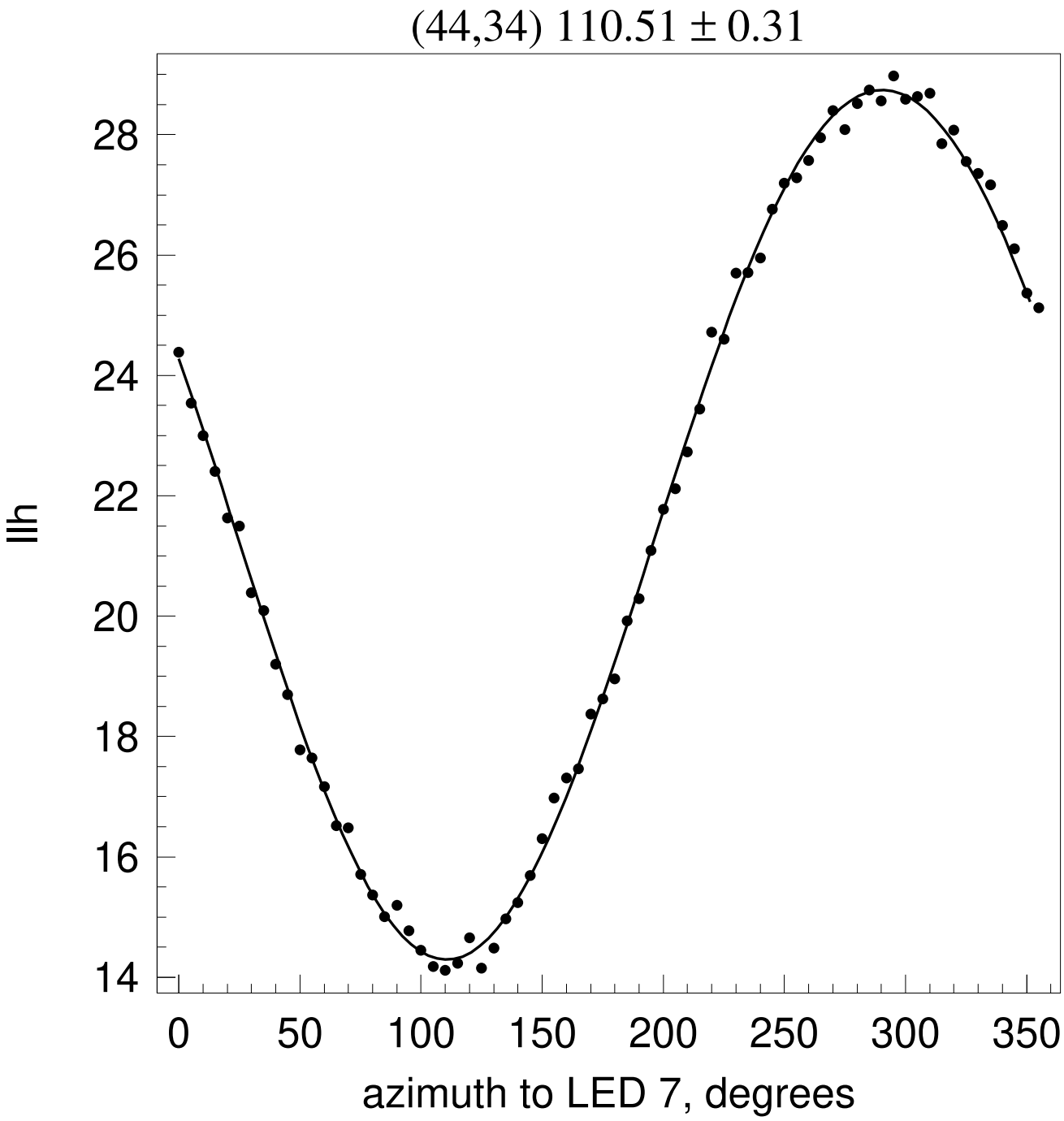

(43,34) 59.04 ± 0.65
32
30
28
26
24
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

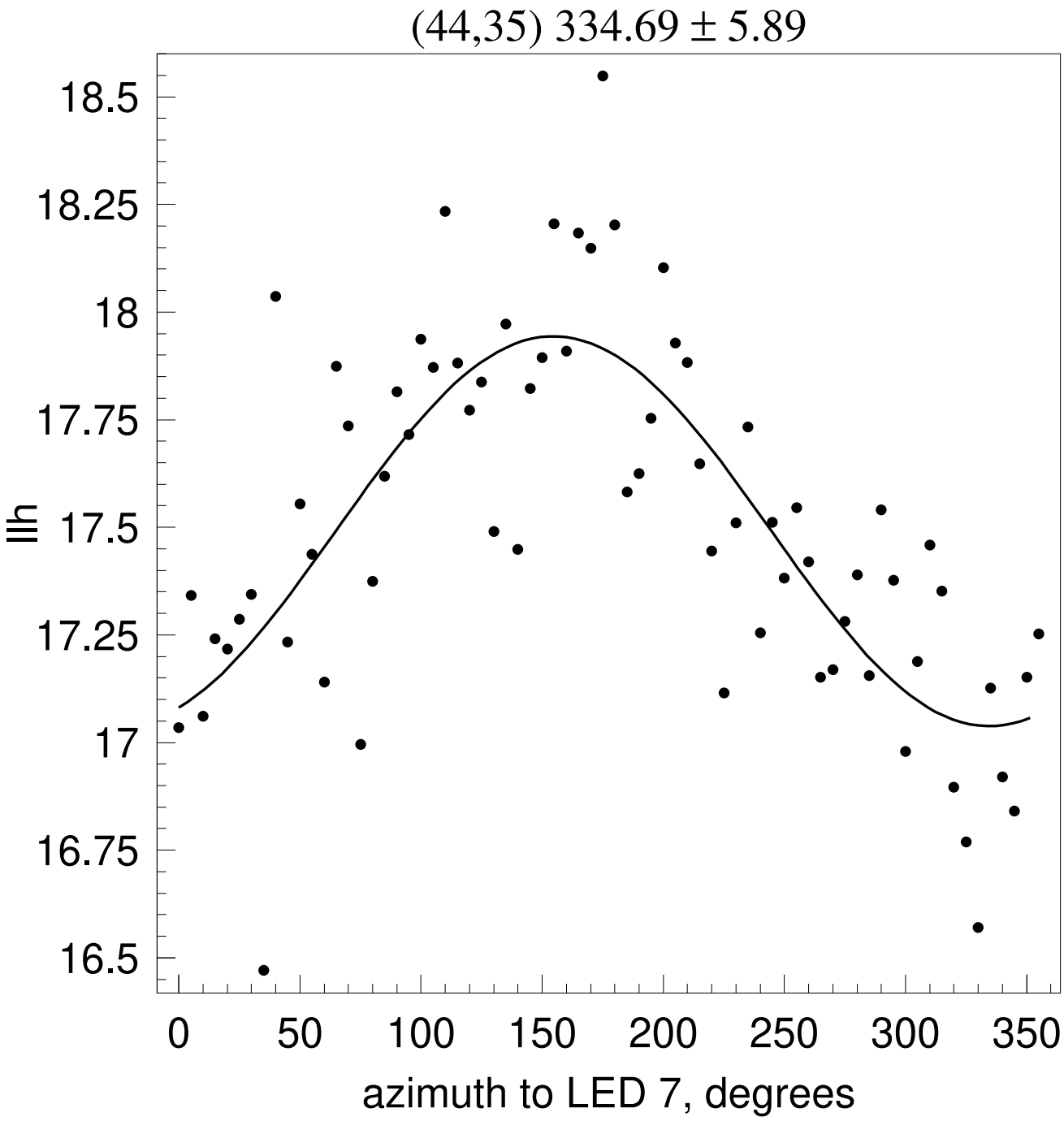

(43,35) 133.31 ± 0.45
33.5
33
32.5
32
31.5
31
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

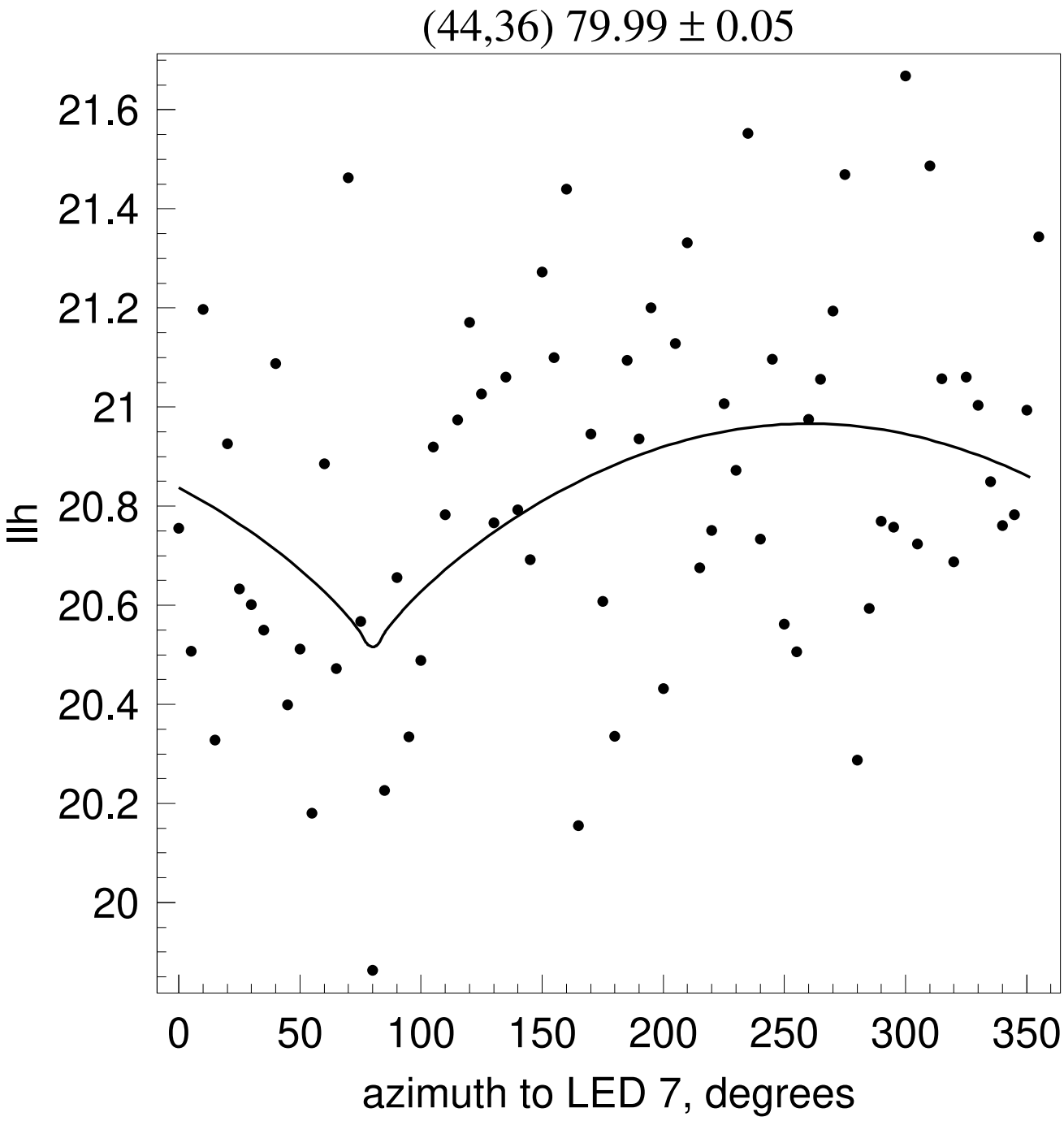

(43,36) 92.98 ± 94.12
31.75
31.5
31.25
31
30.75
30.5
30.25
30
29.75
μs
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

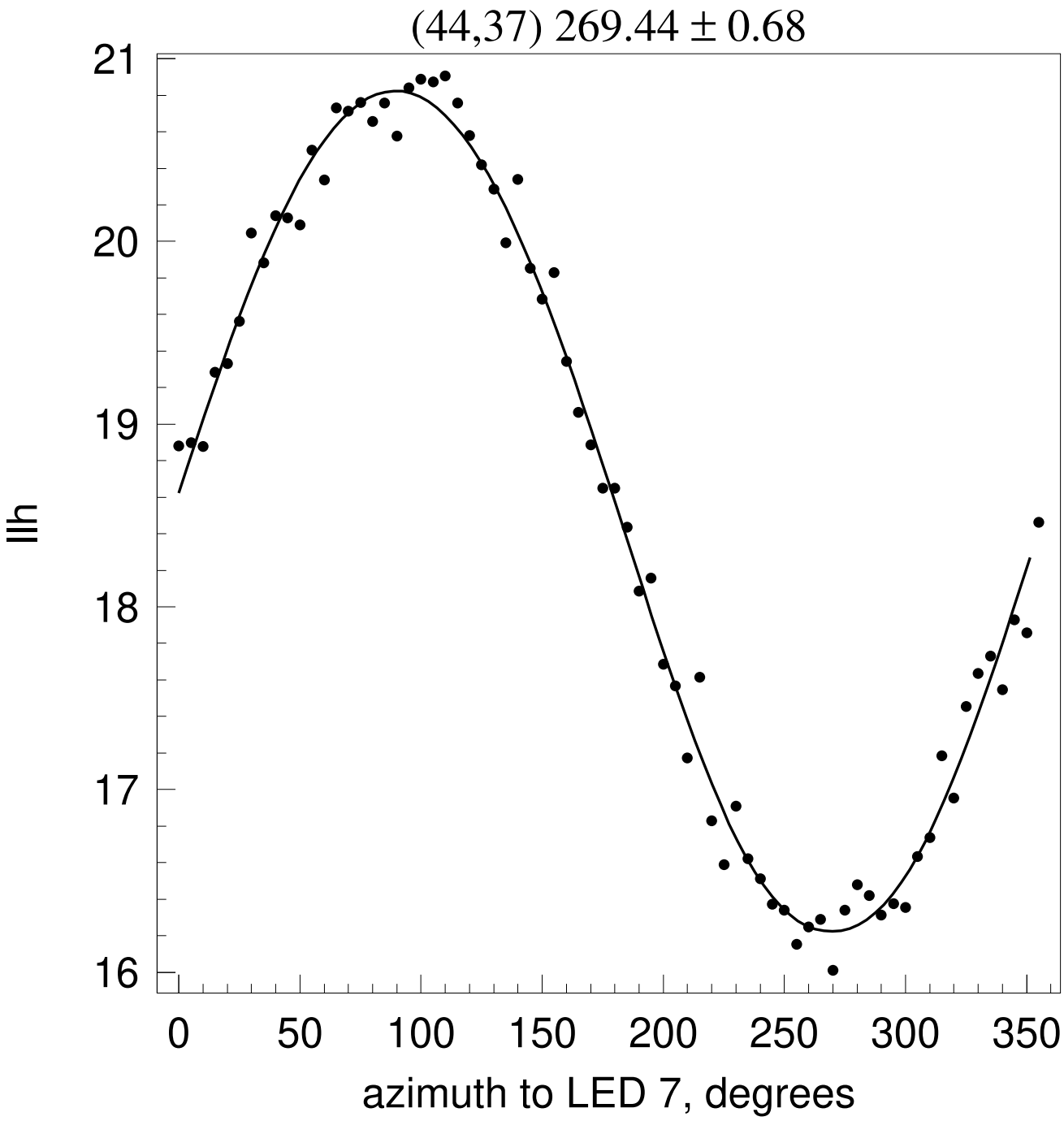

(43,37) 129.25 ± 1.35
24
23.5
23
22.5
22
21.5
21
20.5
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

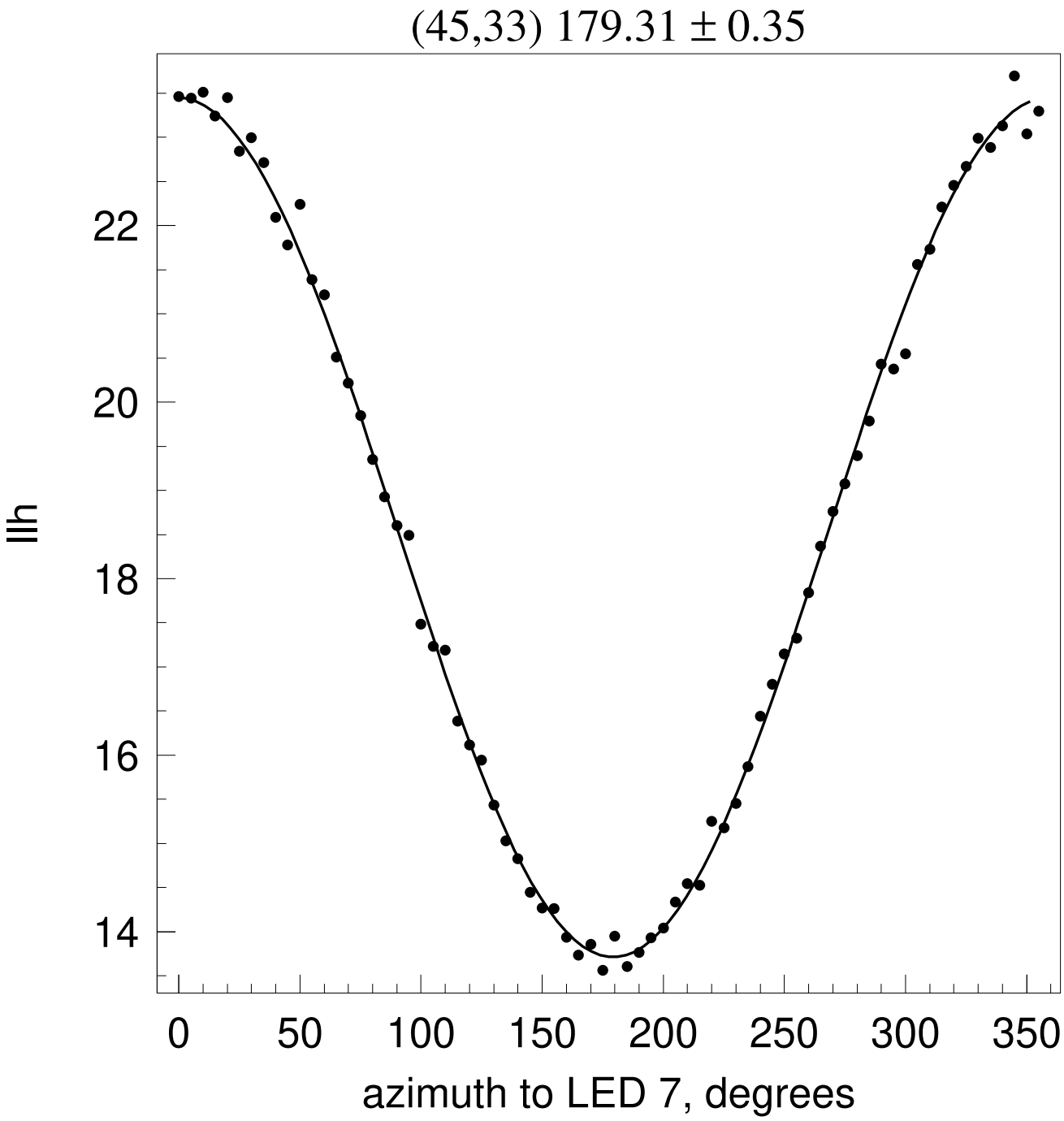

(44,33) 329.31 ± 0.14
35
32.5
30
27.5
25
22.5
20
17.5
15
12.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

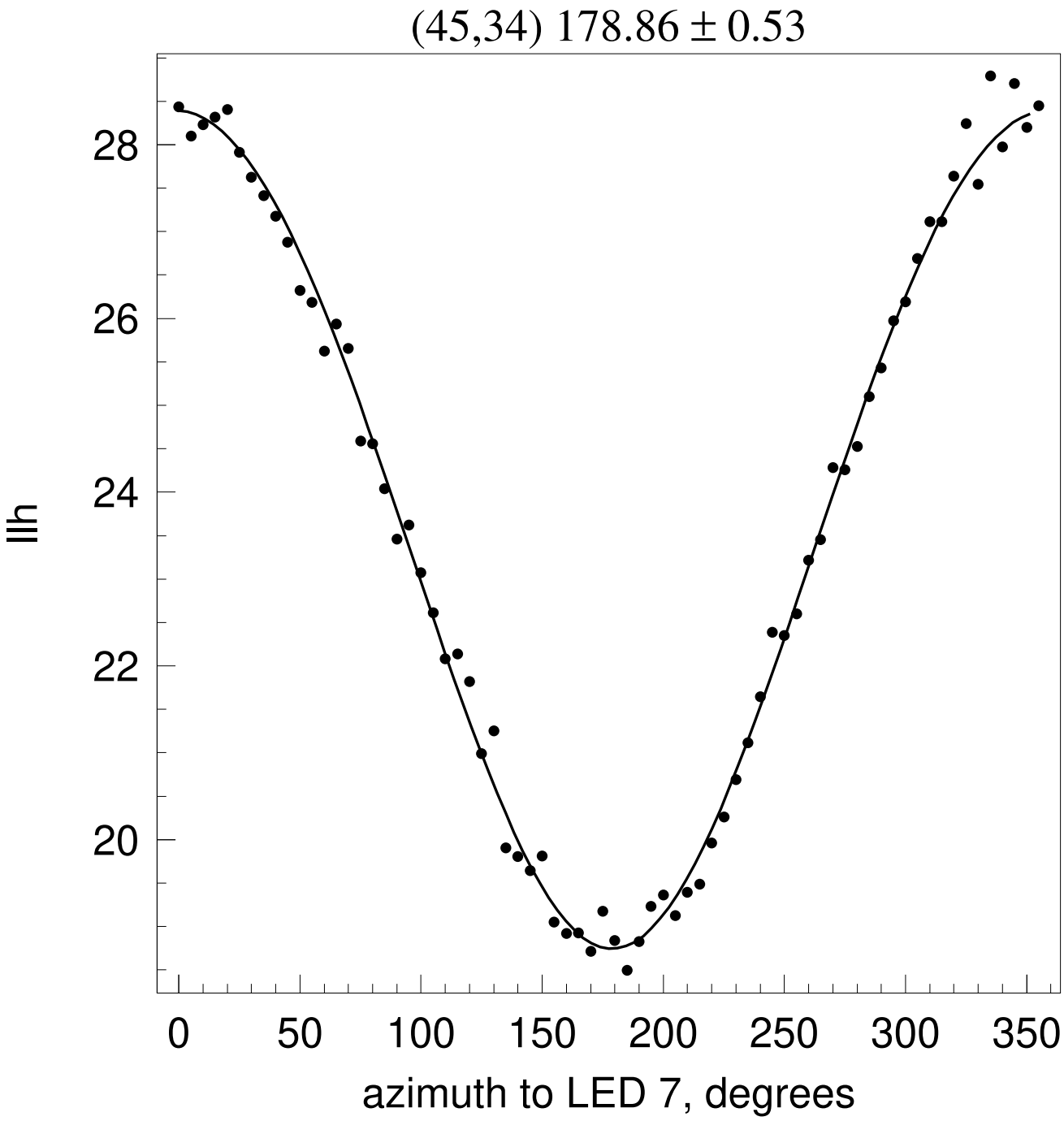

(44,34) 110.51 ± 0.31
28
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

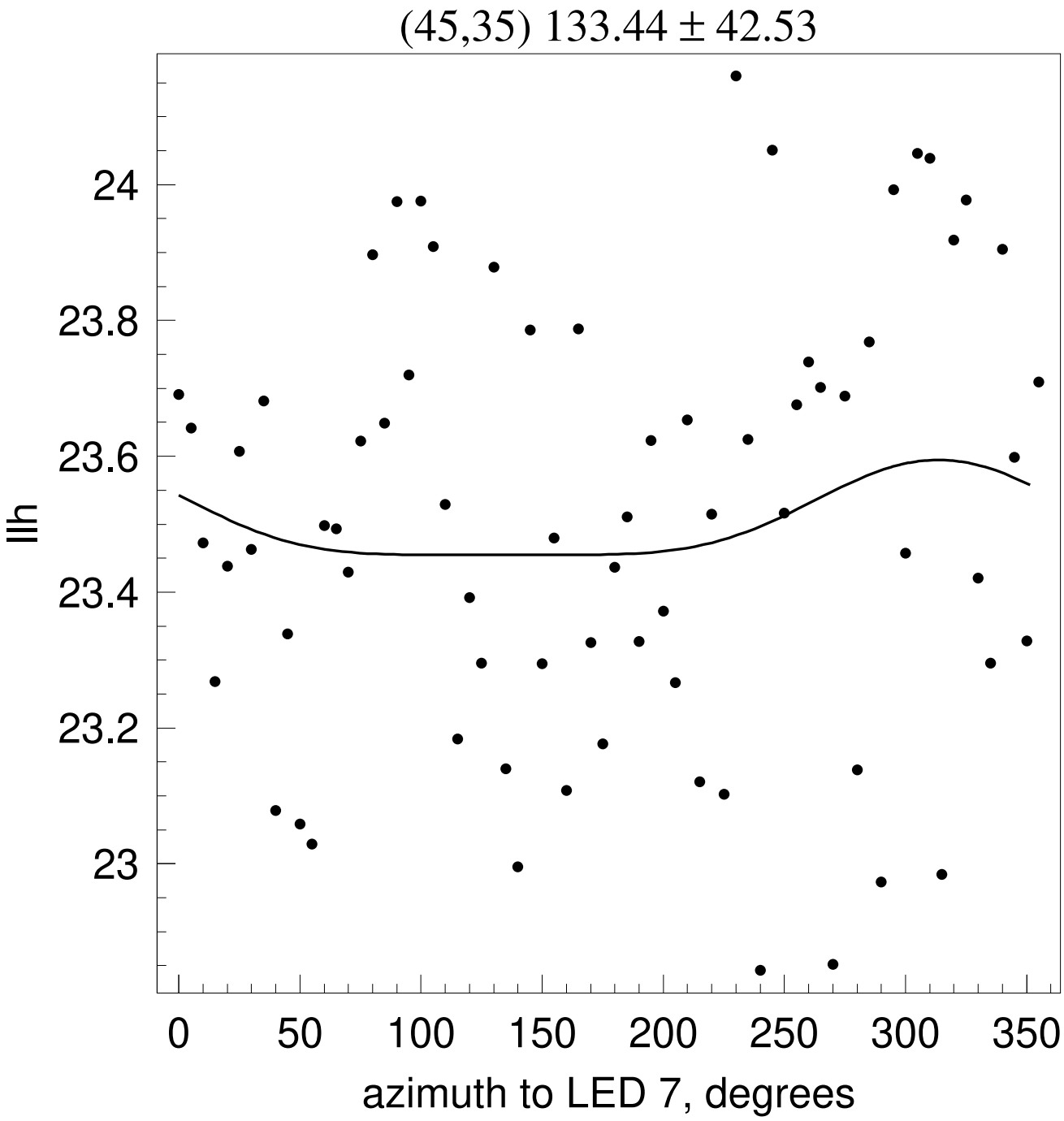

(44,35) 334.69 ± 5.89
18.5
18.25
18
17.75
17.5
17.25
17
16.75
16.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

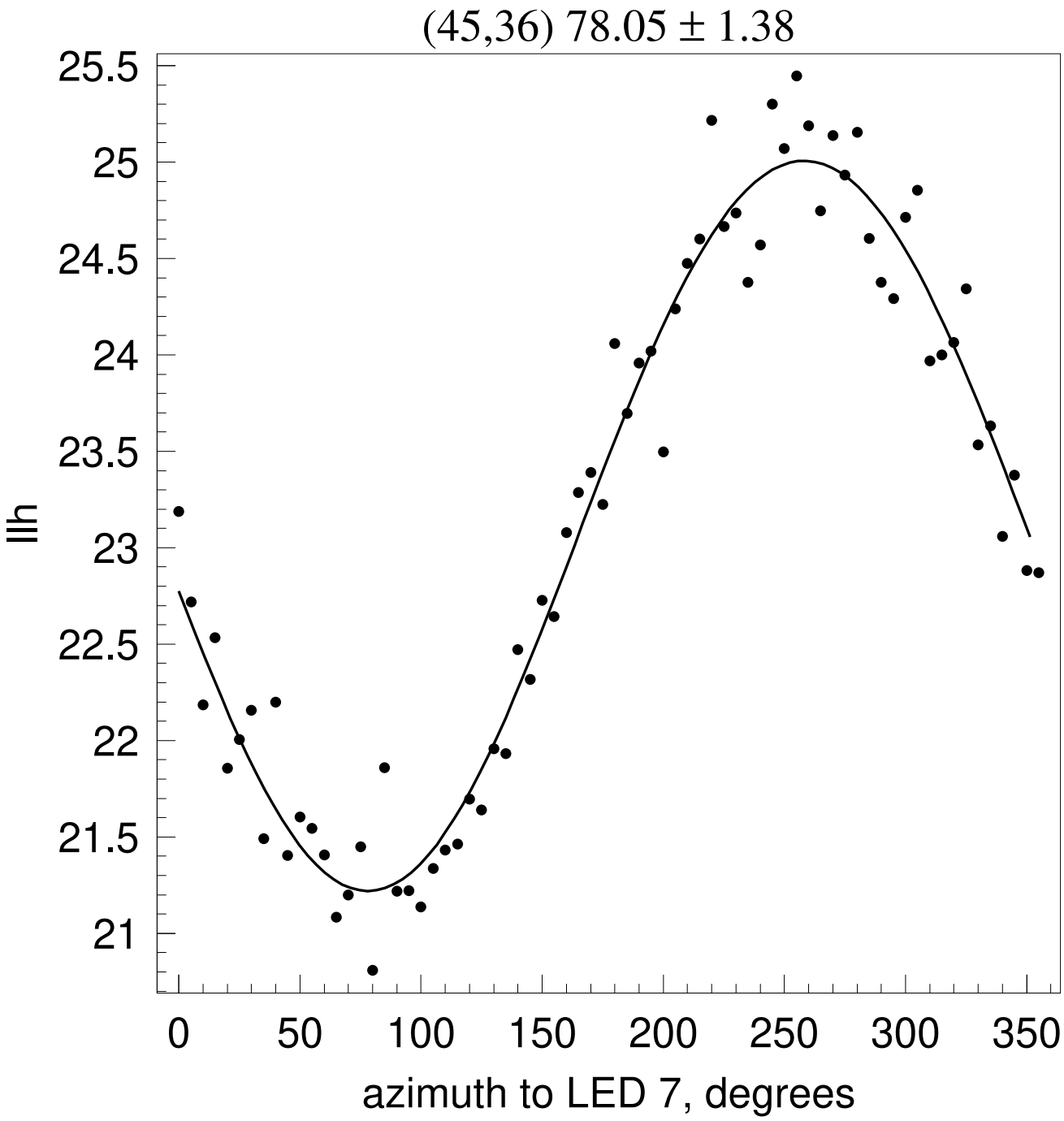

(44,36) 79.99 ± 0.05
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

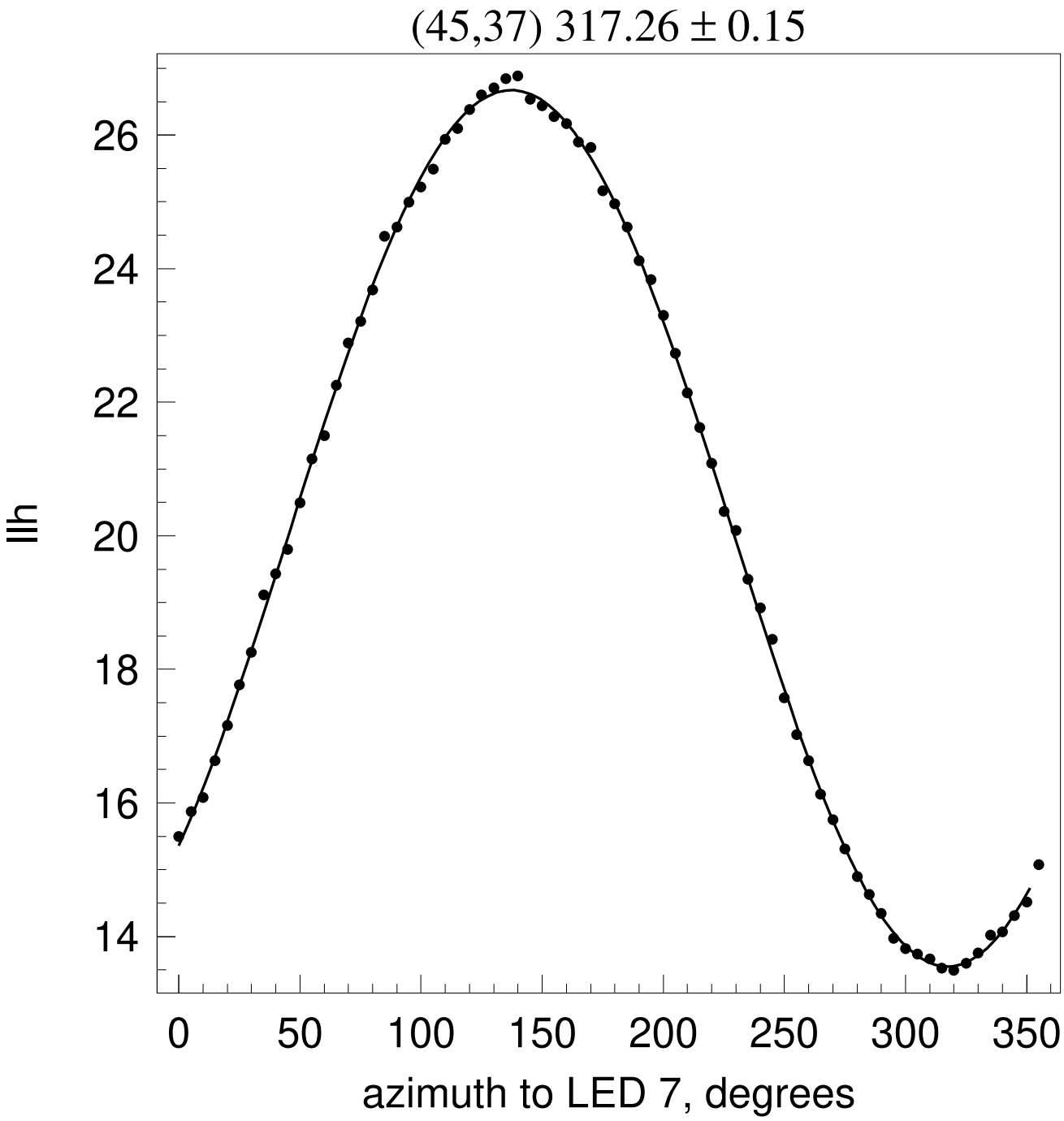

(44,37) 269.44 ± 0.68
21
20
19
18
17
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

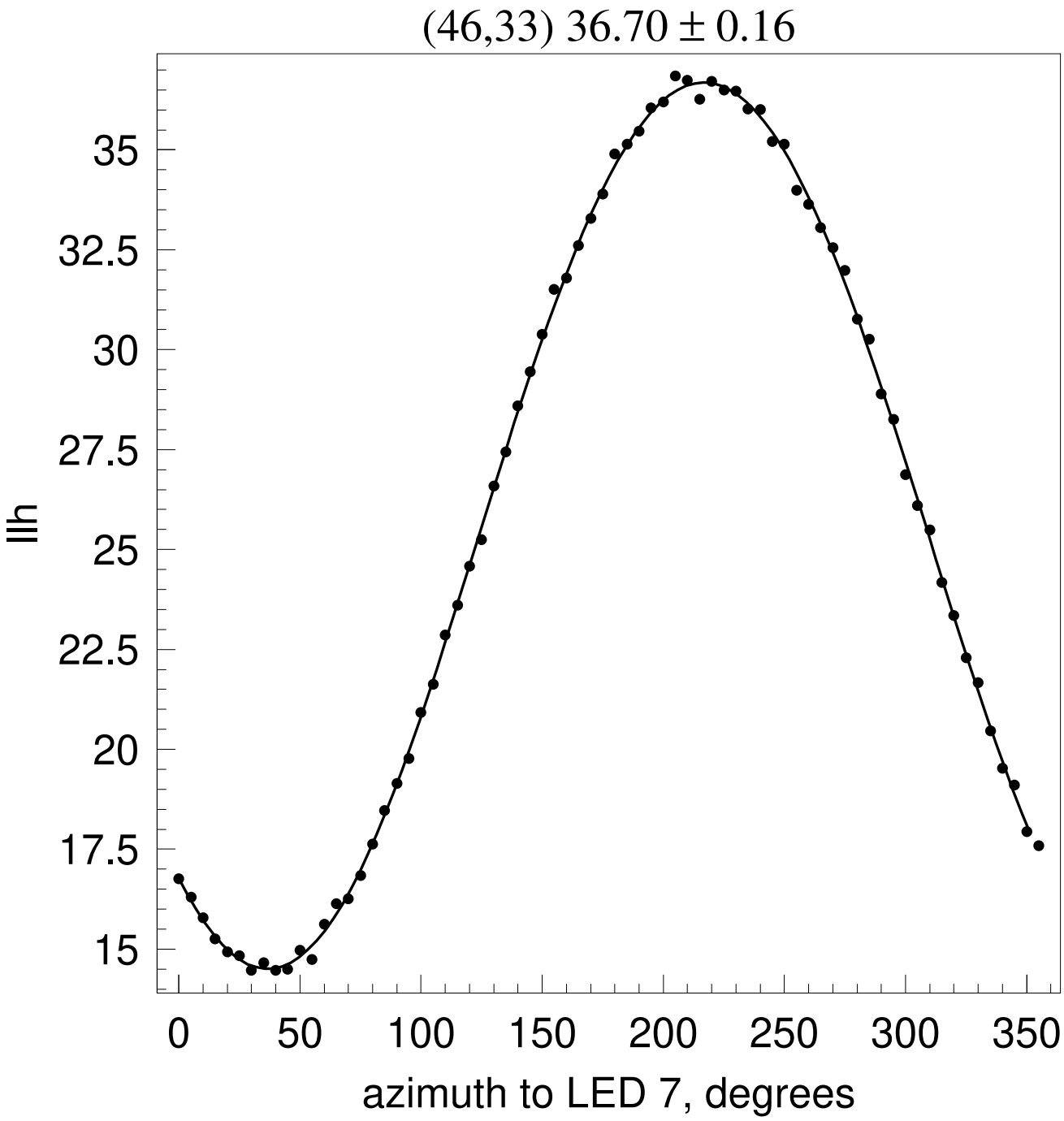

(45,33) 179.31 ± 0.35
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

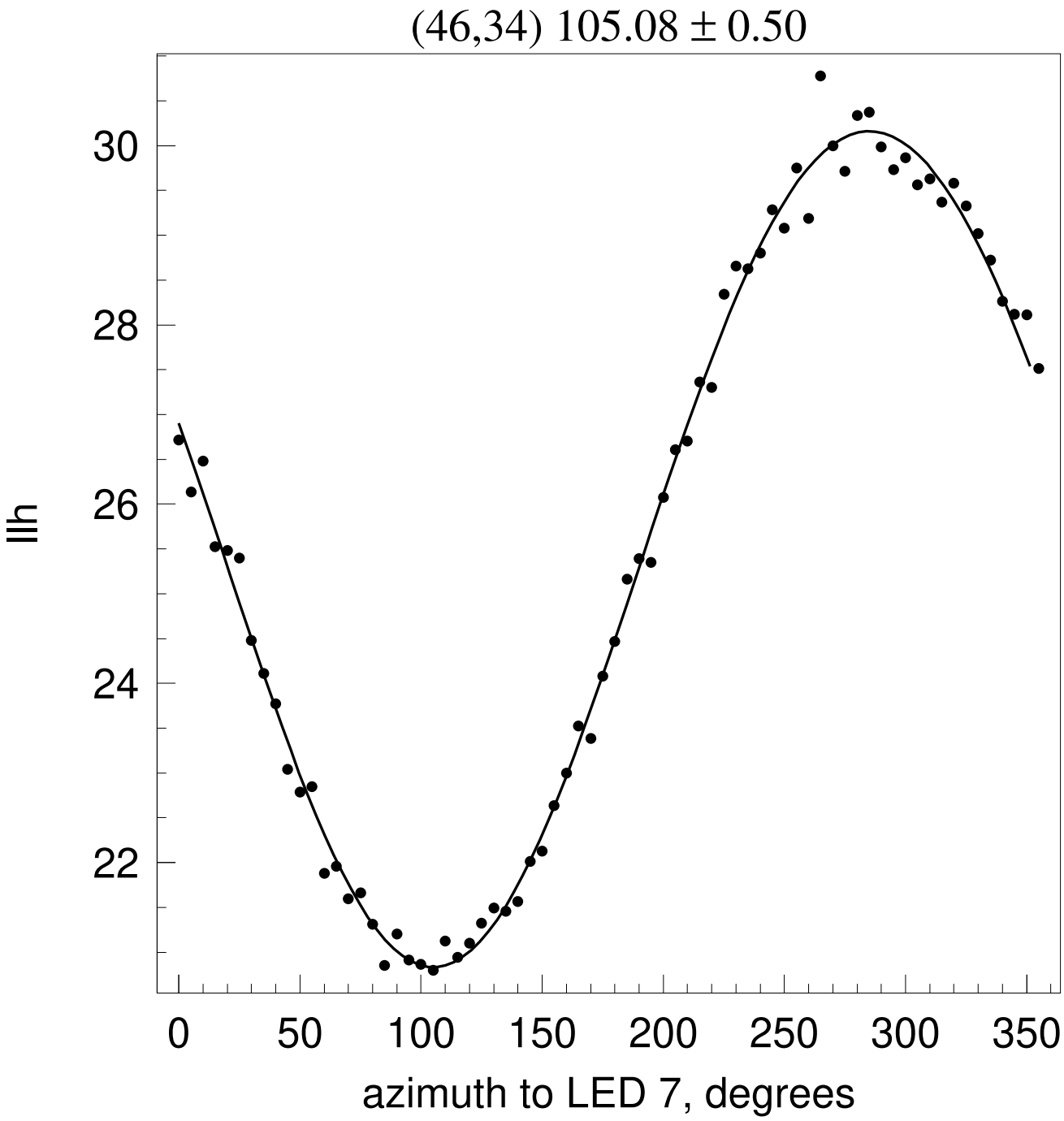

(45,34) 178.86 ± 0.53
28
26
24
22
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

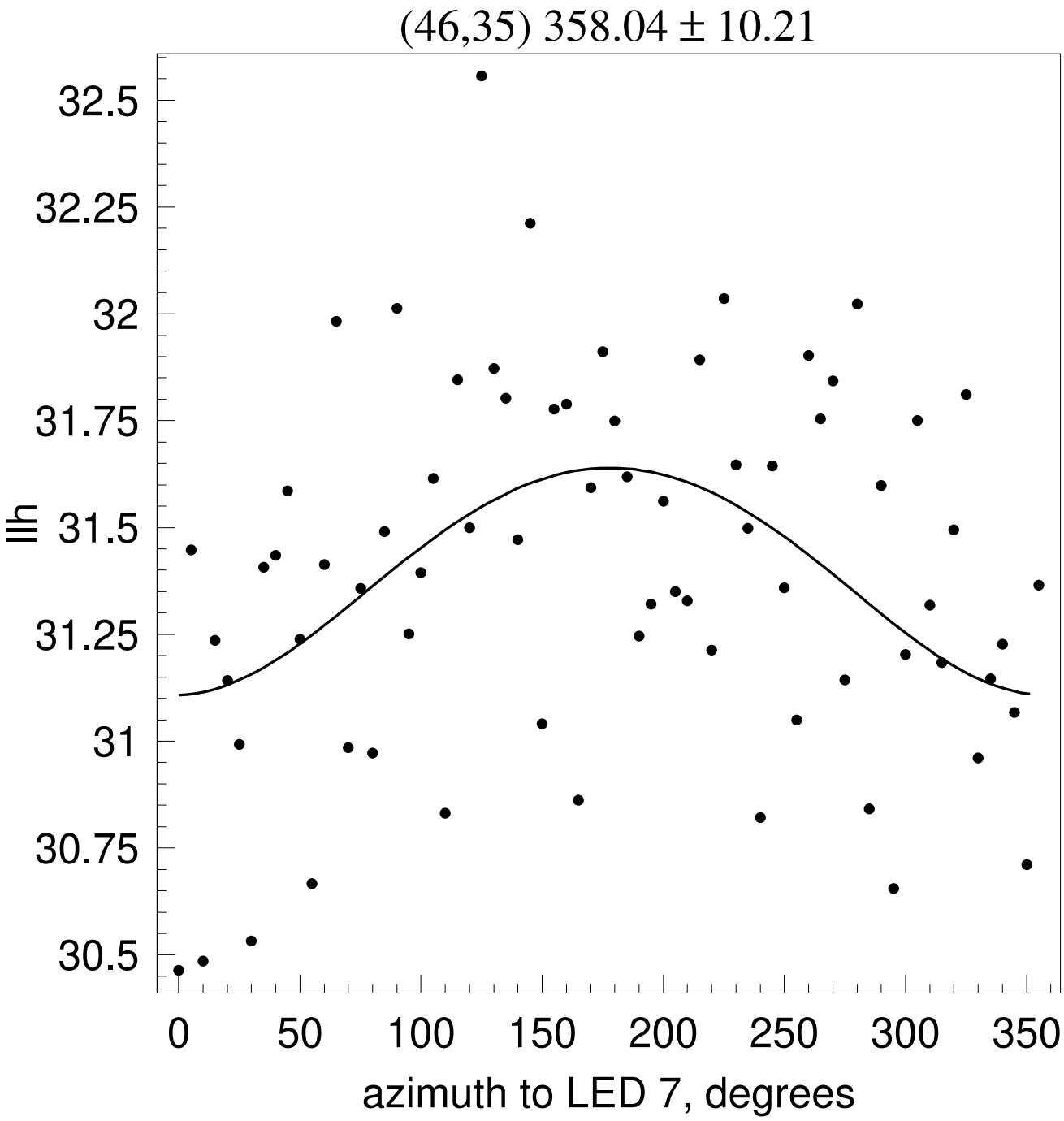

(45,35) 133.44 ± 42.53
24
23.8
23.6
23.4
23.2
23
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

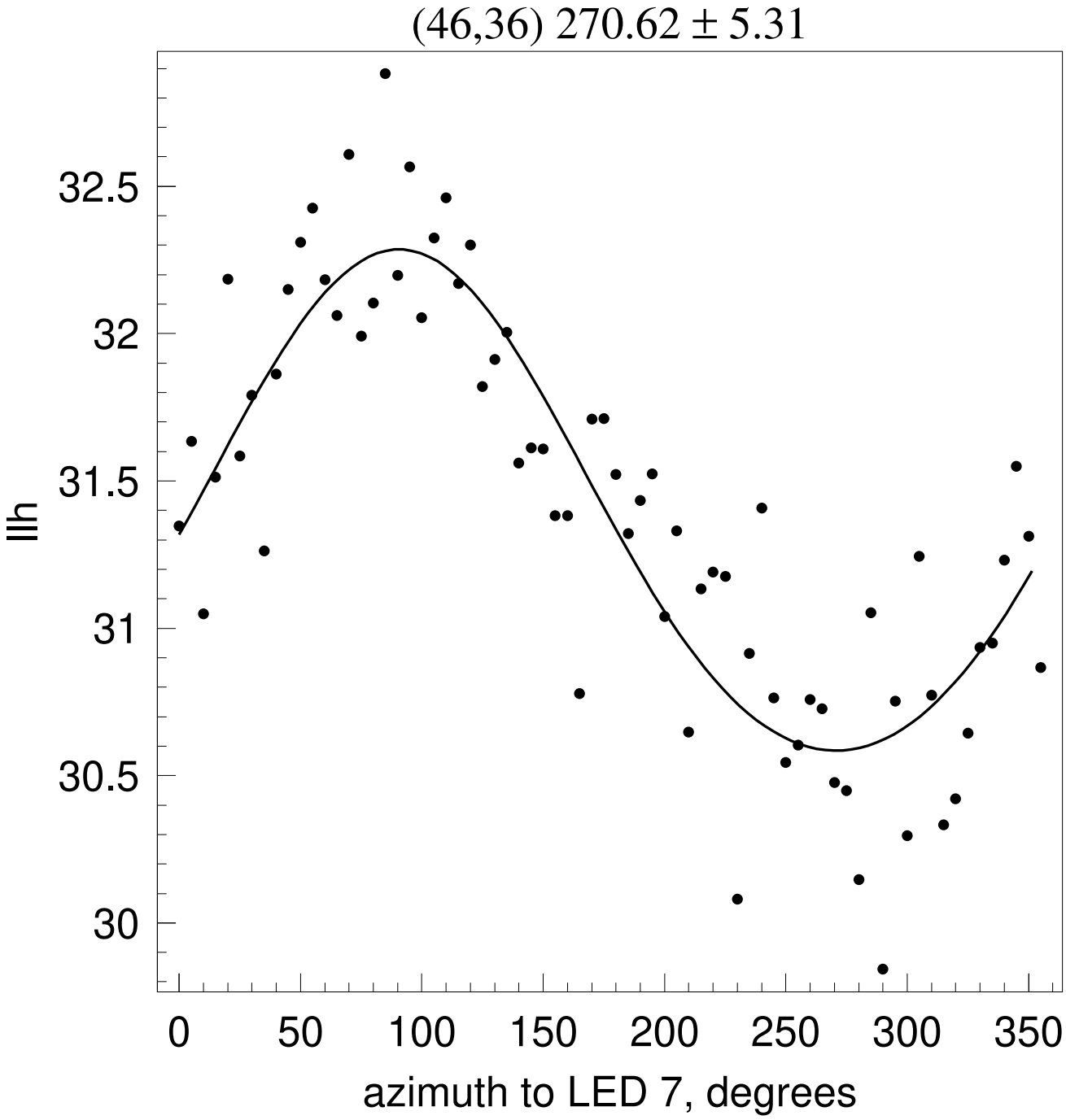

(45,36) 78.05 ± 1.38
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

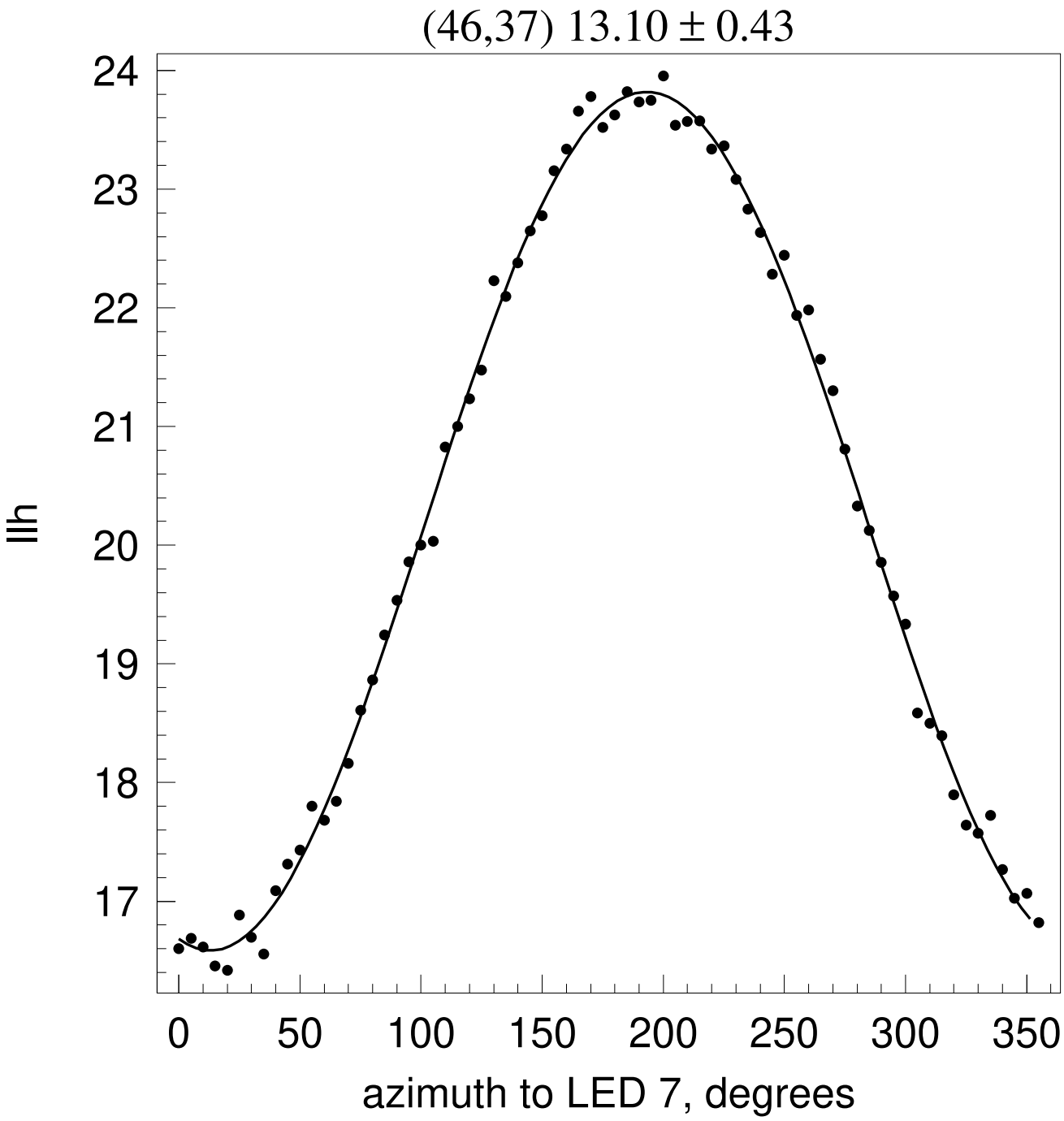

(45,37) 317.26 ± 0.15
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

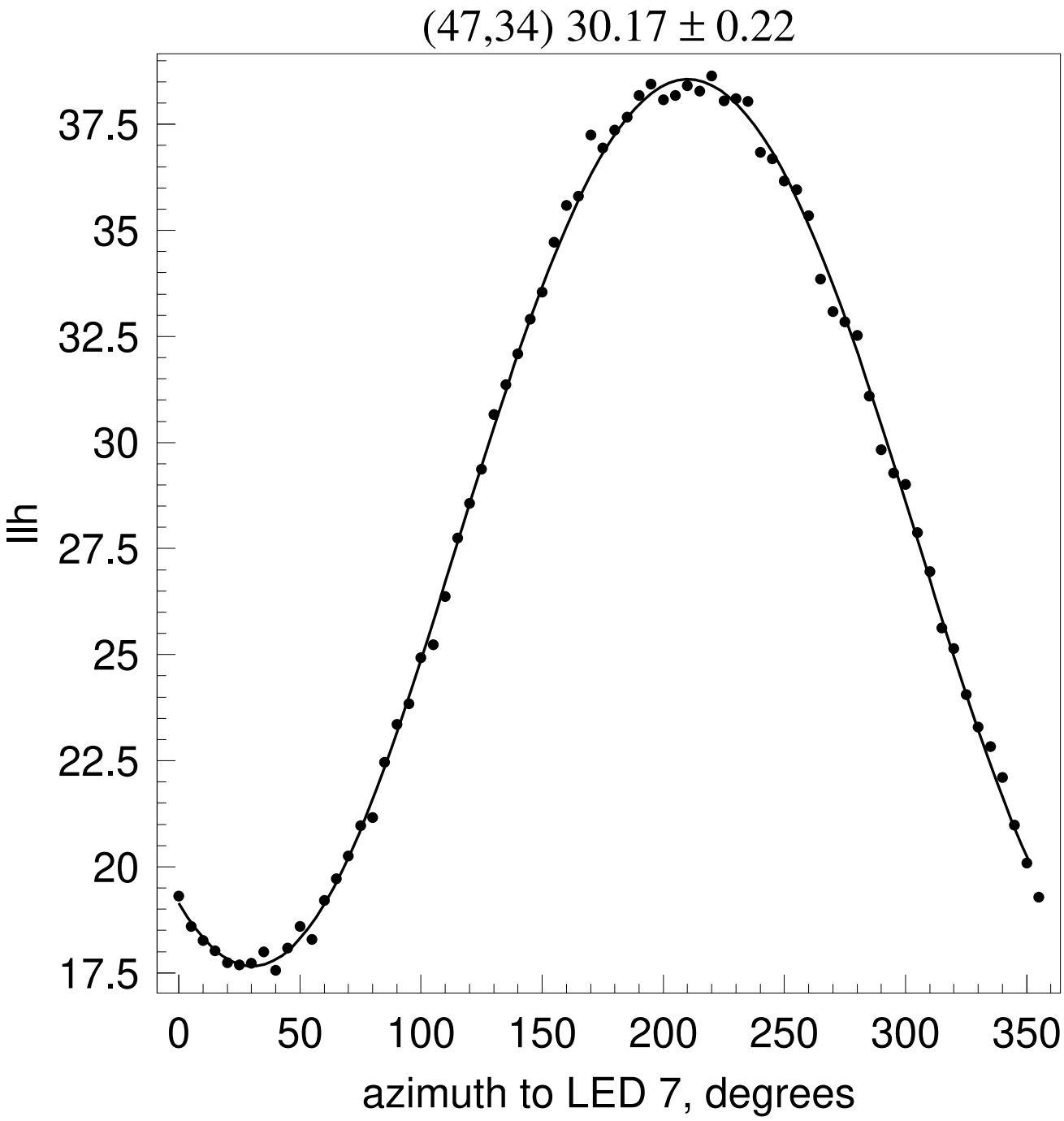

(46,33) 36.70 ± 0.16
35
32.5
30
27.5
25
22.5
20
17.5
15
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

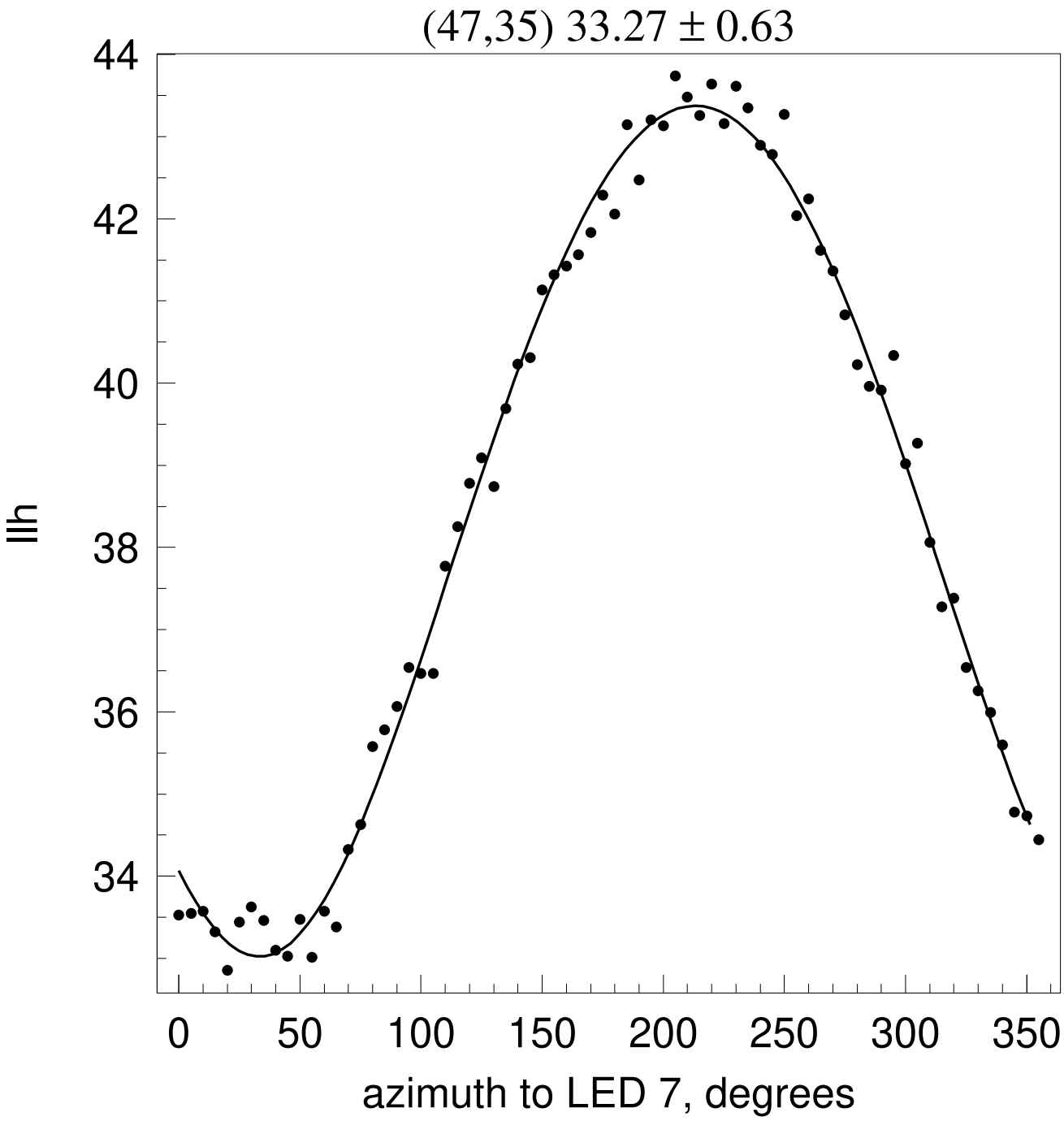

(46,34) 105.08 ± 0.50
30
28
26
24
22
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

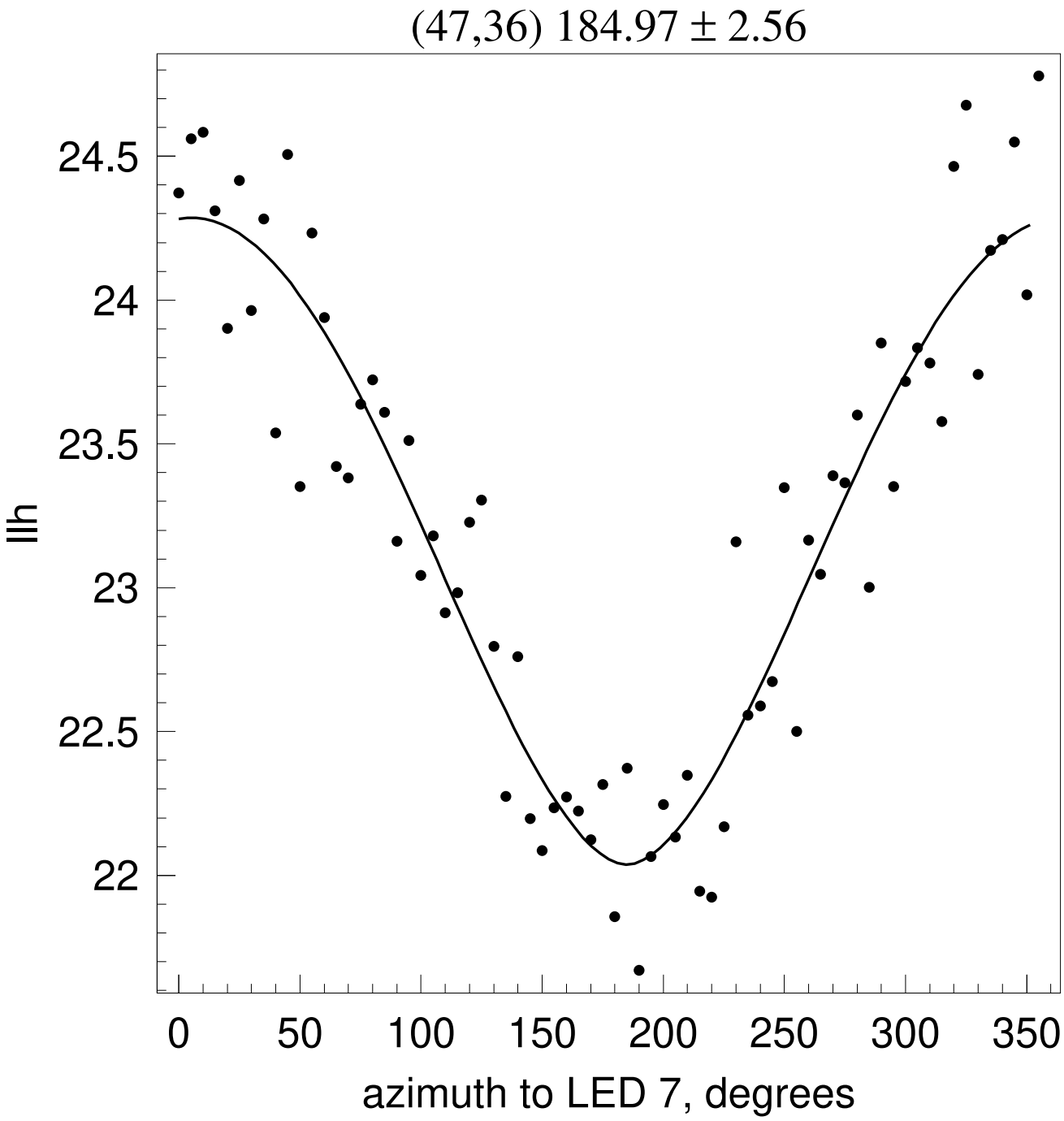

(46,35) 358.04 ± 10.21
32.5
32.25
32
31.75
31.5
31.25
31
30.75
30.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

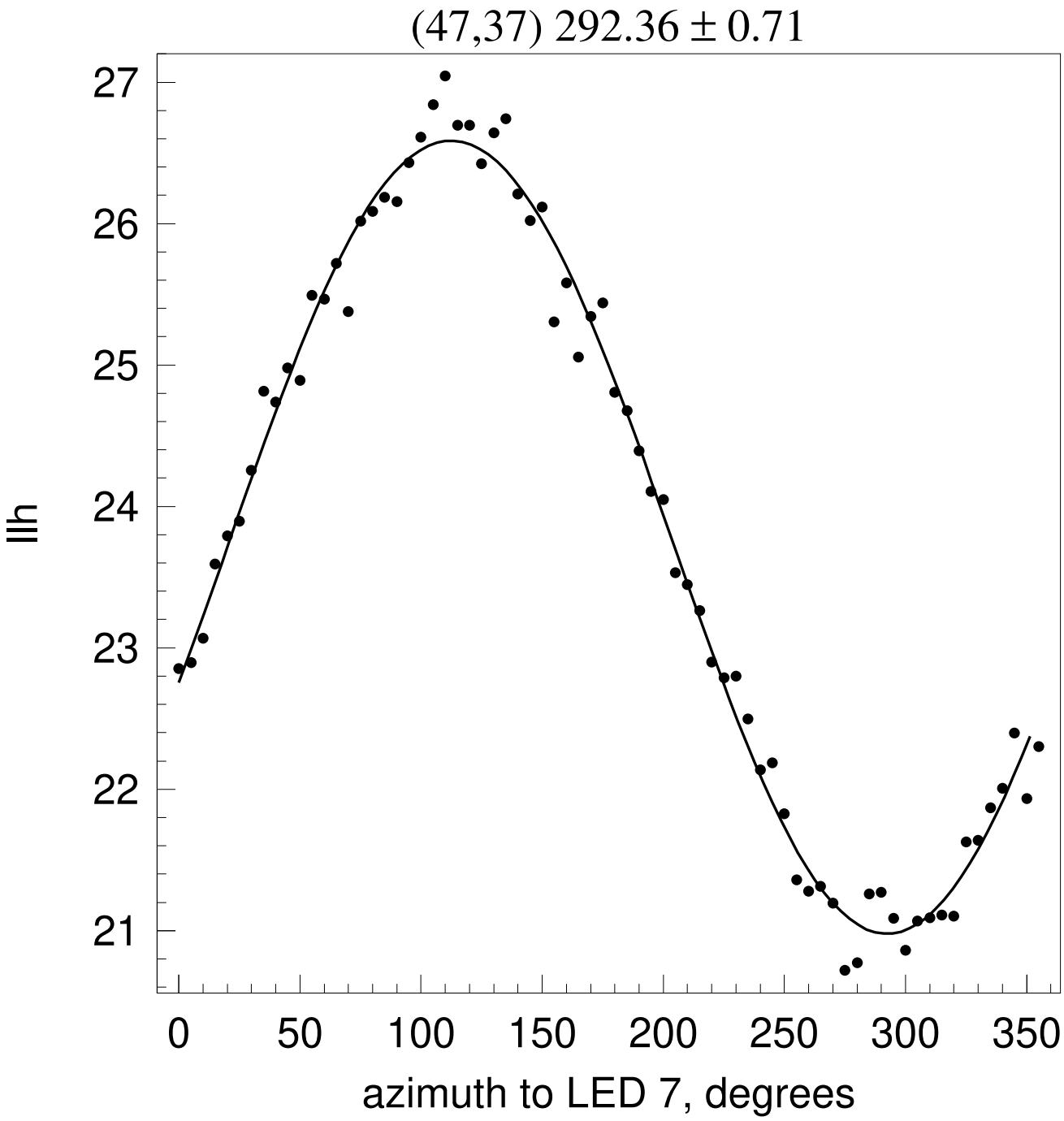

(46,36) 270.62 ± 5.31
32.5
32
31.5
31
30.5
30
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

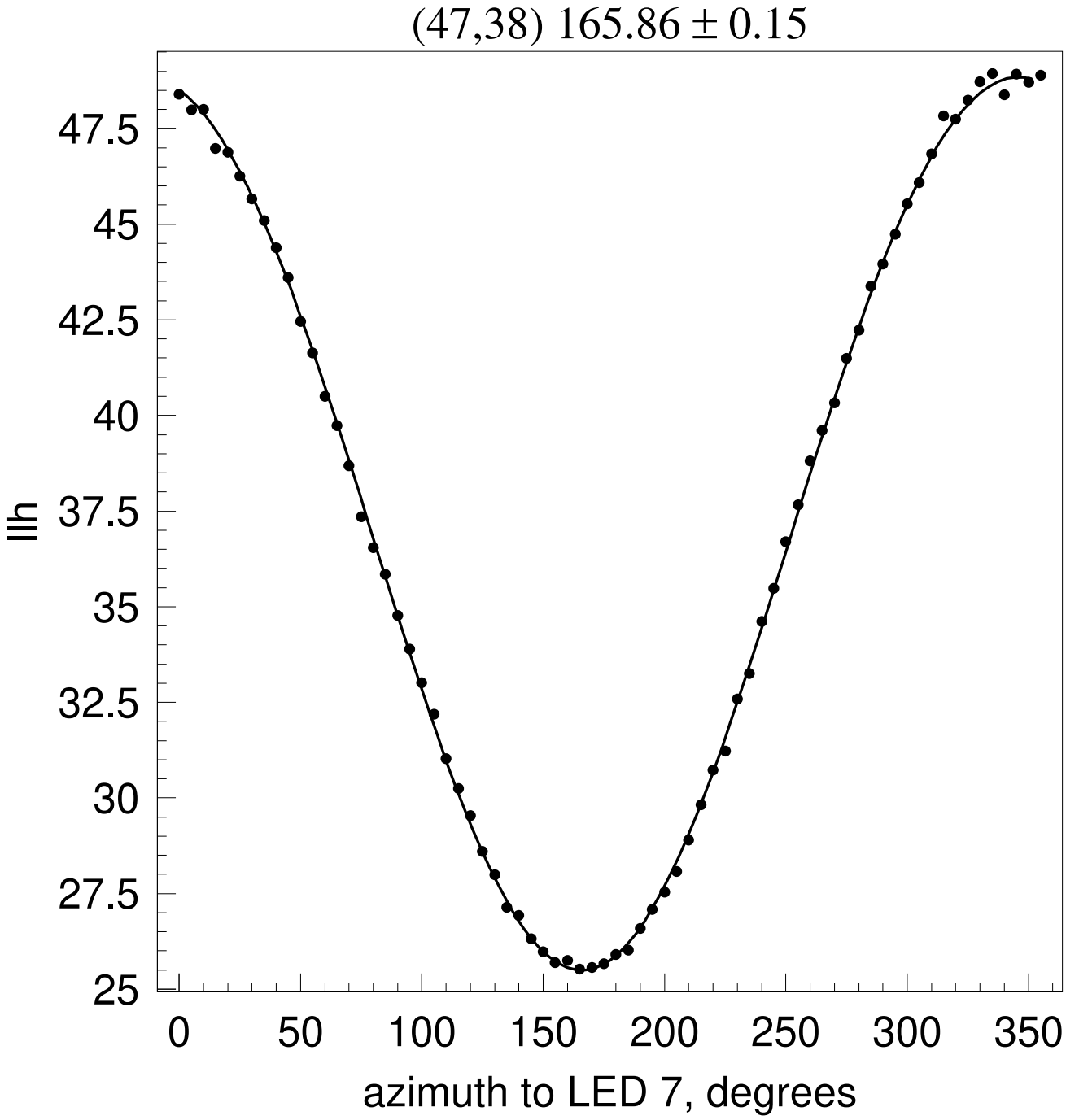

(46,37) 13.10 ± 0.43
24
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

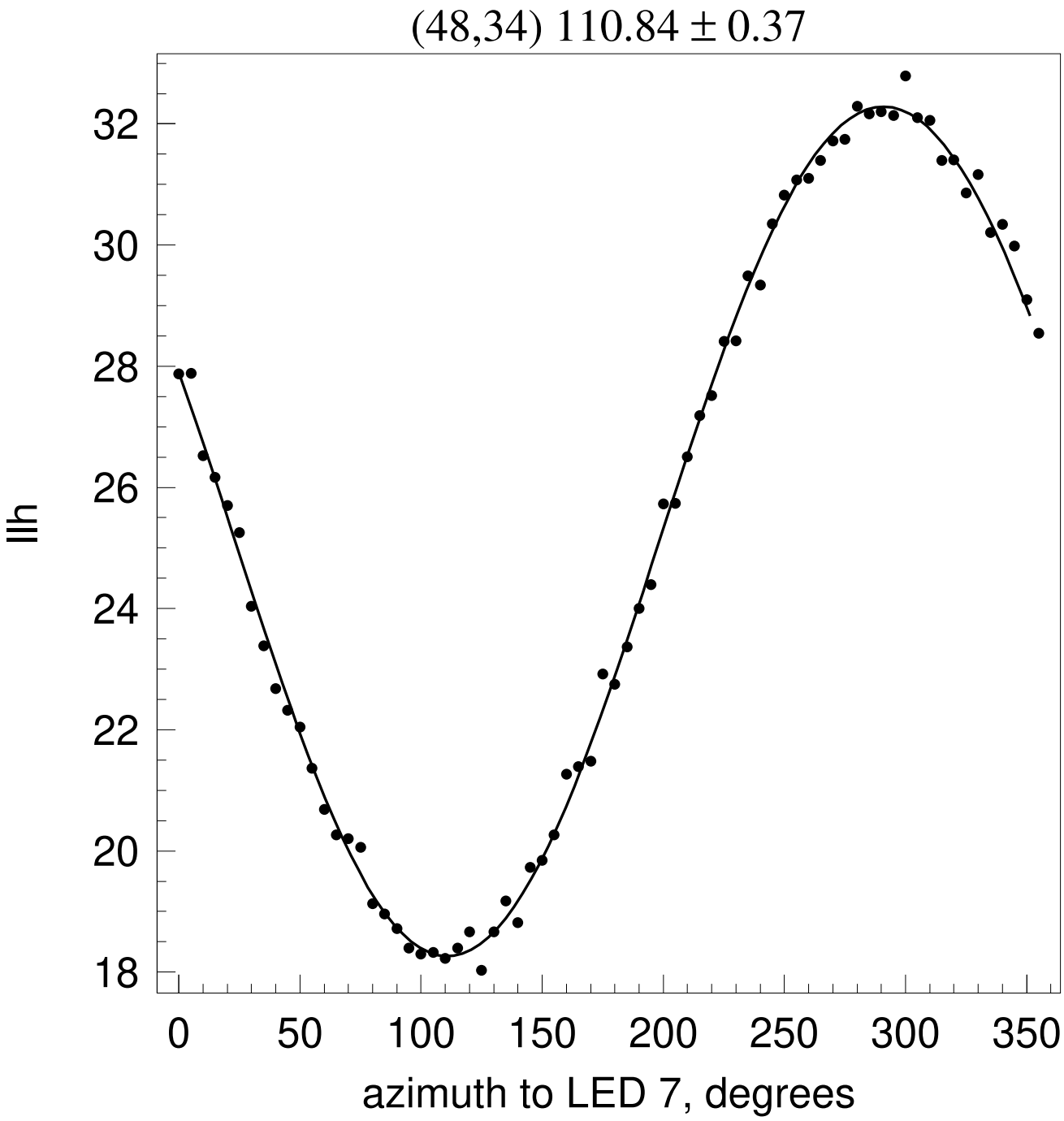

(47,34) 30.17 ± 0.22
37.5
35
32.5
30
27.5
25
22.5
20
17.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

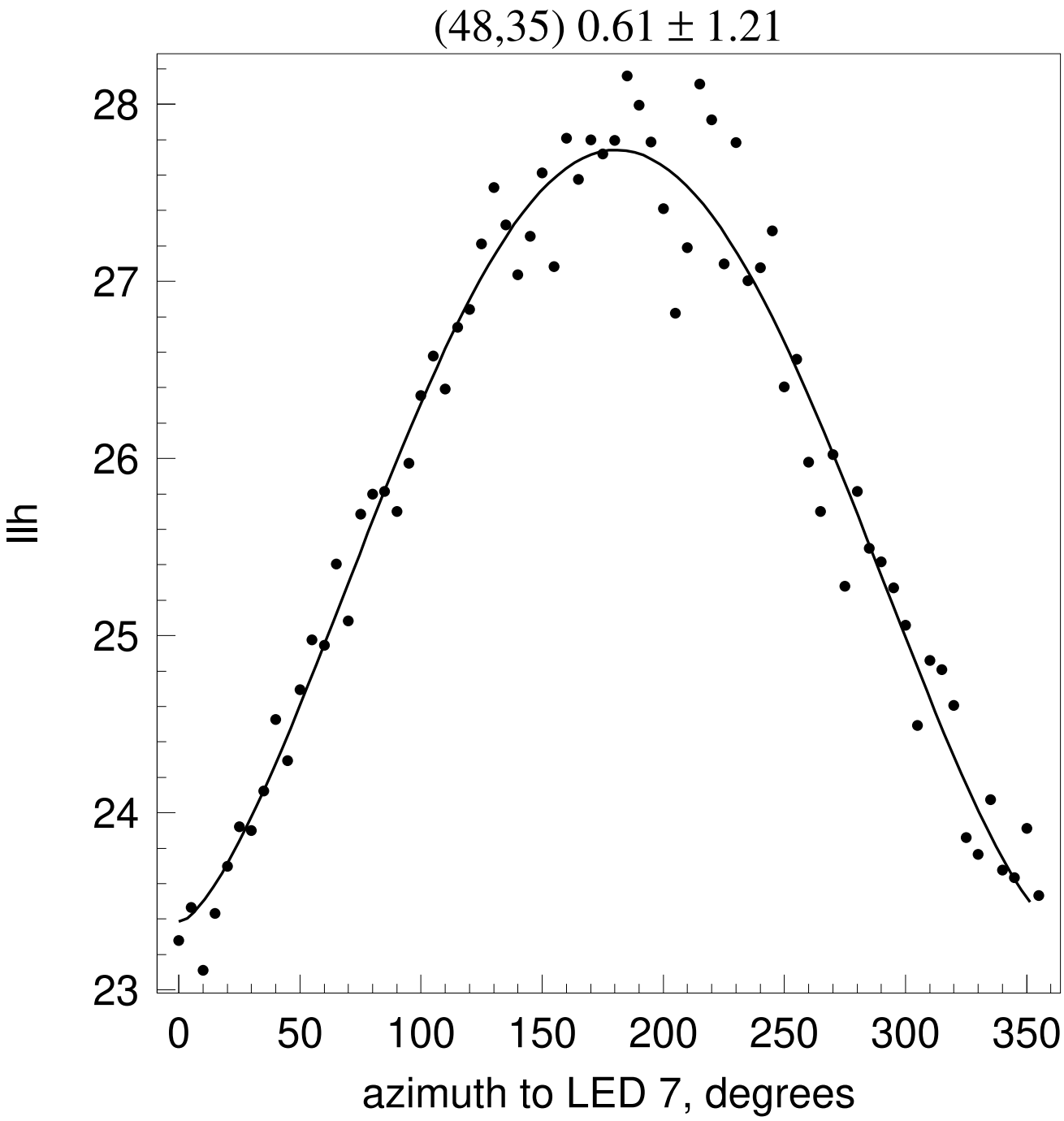

(47,35) 33.27 ± 0.63
44
42
40
38
36
34
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

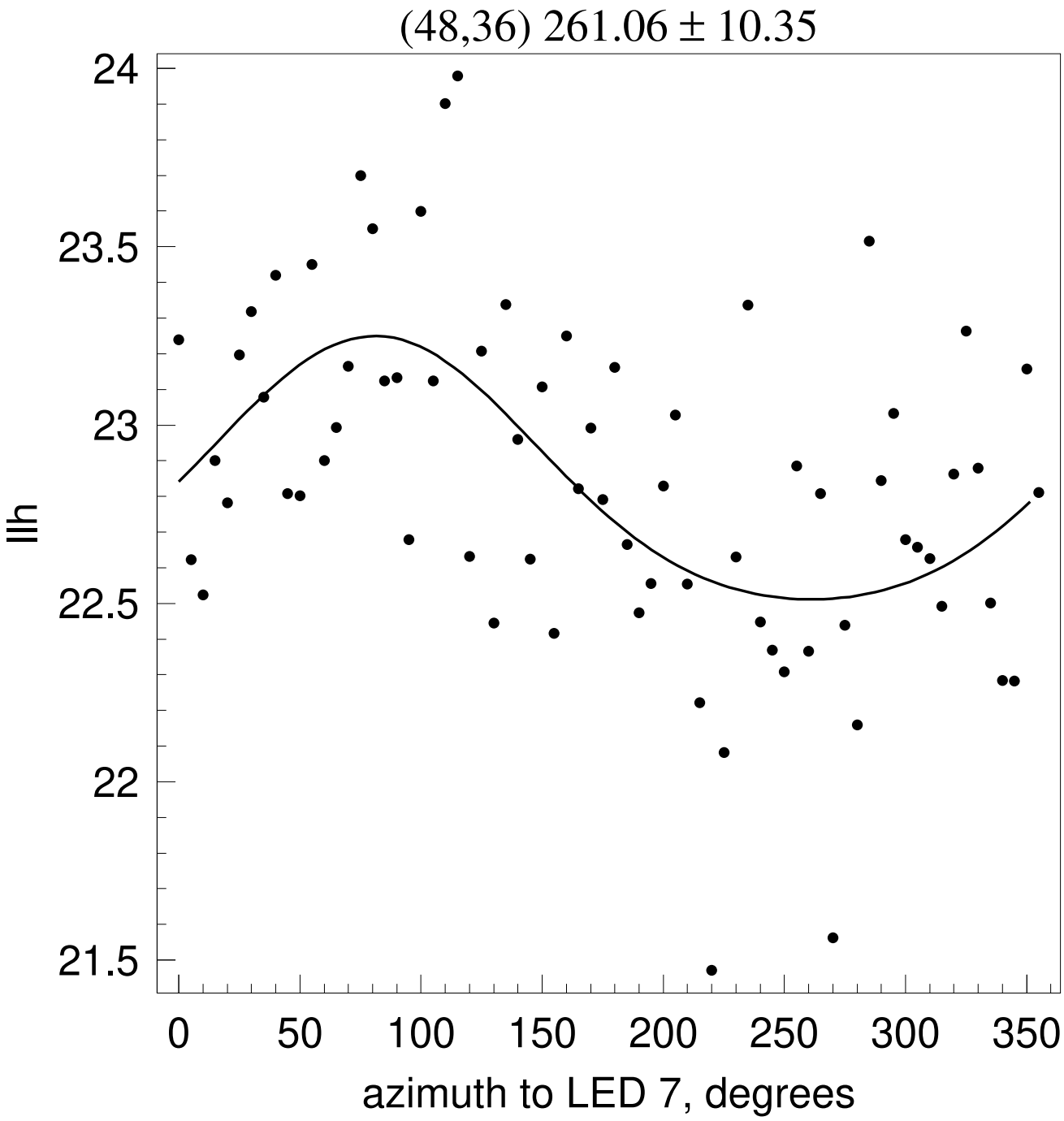

(47,36) 184.97 ± 2.56
24.5
24
23.5
23
22.5
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

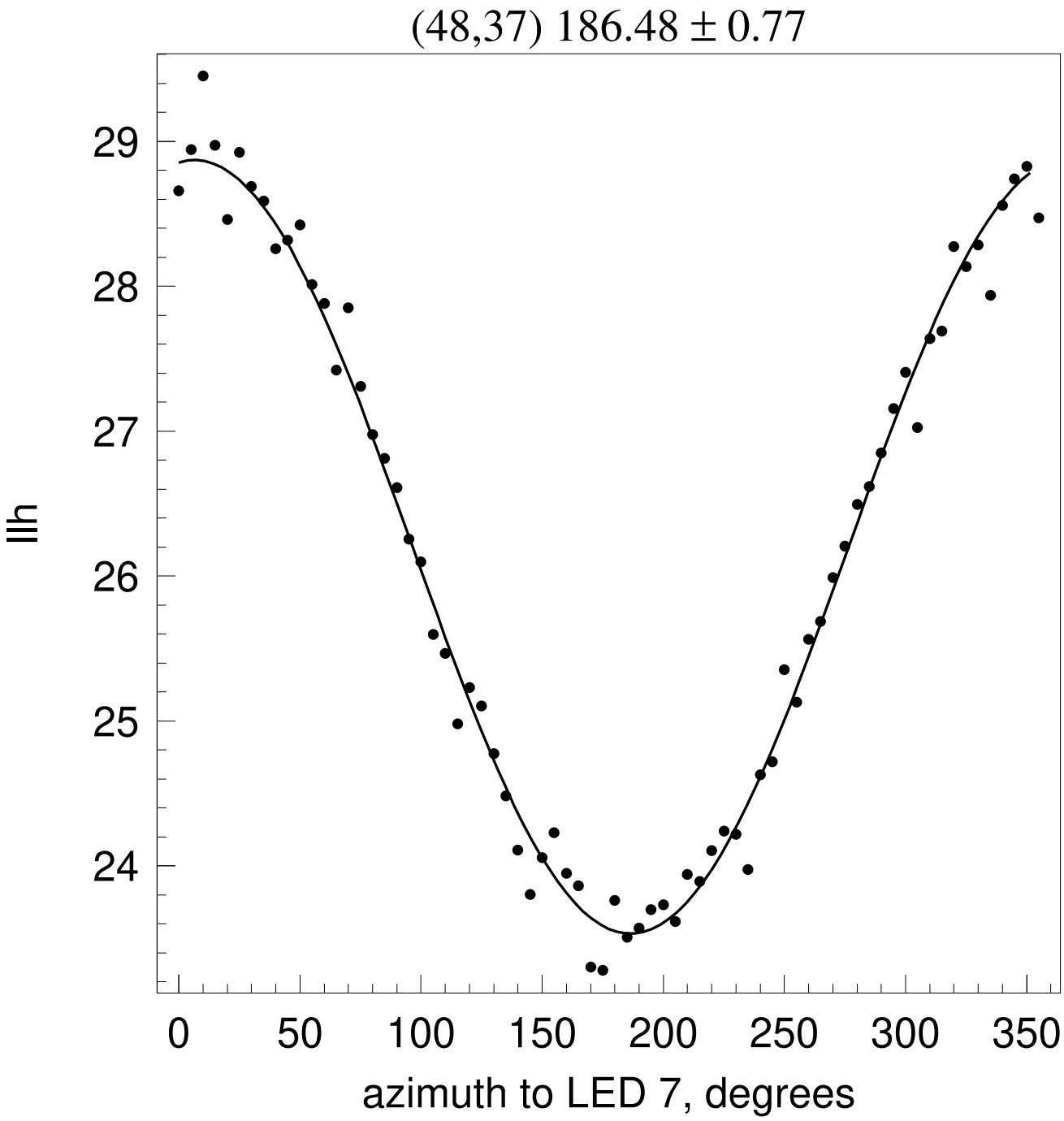

(47,37) 292.36 ± 0.71
27
26
25
24
23
22
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

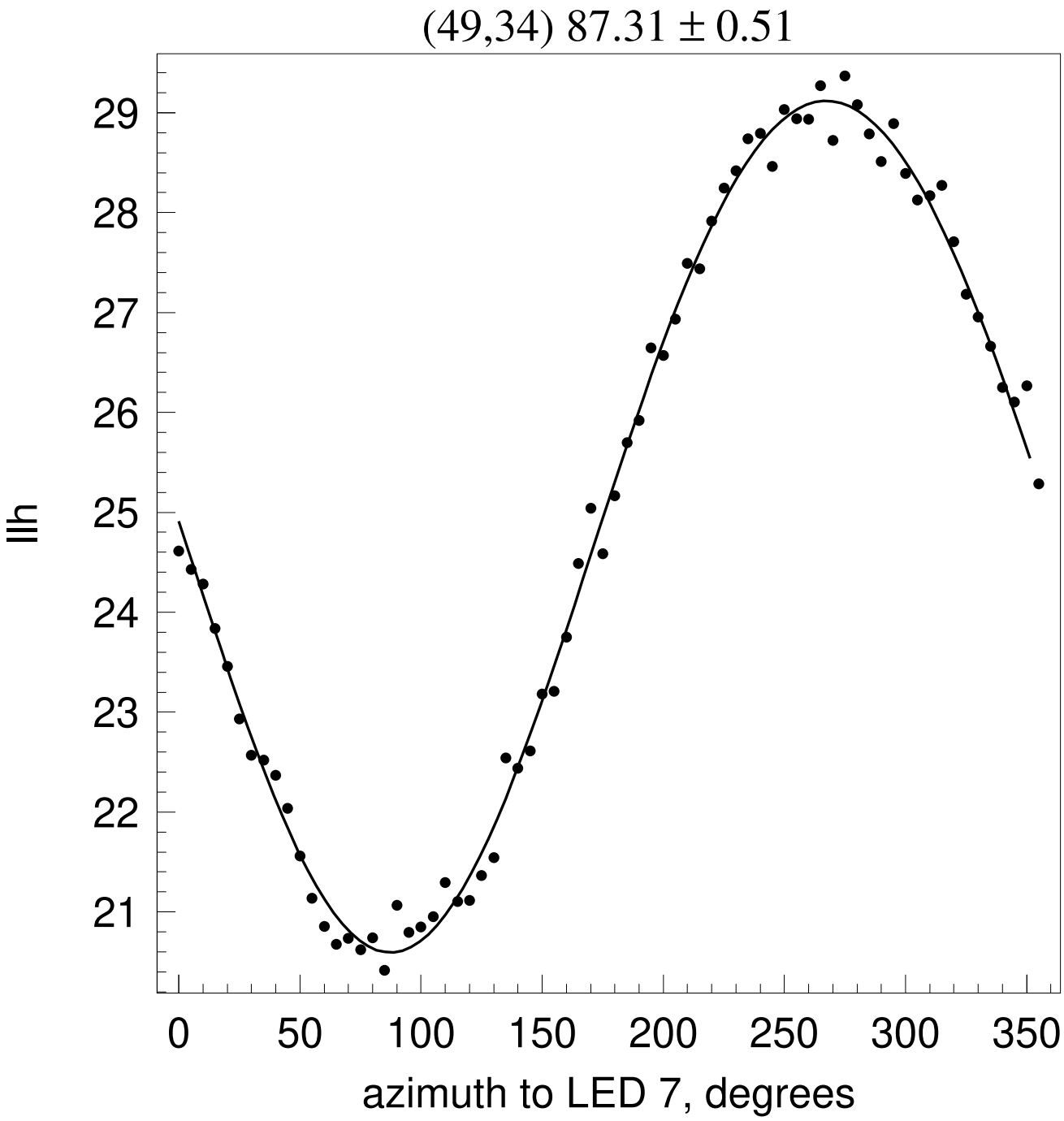

(47,38) 165.86 ± 0.15
47.5
45
42.5
40
37.5
35
32.5
30
27.5
25
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

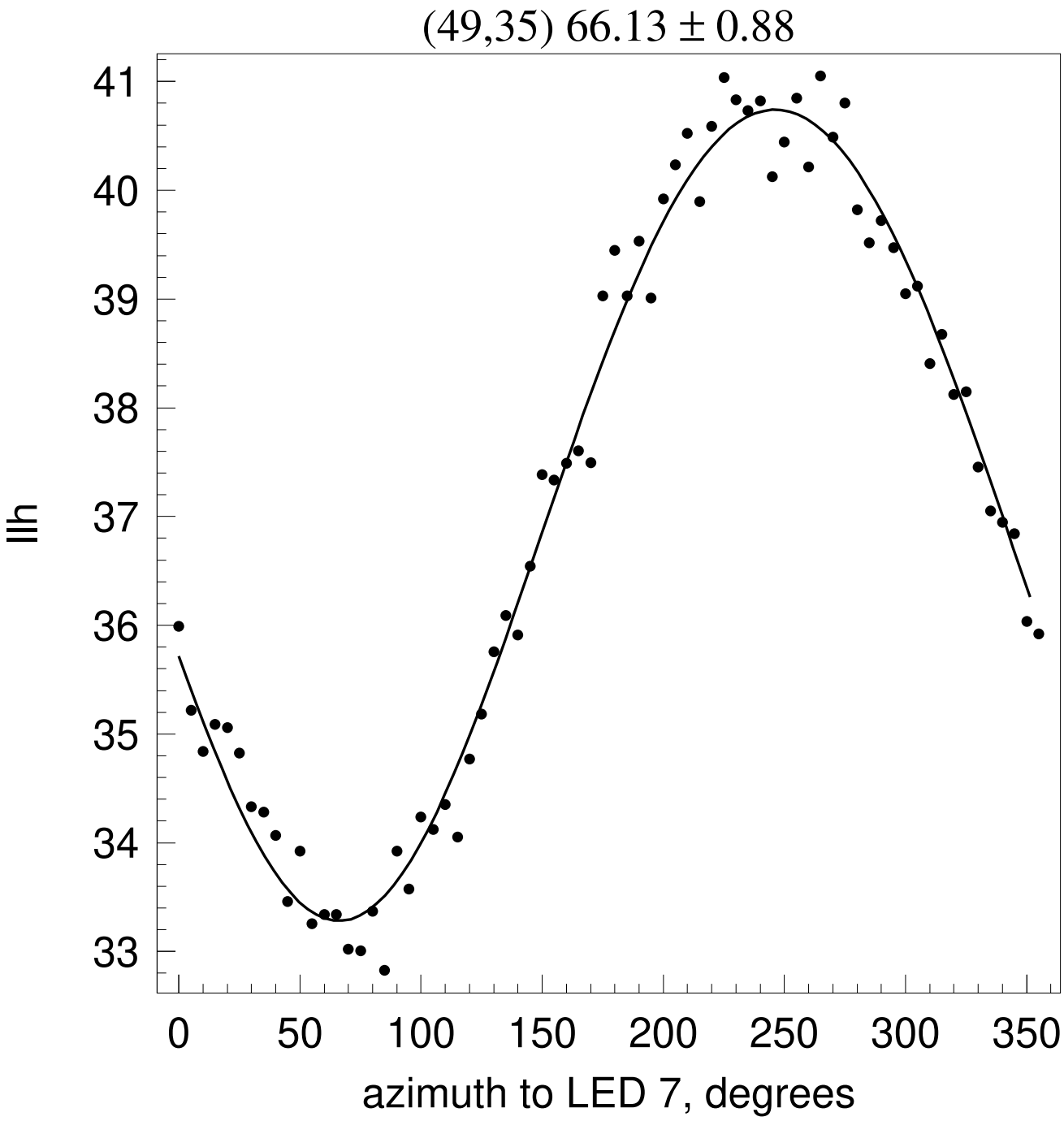

(48,34) 110.84 ± 0.37
32
30
28
26
24
22
20
18
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

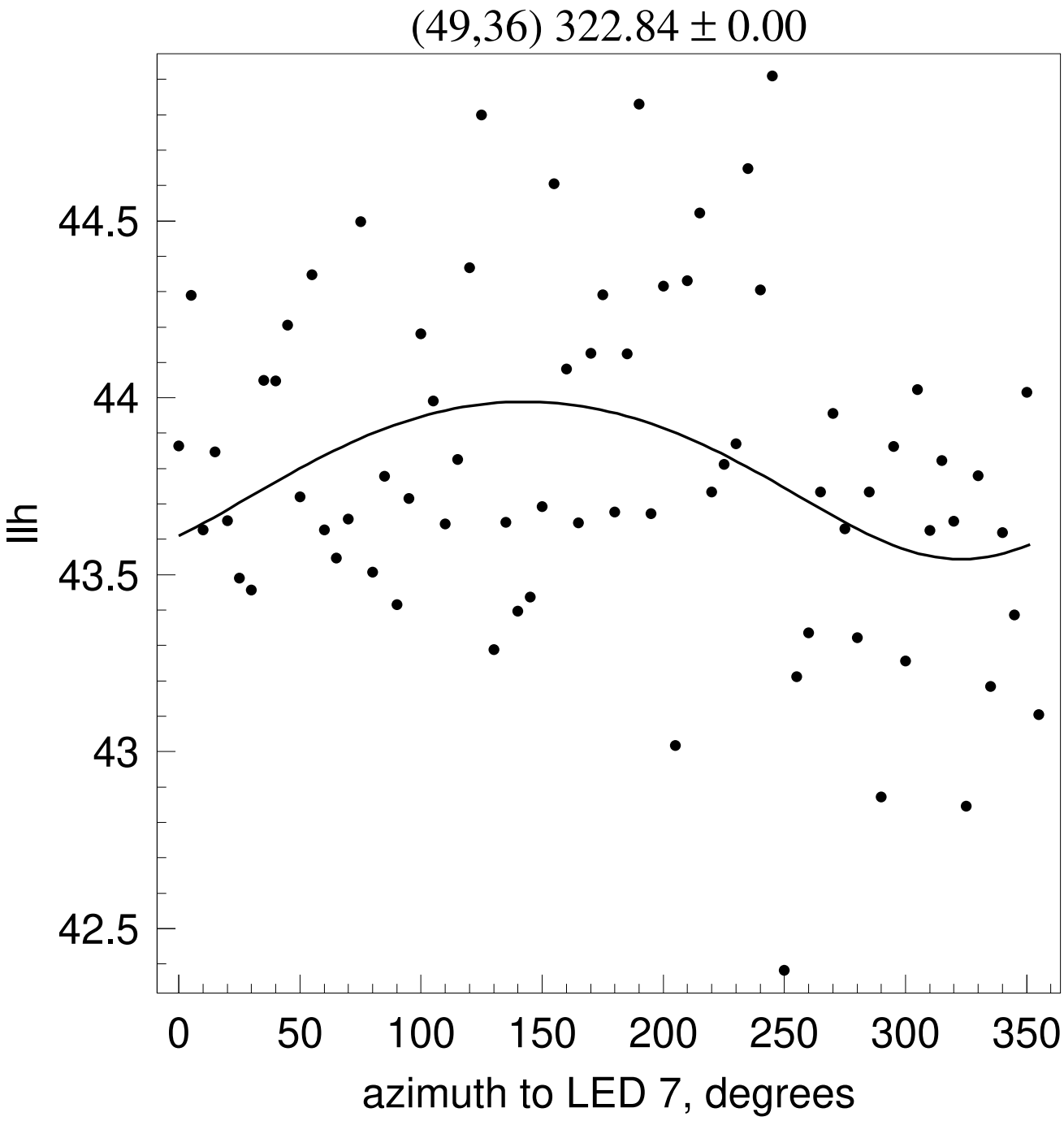

(48,35) 0.61 ± 1.21
28
27
26
25
24
23
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

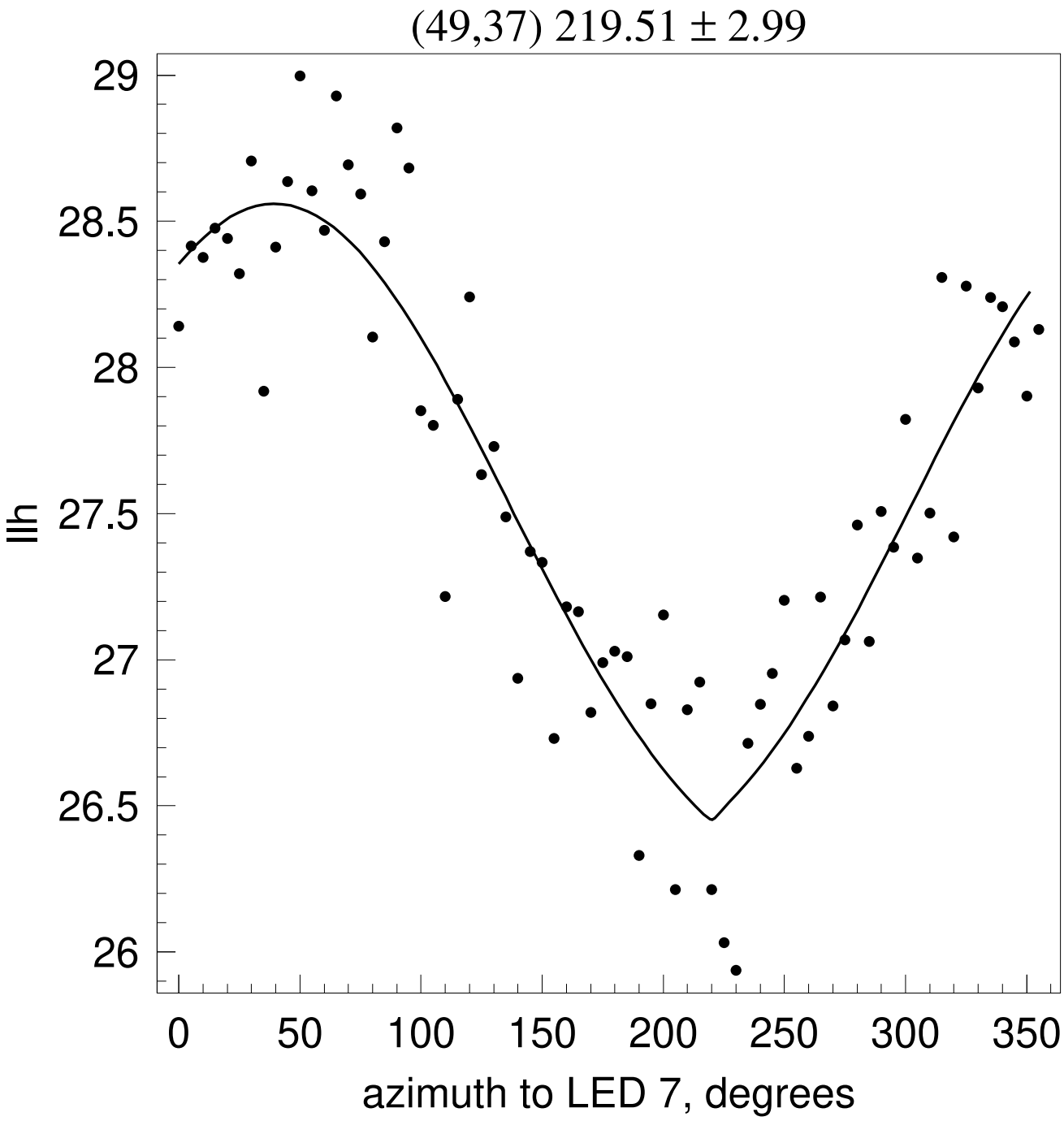

(48,36) 261.06 ± 10.35
24
23.5
23
22.5
22
21.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

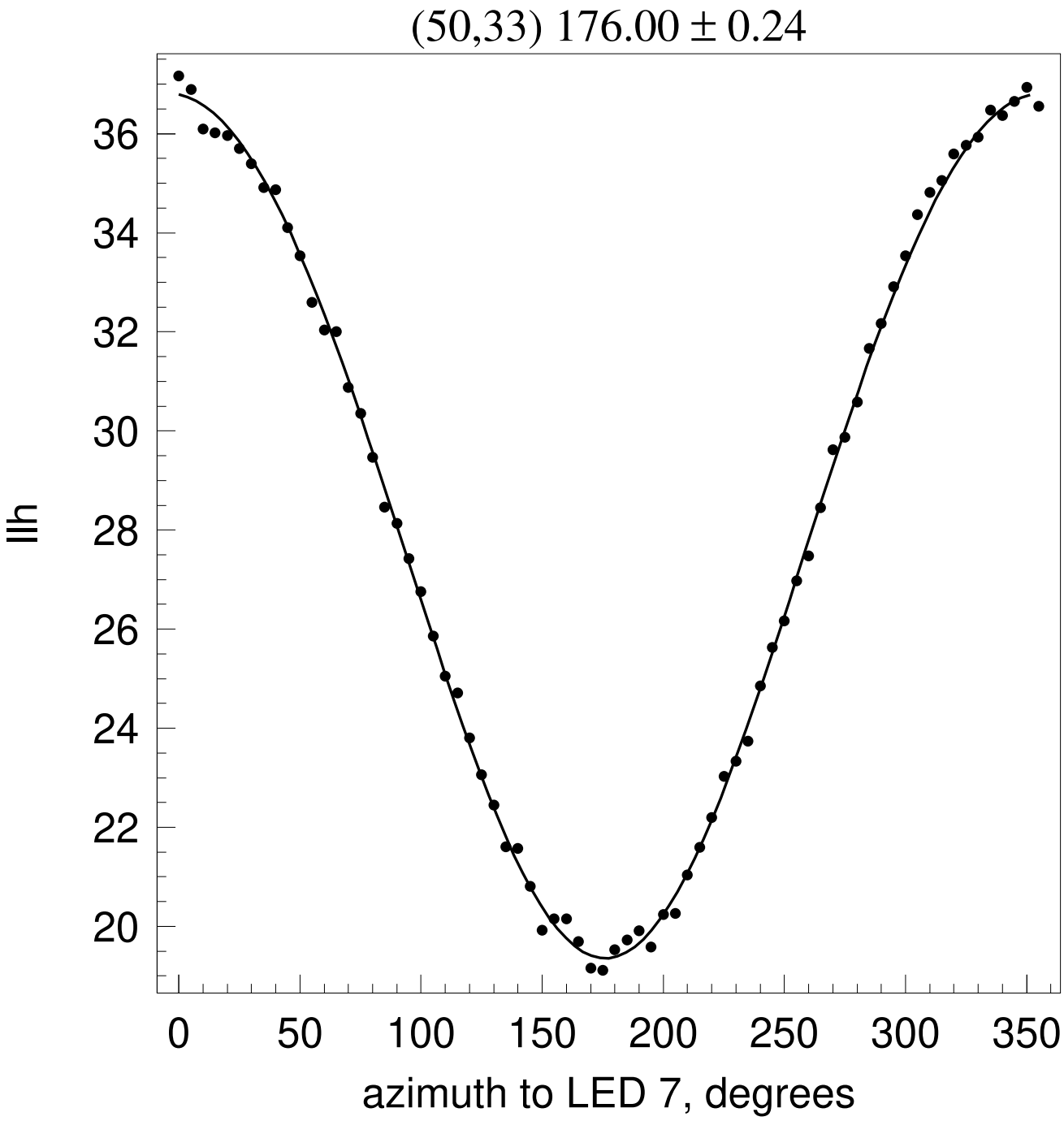

(48,37) 186.48 ± 0.77
29
28
27
26
25
24
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

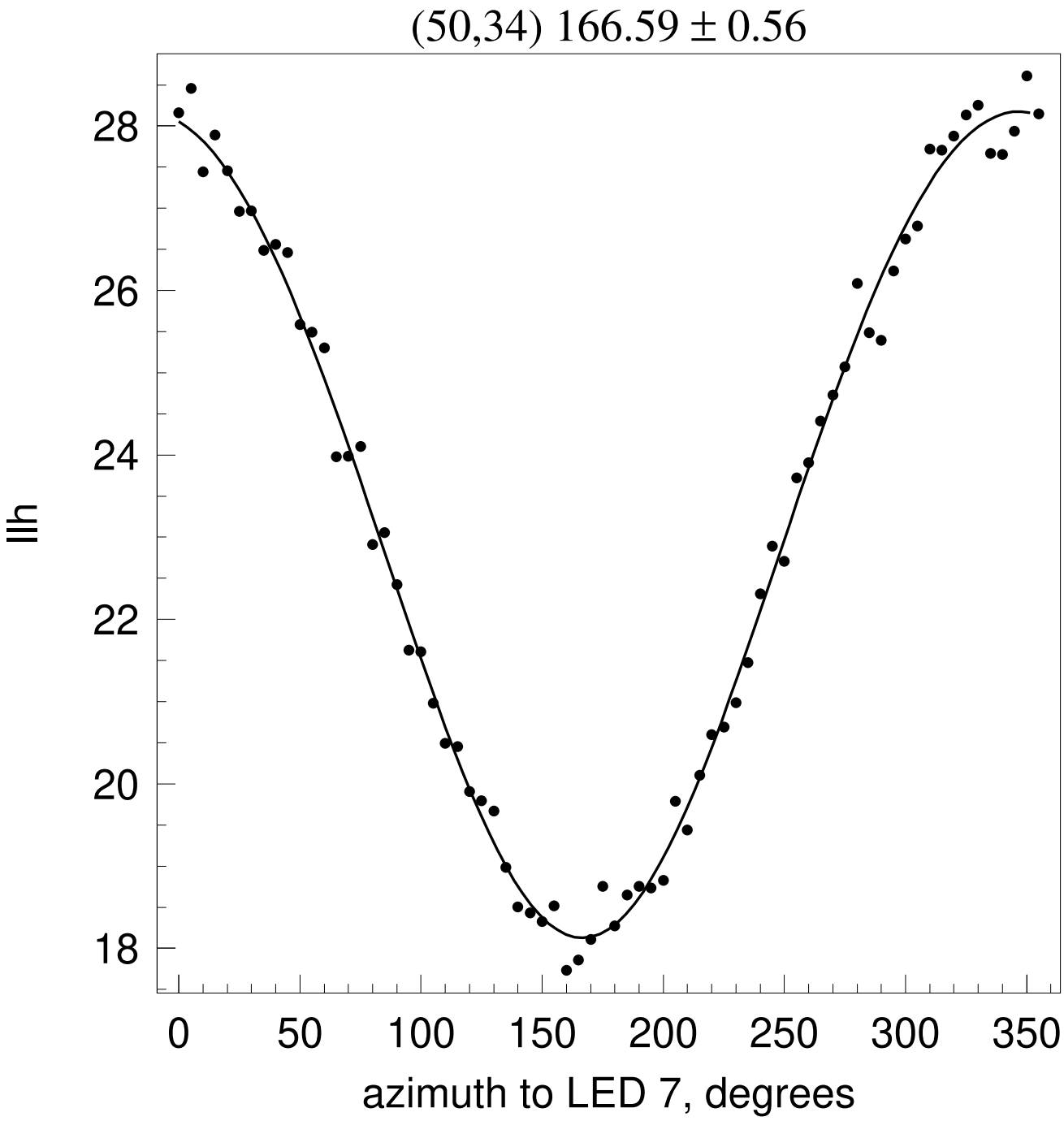

(49,34) 87.31 ± 0.51
29
28
27
26
25
24
23
22
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

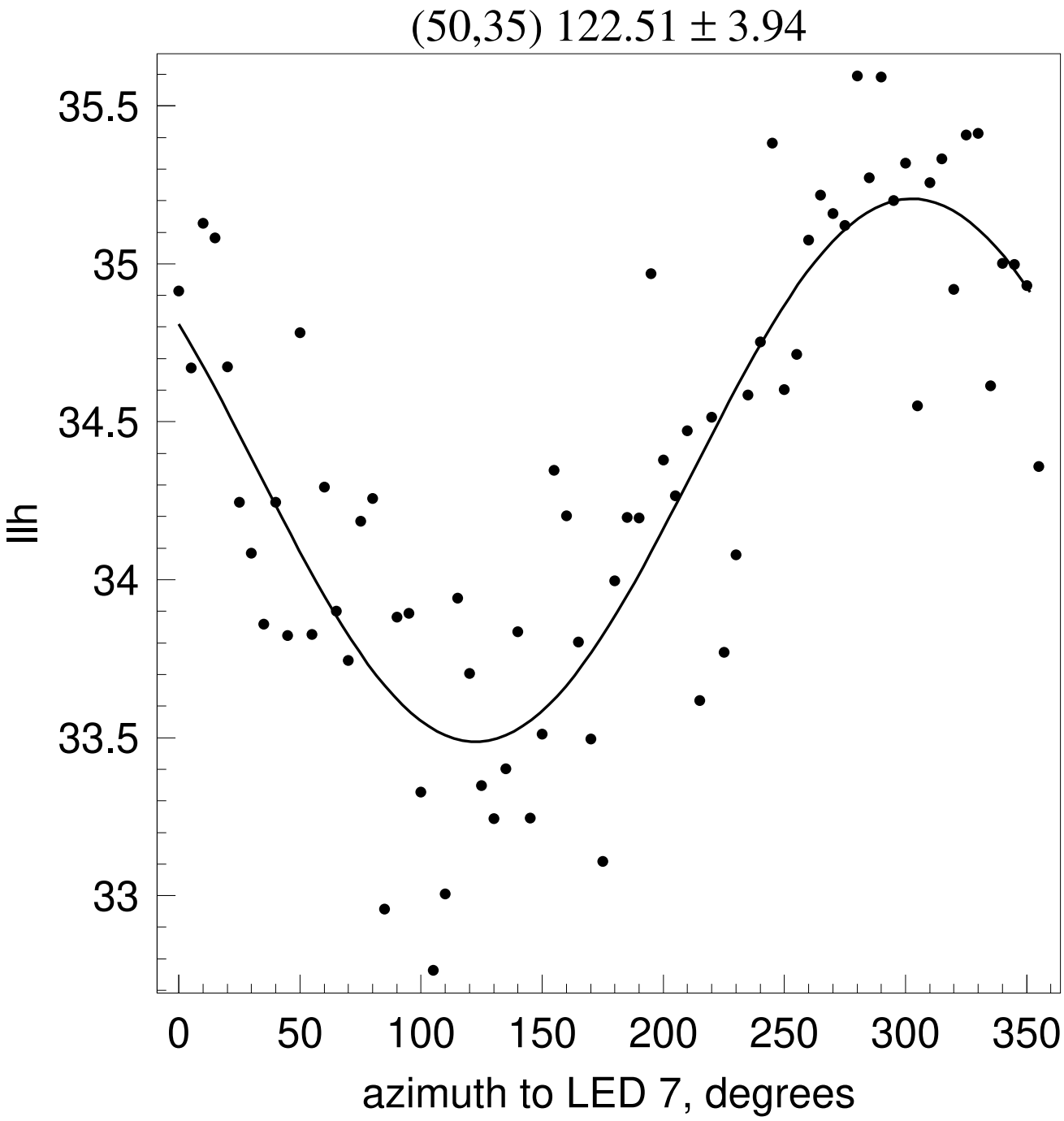

(49,35) 66.13 ± 0.88
41
40
39
38
37
36
35
34
33
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

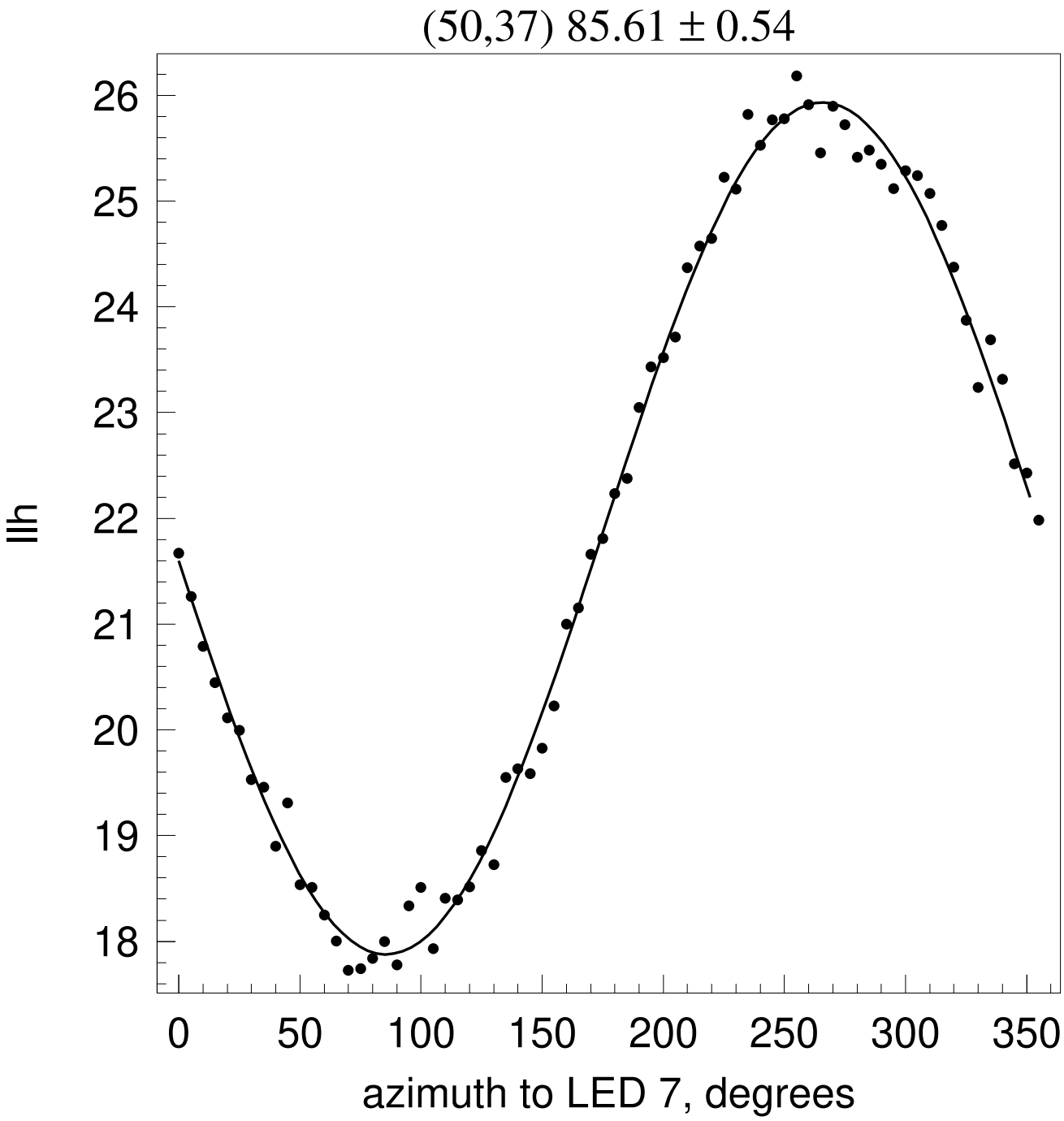

(49,36) 322.84 ± 0.00
44.5
44
43.5
43
42.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

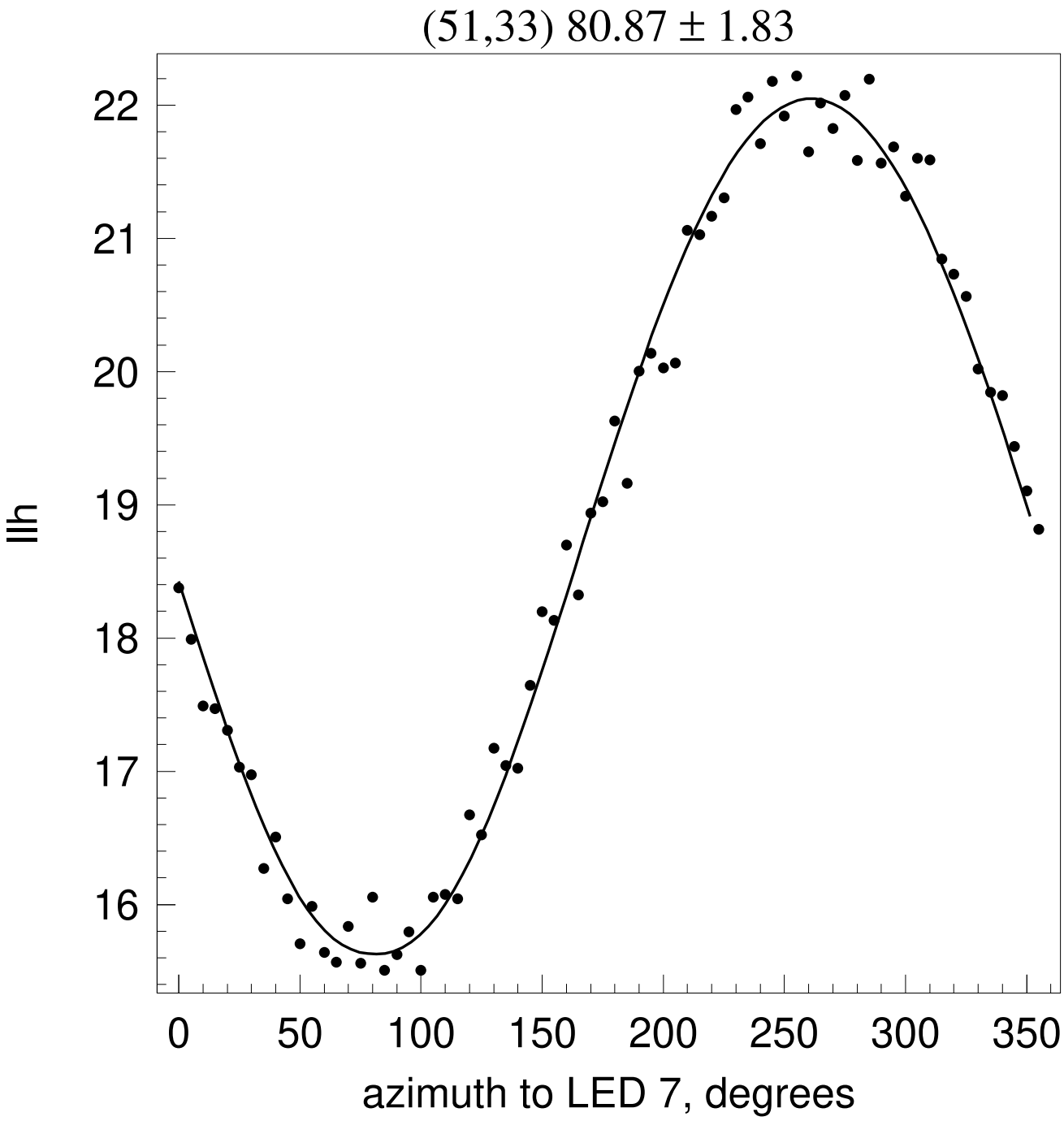

(49,37) 219.51 ± 2.99
29
28.5
28
27.5
27
26.5
26
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

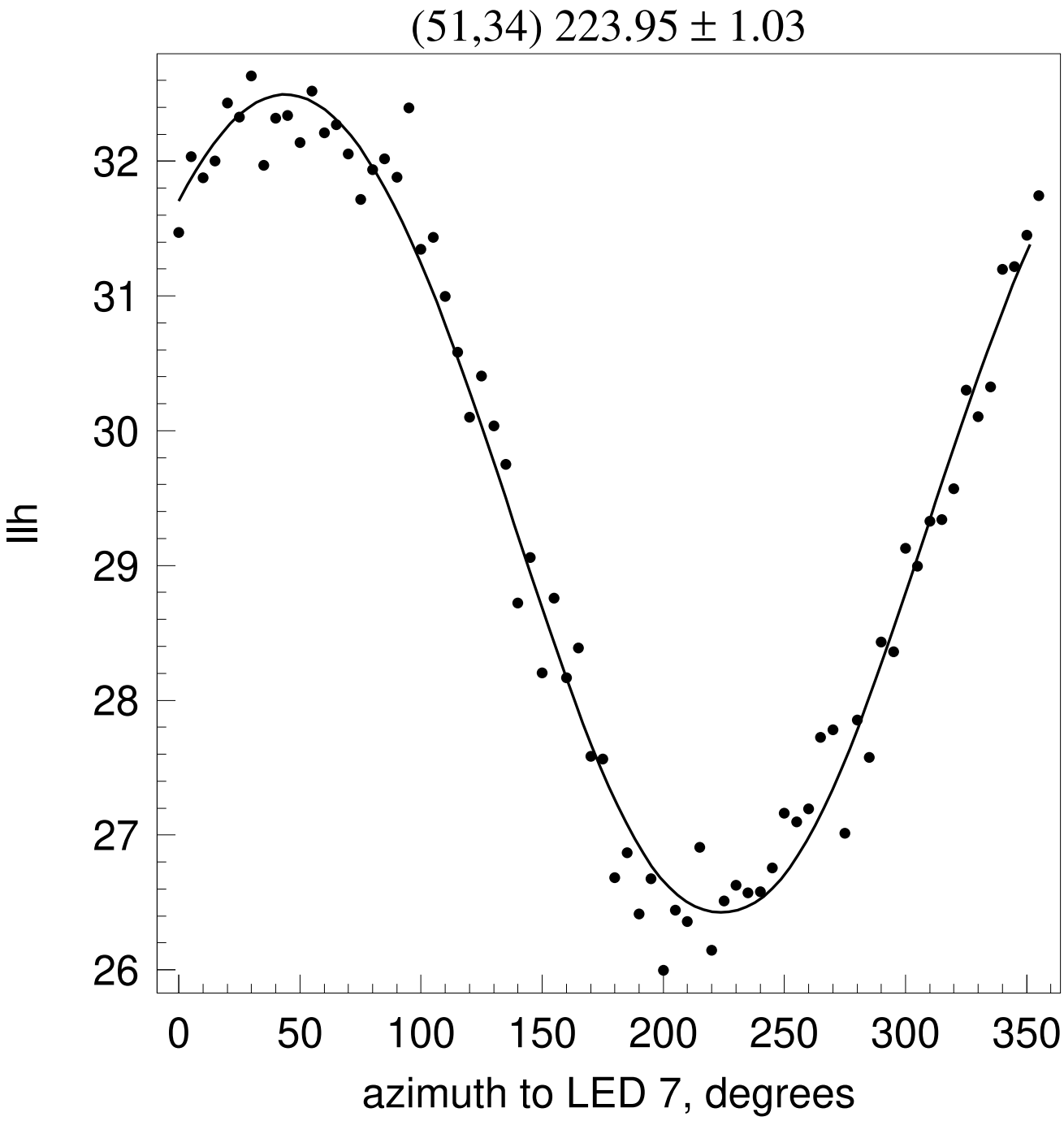

(50,33) 176.00 ± 0.24
36
34
32
30
28
26
24
22
20
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

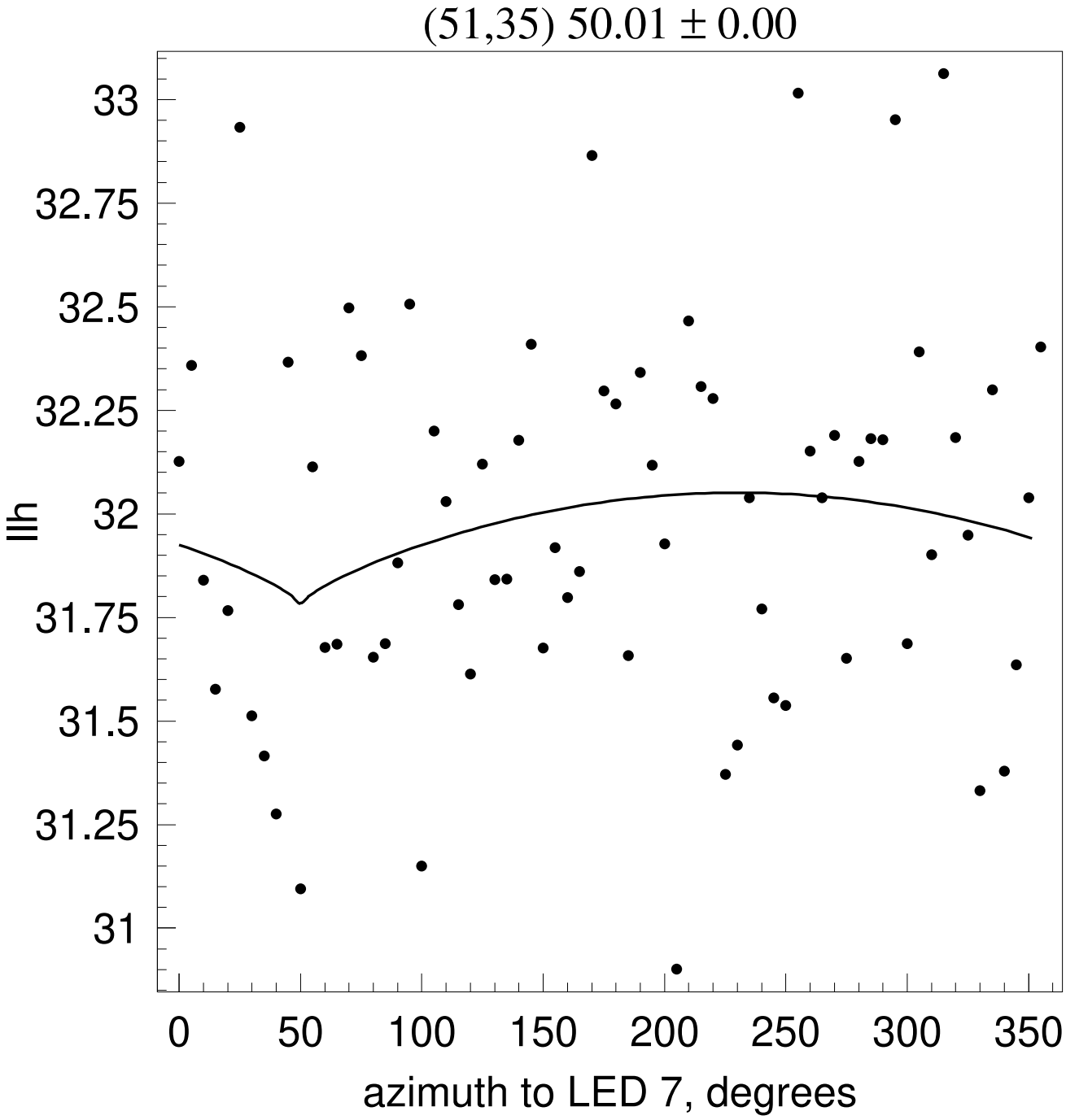

(50,34) 166.59 ± 0.56
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

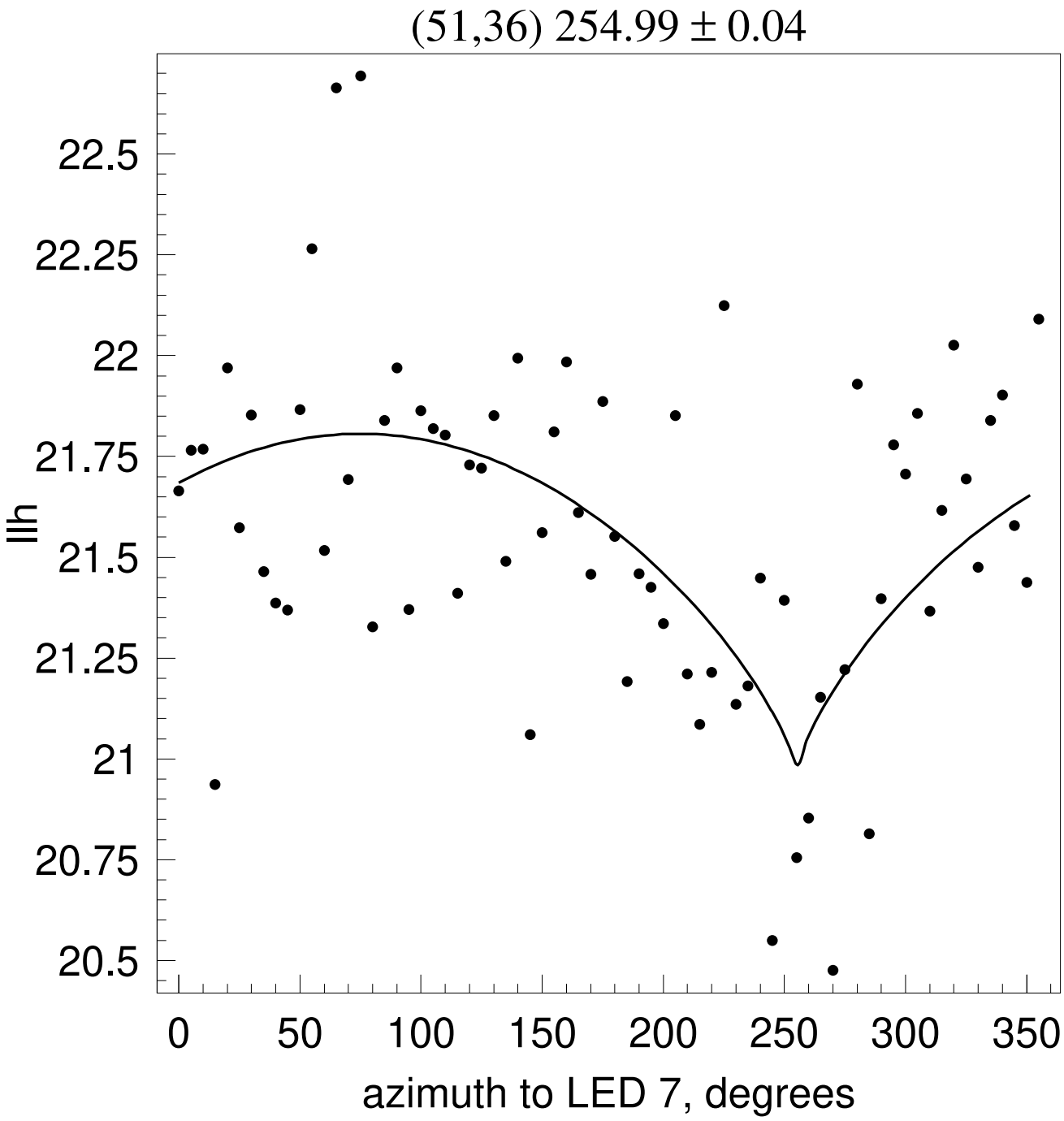

(50,35) 122.51 ± 3.94
35.5
35
34.5
34
33.5
33
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

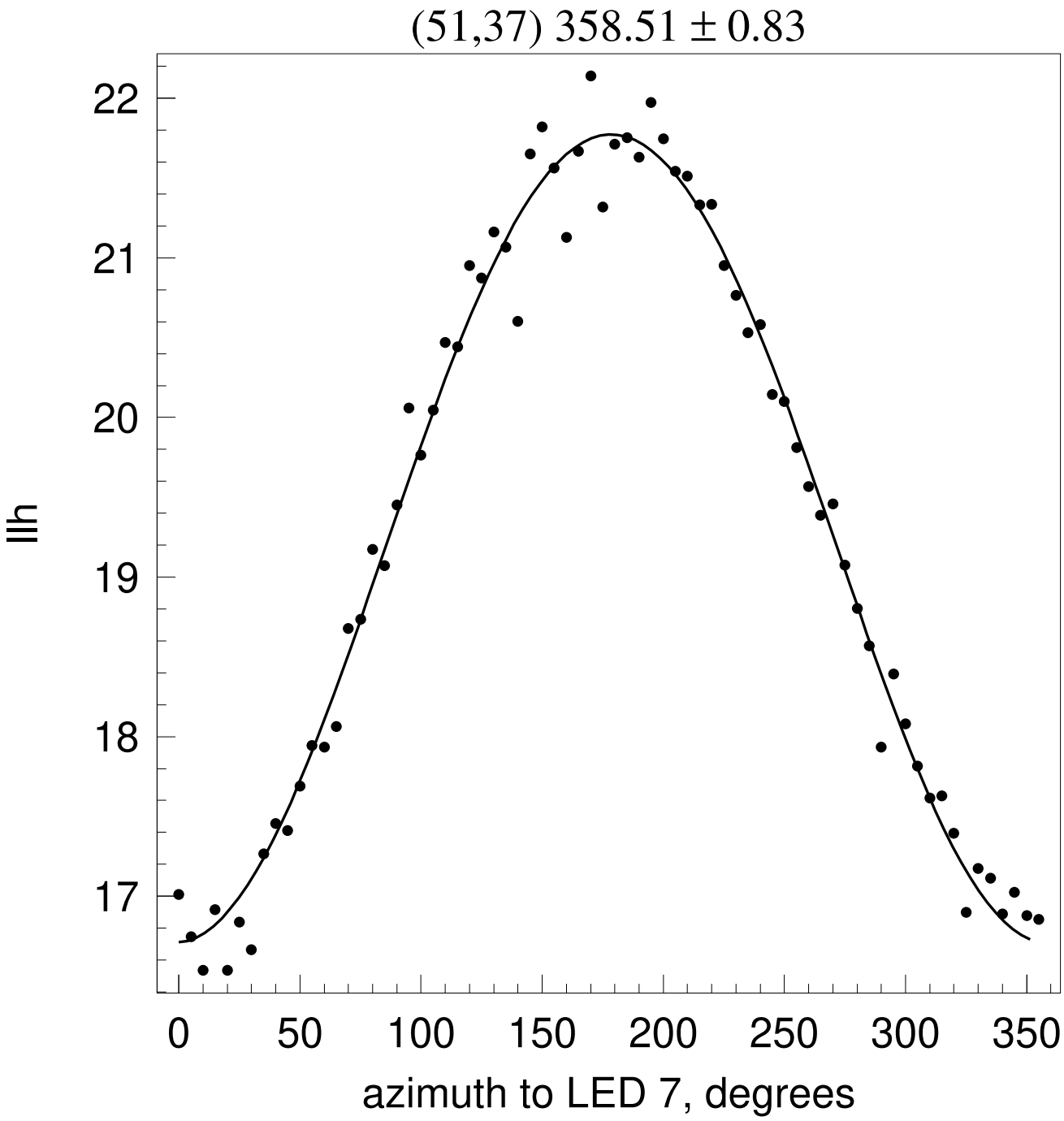

(50,37) 85.61 ± 0.54
26
25
24
23
22
21
20
19
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

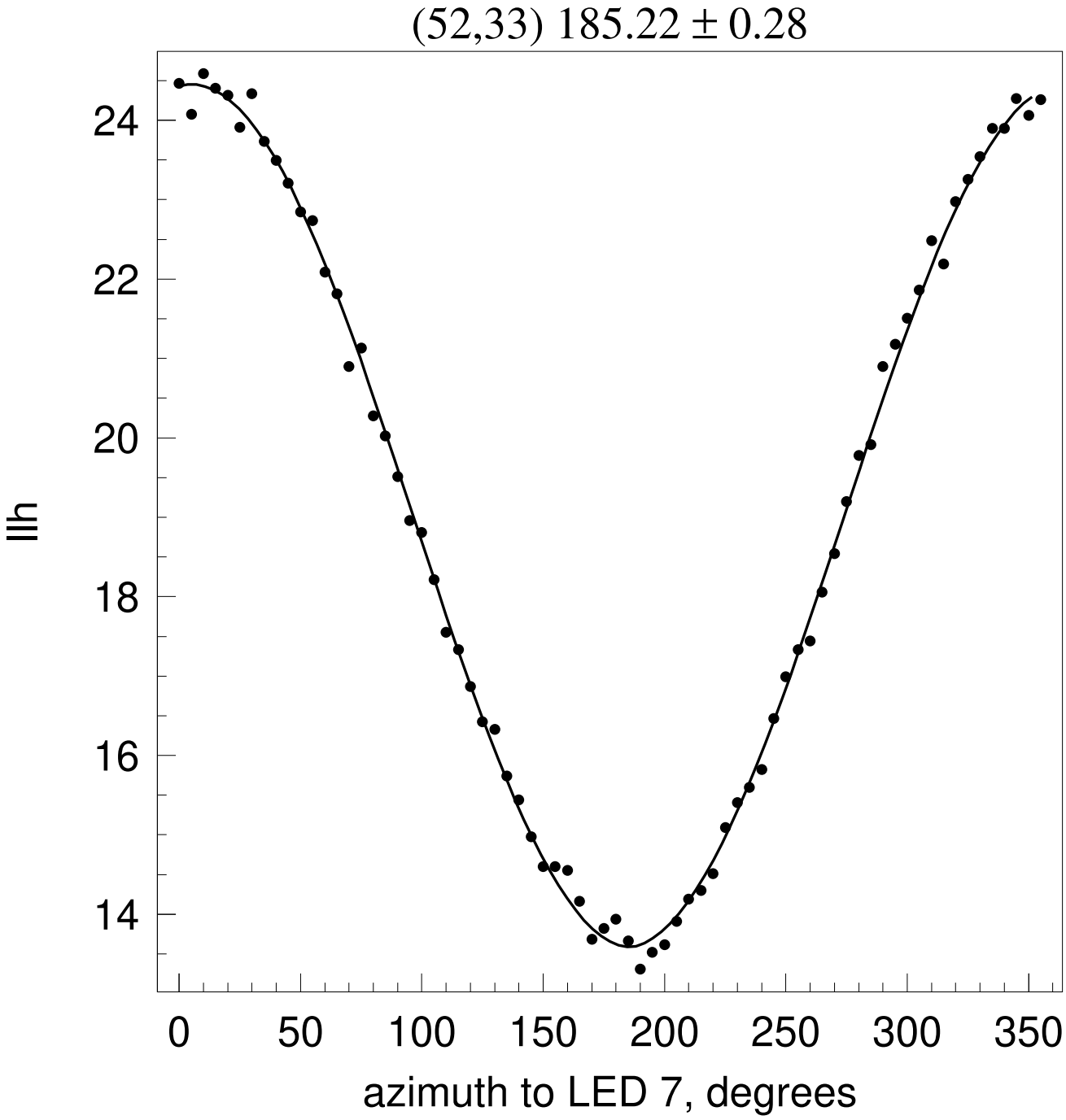

(51,33) 80.87 ± 1.83
22
21
20
19
18
17
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

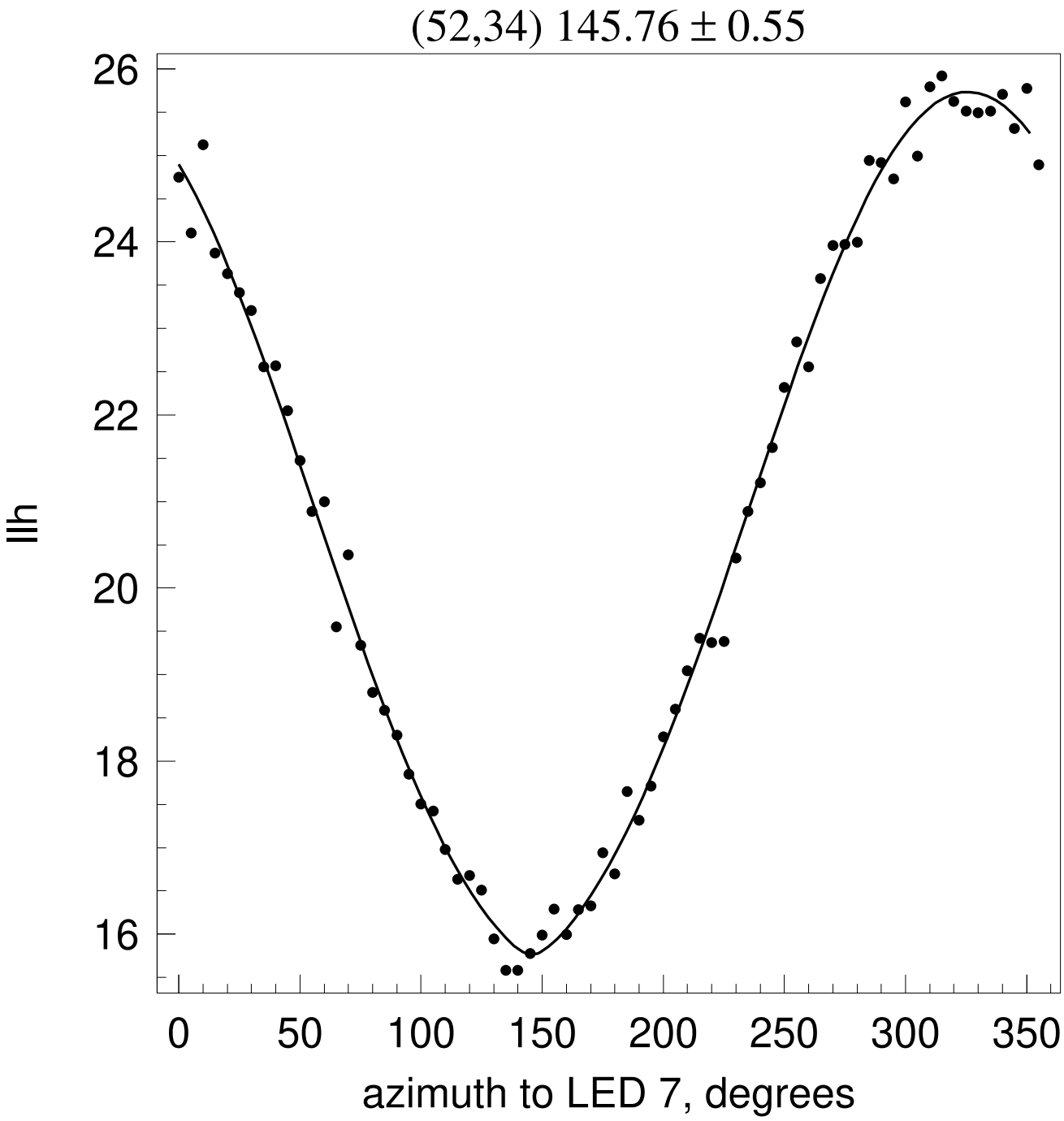

(51,34) 223.95 ± 1.03
32
31
30
29
28
27
26
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

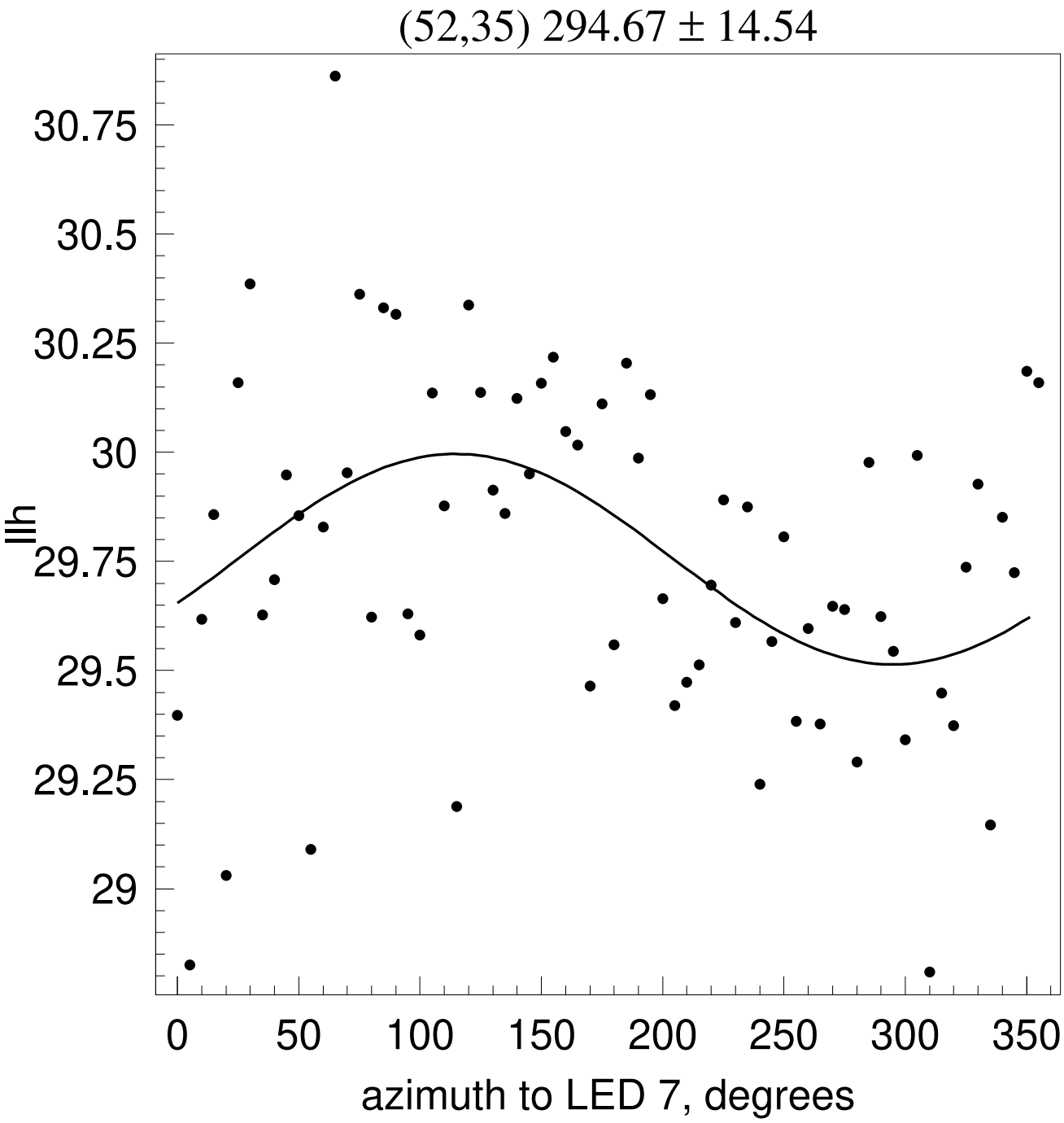

(51,35) 50.01 ± 0.00
33
32.75
32.5
32.25
32
31.75
31.5
31.25
31
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

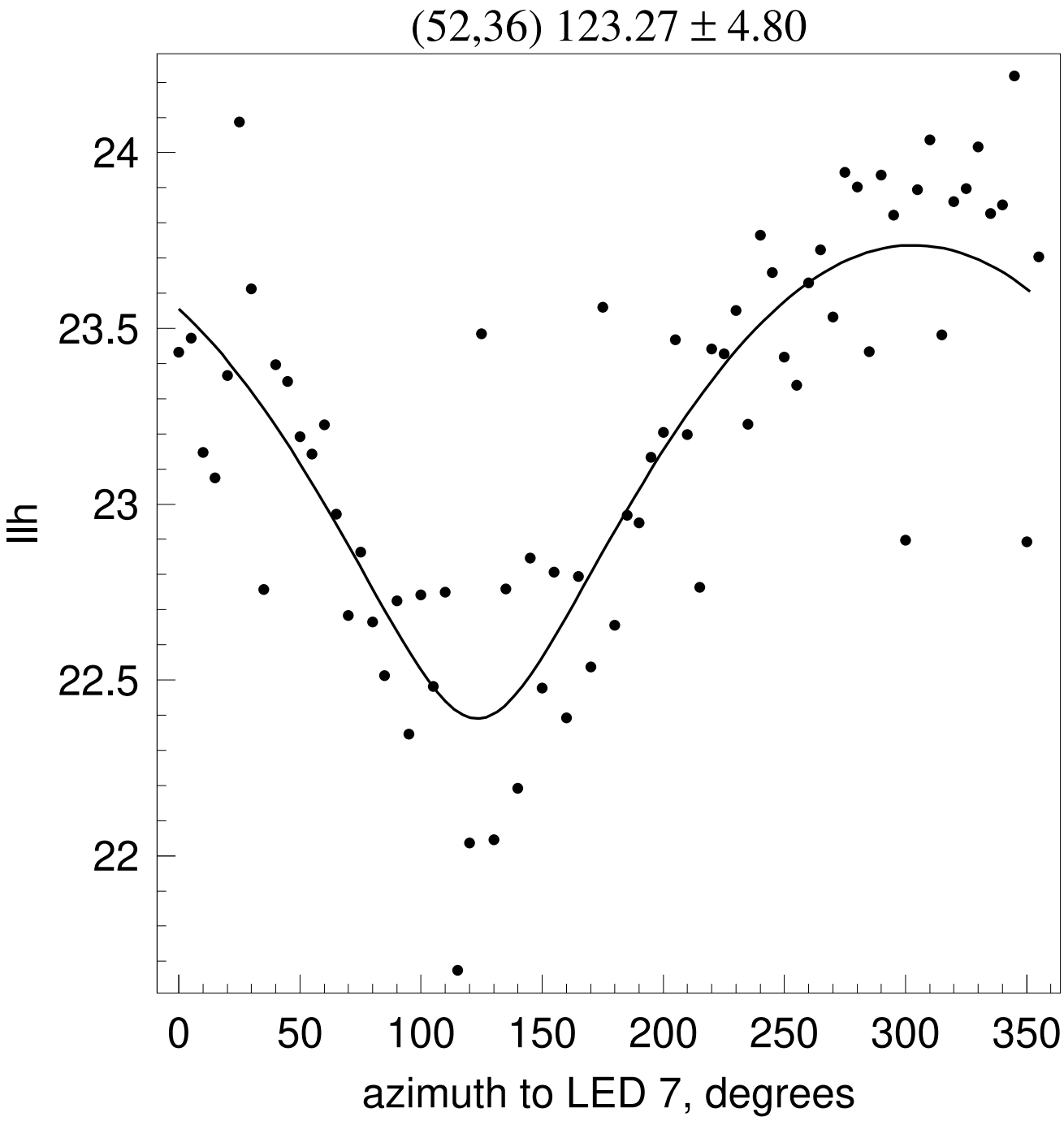

(51,36) 254.99 ± 0.04
22.5
22.25
22
21.75
21.5
21.25
21
20.75
20.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

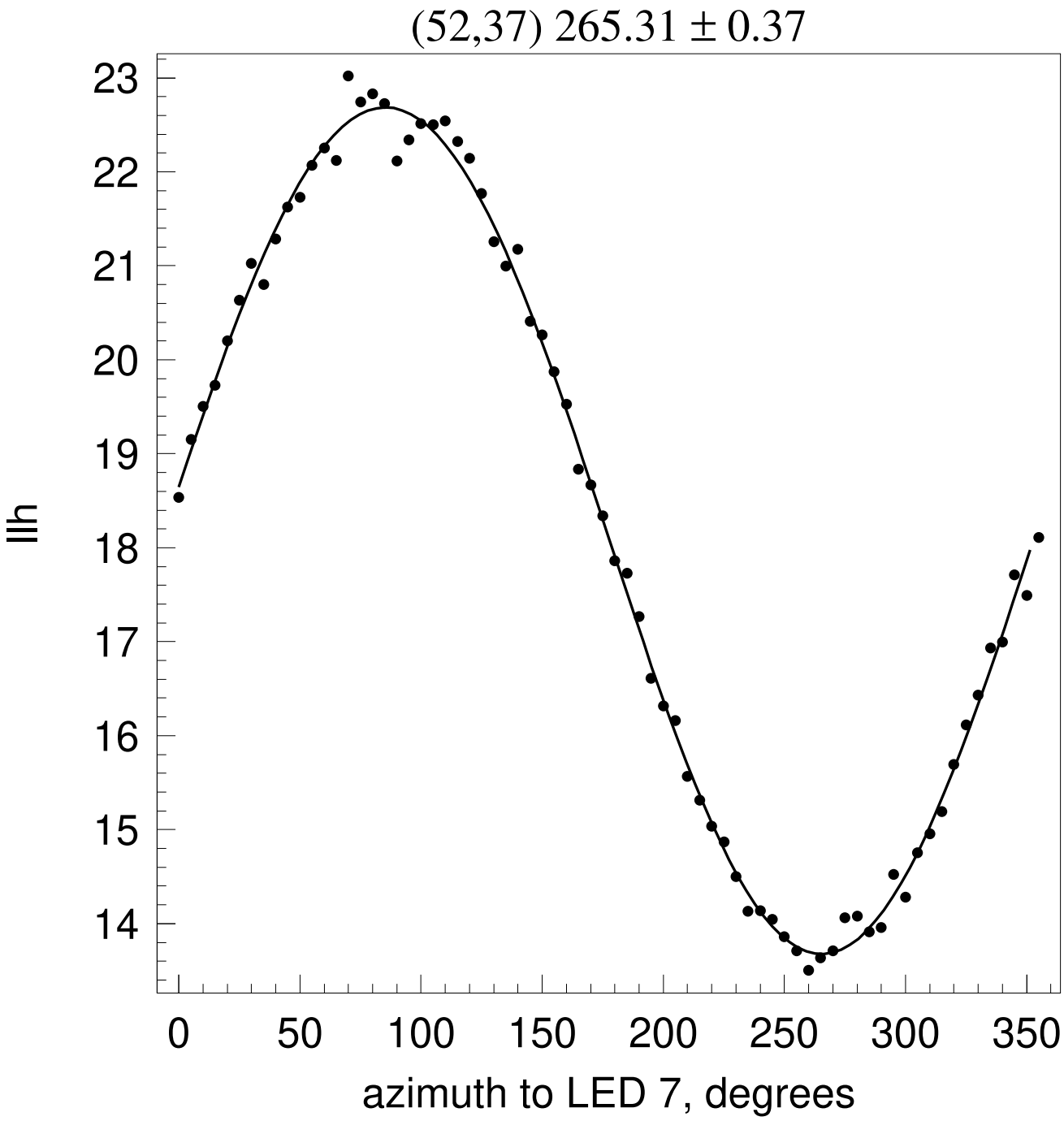

(51,37) 358.51 ± 0.83
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

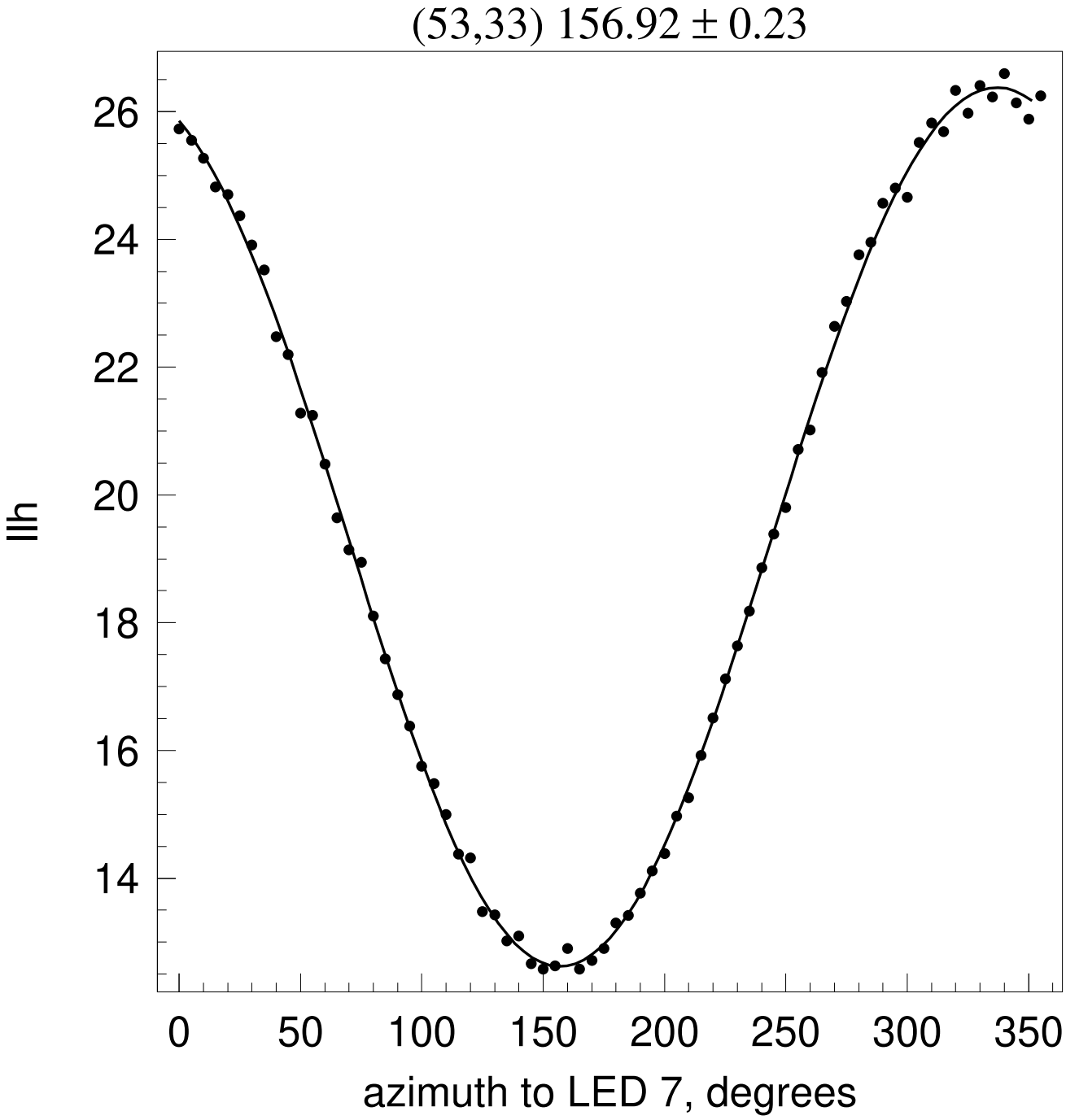

(52,33) 185.22 ± 0.28
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

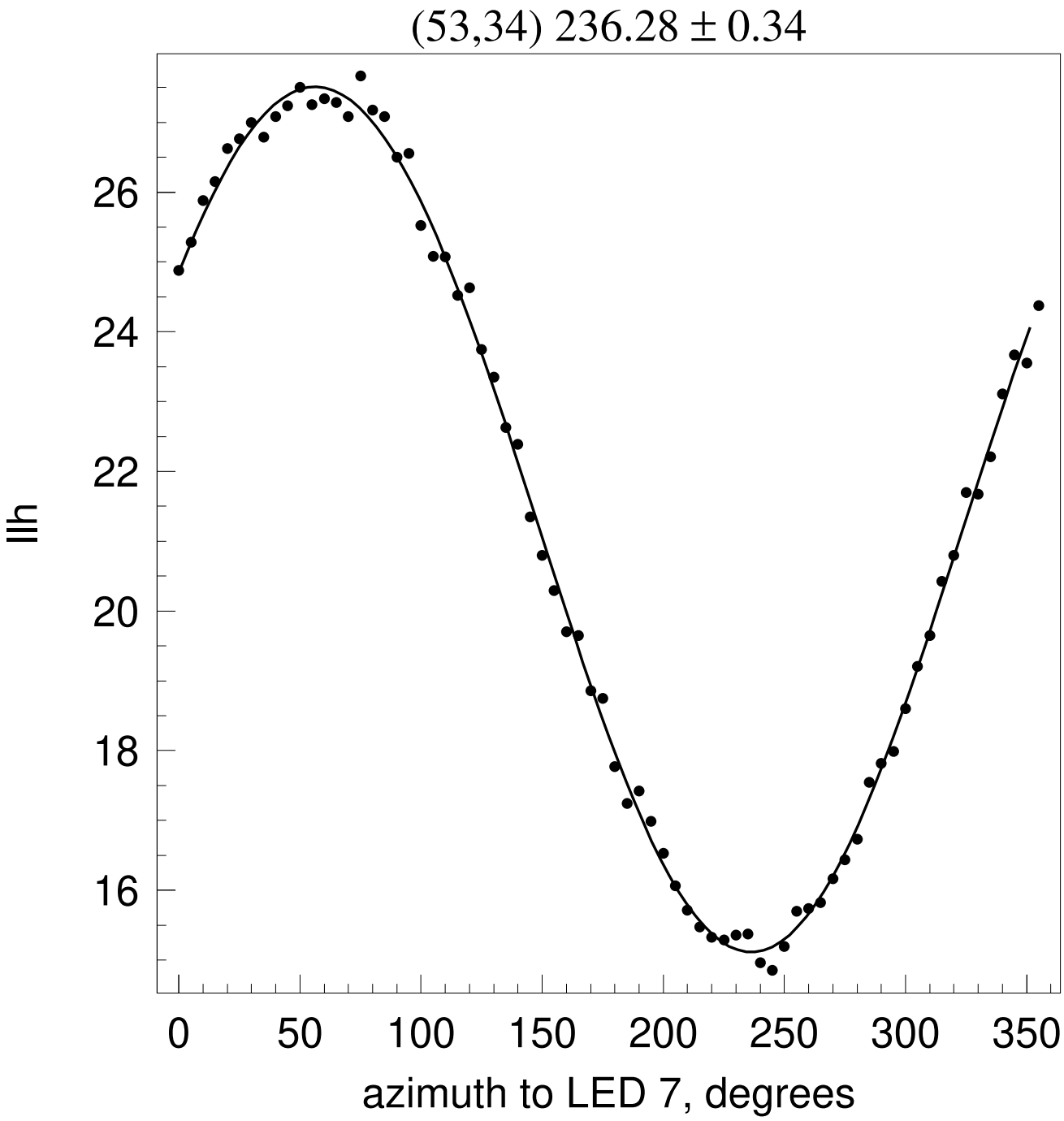

(52,34) 145.76 ± 0.55
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

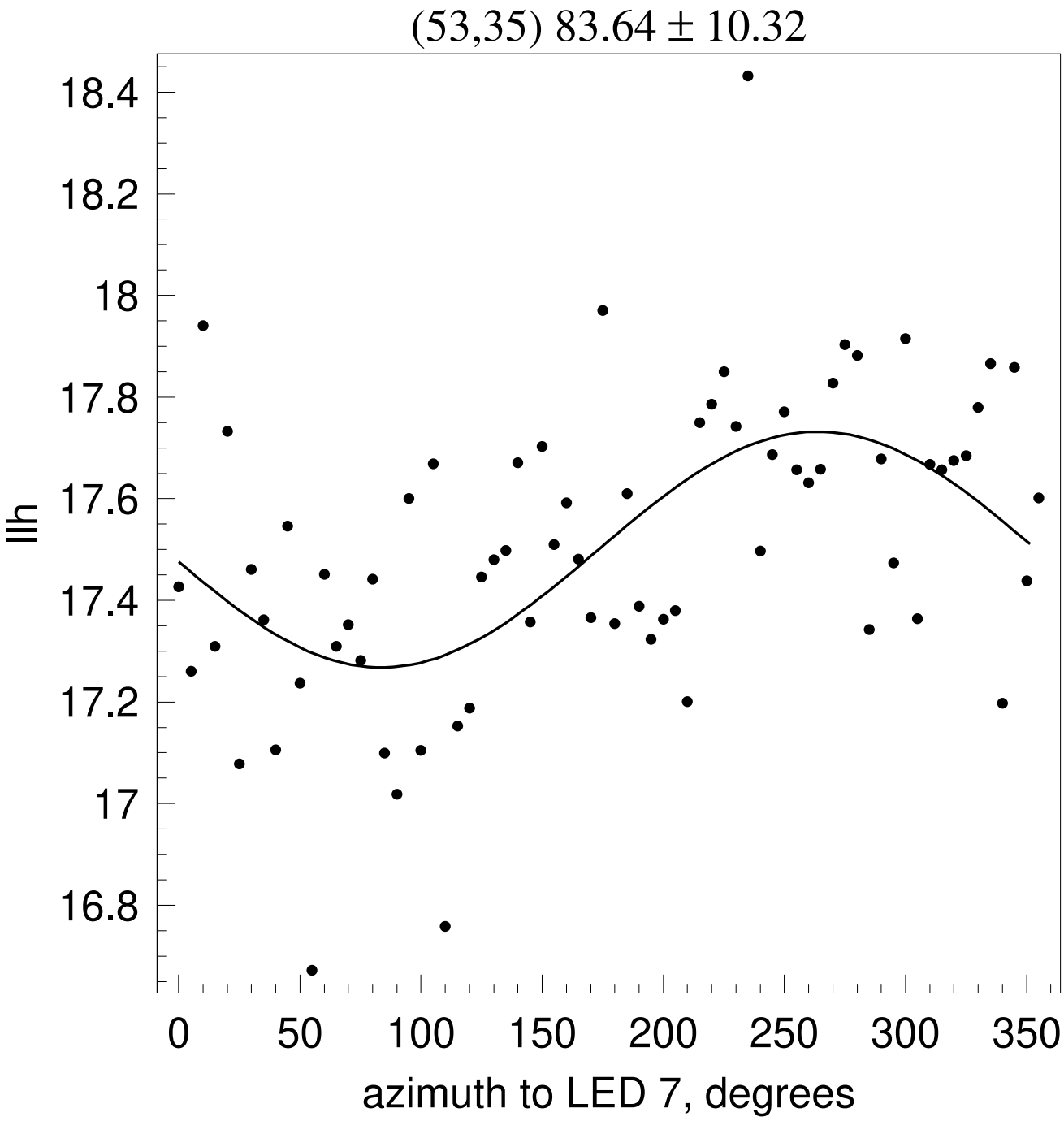

(52,35) 294.67 ± 14.54
30.75
30.5
30.25
30
29.75
29.5
29.25
29
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

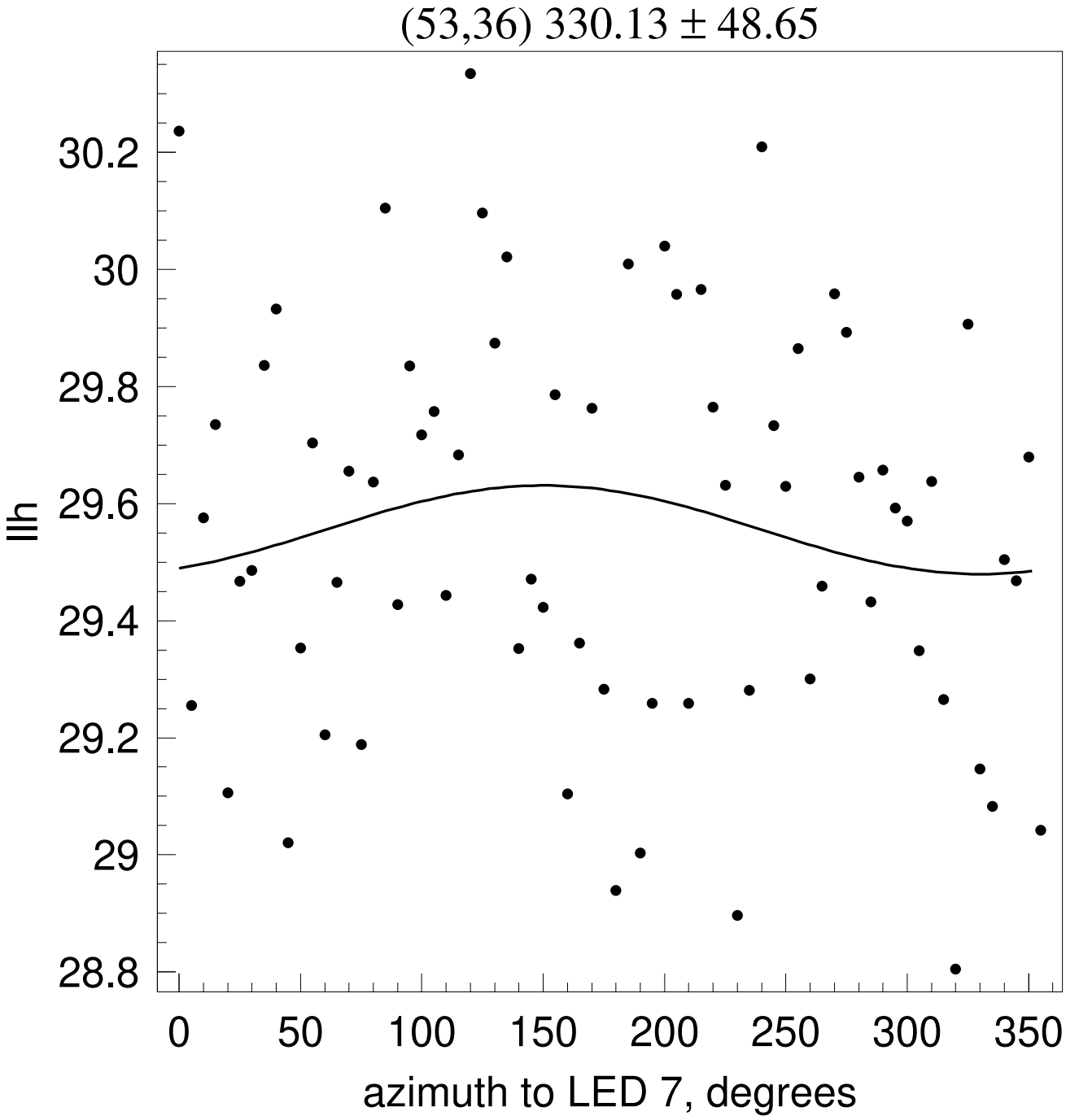

(52,36) 123.27 ± 4.80
24
23.5
23
22.5
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

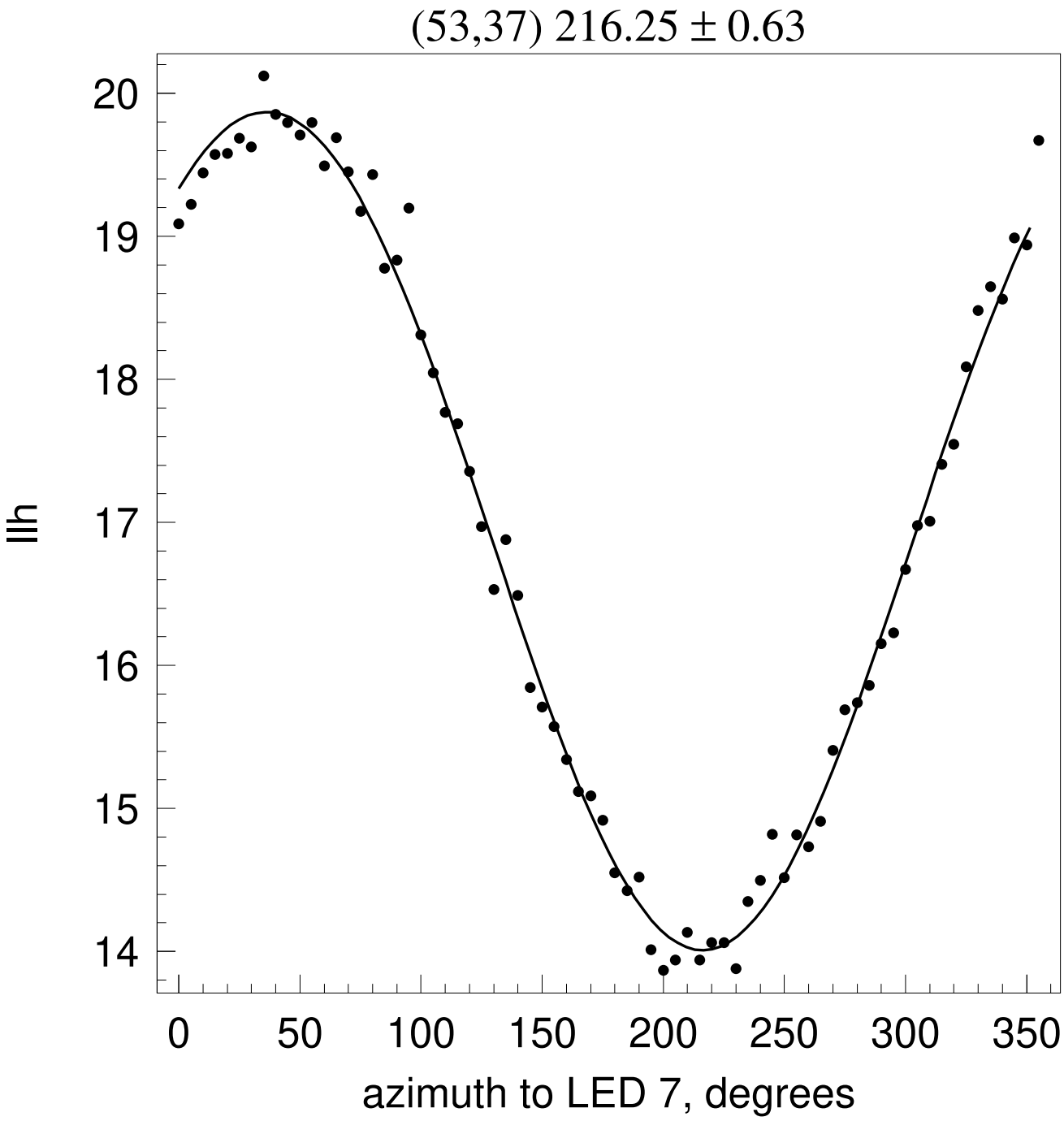

(52,37) 265.31 ± 0.37
23
22
21
20
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

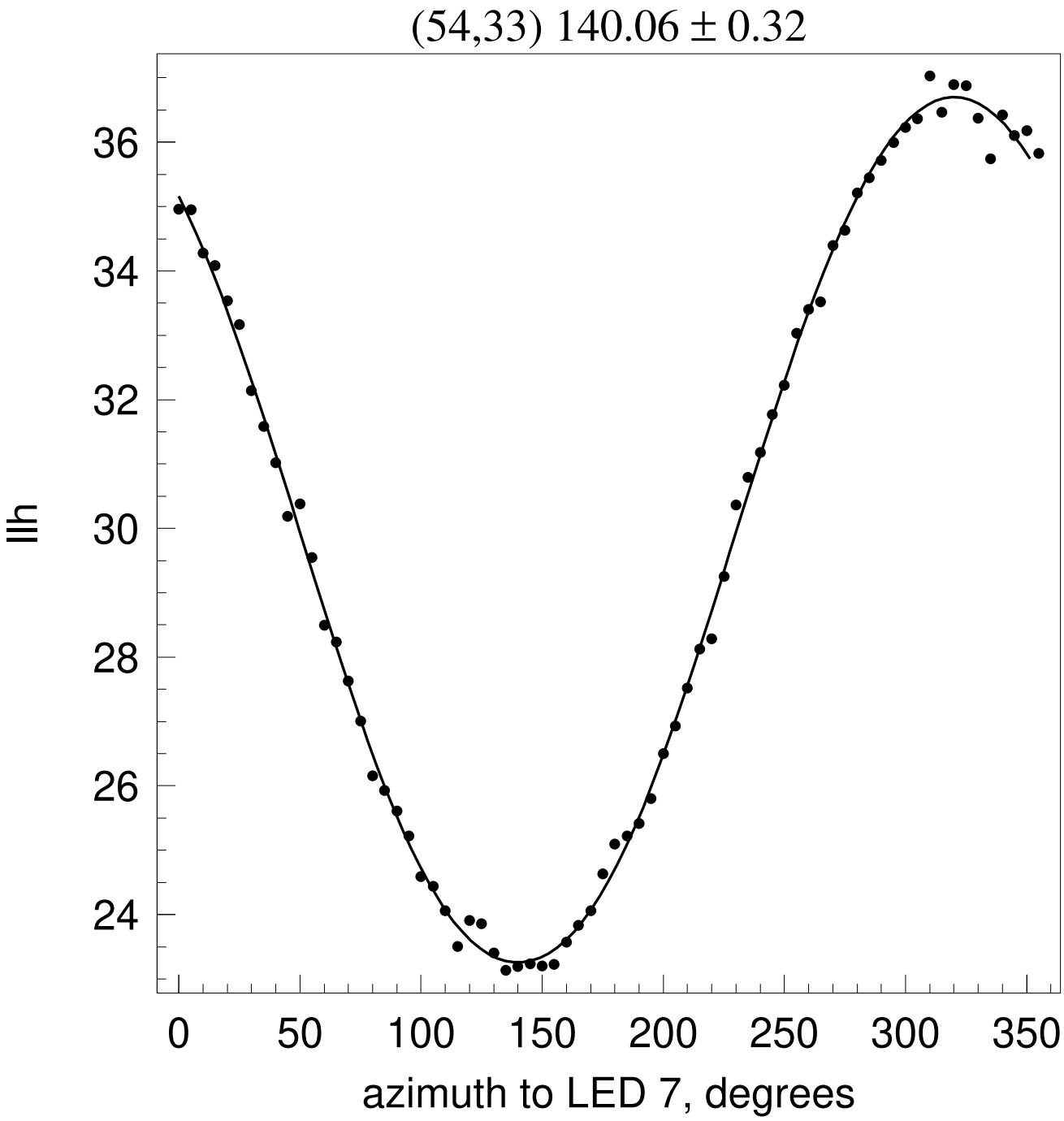

(53,33) 156.92 ± 0.23
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

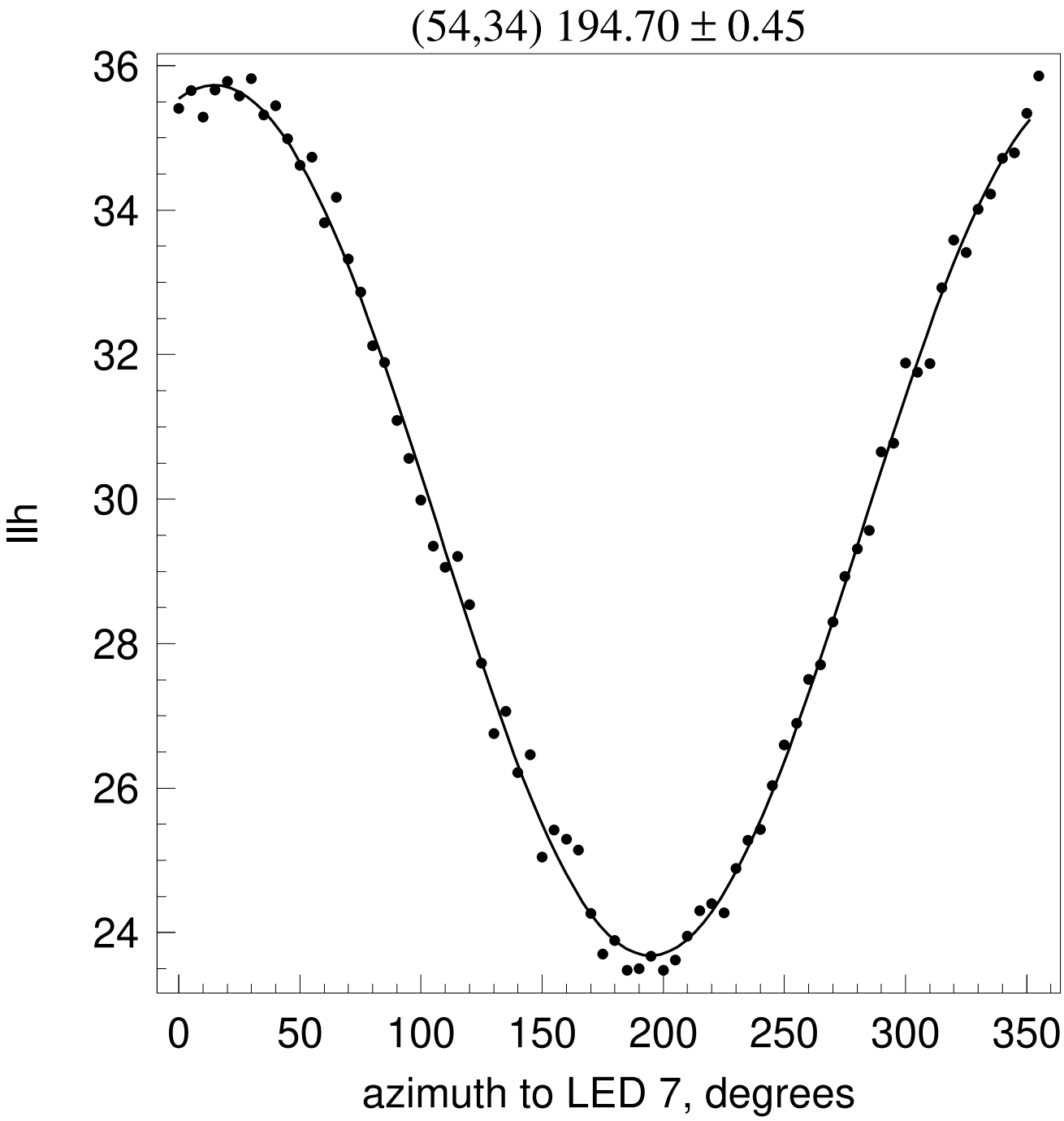

(53,34) 236.28 ± 0.34
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

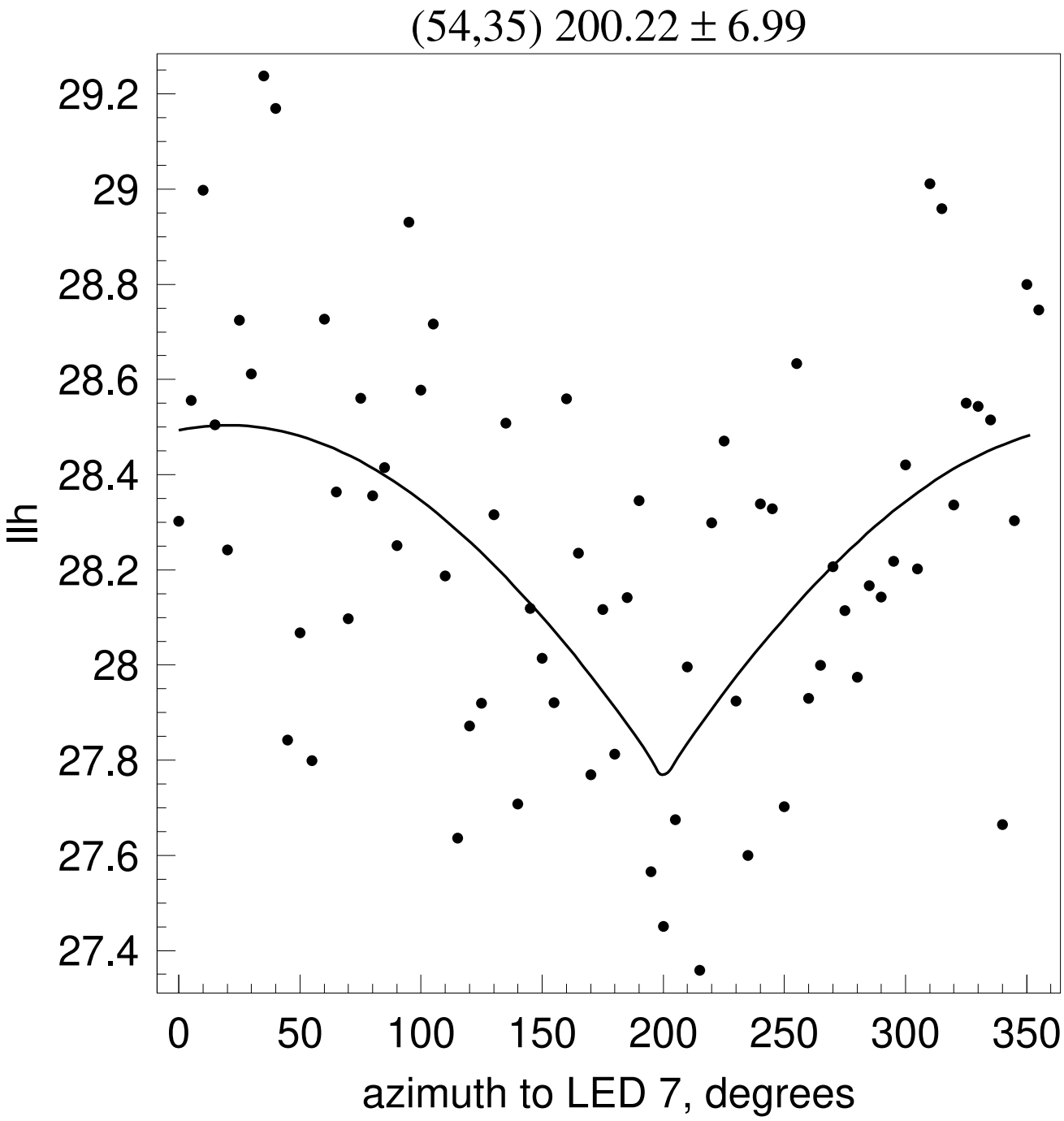

(53,35) 83.64 ± 10.32
18.4
18.2
18
17.8
17.6
17.4
17.2
17
16.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

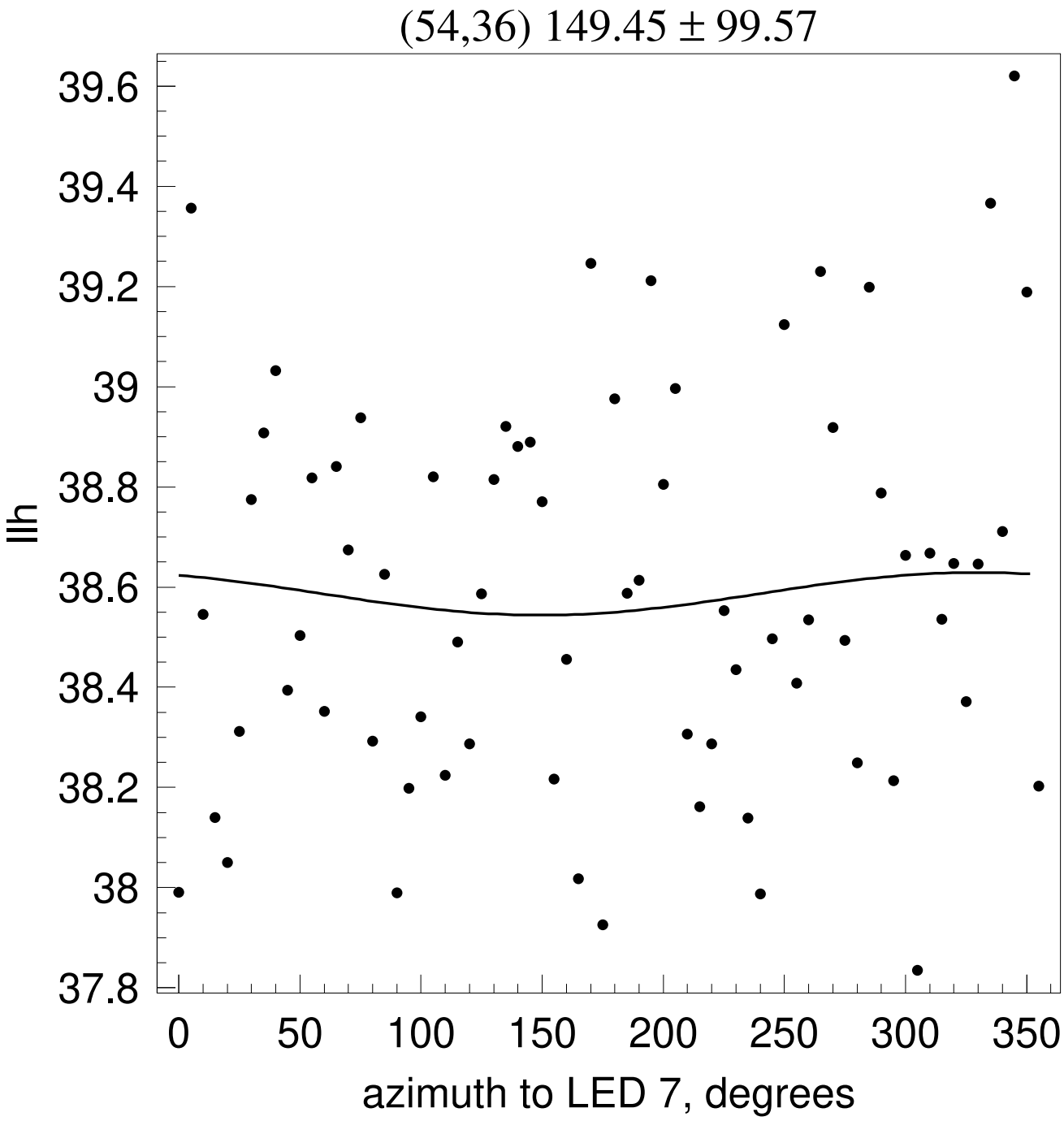

(53,36) 330.13 ± 48.65
30.2
30
29.8
29.6
29.4
29.2
29
28.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

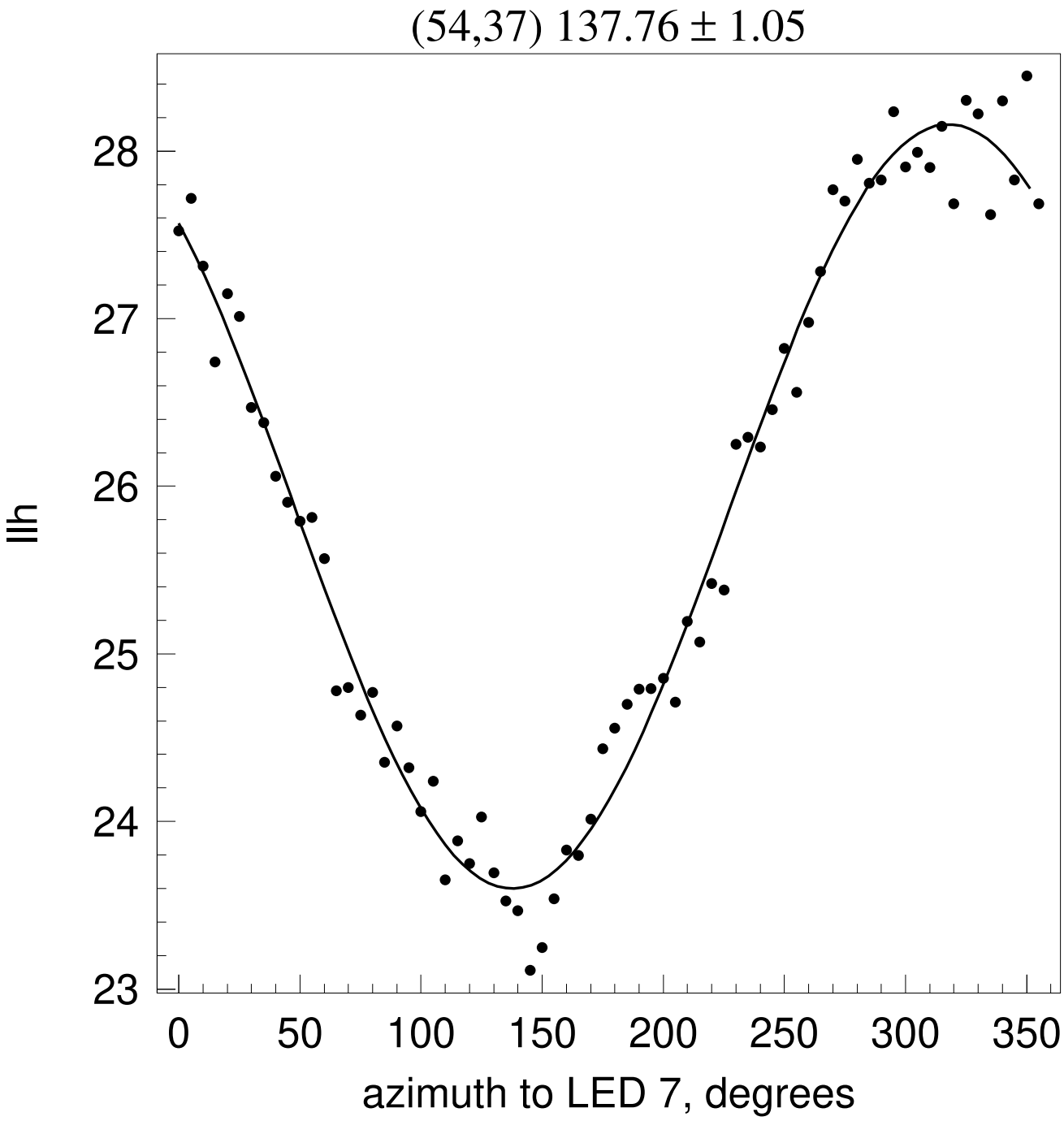

(53,37) 216.25 ± 0.63
20
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

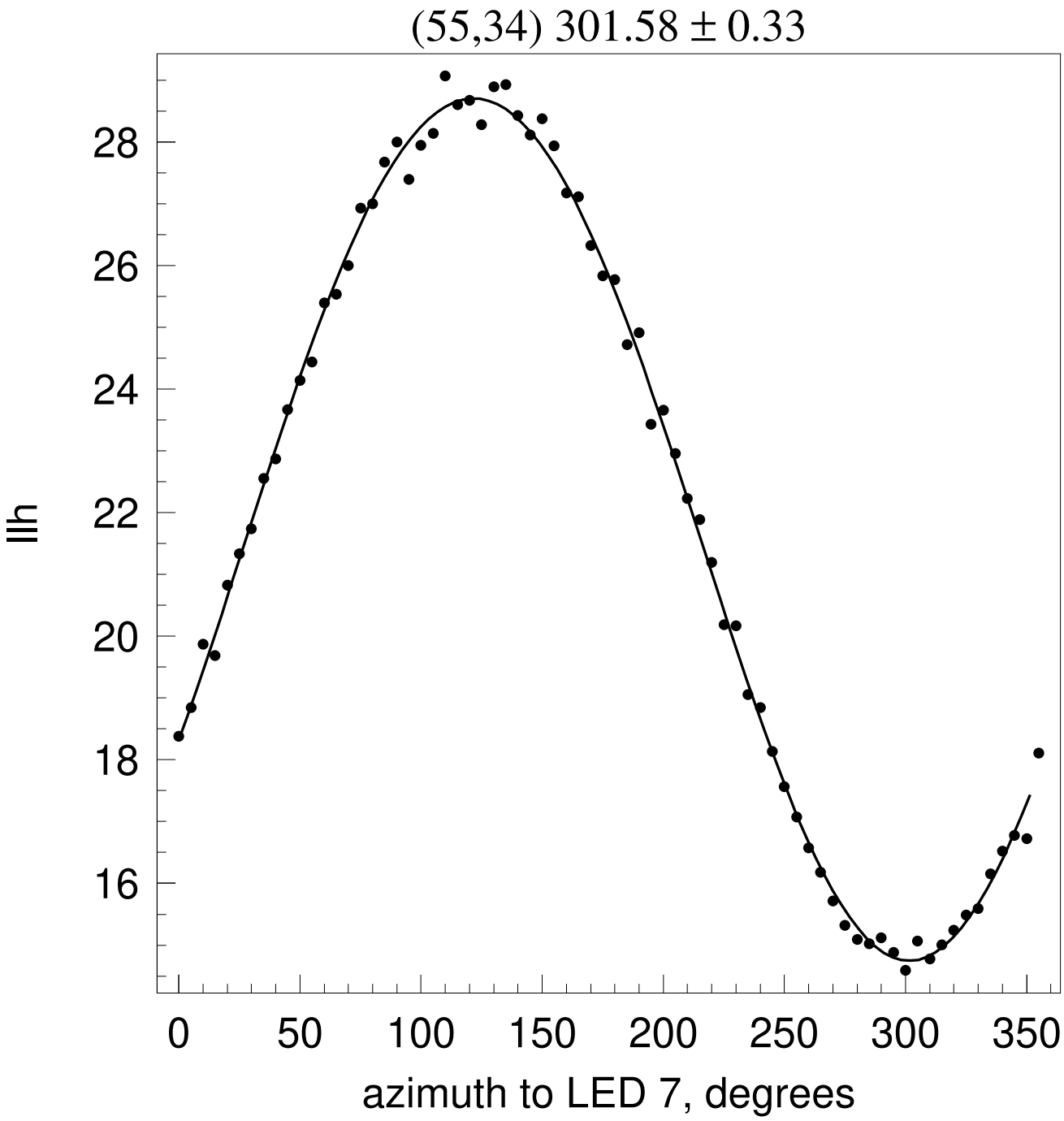

(54,33) 140.06 ± 0.32
36
34
32
30
28
26
24
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

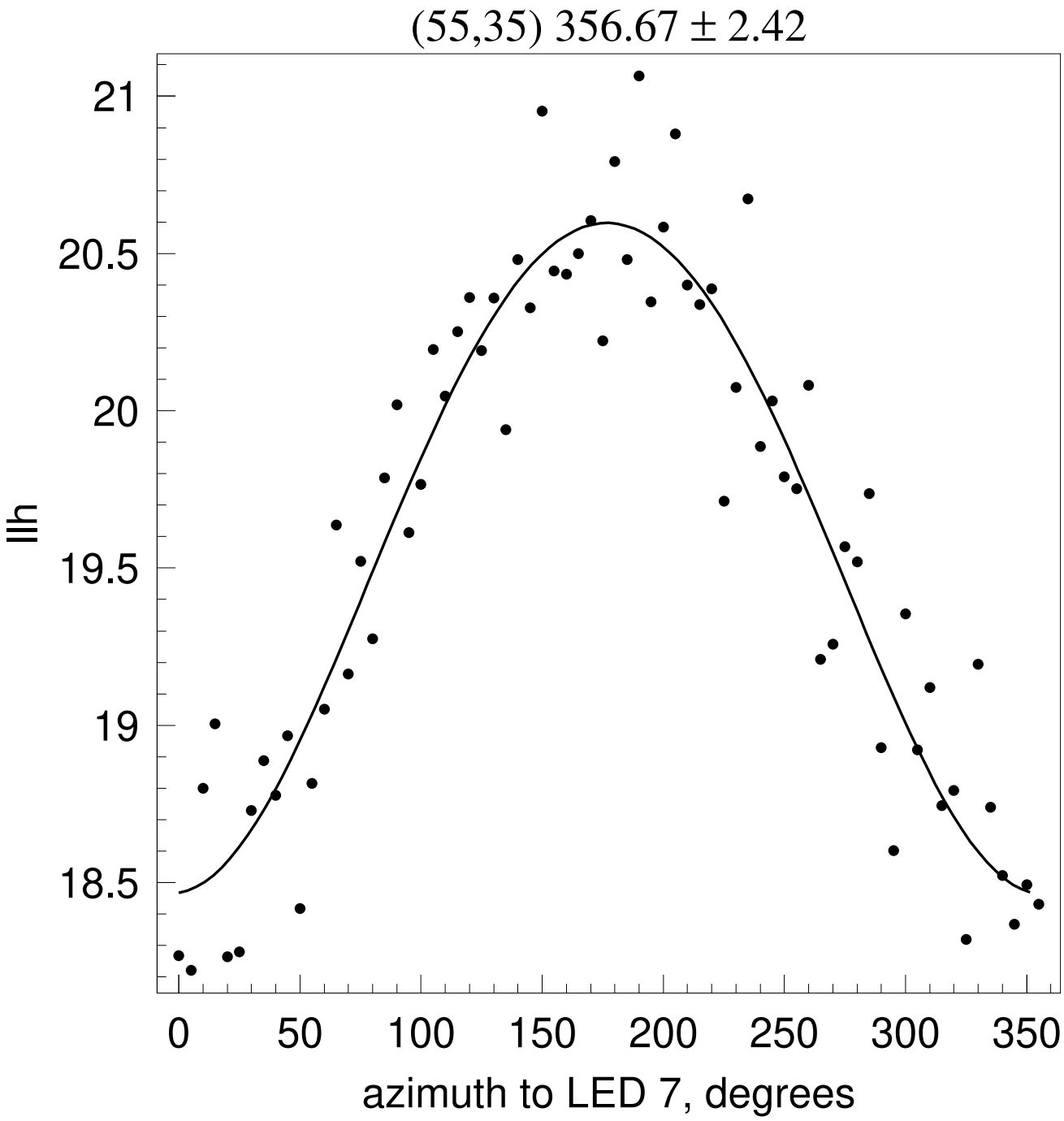

(54,34) 194.70 ± 0.45
36
34
32
30
28
26
24
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

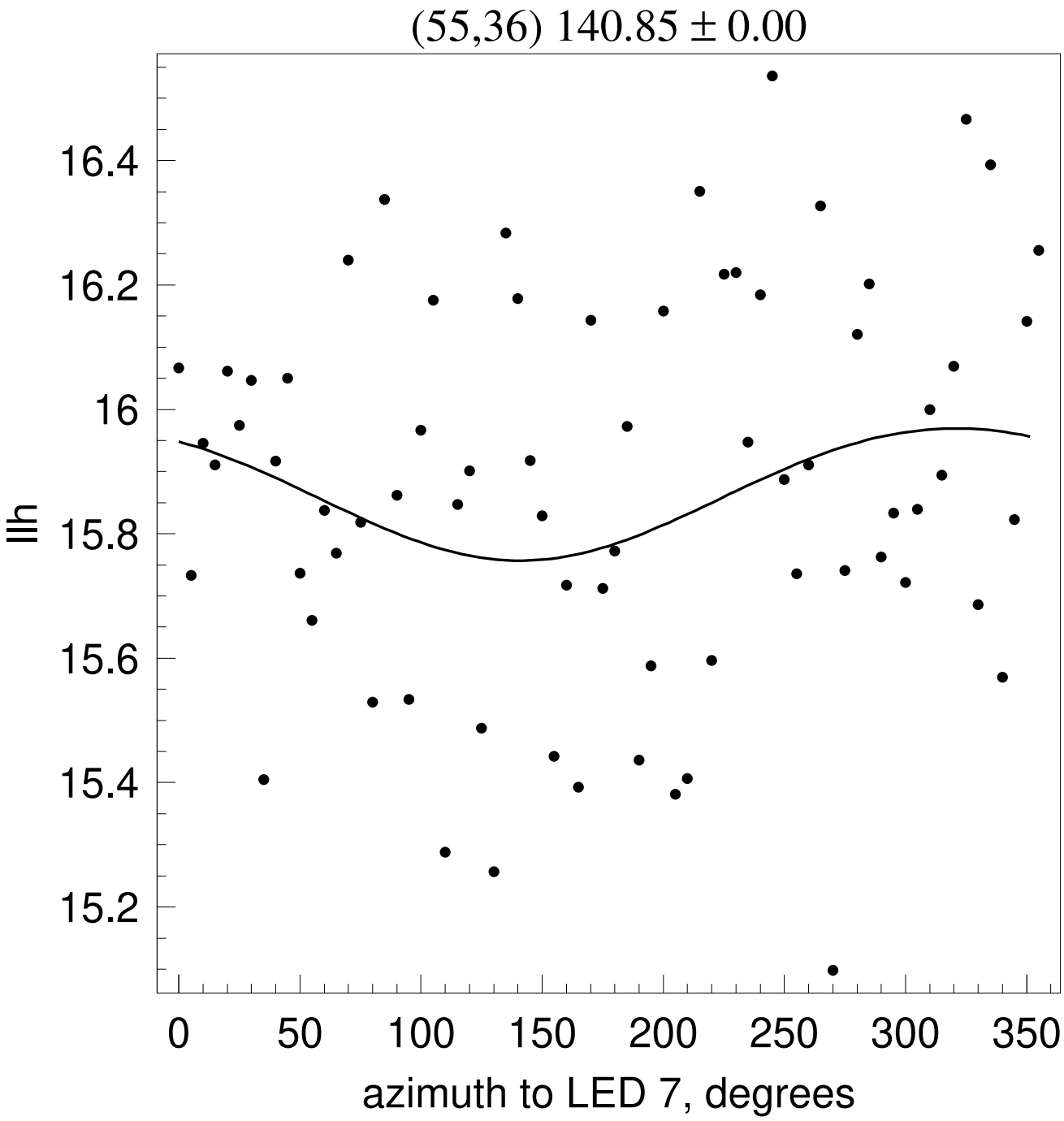

(54,35) 200.22 ± 6.99
29.2
29
28.8
28.6
28.4
28.2
28
27.8
27.6
27.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

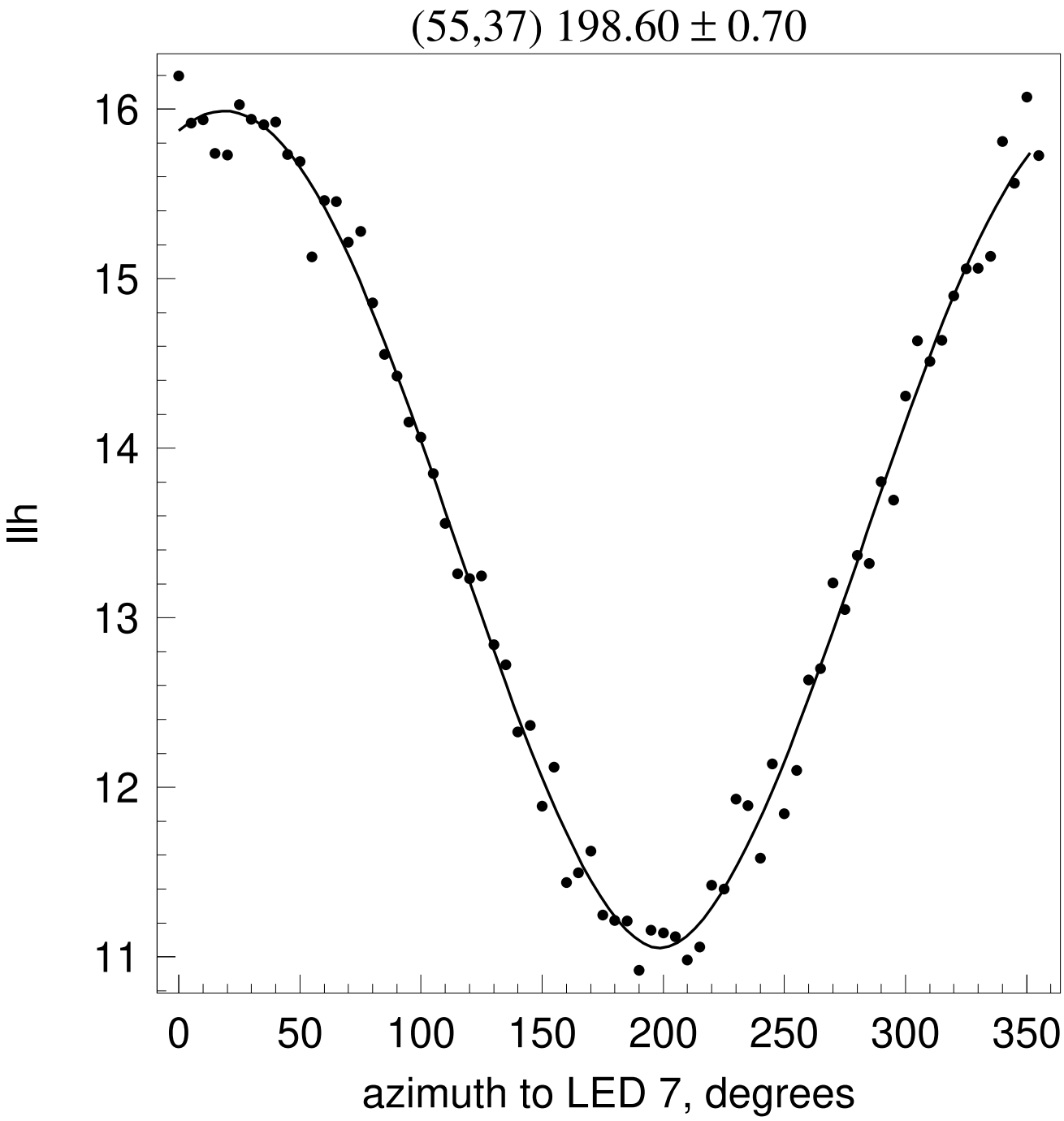

(54,36) 149.45 ± 99.57
39.6
39.4
39.2
39
38.8
38.6
38.4
38.2
38
37.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

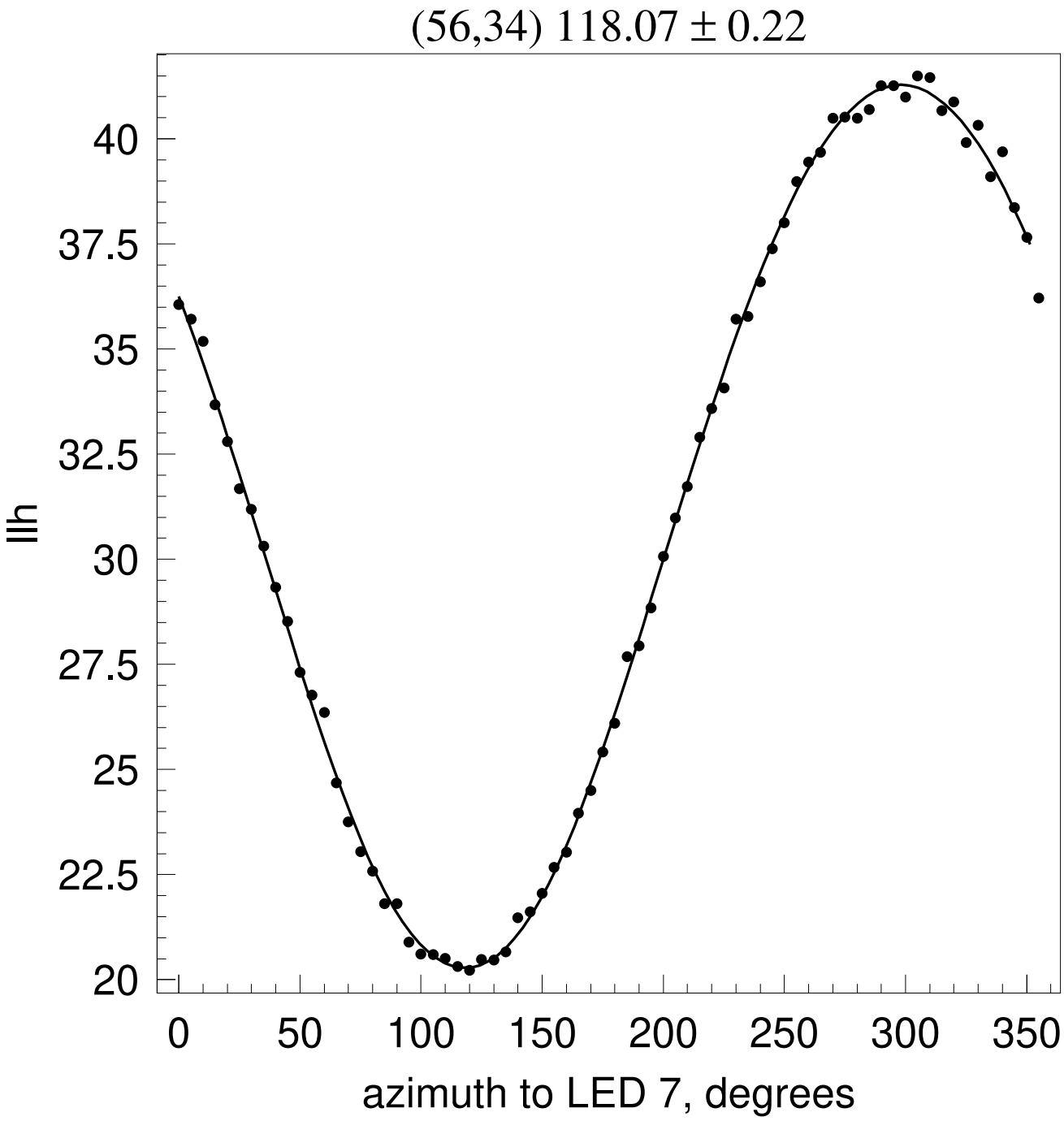

(54,37) 137.76 ± 1.05
28
27
26
25
24
23
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

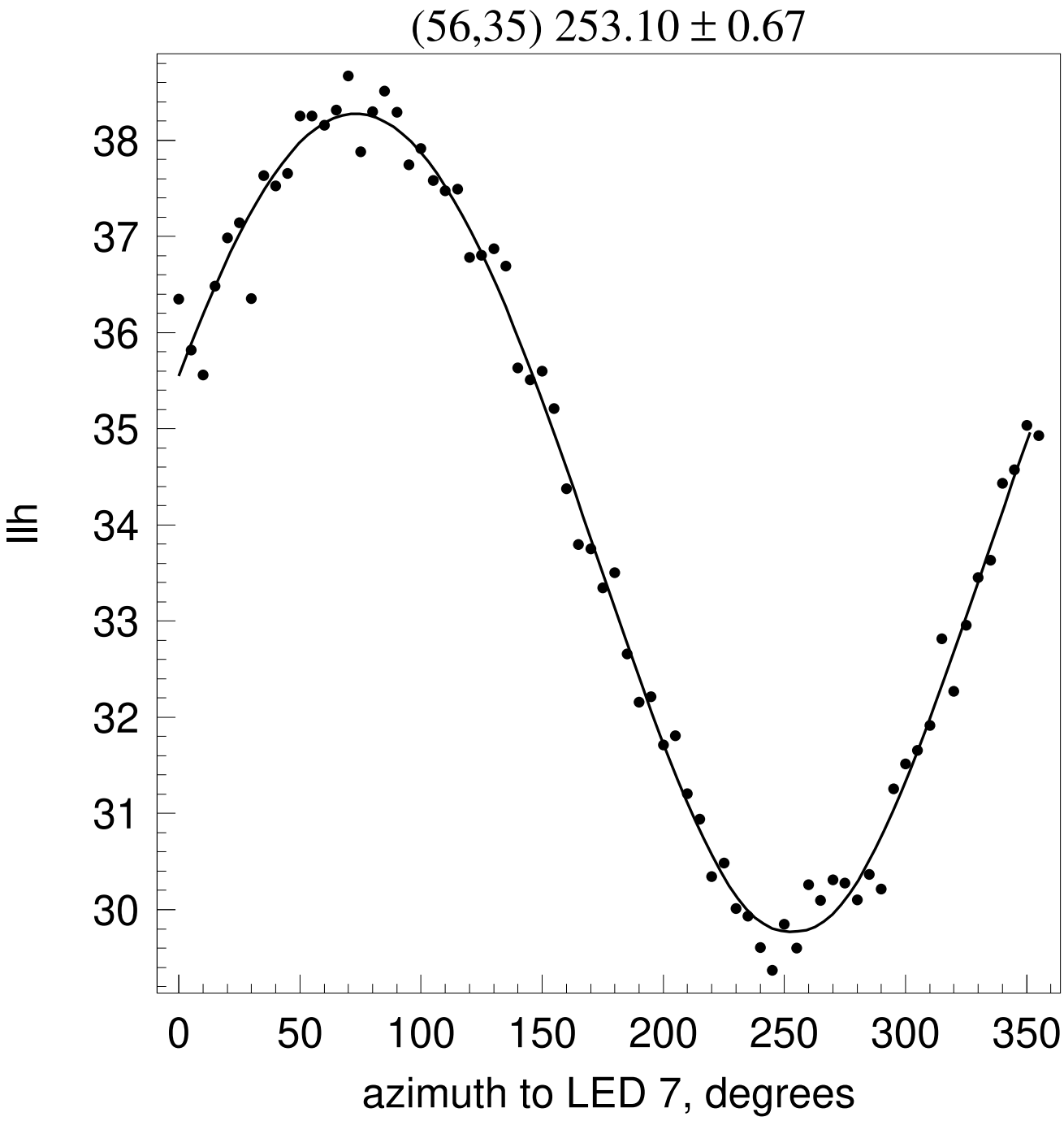

(55,34) 301.58 ± 0.33
28
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

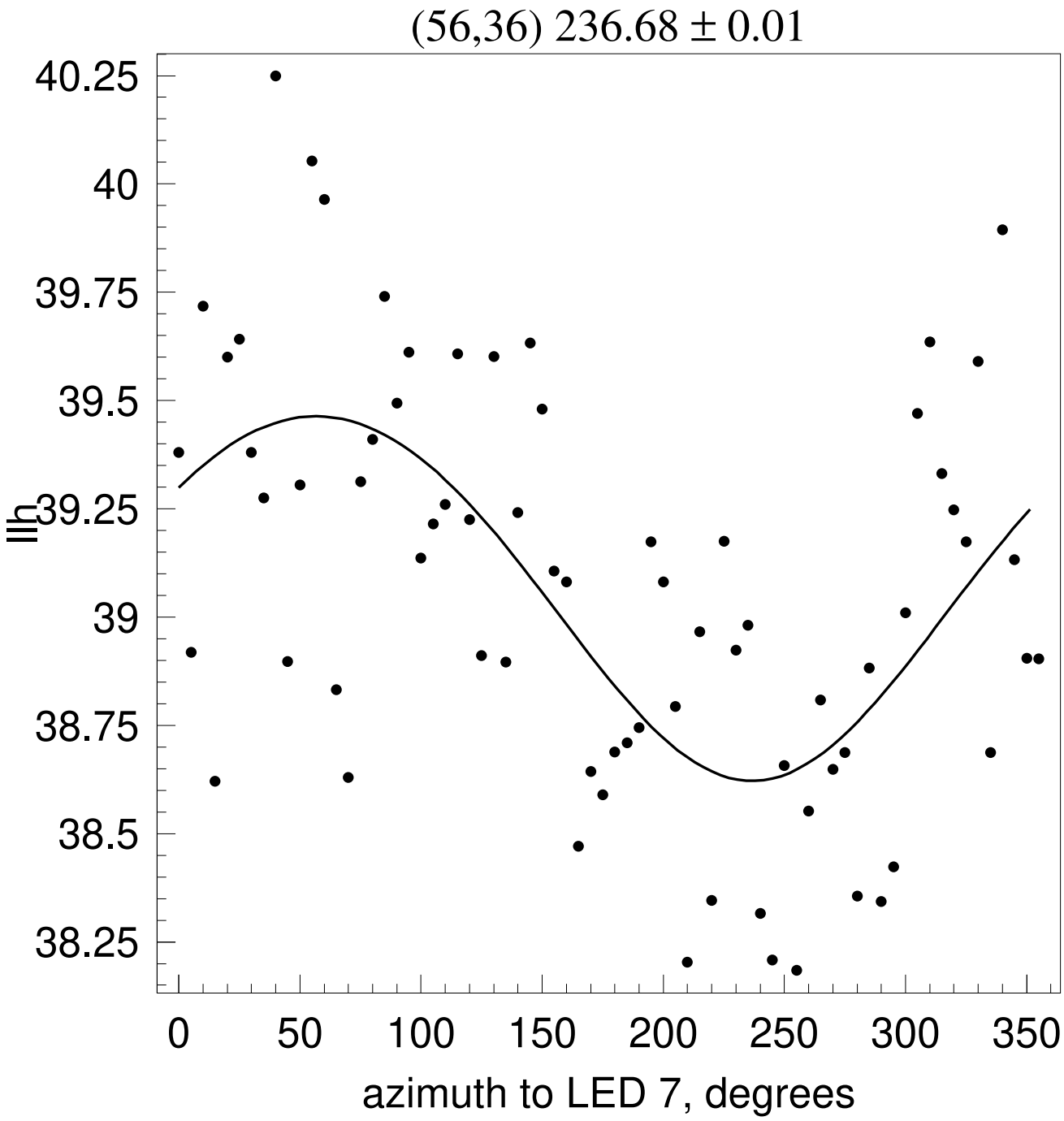

(55,35) 356.67 ± 2.42
21
20.5
20
19.5
19
18.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

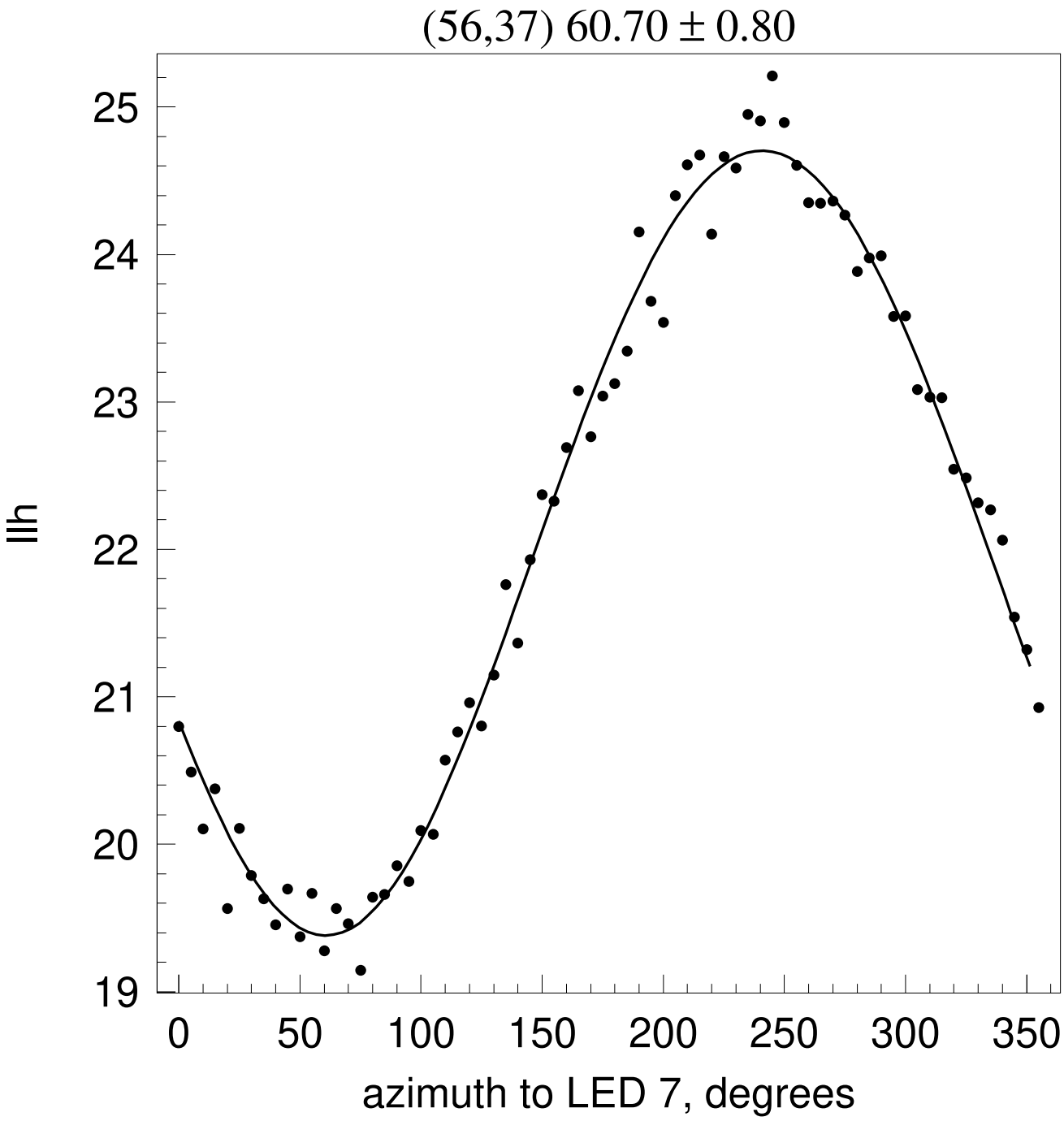

(55,36) 140.85 ± 0.00
16.4
16.2
16
15.8
15.6
15.4
15.2
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

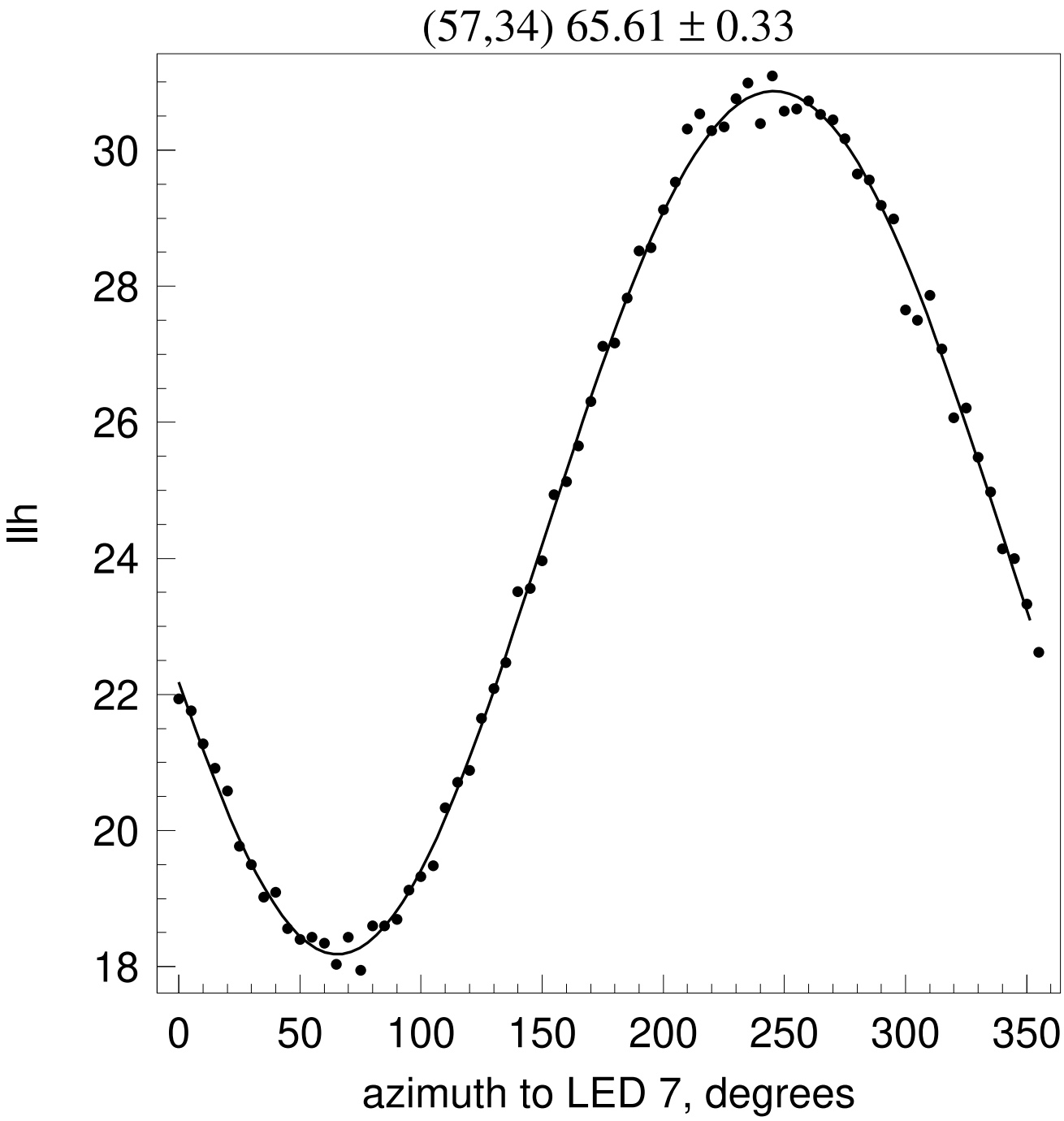

(55,37) 198.60 ± 0.70
16
15
14
13
12
11
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

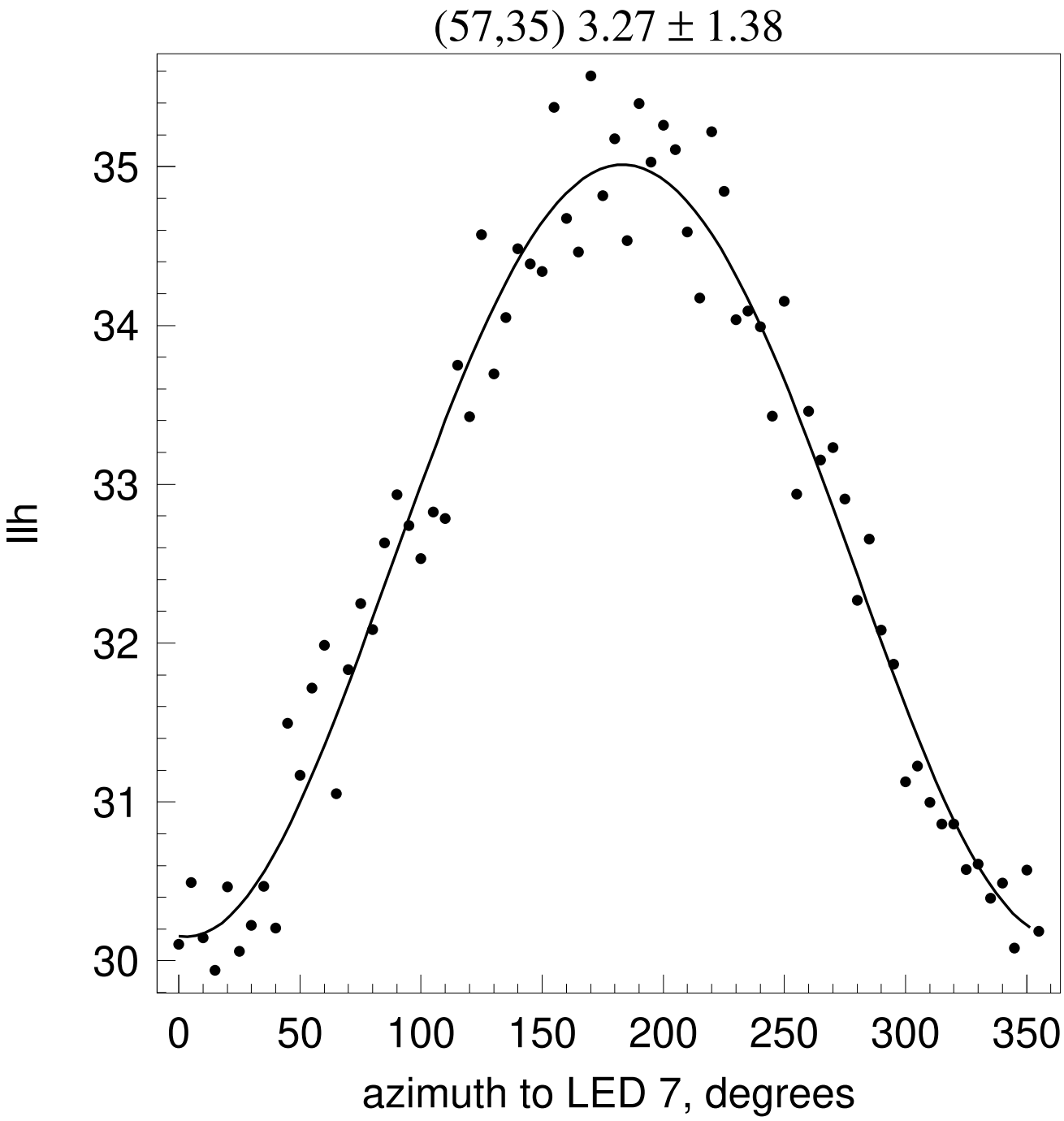

(56,34) 118.07 ± 0.22
40
37.5
35
32.5
30
27.5
25
22.5
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

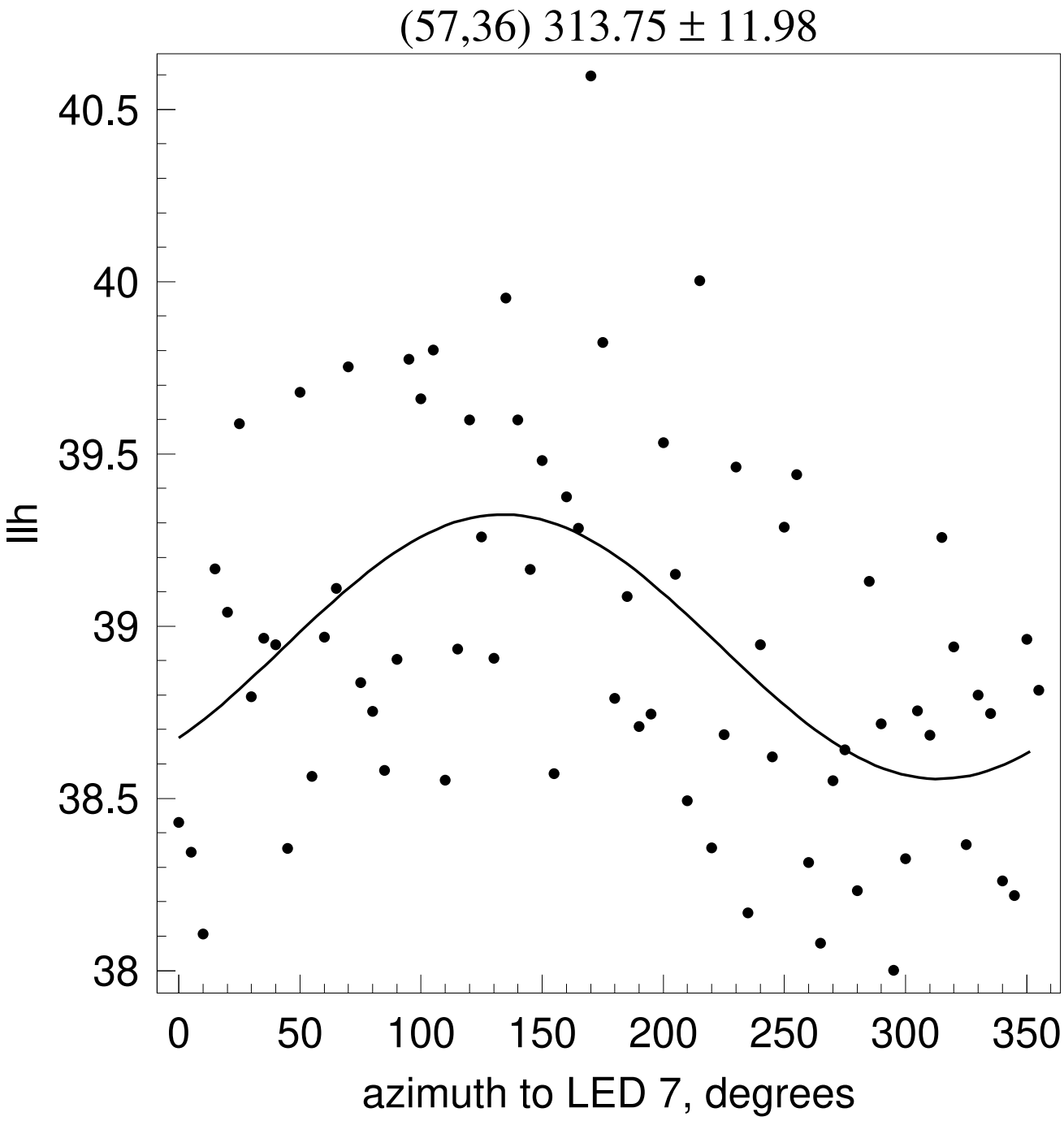

(56,35) 253.10 ± 0.67
38
37
36
35
34
33
32
31
30
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

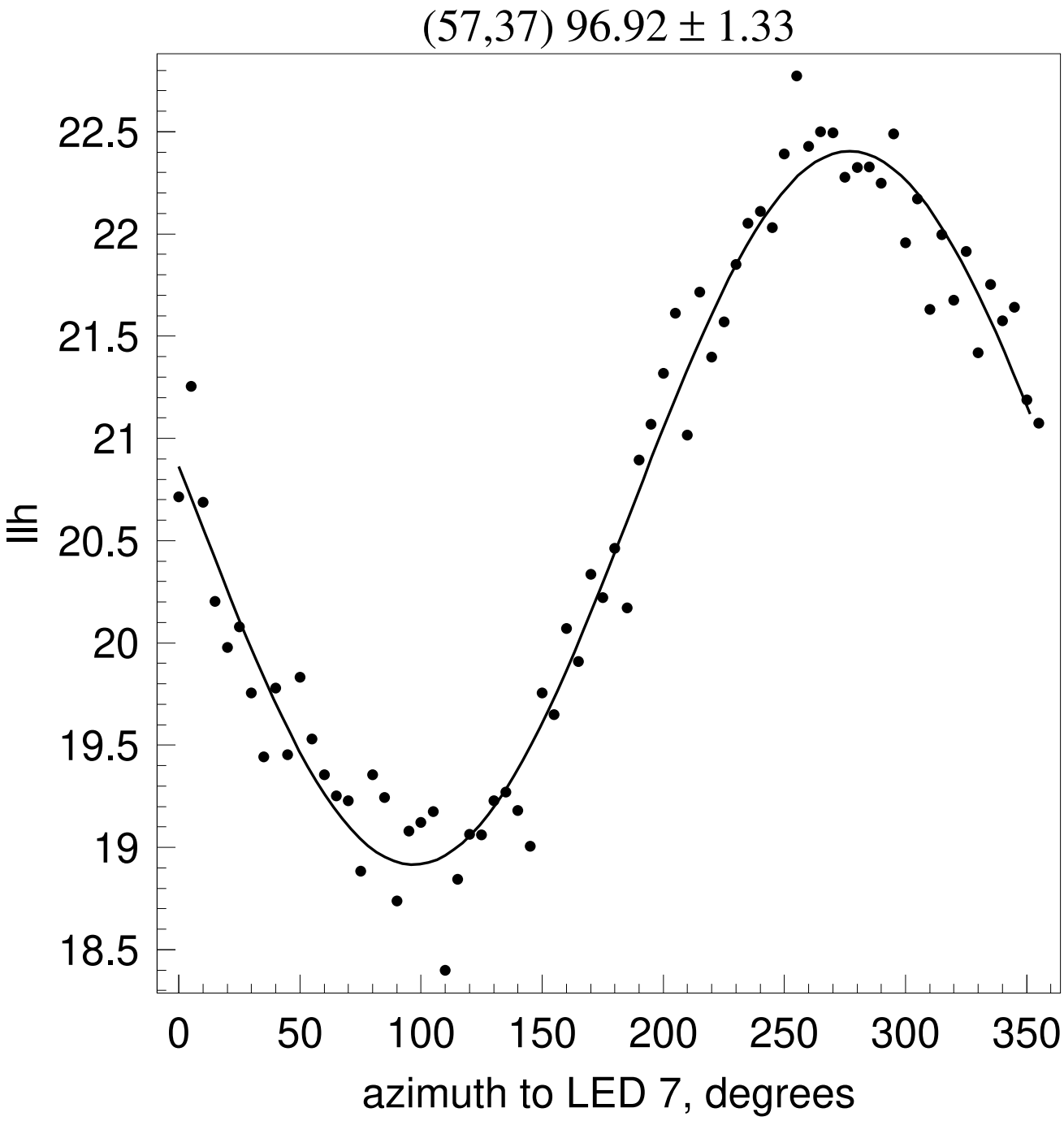

(56,36) 236.68 ± 0.01
40.25
40
39.75
39.5
39.25
39
38.75
38.5
38.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

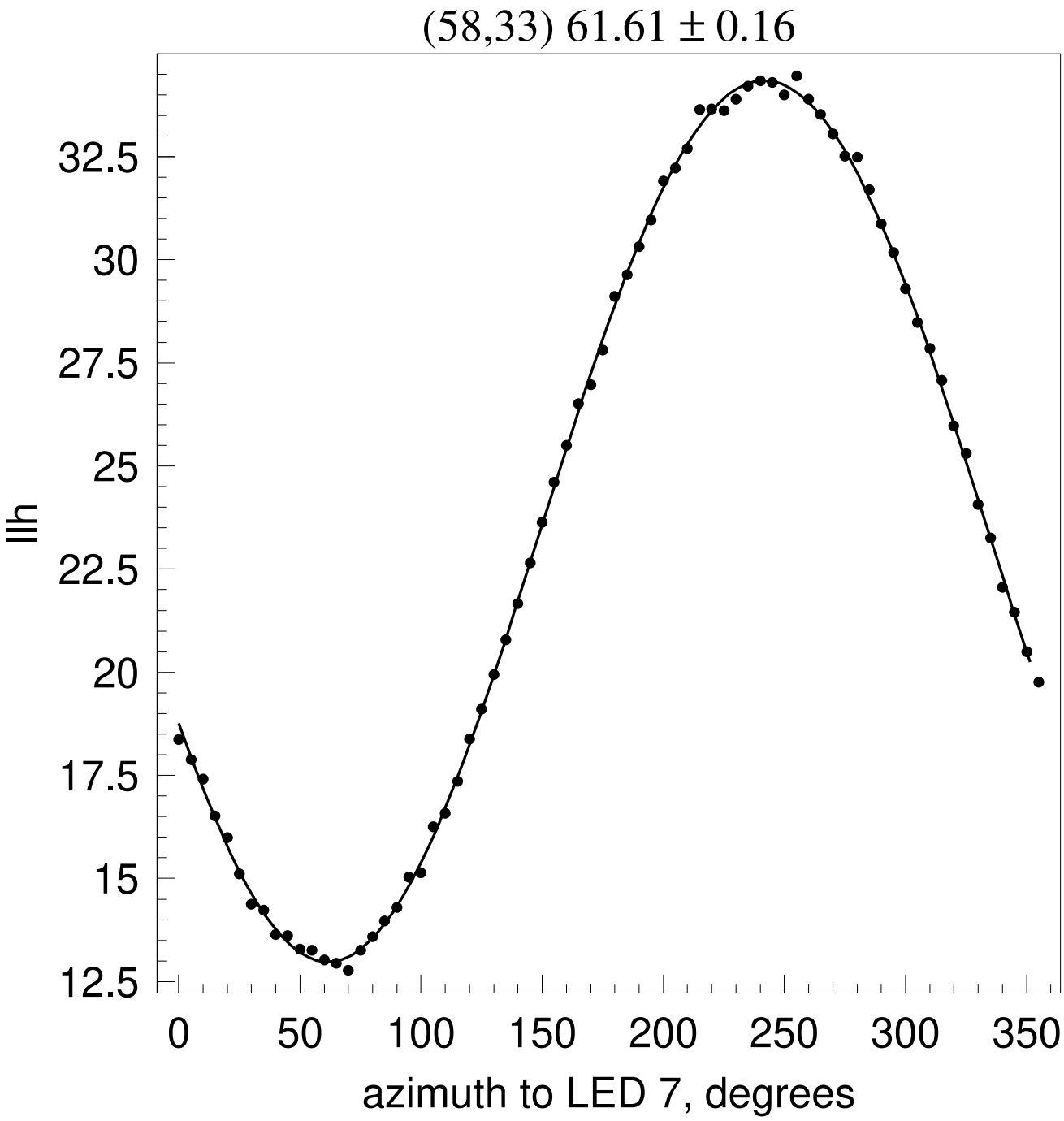

(56,37) 60.70 ± 0.80
llh
25
24
23
22
21
20
19
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

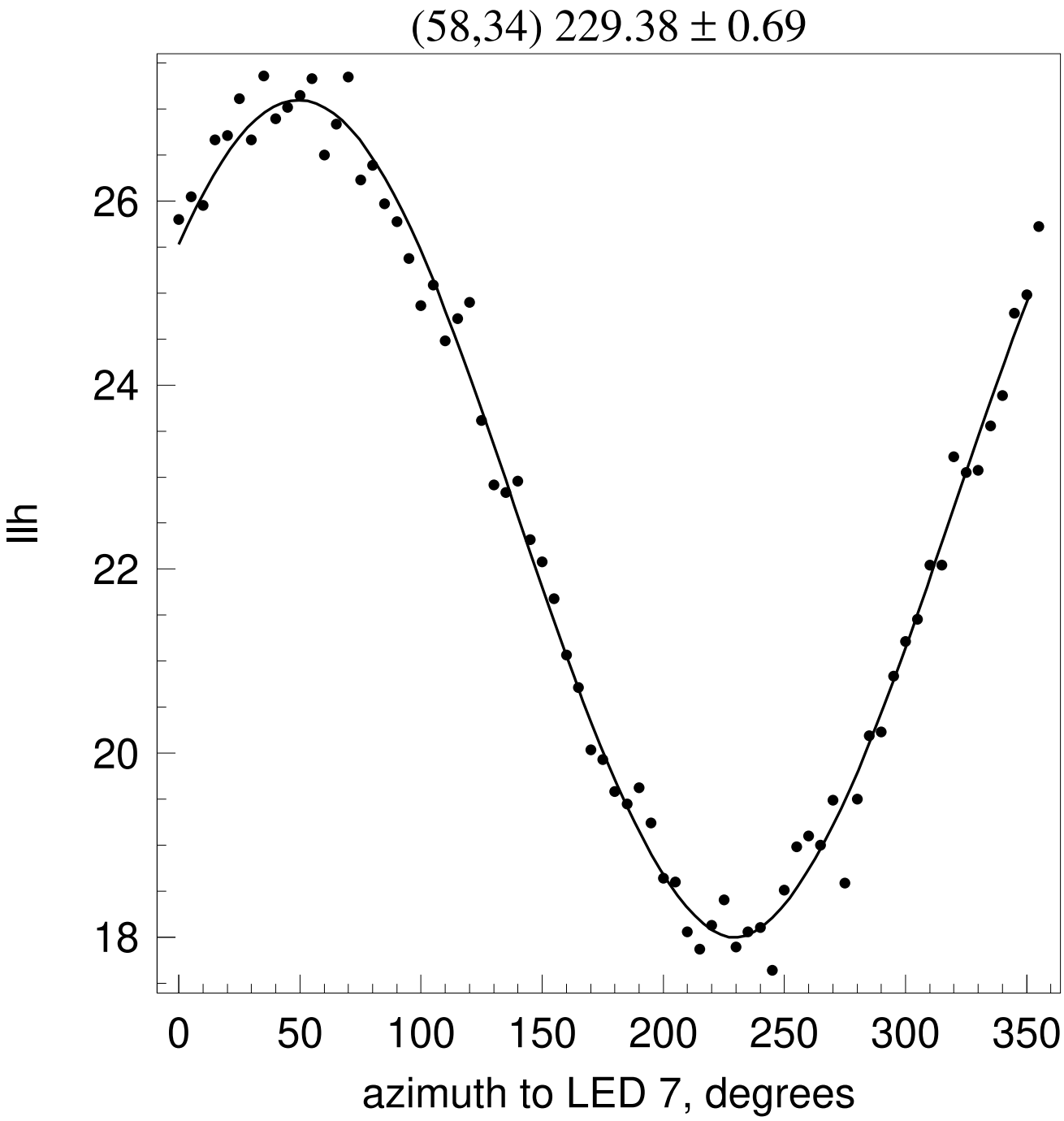

(57,34) 65.61 ± 0.33
30
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

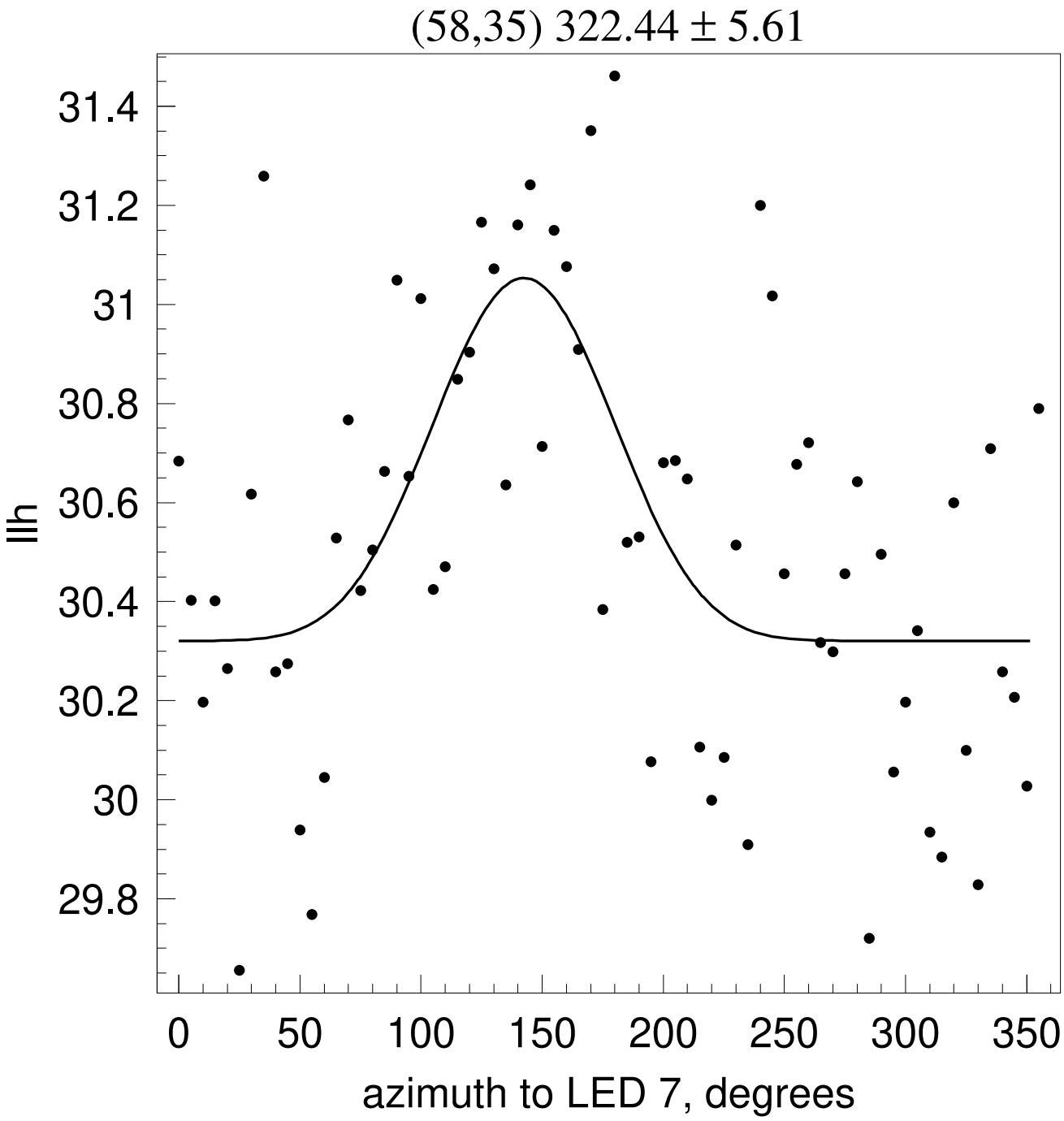

(57,35) 3.27 ± 1.38
llh
35
34
33
32
31
30
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

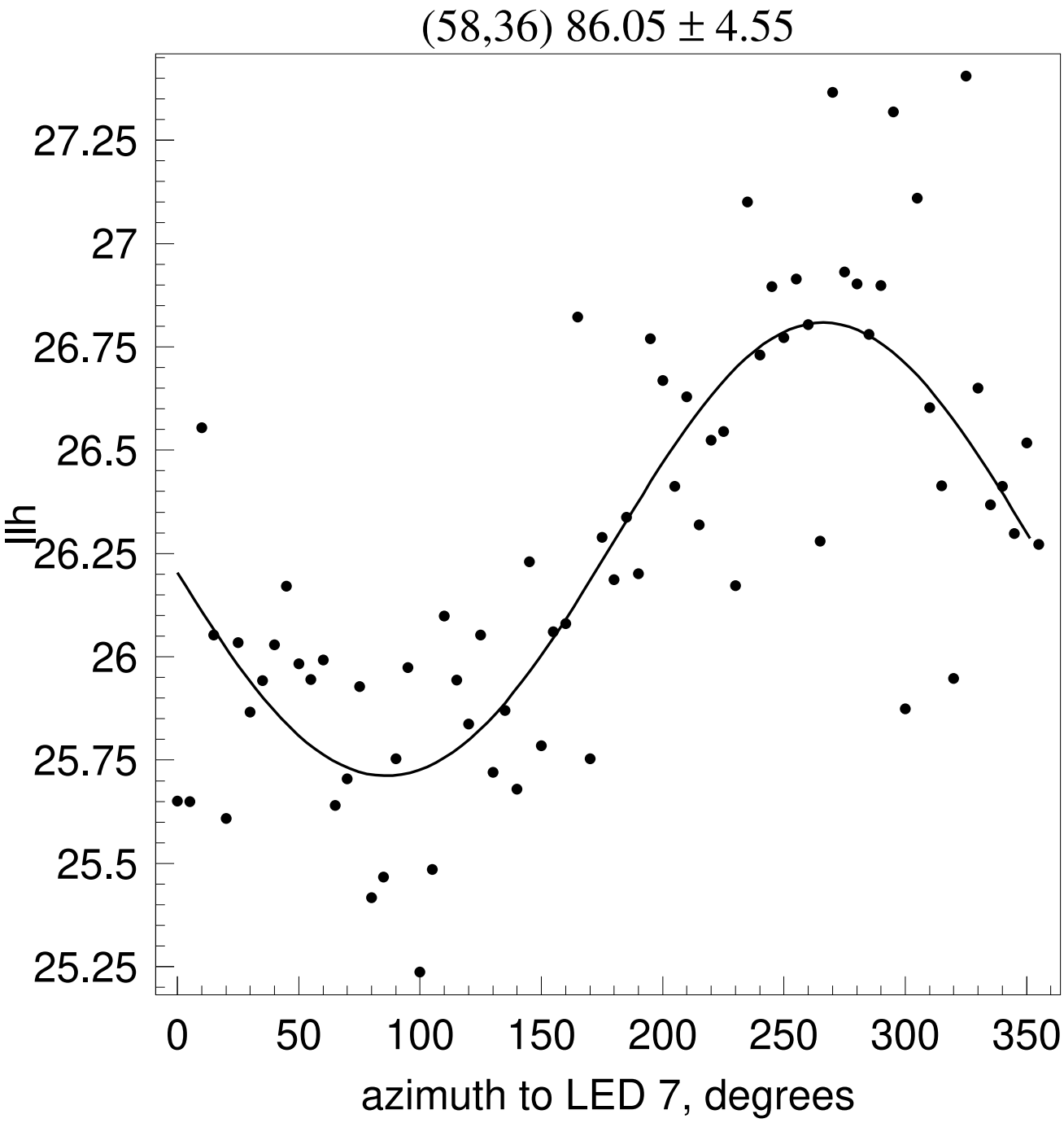

(57,36) 313.75 ± 11.98
40.5
40
39.5
39
38.5
38
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

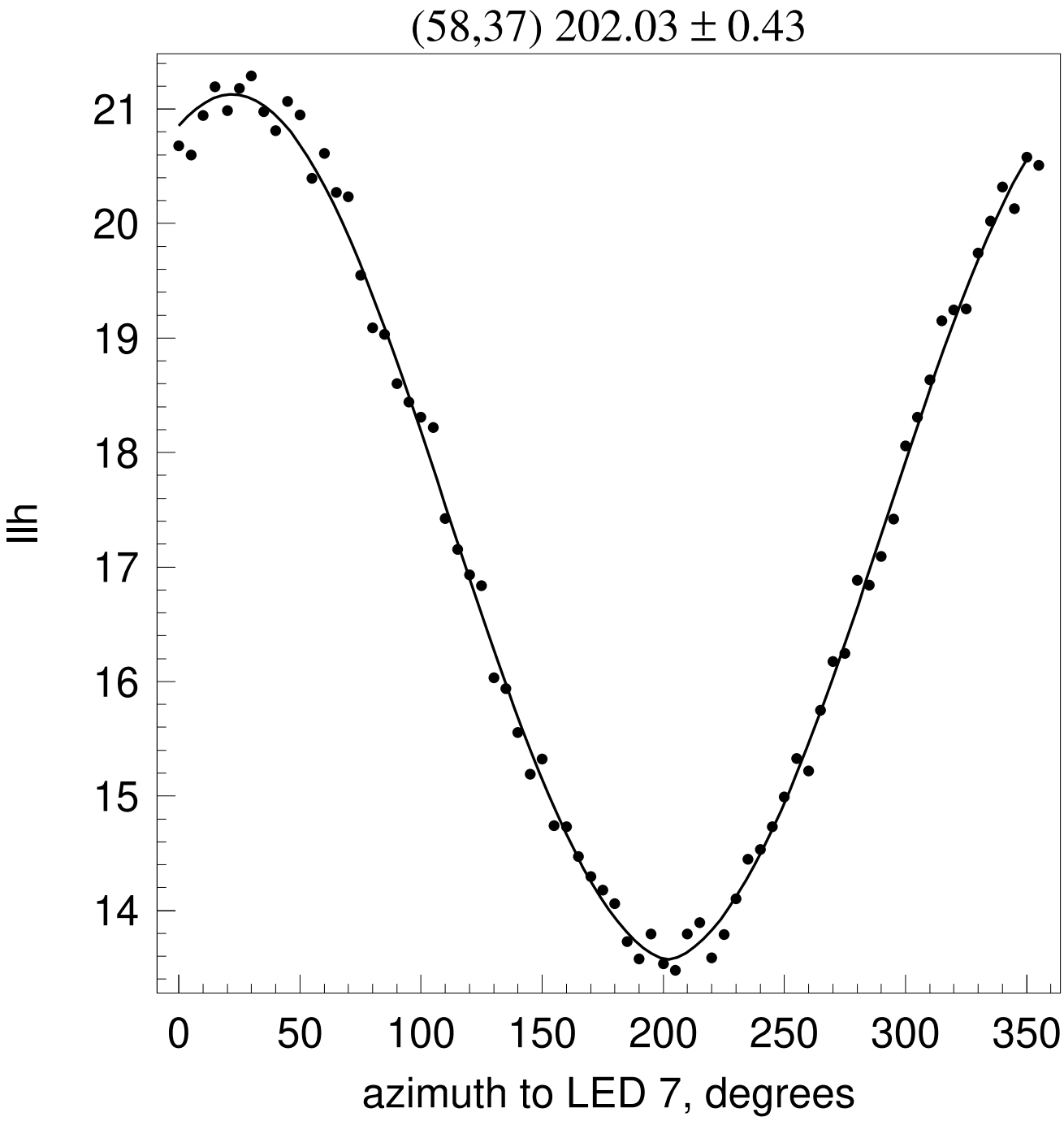

(57,37) 96.92 ± 1.33
22.5
22
21.5
21
20.5
20
19.5
19
18.5
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

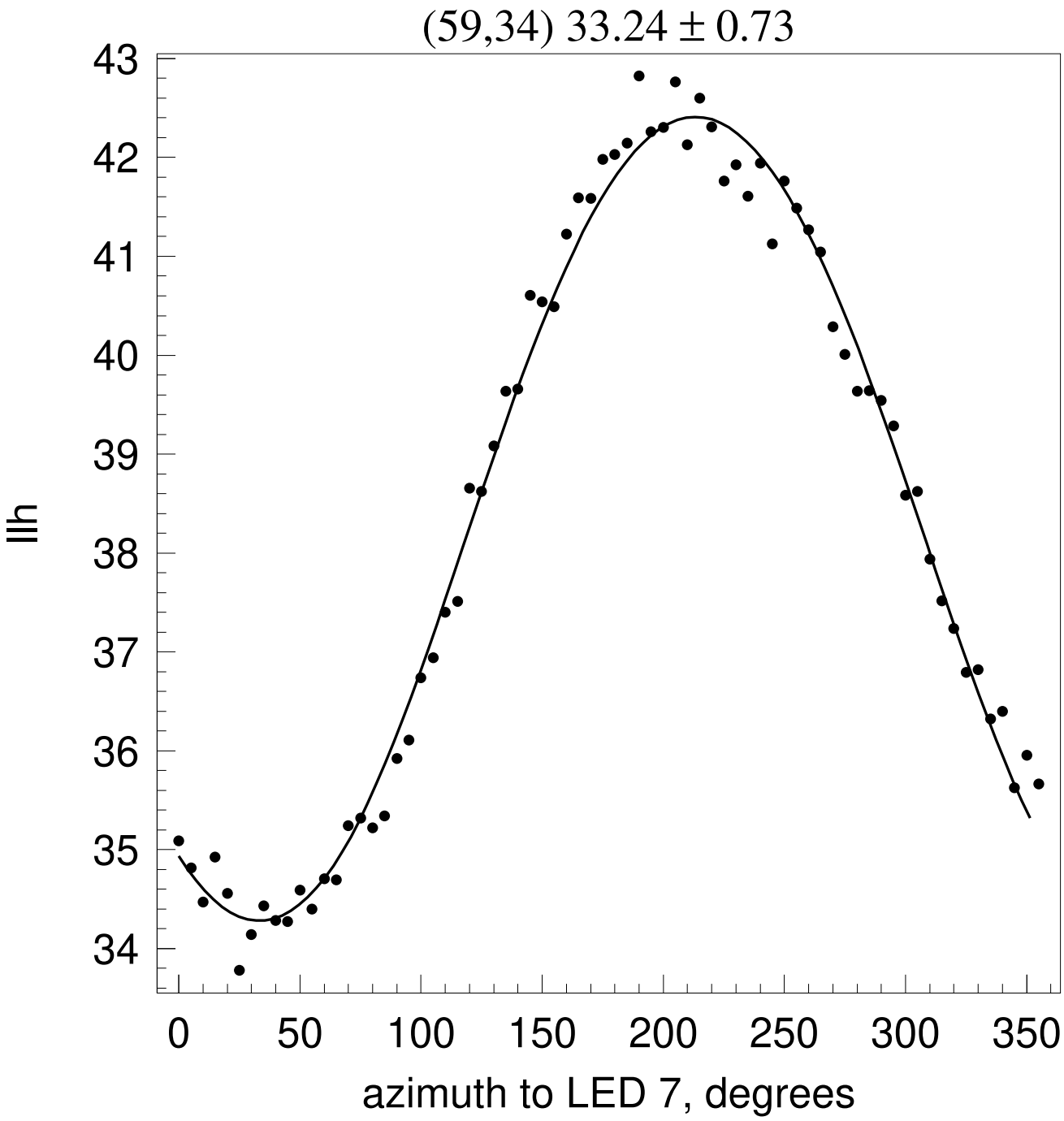

(58,33) 61.61 ± 0.16
32.5
30
27.5
25
22.5
20
17.5
15
12.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

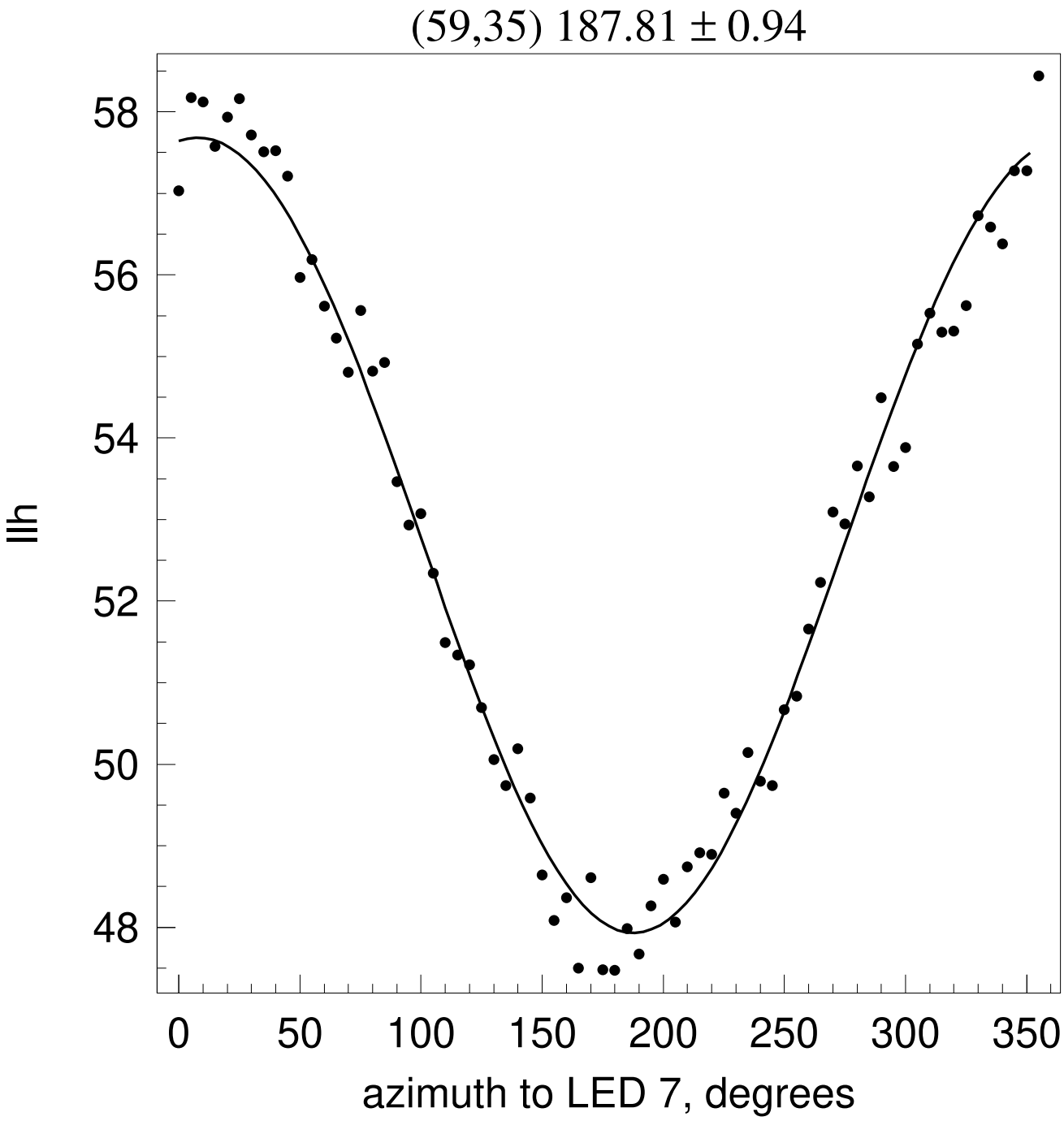

(58,34) 229.38 ± 0.69
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

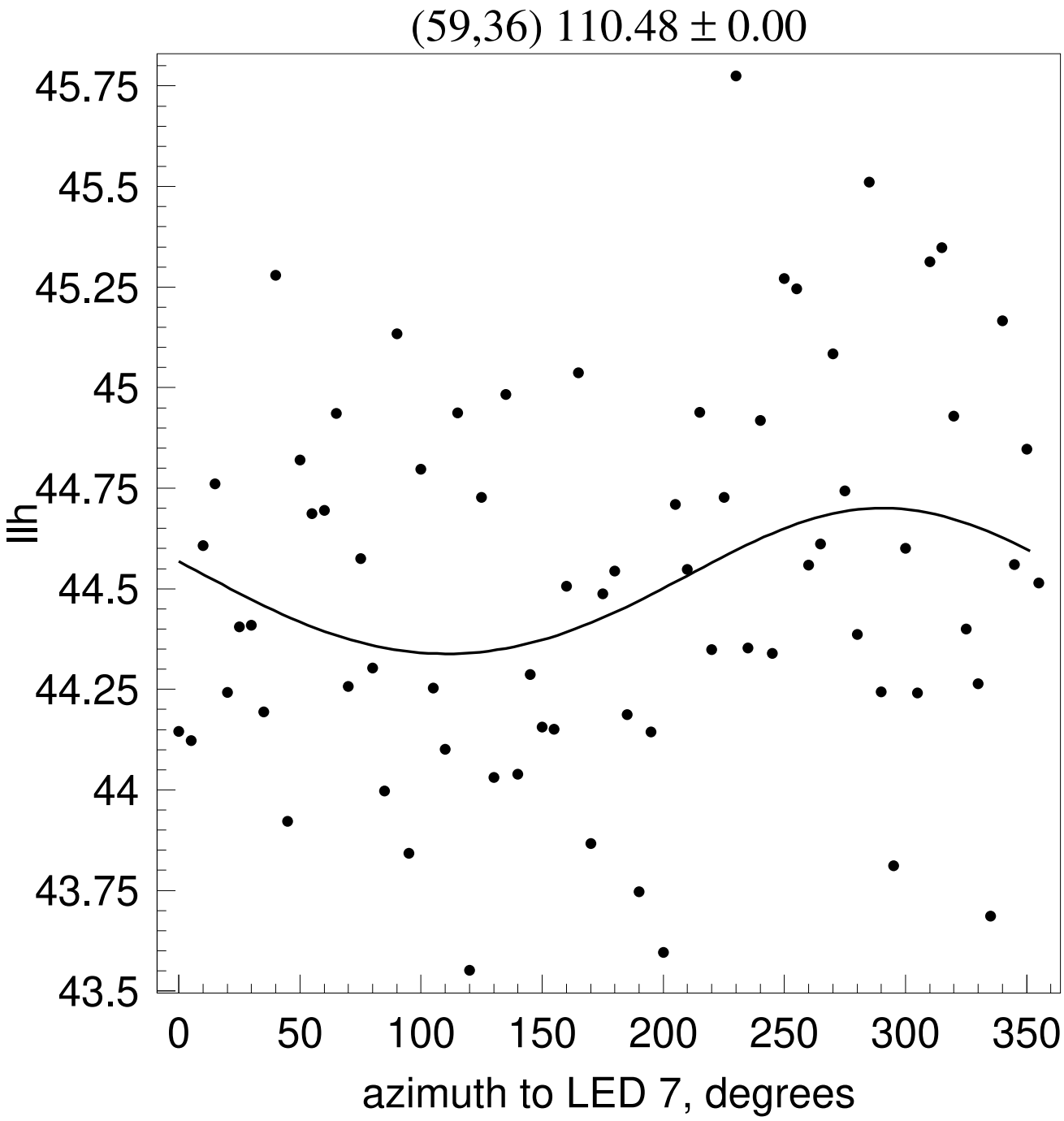

(58,35) 322.44 ± 5.61
31.4
31.2
31
30.8
30.6
30.4
30.2
30
29.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

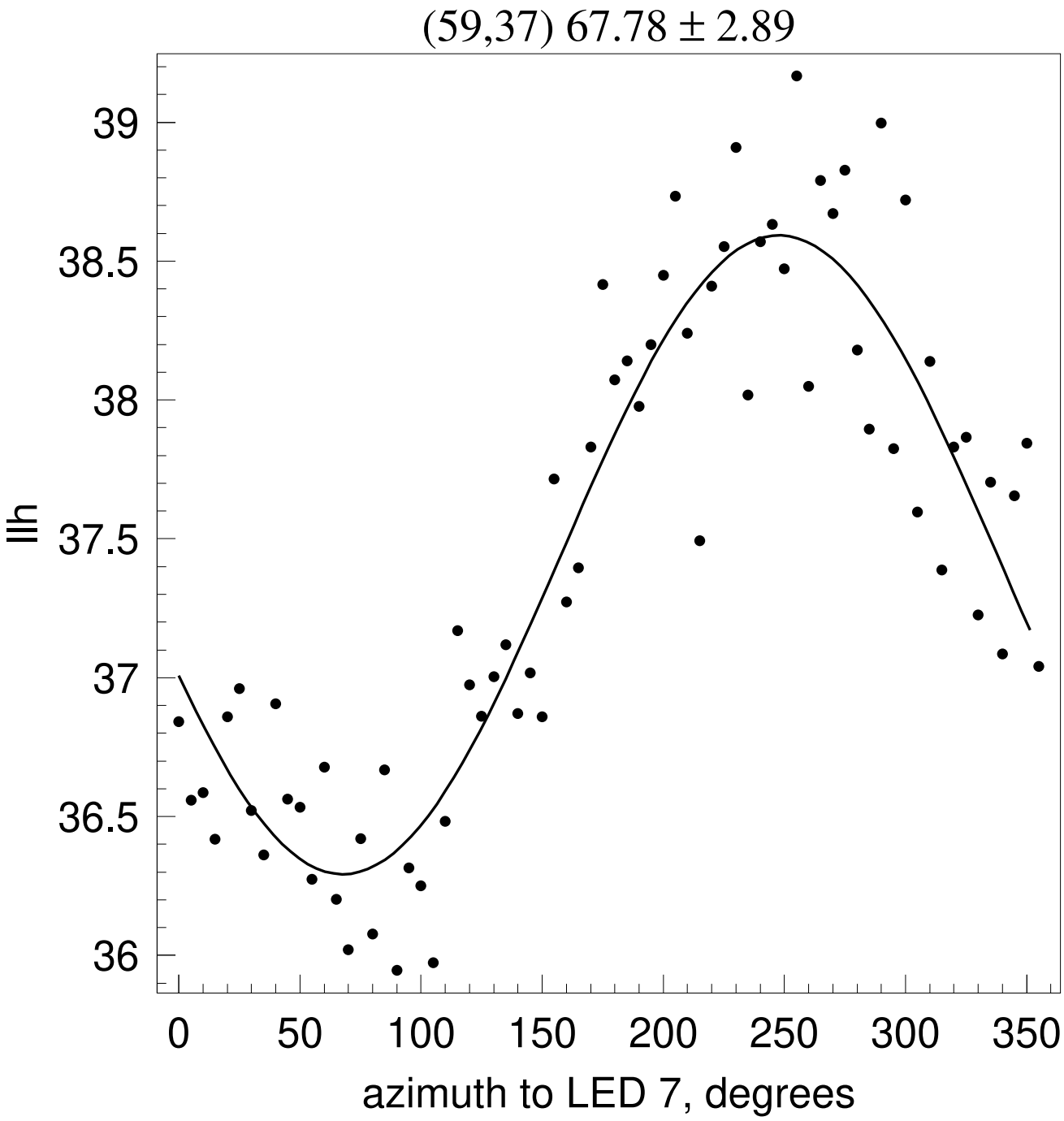

(58,36) 86.05 ± 4.55
27.25
27
26.75
26.5
26.25
26
25.75
25.5
25.25
μh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

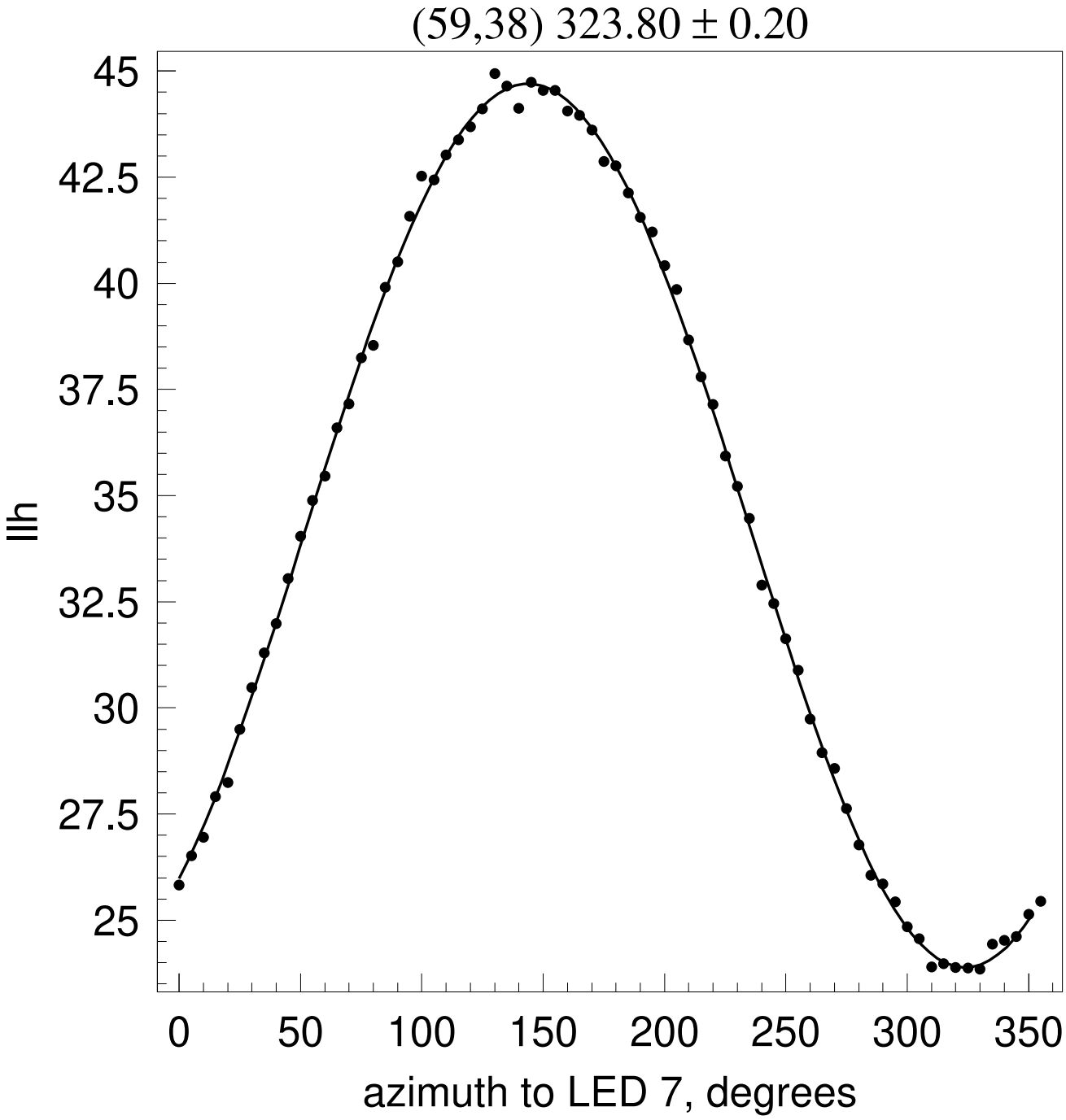

(58,37) 202.03 ± 0.43
21
20
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

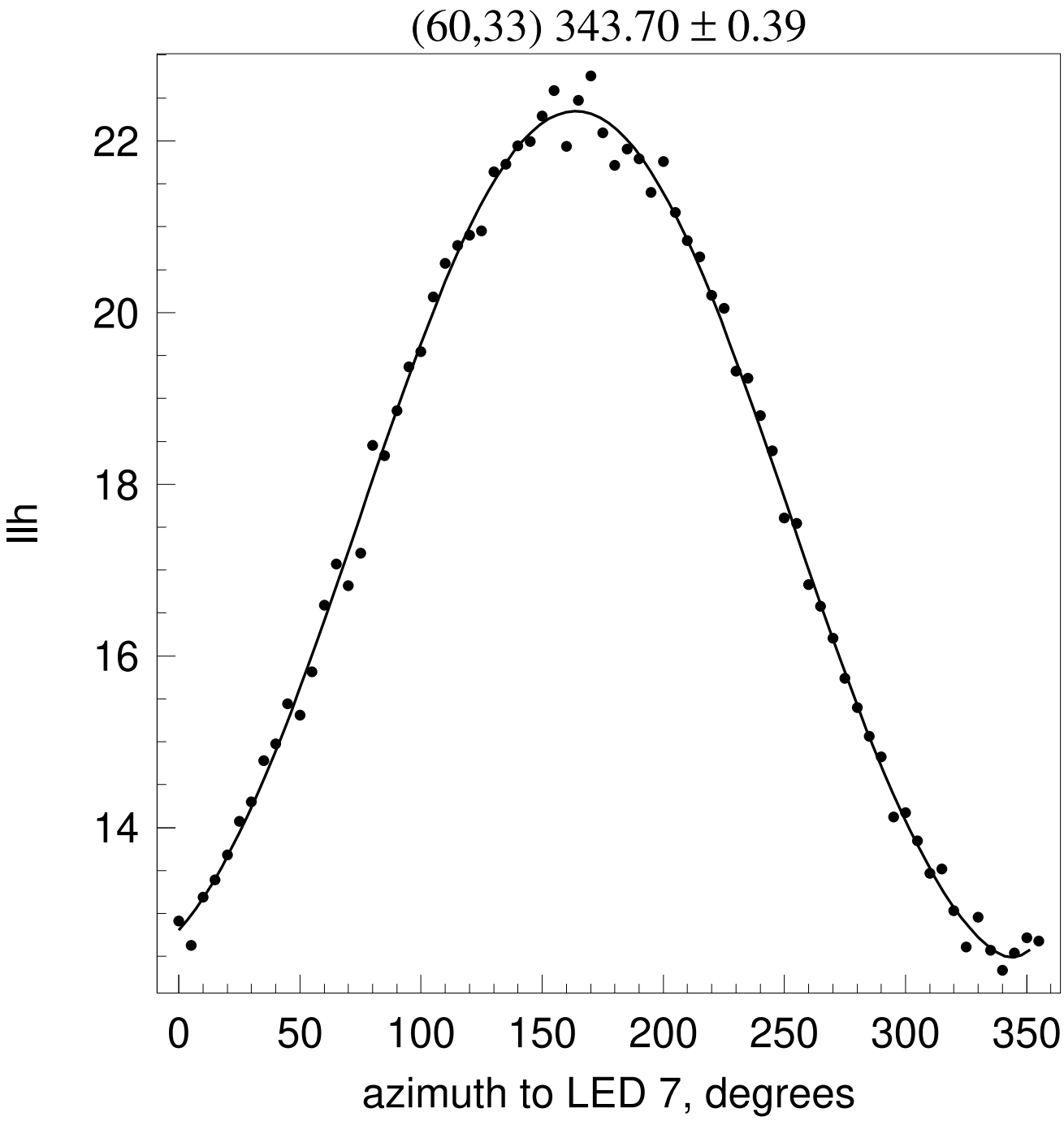

(59,34) 33.24 ± 0.73
43
42
41
40
39
38
37
36
35
34
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

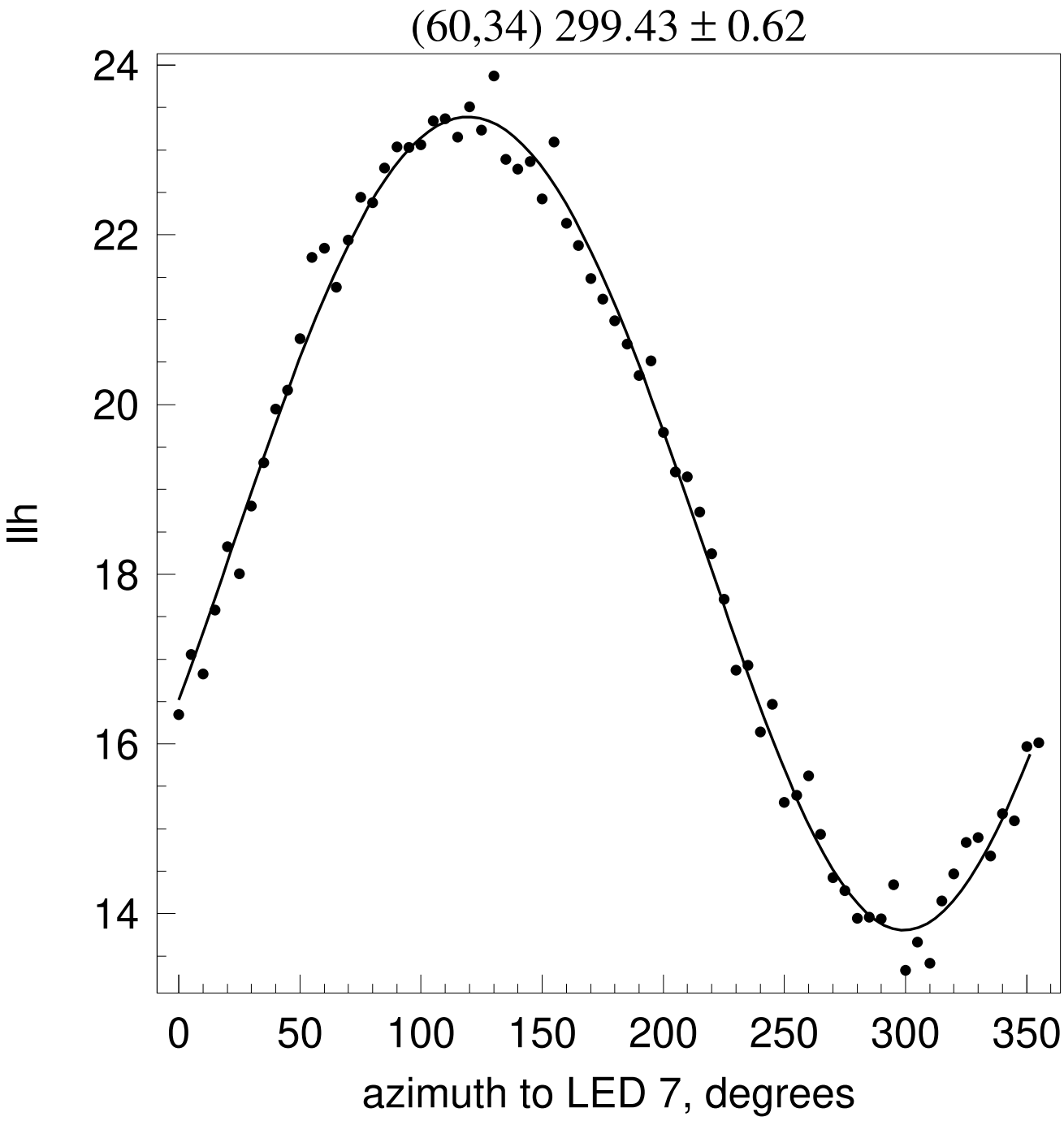

(59,35) 187.81 ± 0.94
58
56
54
52
50
48
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

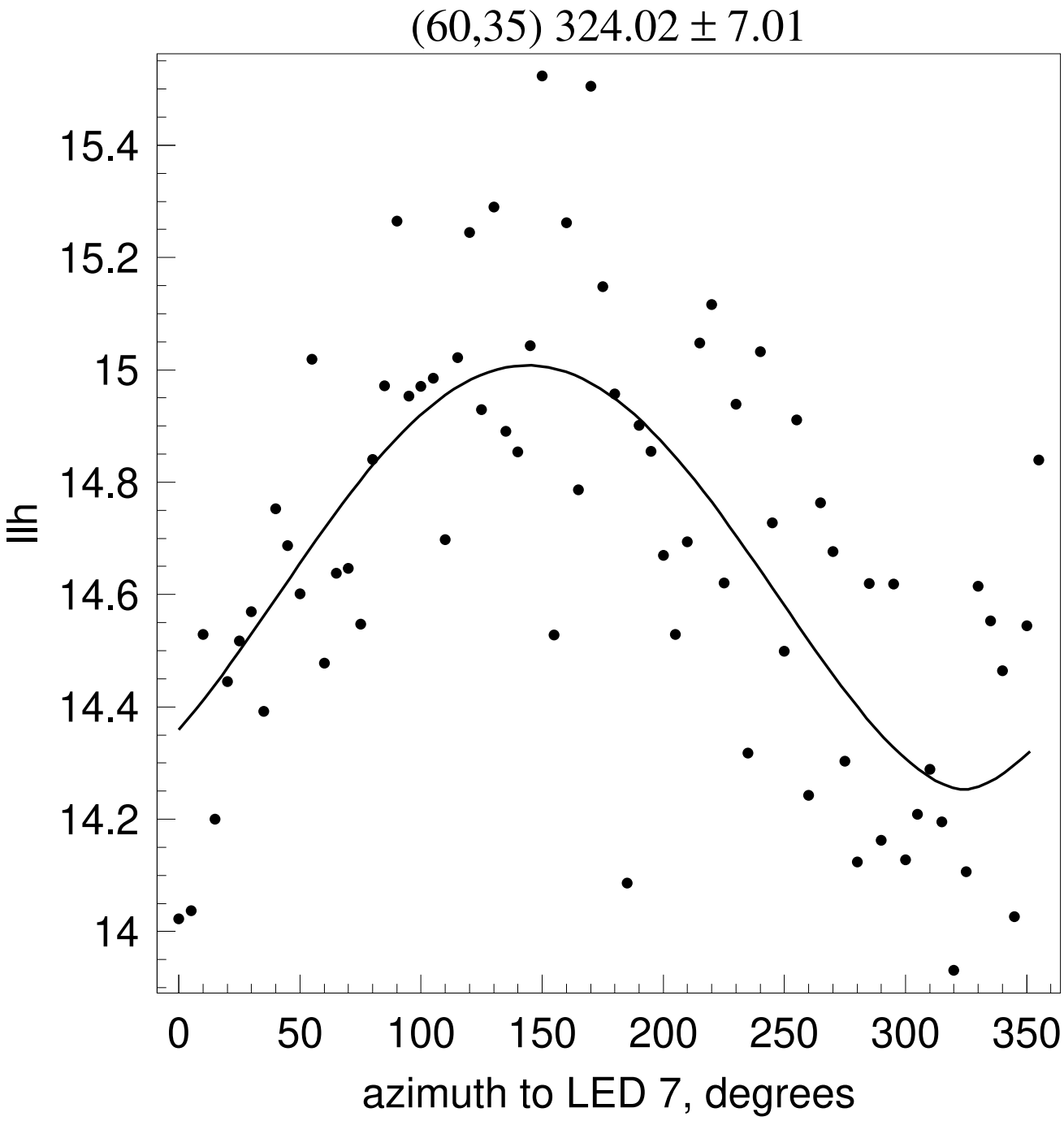

(59,36) 110.48 ± 0.00
45.75
45.5
45.25
45
44.75
44.5
44.25
44
43.75
43.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

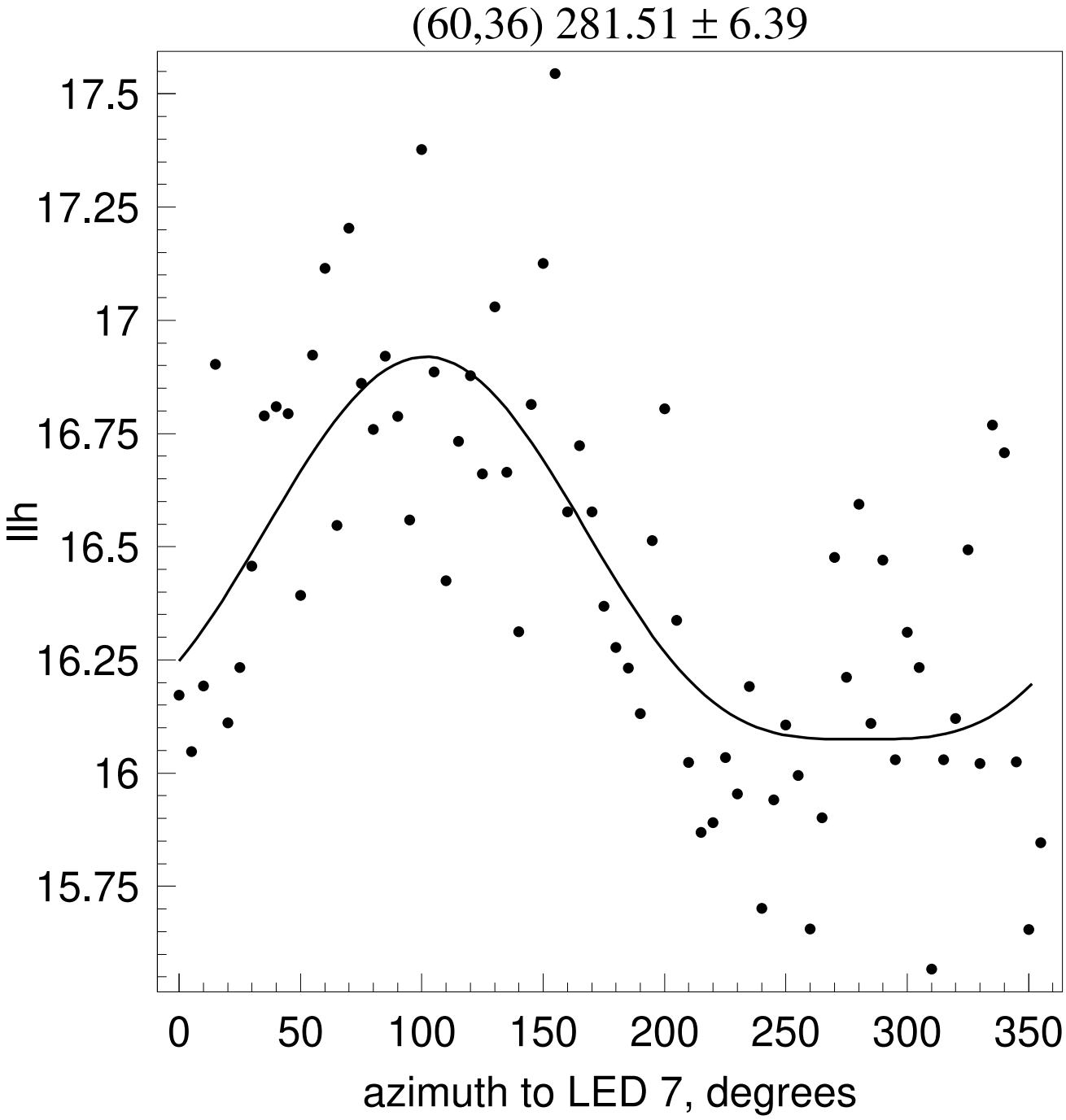

(59,37) 67.78 ± 2.89
39
38.5
38
37.5
37
36.5
36
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

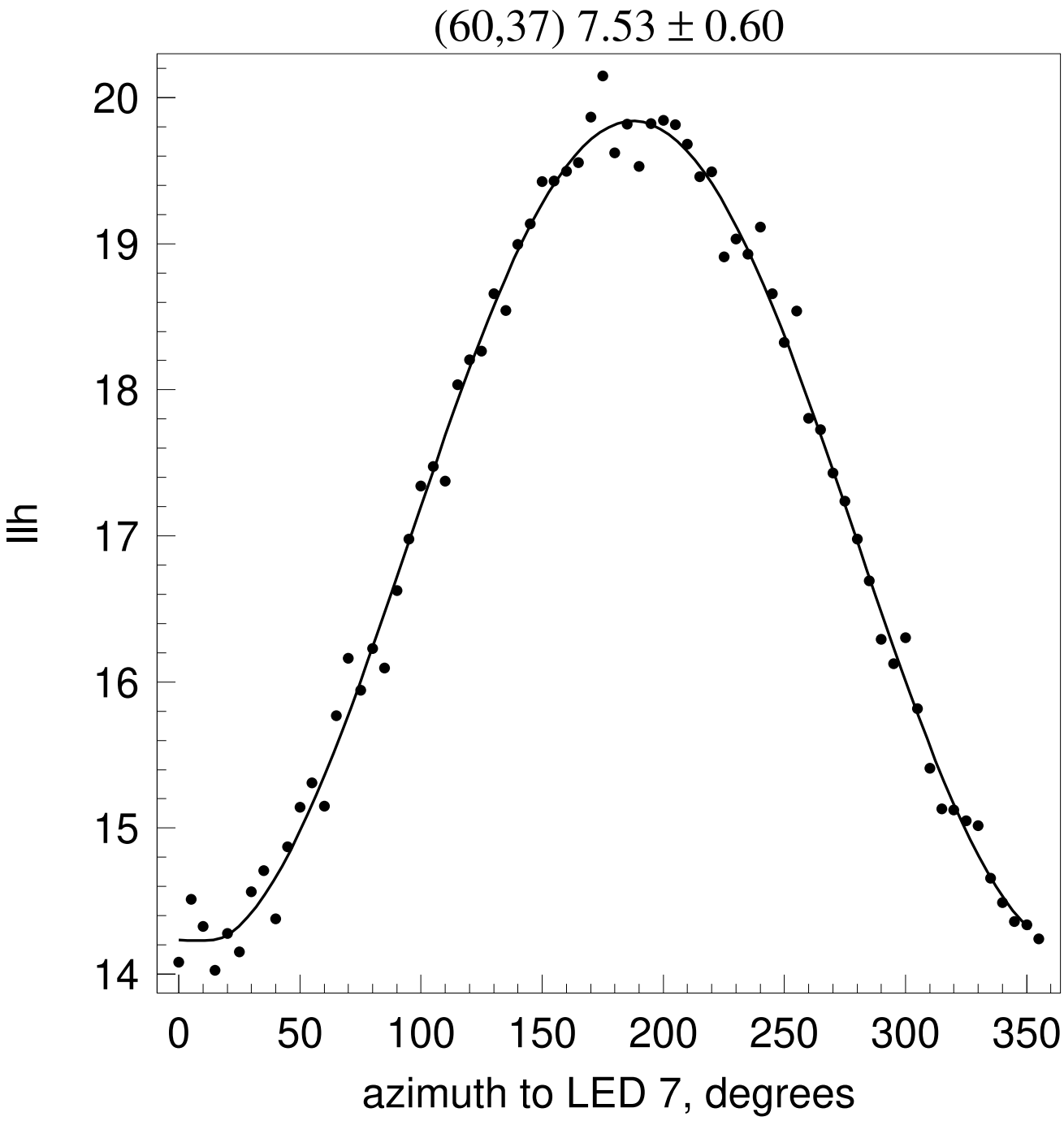

(59,38) 323.80 ± 0.20
45
42.5
40
37.5
35
32.5
30
27.5
25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

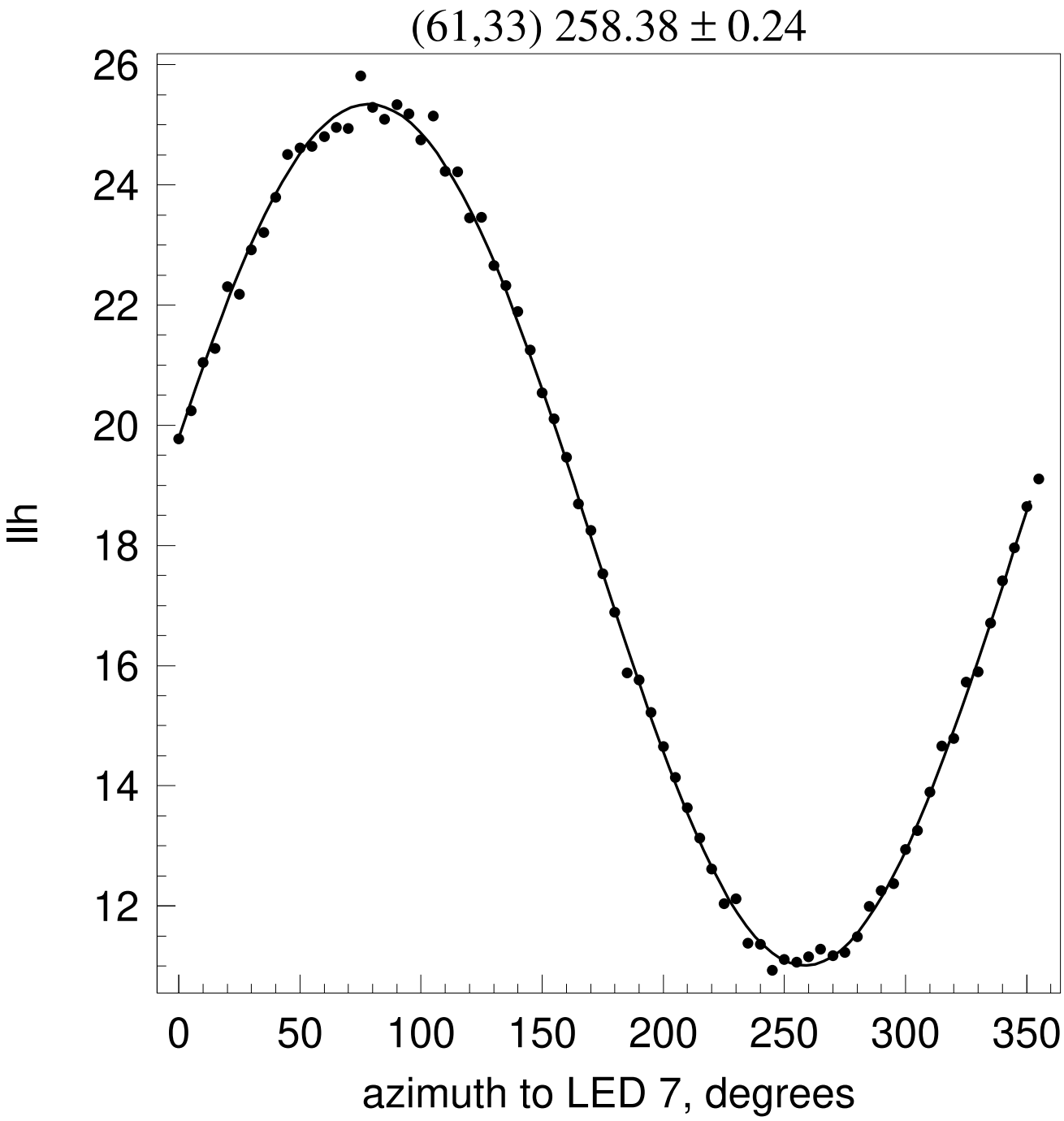

(60,33) 343.70 ± 0.39
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

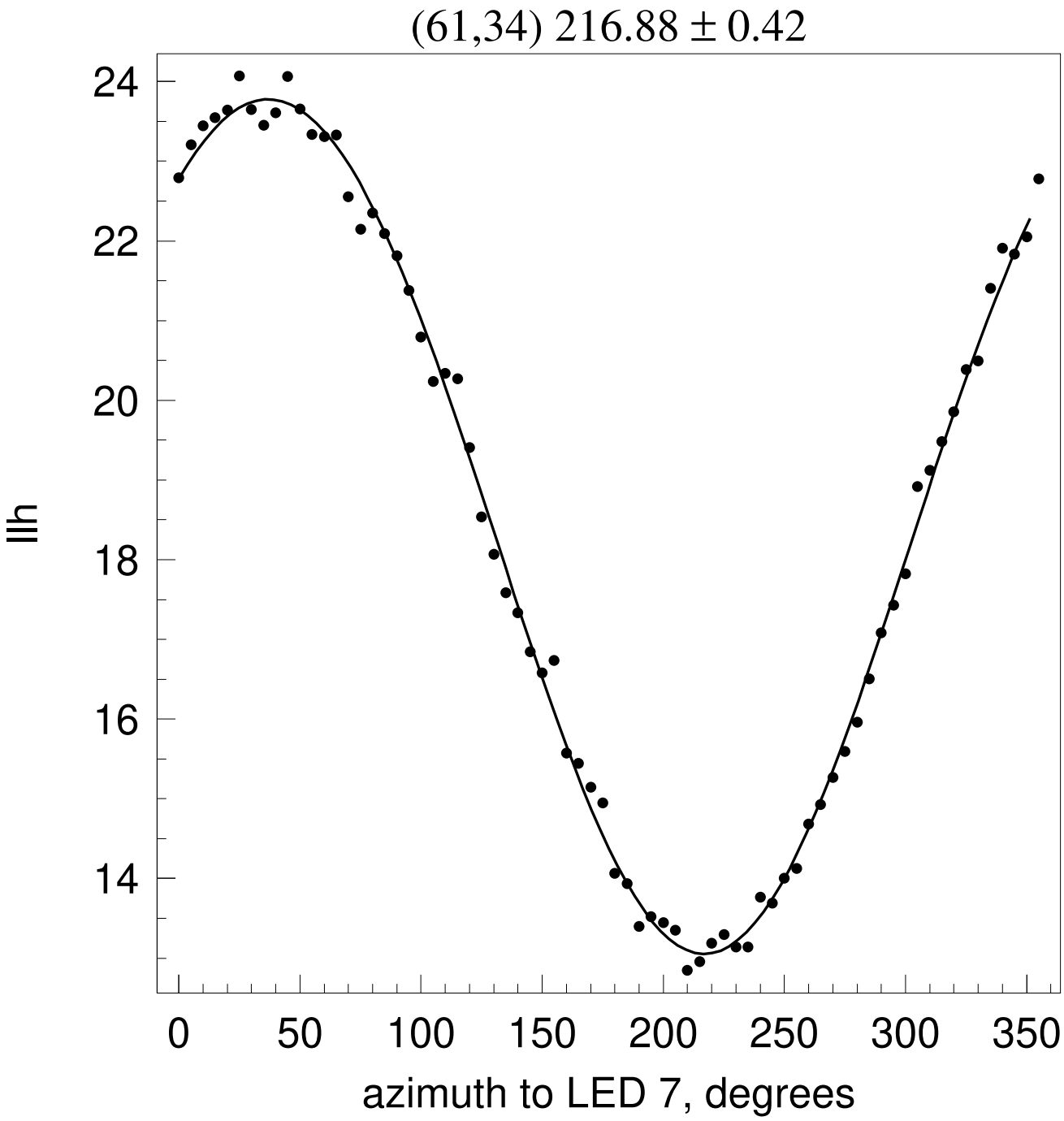

(60,34) 299.43 ± 0.62
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

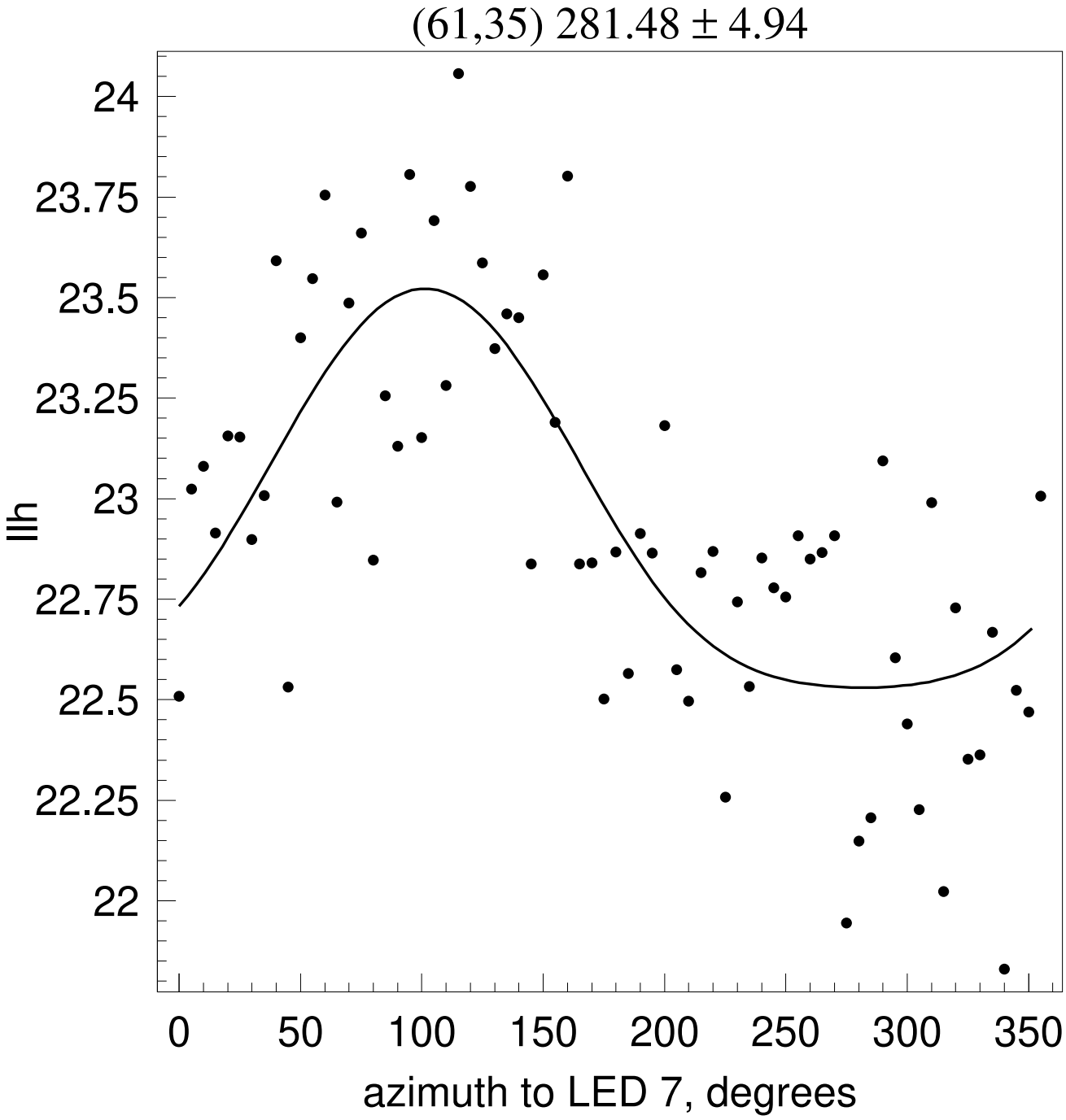

(60,35) 324.02 ± 7.01
15.4
15.2
15
14.8
14.6
14.4
14.2
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

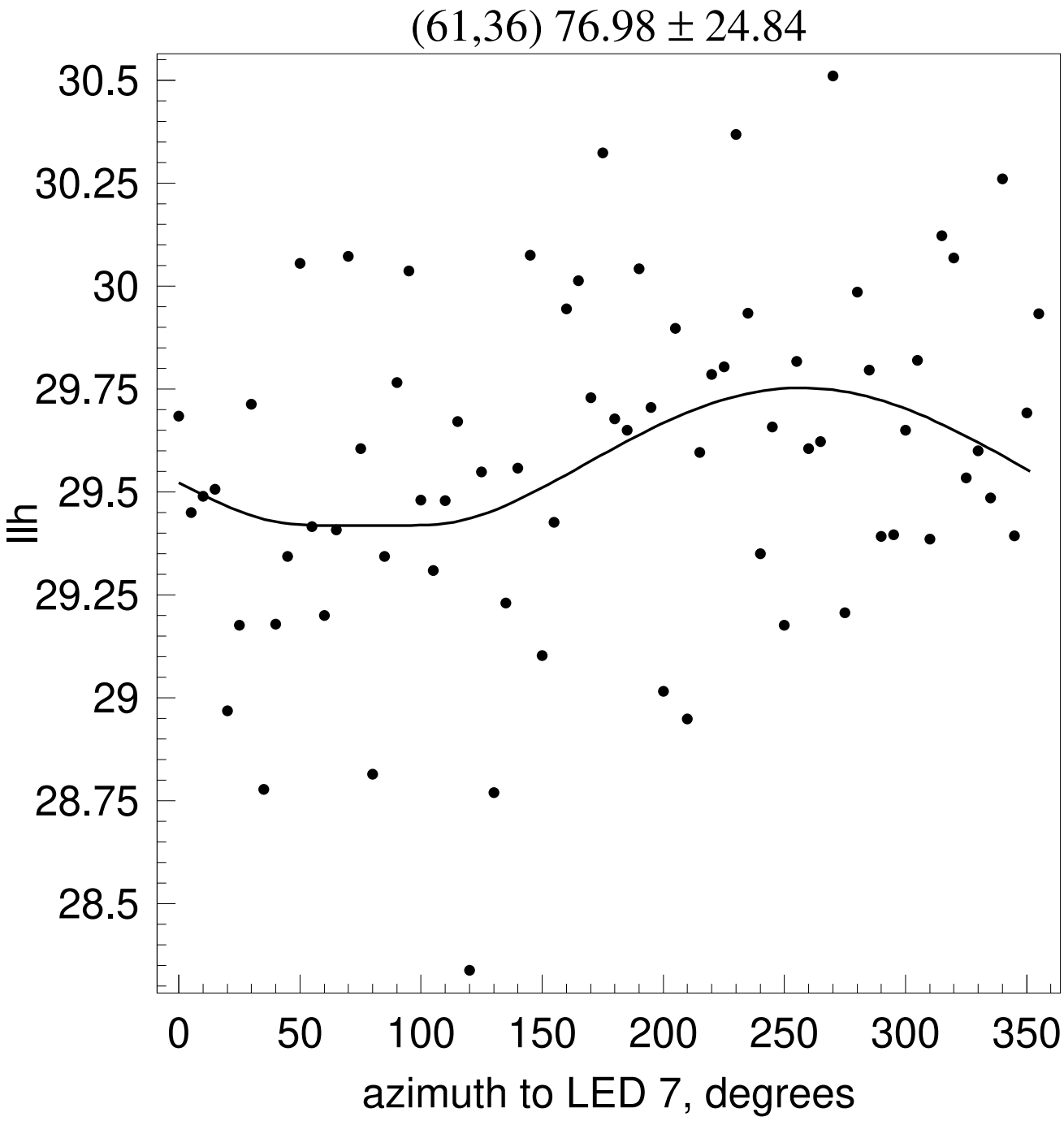

(60,36) 281.51 ± 6.39
17.5
17.25
17
16.75
16.5
16.25
16
15.75
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

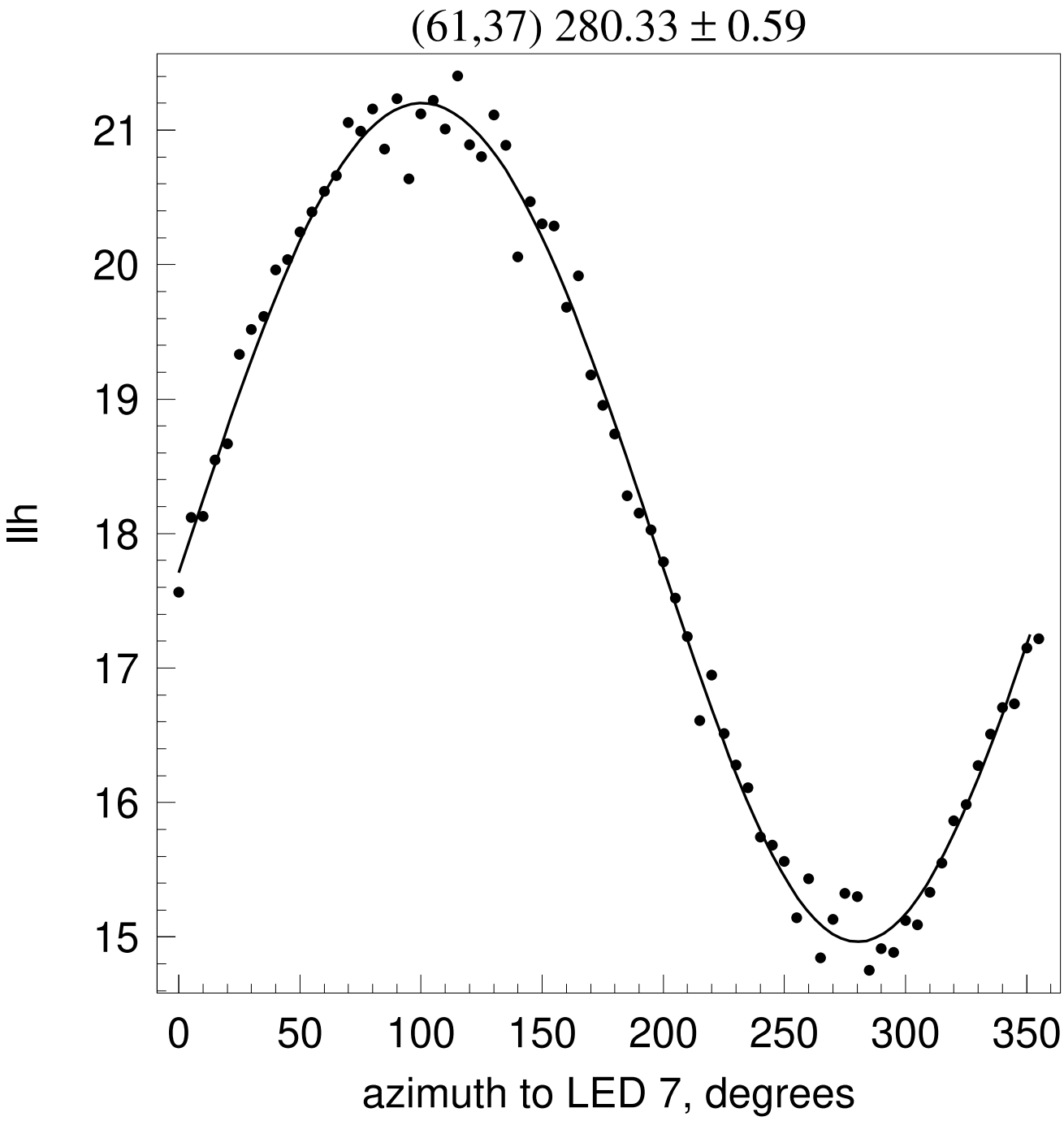

(60,37) 7.53 ± 0.60
20
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

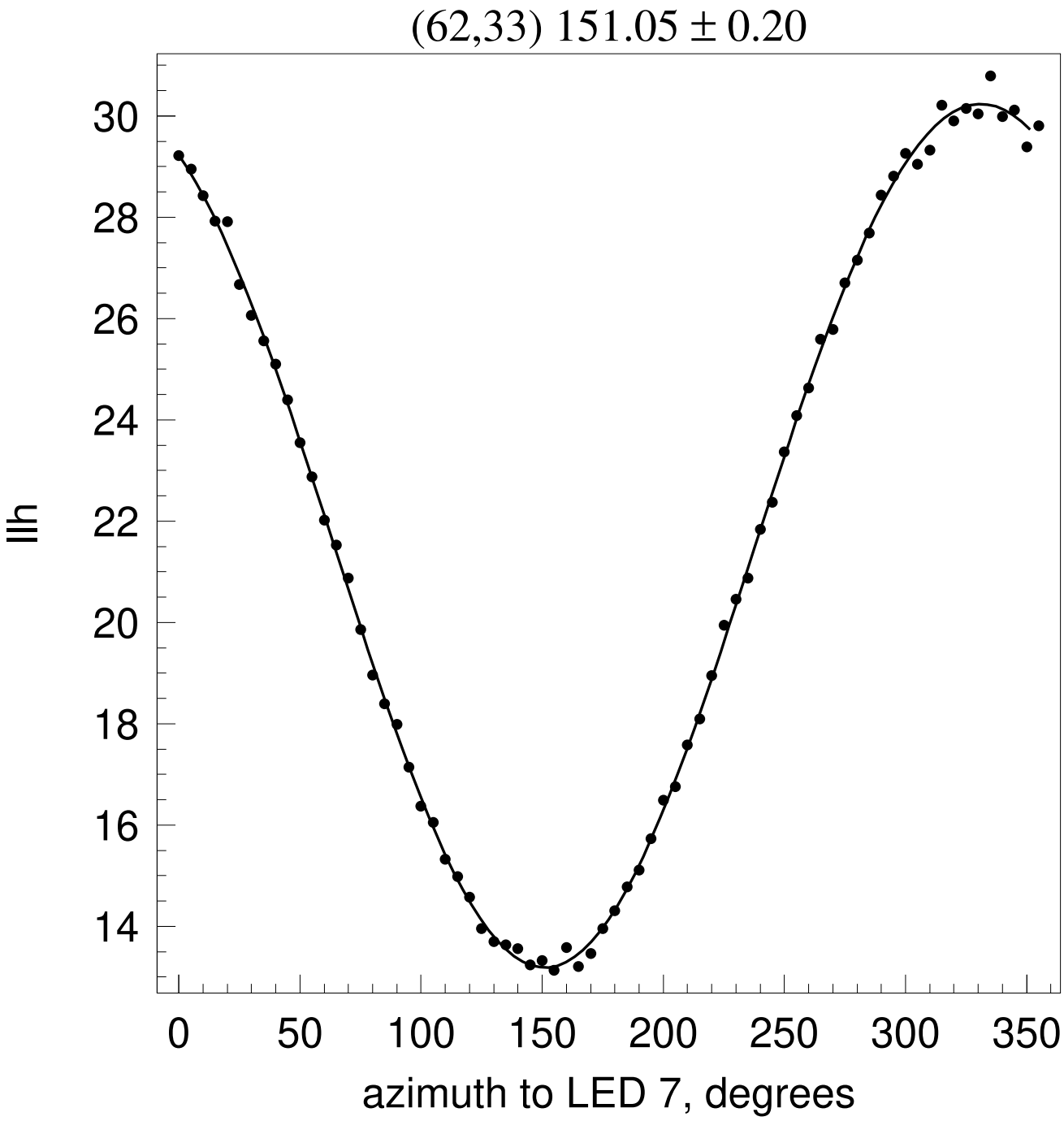

(61,33) 258.38 ± 0.24
26
24
22
20
18
16
14
12
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

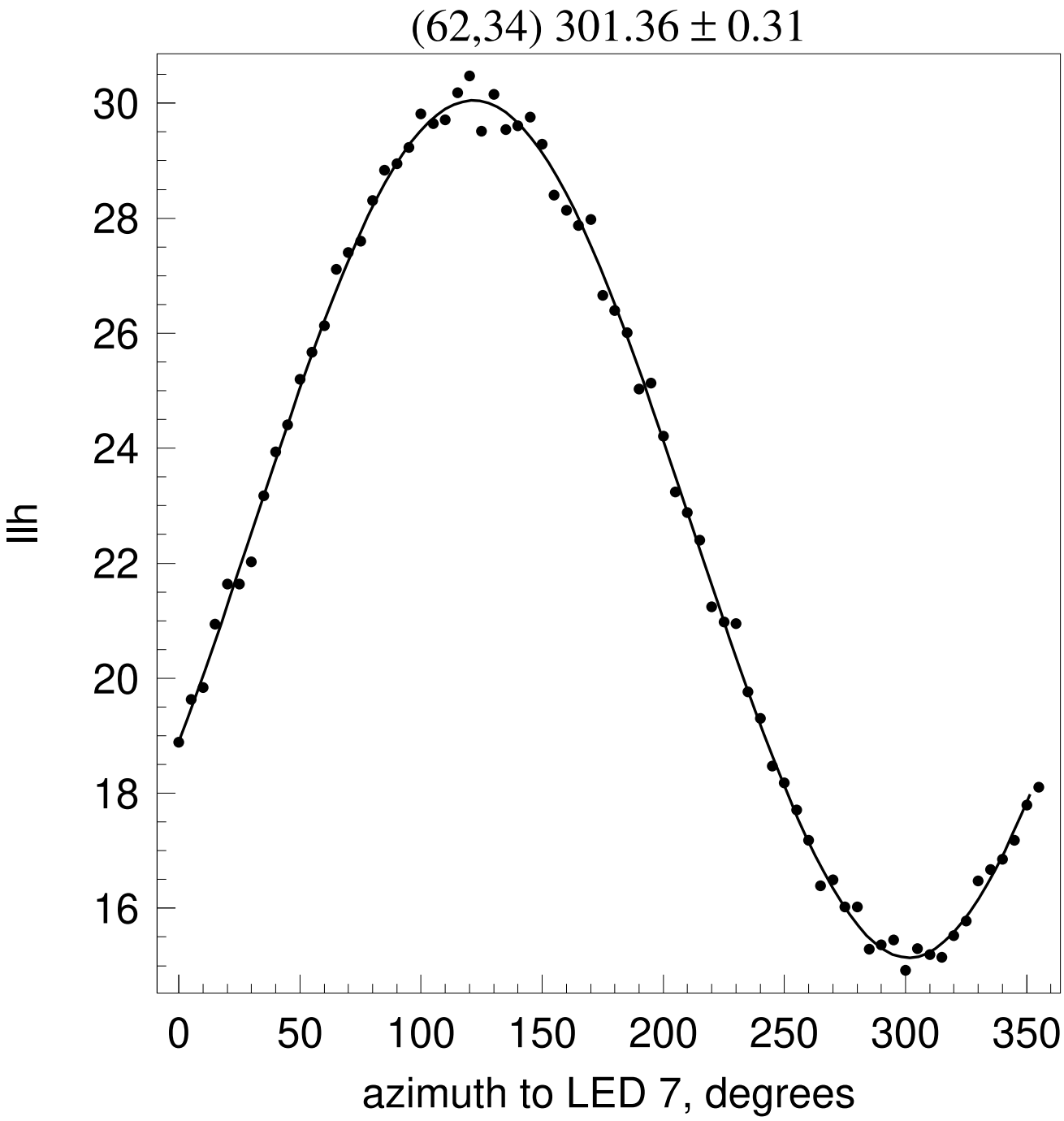

(61,34) 216.88 ± 0.42
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

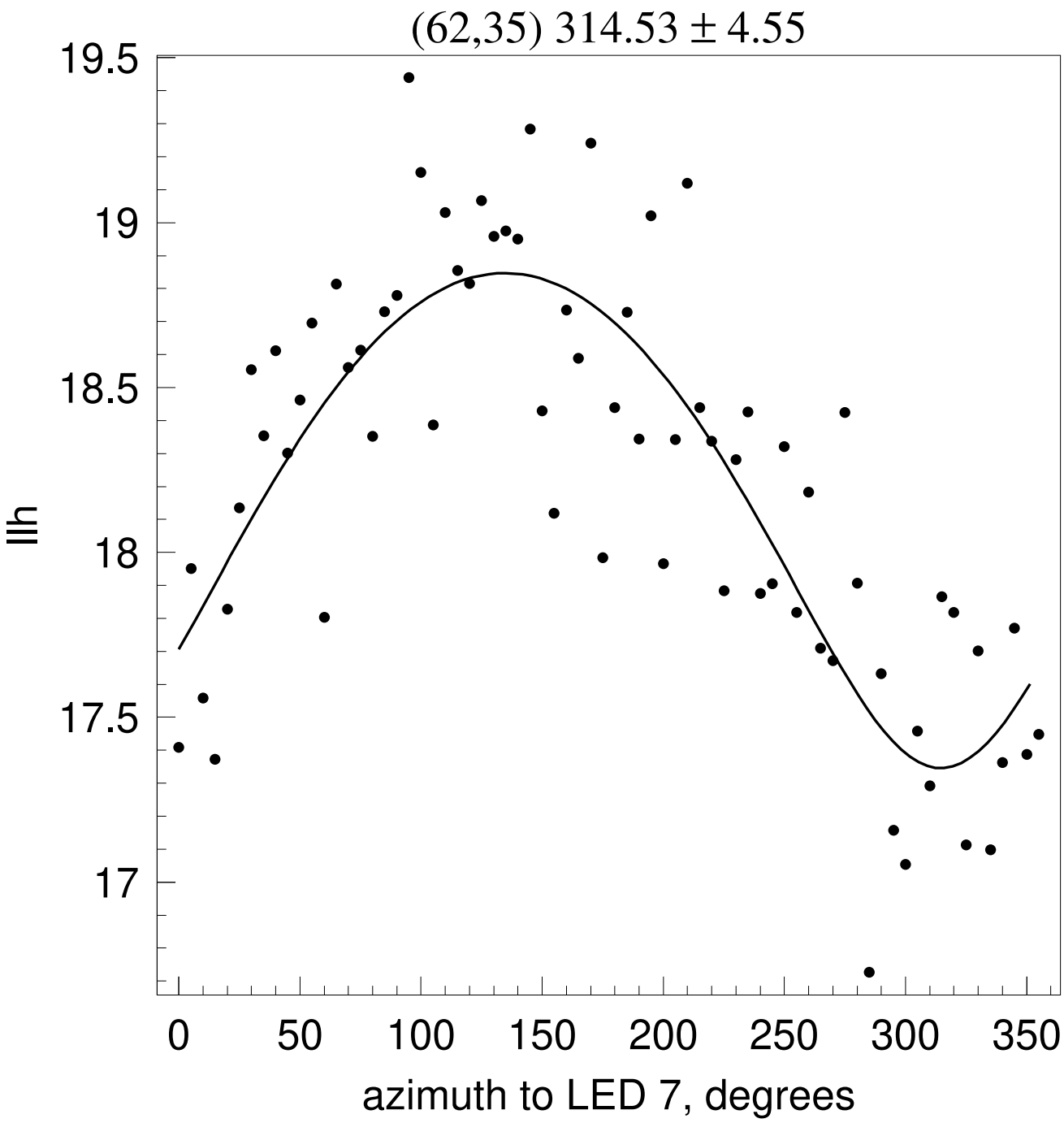

(61,35) 281.48 ± 4.94
24
23.75
23.5
23.25
23
22.75
22.5
22.25
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

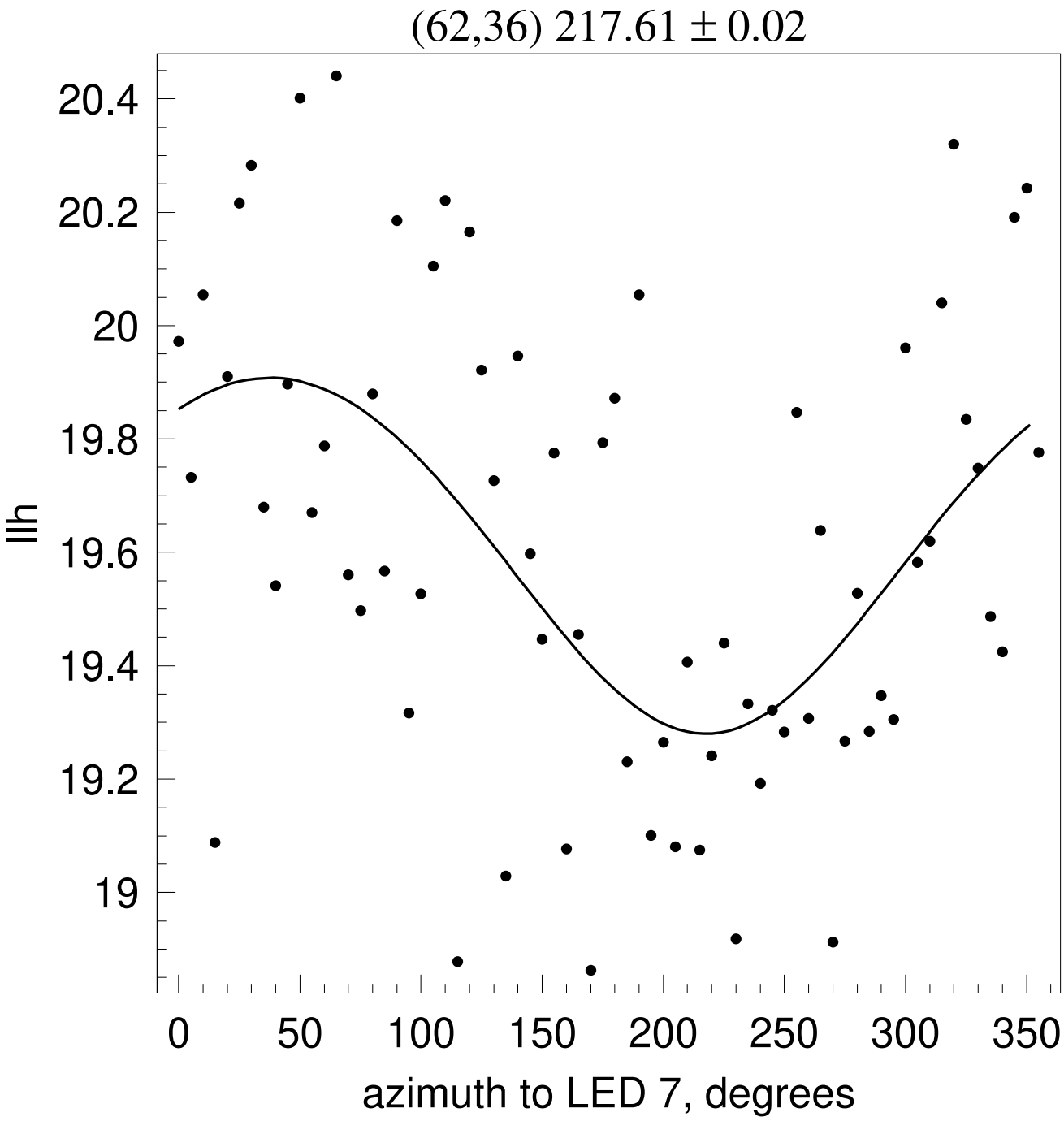

(61,36) 76.98 ± 24.84
30.5
30.25
30
29.75
29.5
29.25
29
28.75
28.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

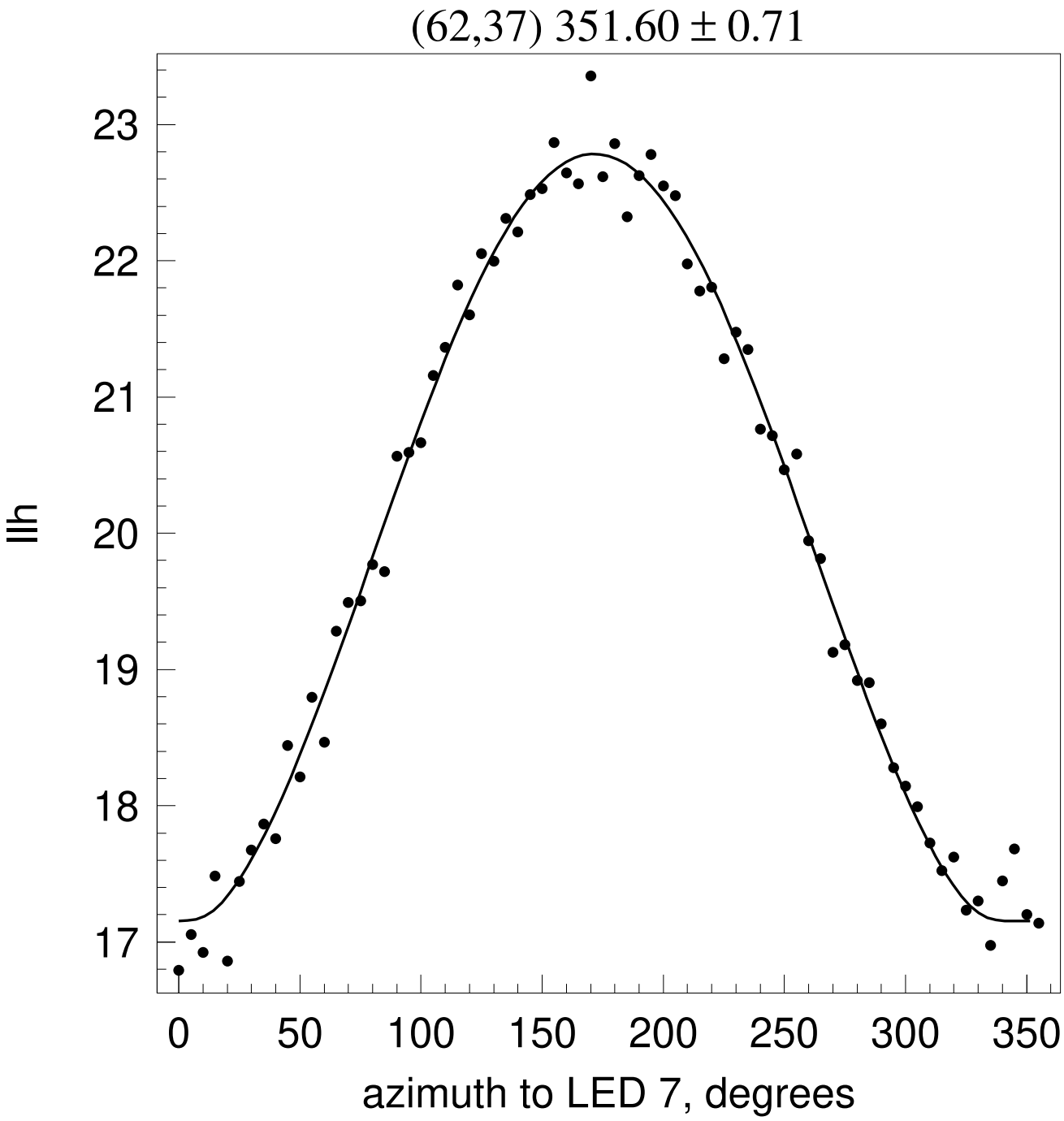

(61,37) 280.33 ± 0.59
21
20
19
18
17
16
15
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

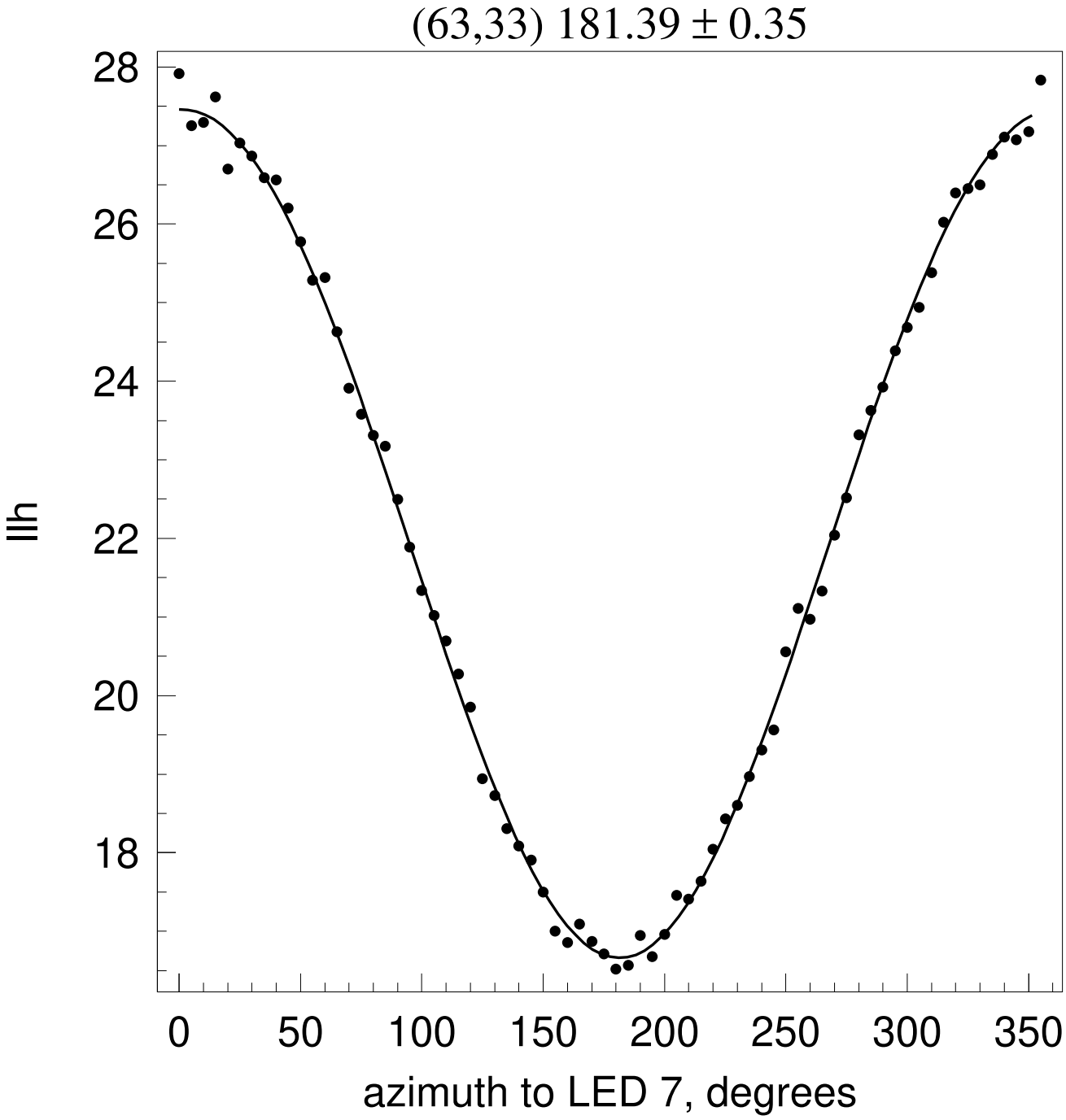

(62,33) 151.05 ± 0.20
30
28
26
24
22
20
18
16
14
lln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

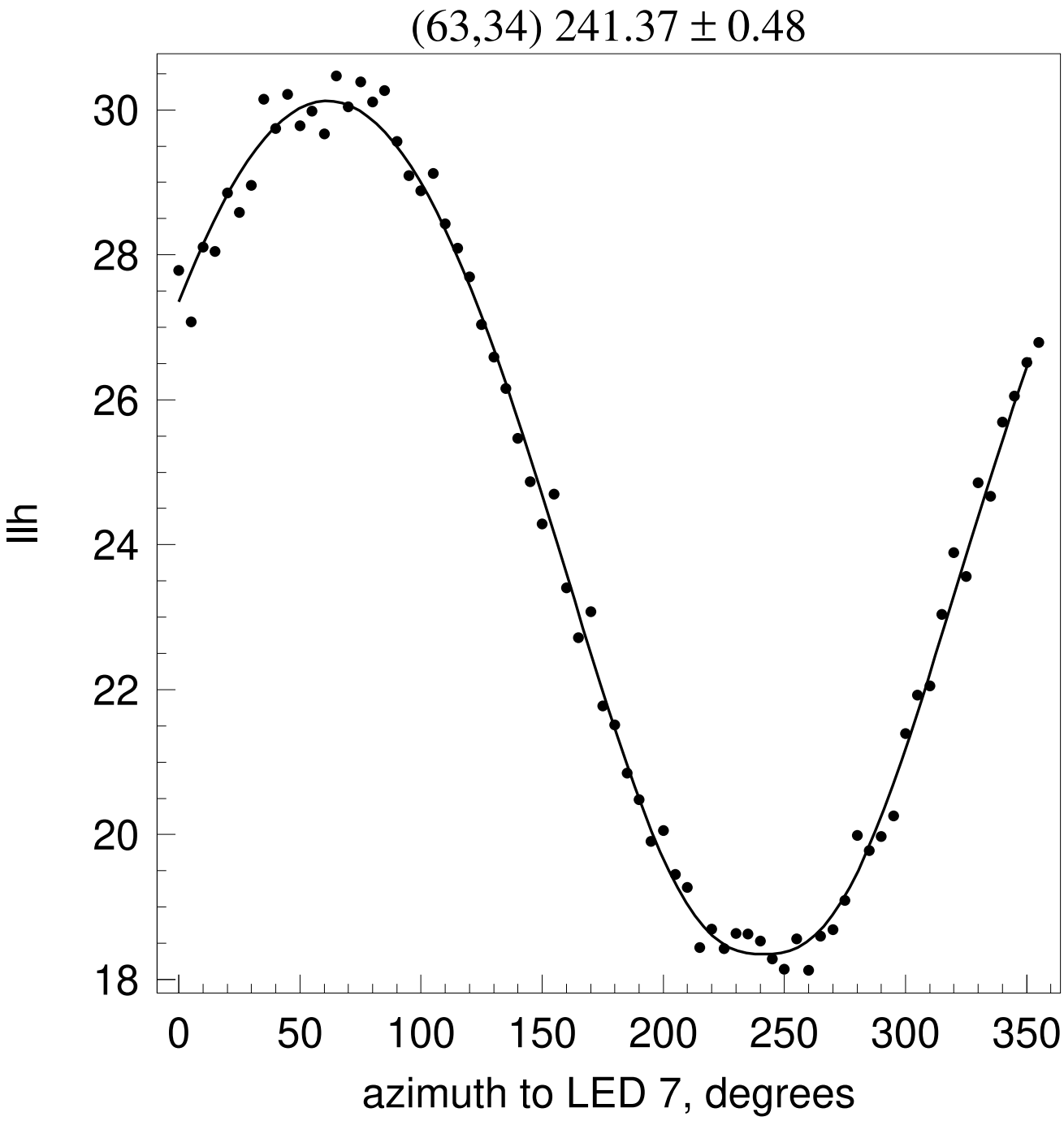

(62,34) 301.36 ± 0.31
30
28
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

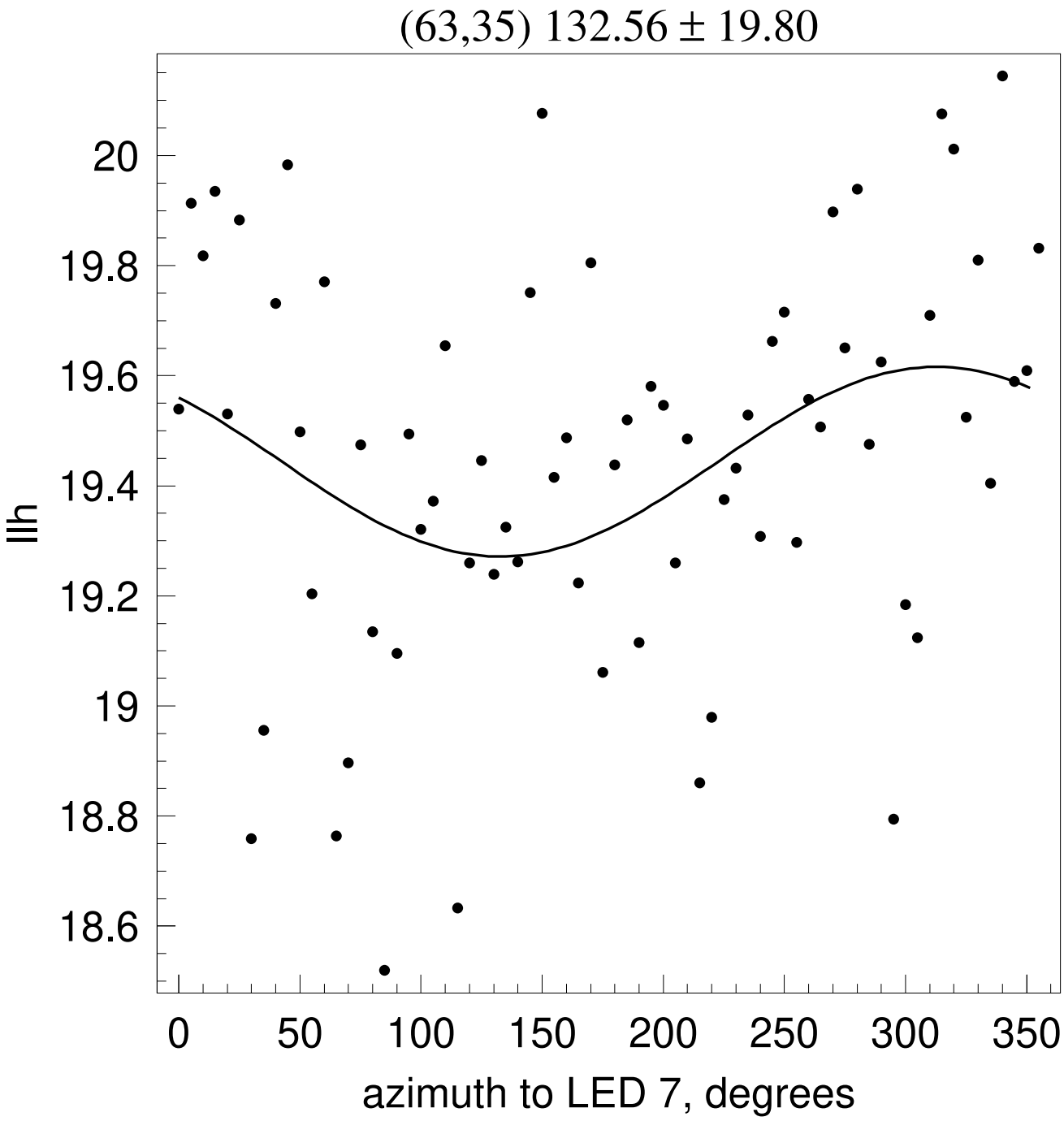

(62,35) 314.53 ± 4.55
19.5
19
18.5
18
17.5
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

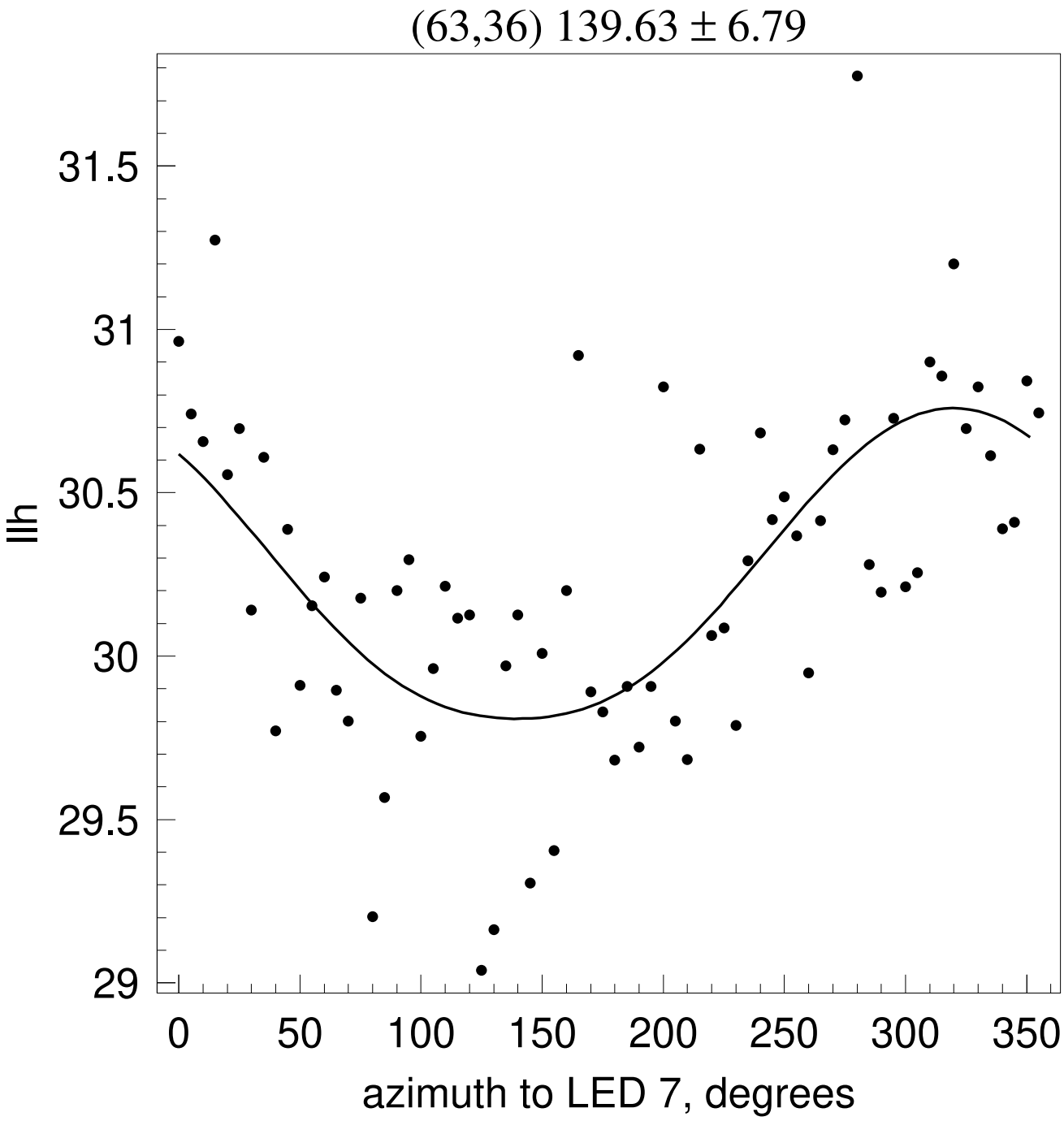

(62,36) 217.61 ± 0.02
20.4
20.2
20
19.8
19.6
19.4
19.2
19
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

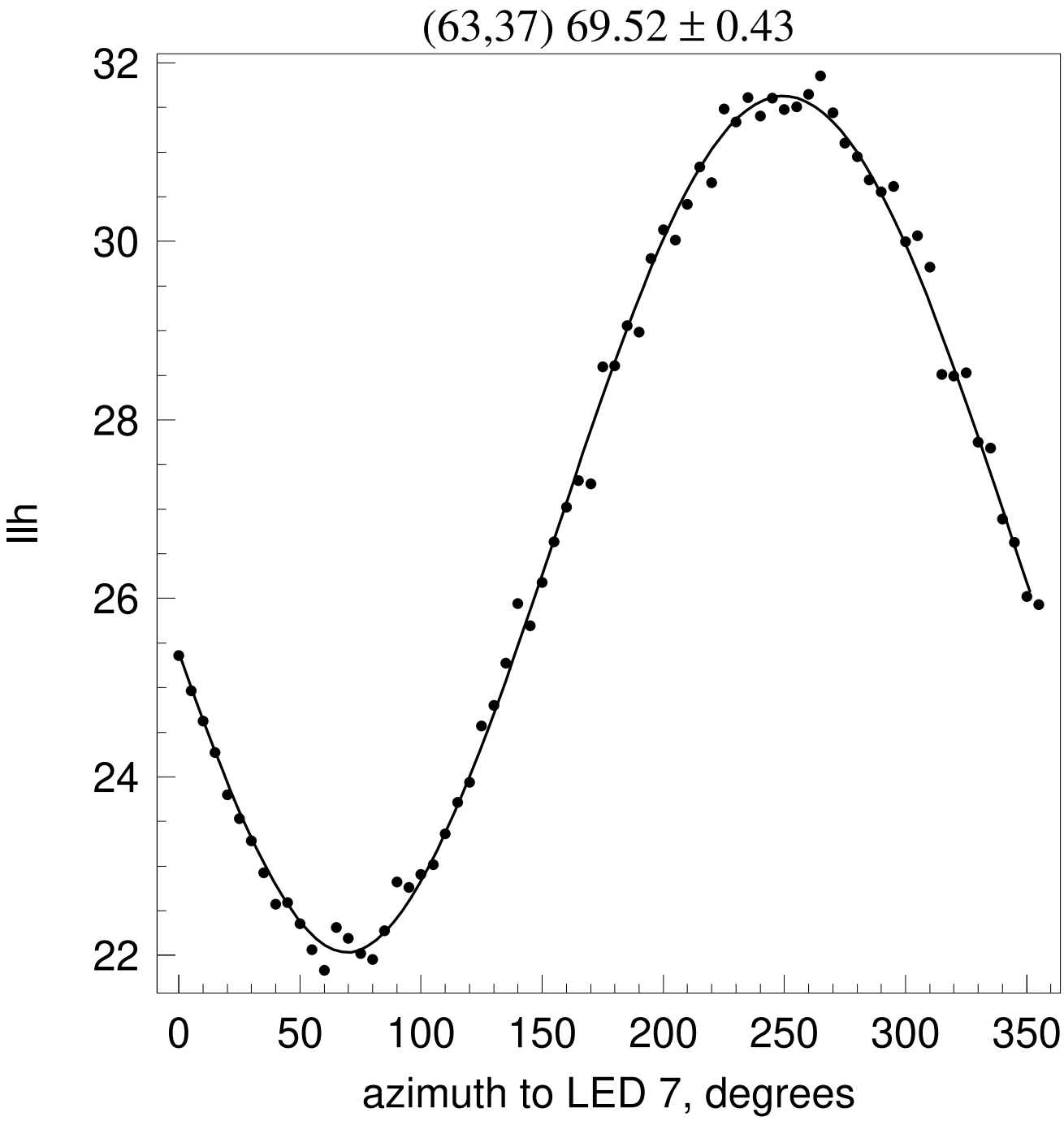

(62,37) 351.60 ± 0.71
23
22
21
20
19
18
17
lln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

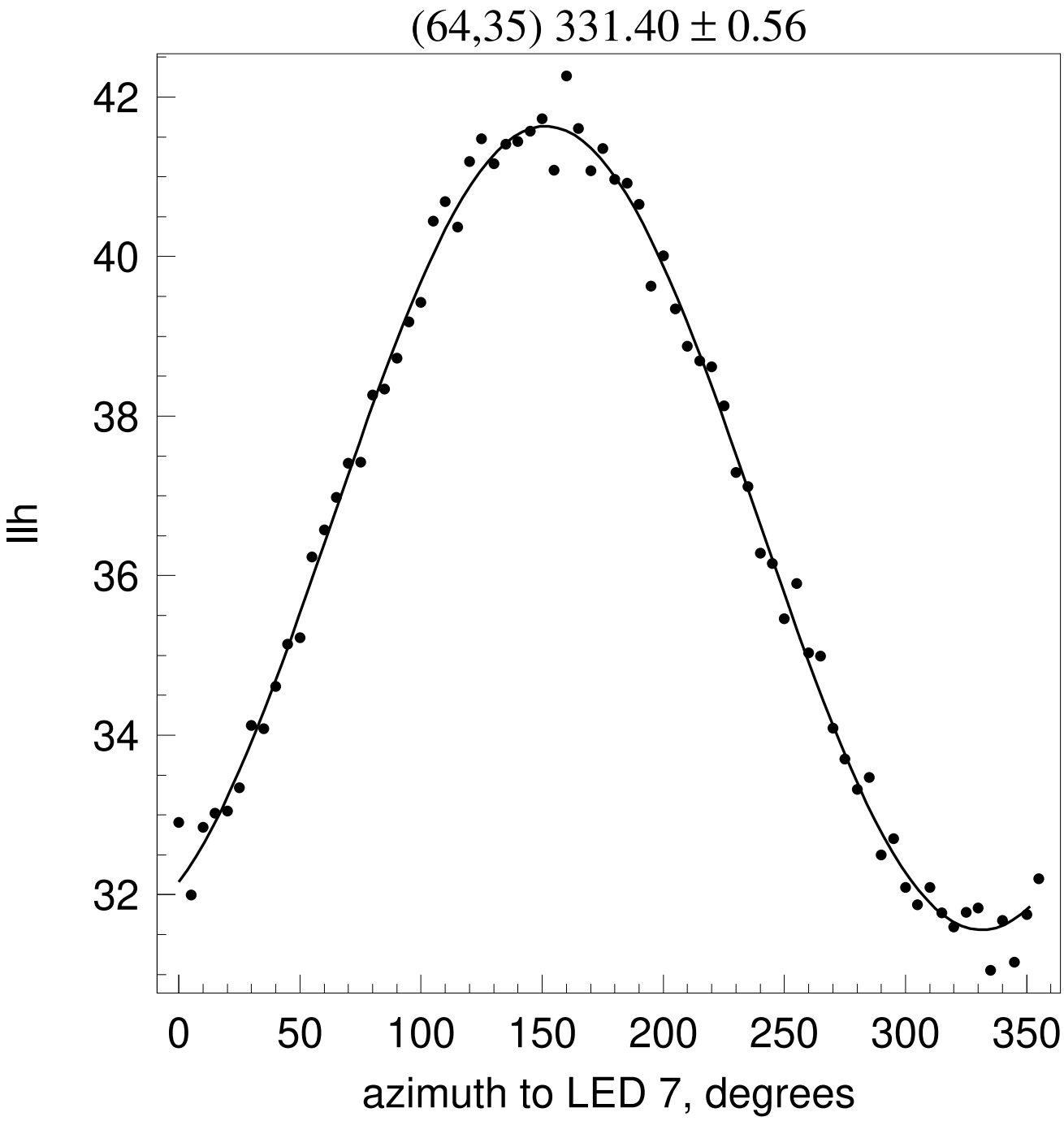

(63,33) 181.39 ± 0.35
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

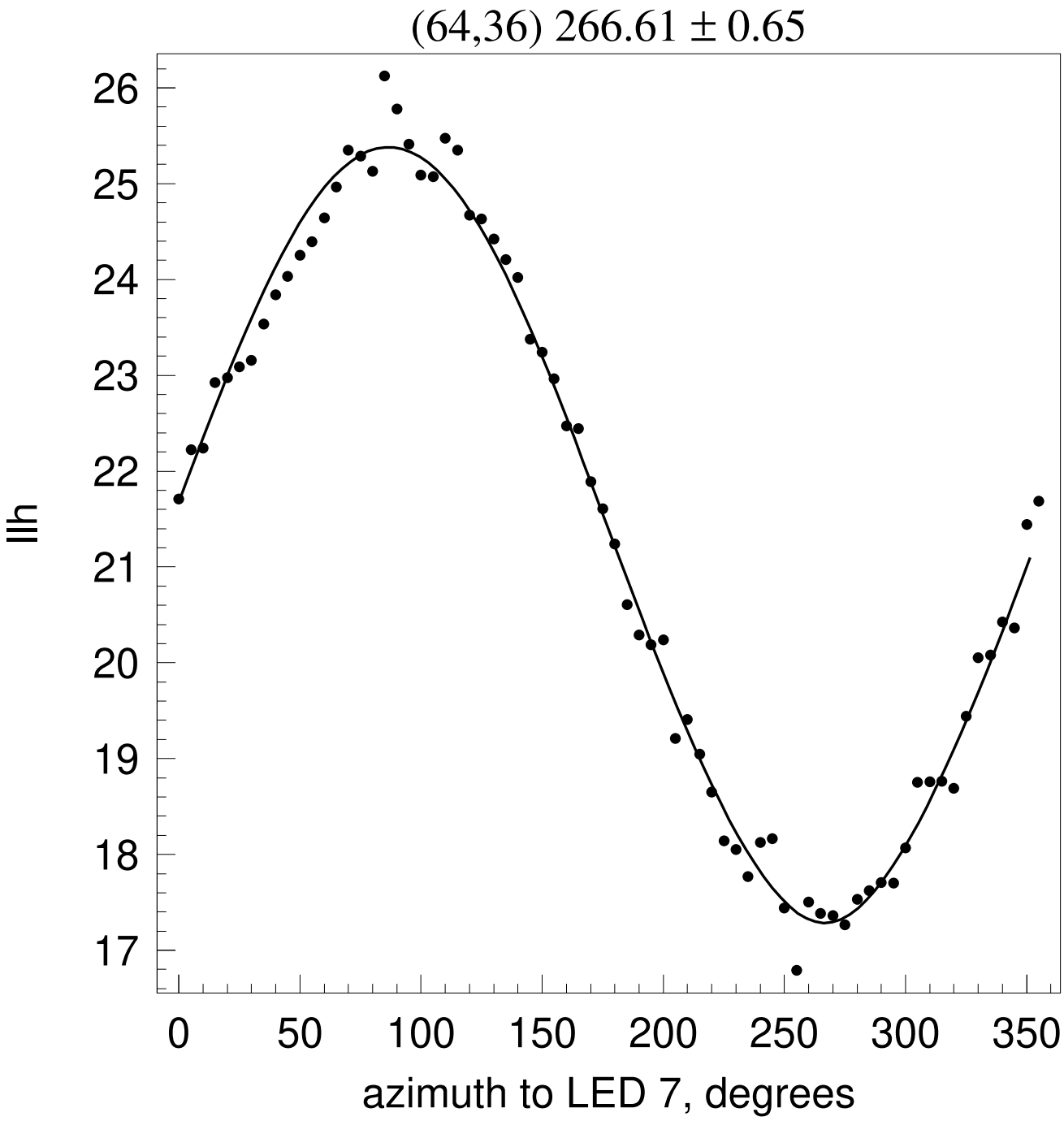

(63,34) 241.37 ± 0.48
30
28
26
24
22
20
18
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

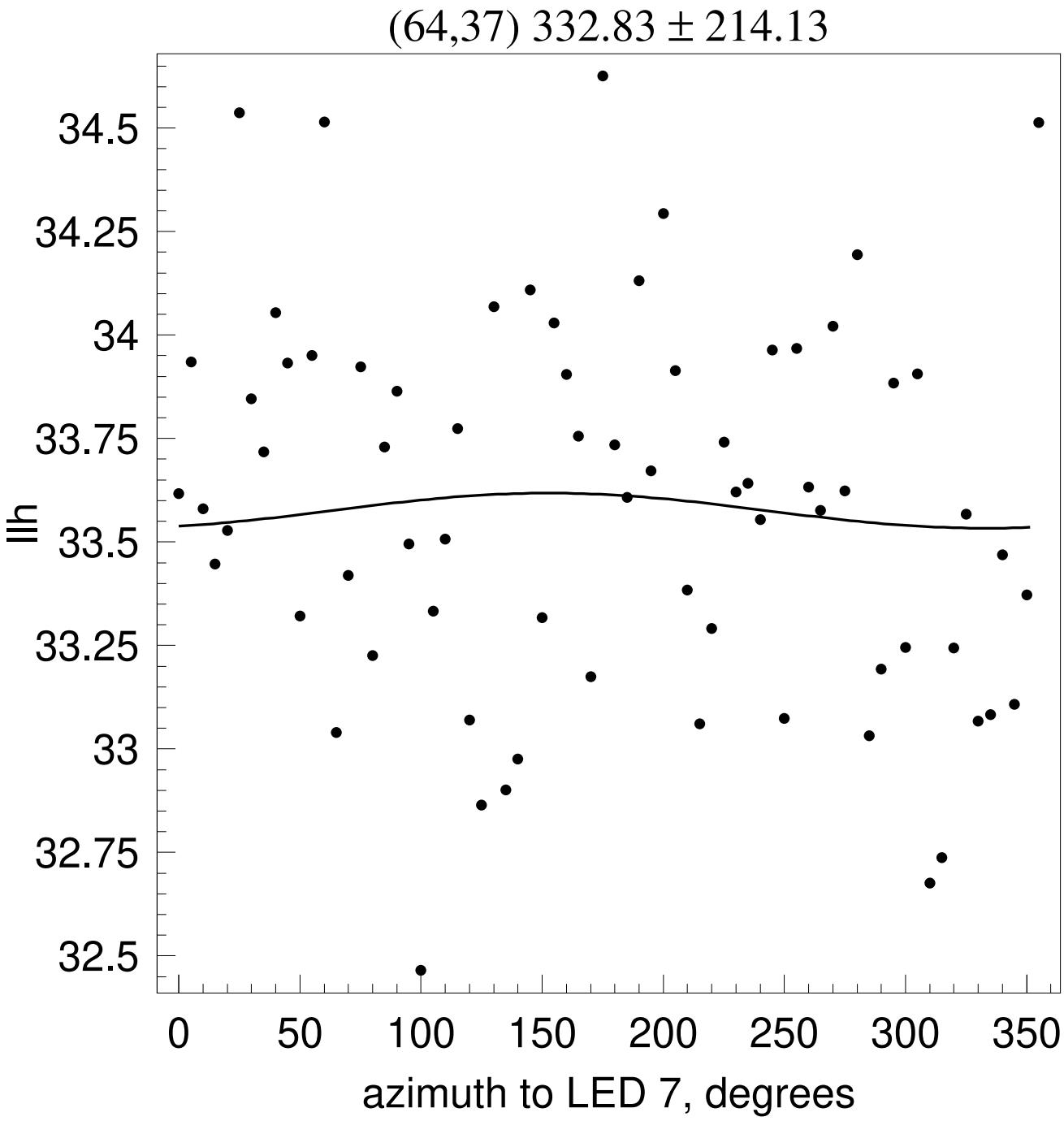

(63,35) 132.56 ± 19.80
llh
20
19.8
19.6
19.4
19.2
19
18.8
18.6
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

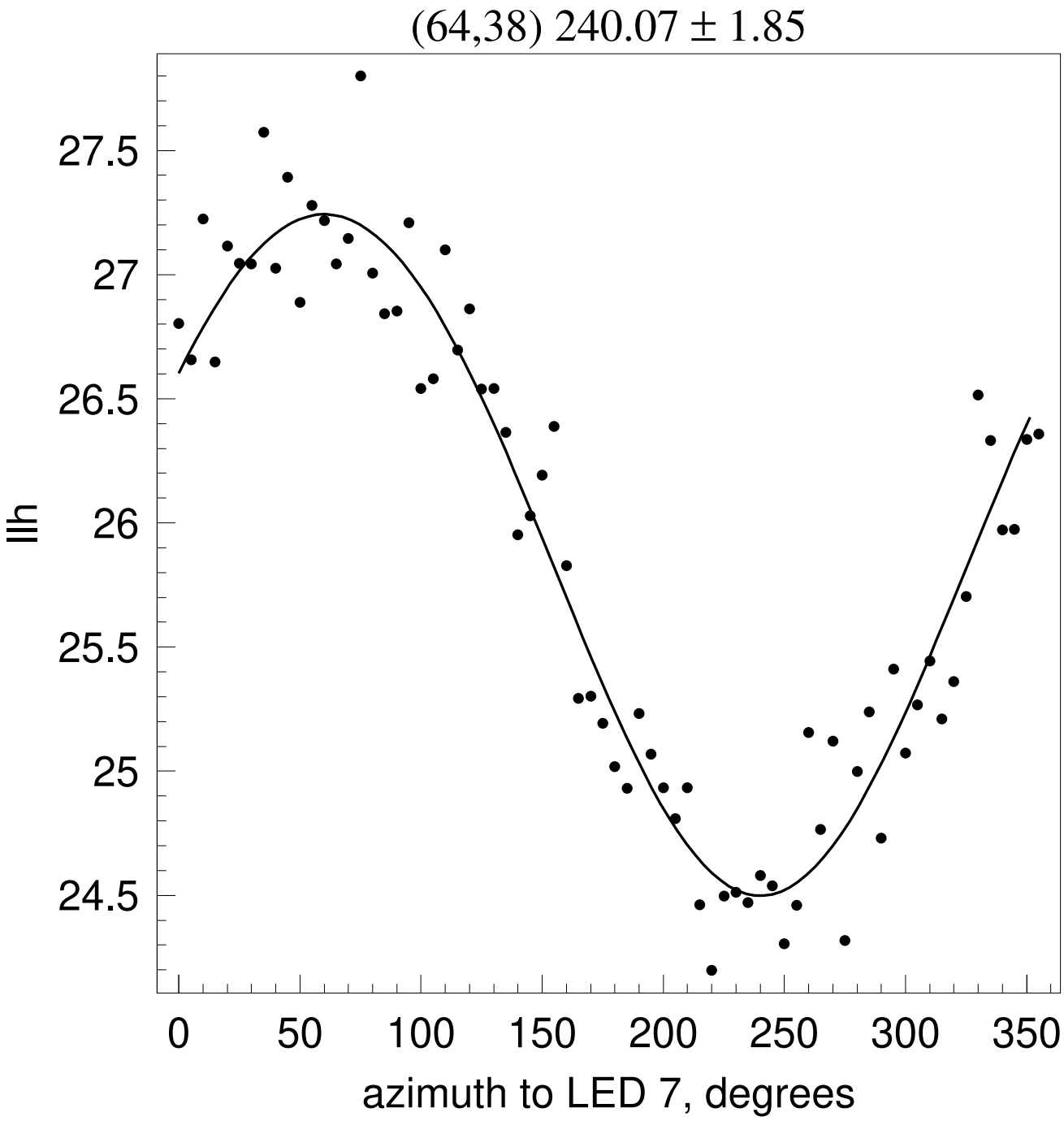

(63,36) 139.63 ± 6.79
31.5
31
30.5
30
29.5
29
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

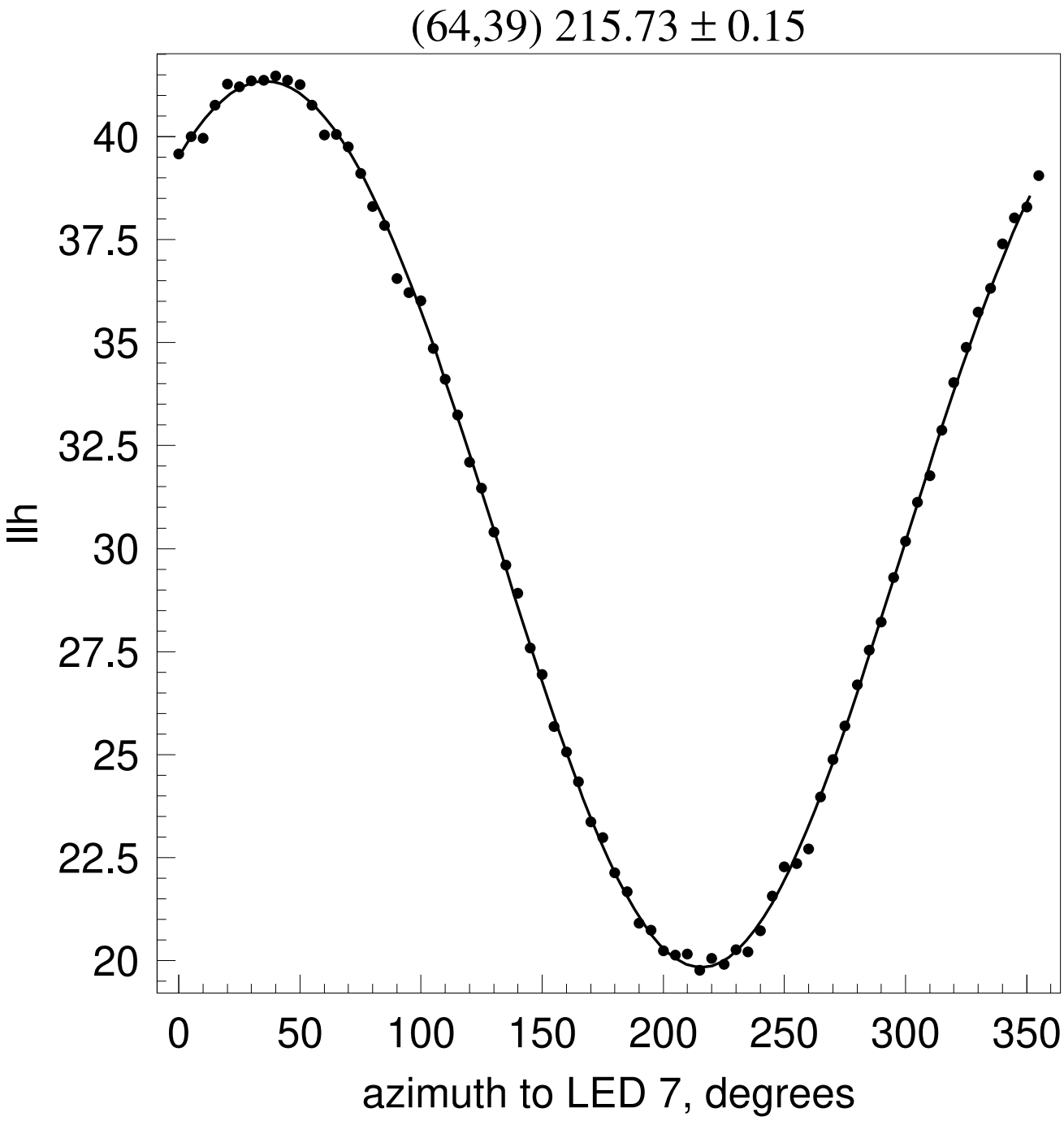

(63,37) 69.52 ± 0.43
32
30
28
26
24
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

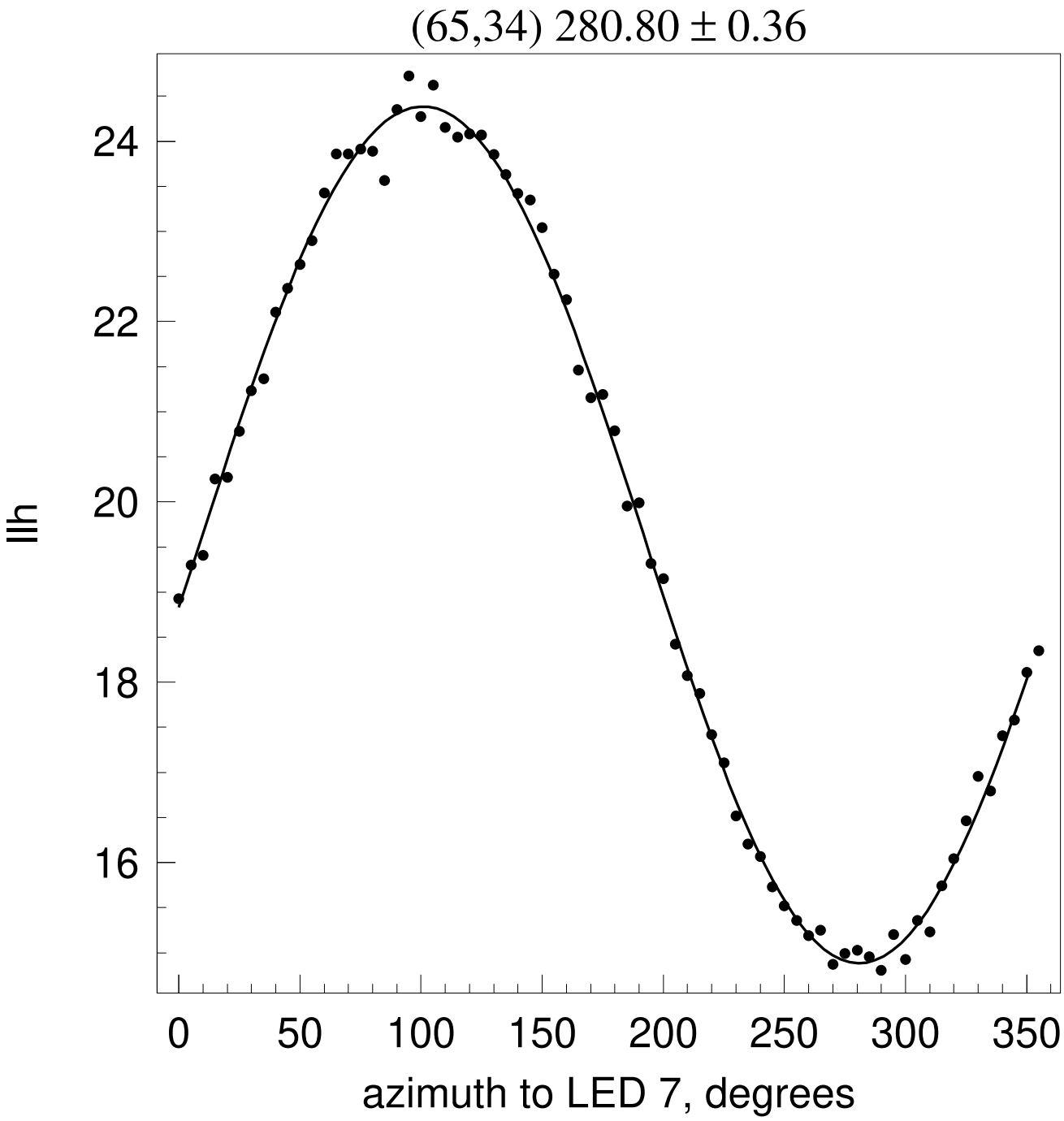

(64,35) 331.40 ± 0.56
42
40
38
36
34
32
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

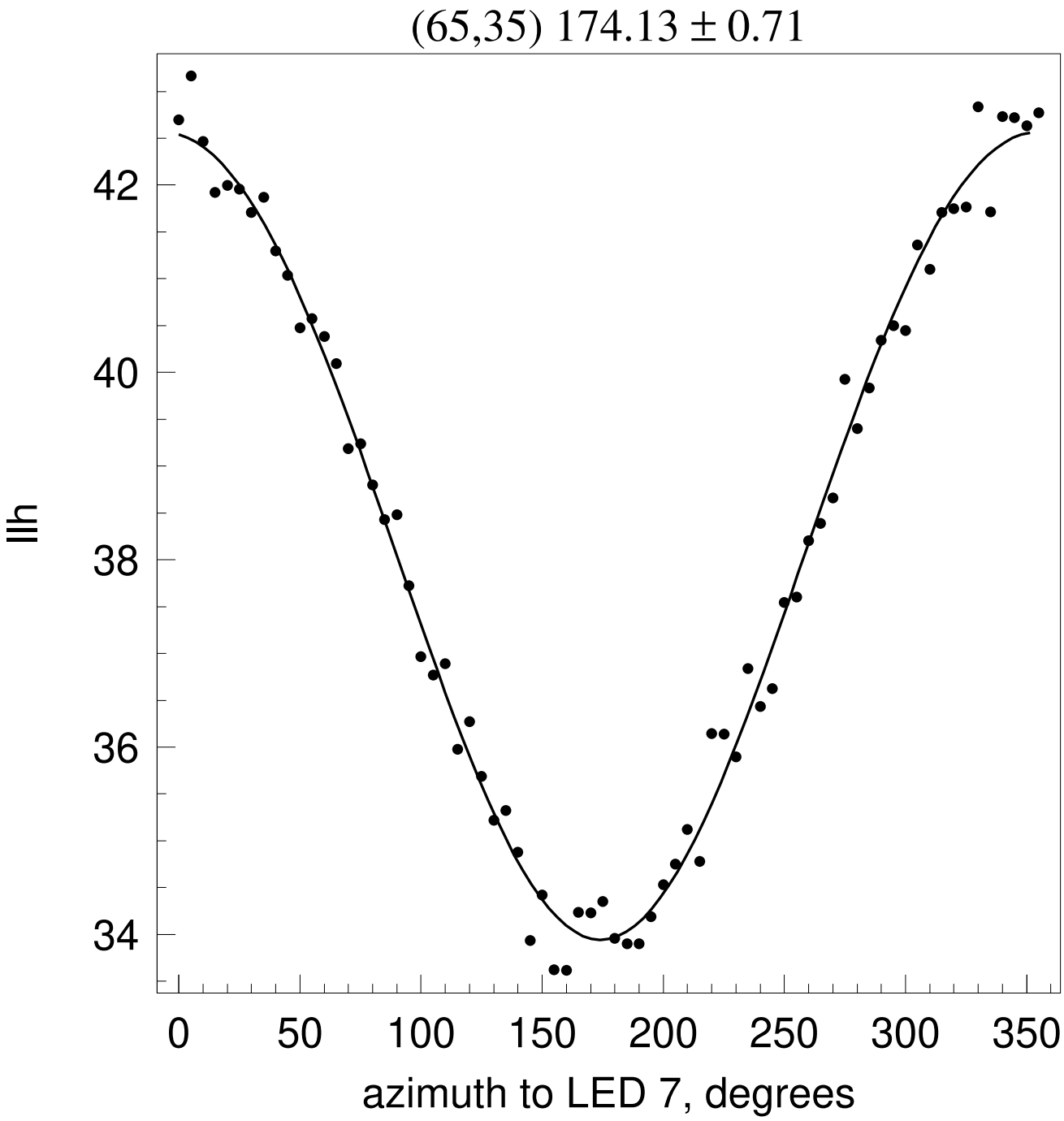

(64,36) 266.61 ± 0.65
26
25
24
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

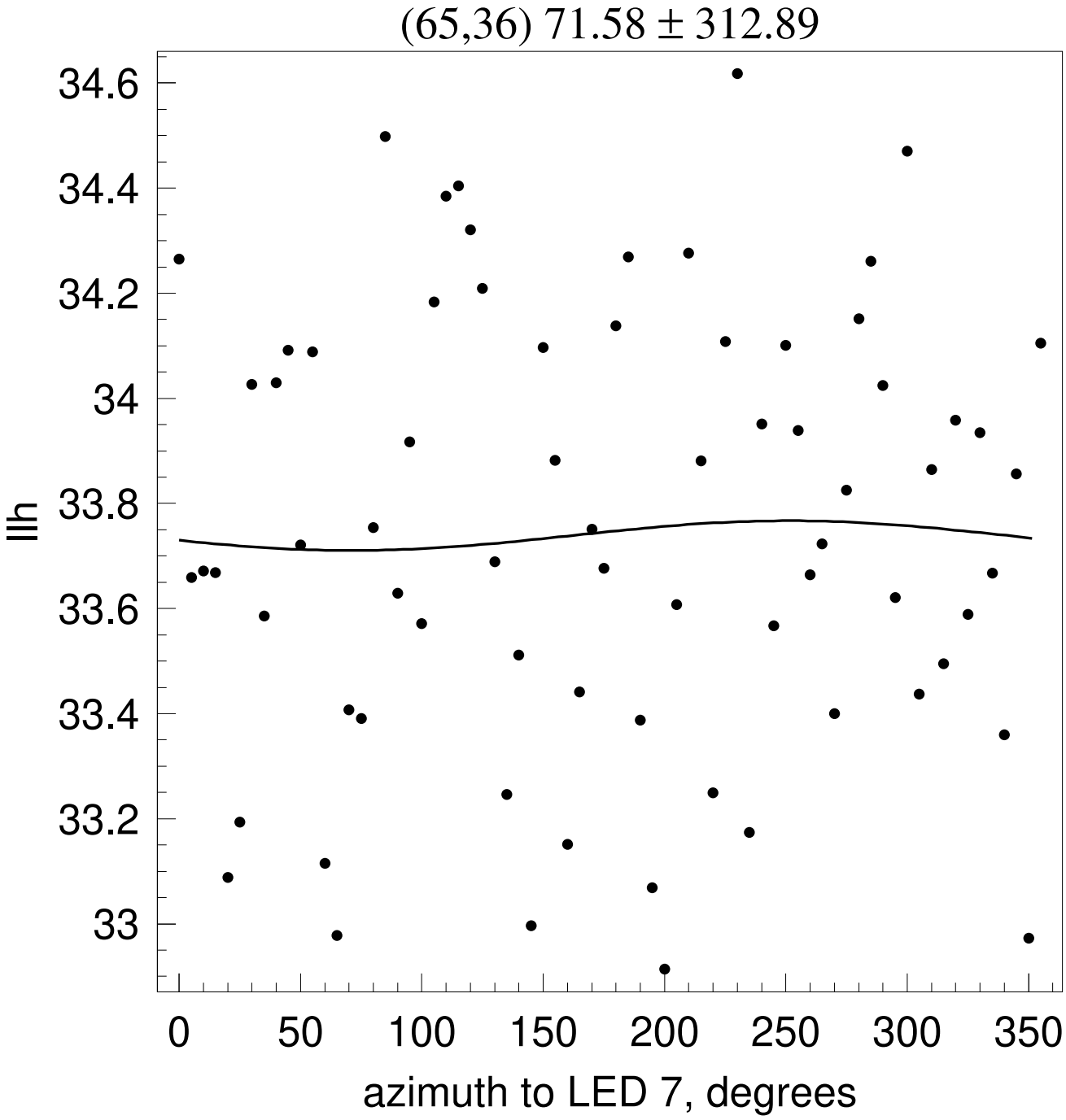

(64,37) 332.83 ± 214.13
34.5
34.25
34
33.75
33.5
33.25
33
32.75
32.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

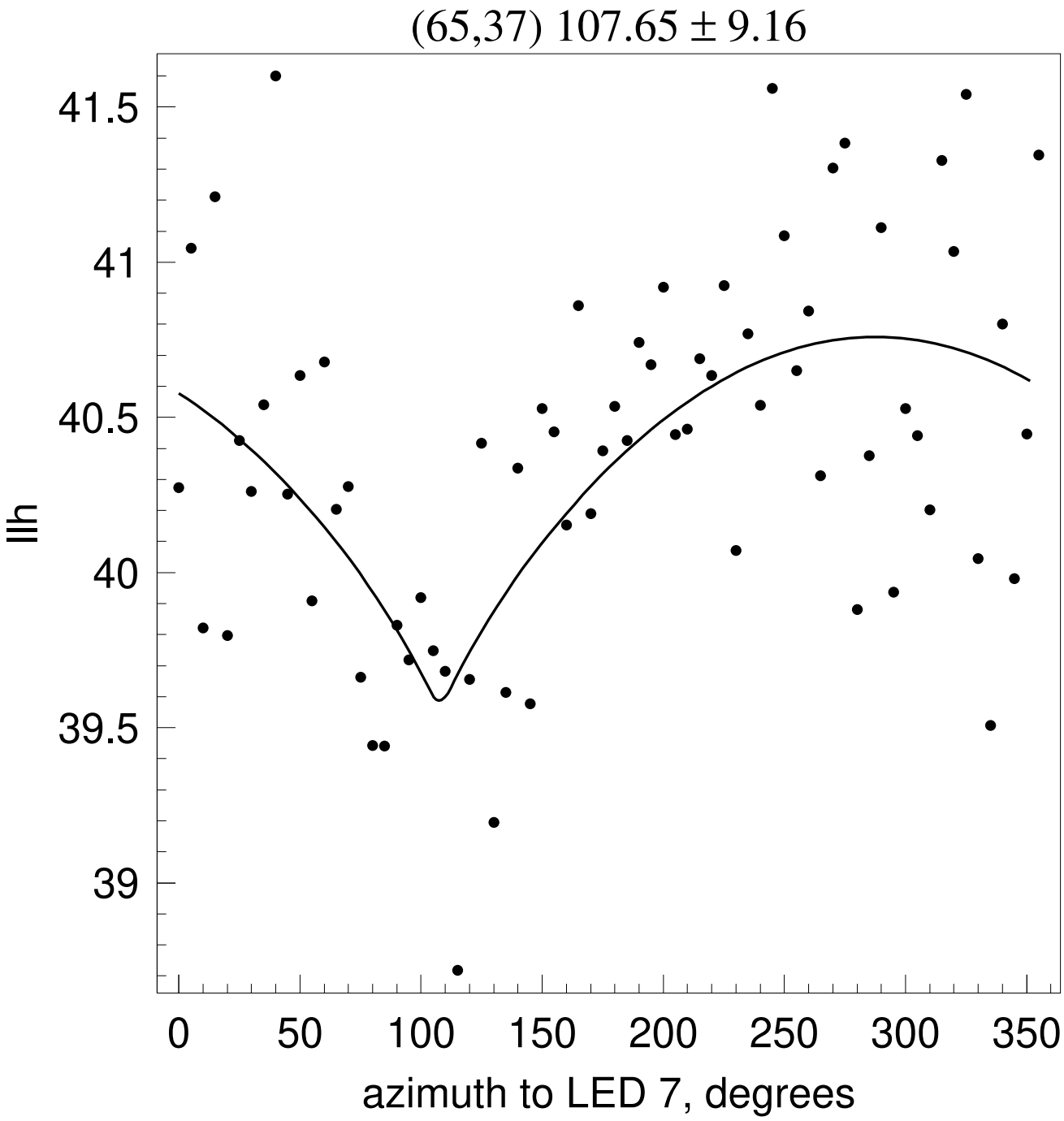

(64,38) 240.07 ± 1.85
27.5
27
26.5
26
25.5
25
24.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

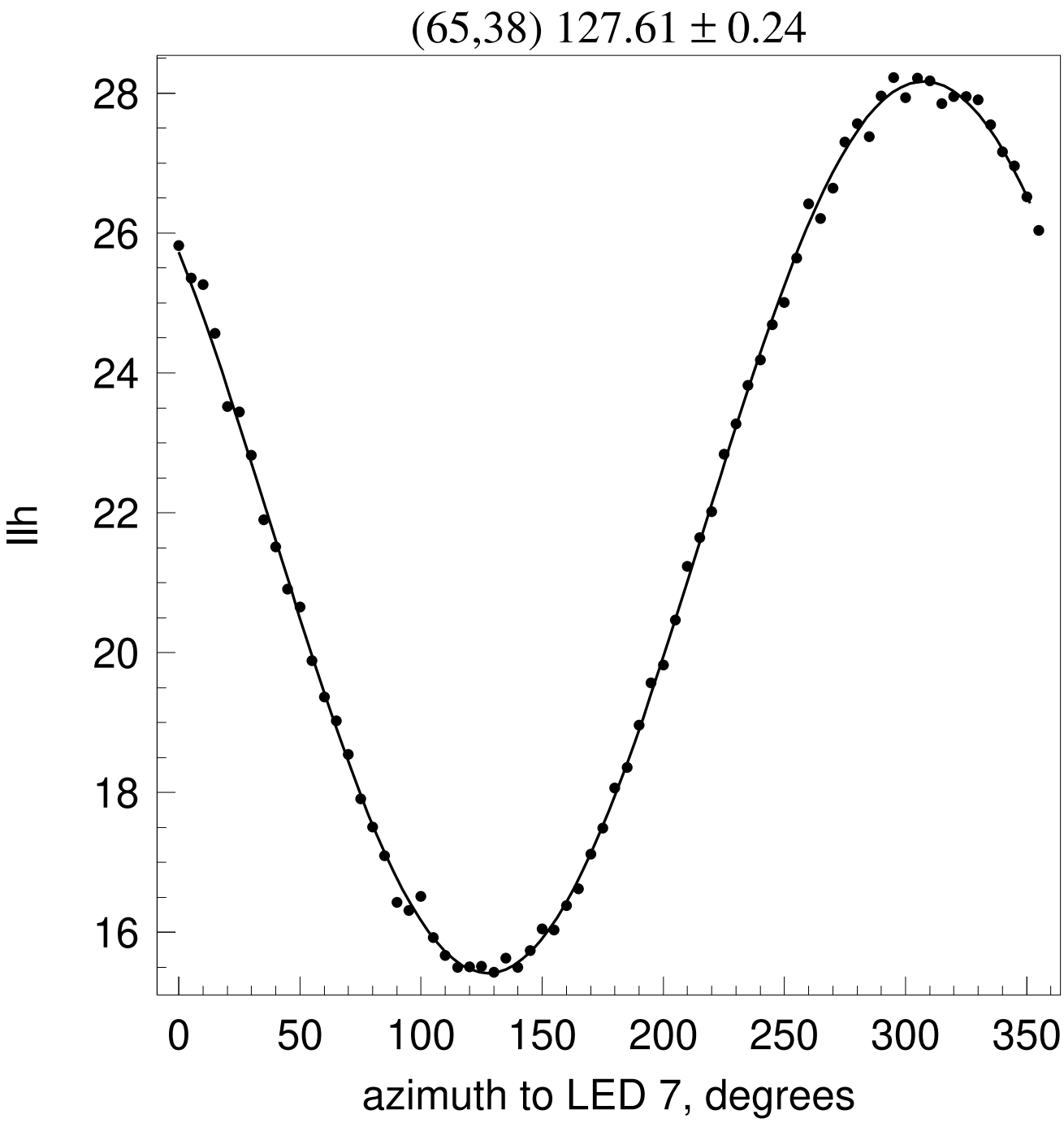

(64,39) 215.73 ± 0.15
40
37.5
35
32.5
30
27.5
25
22.5
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

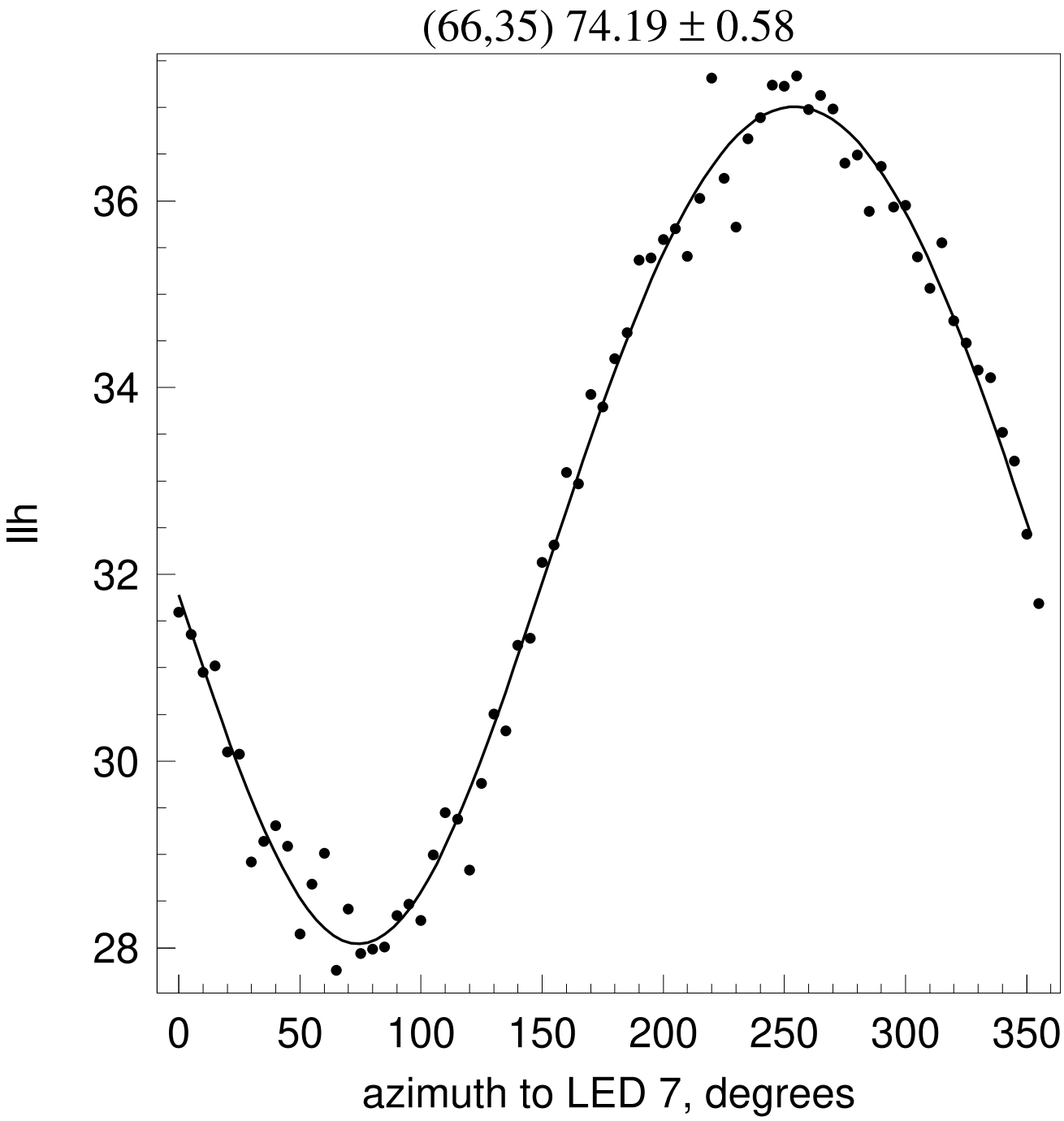

(65,34) 280.80 ± 0.36
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

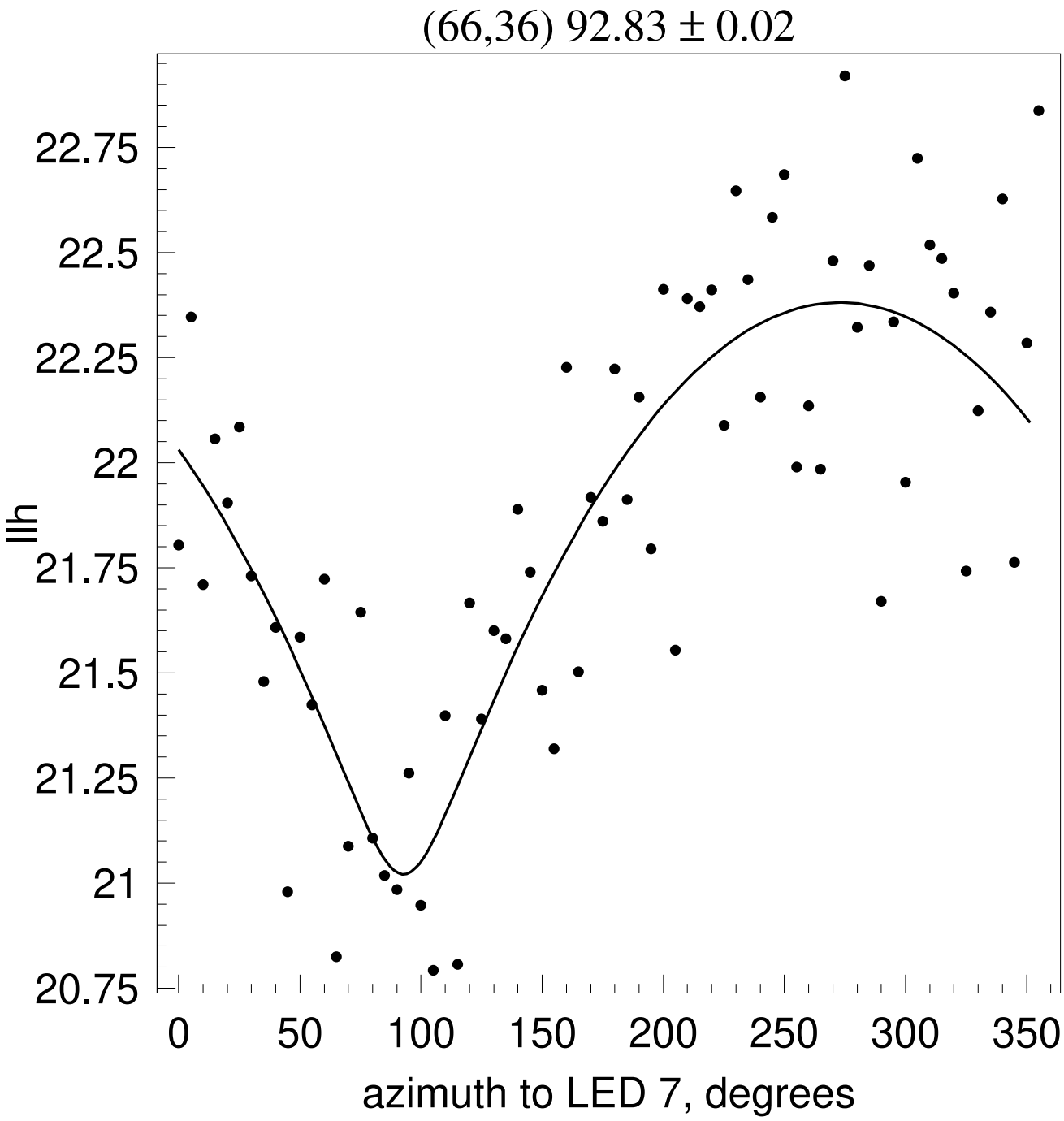

(65,35) 174.13 ± 0.71
42
40
38
36
34
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

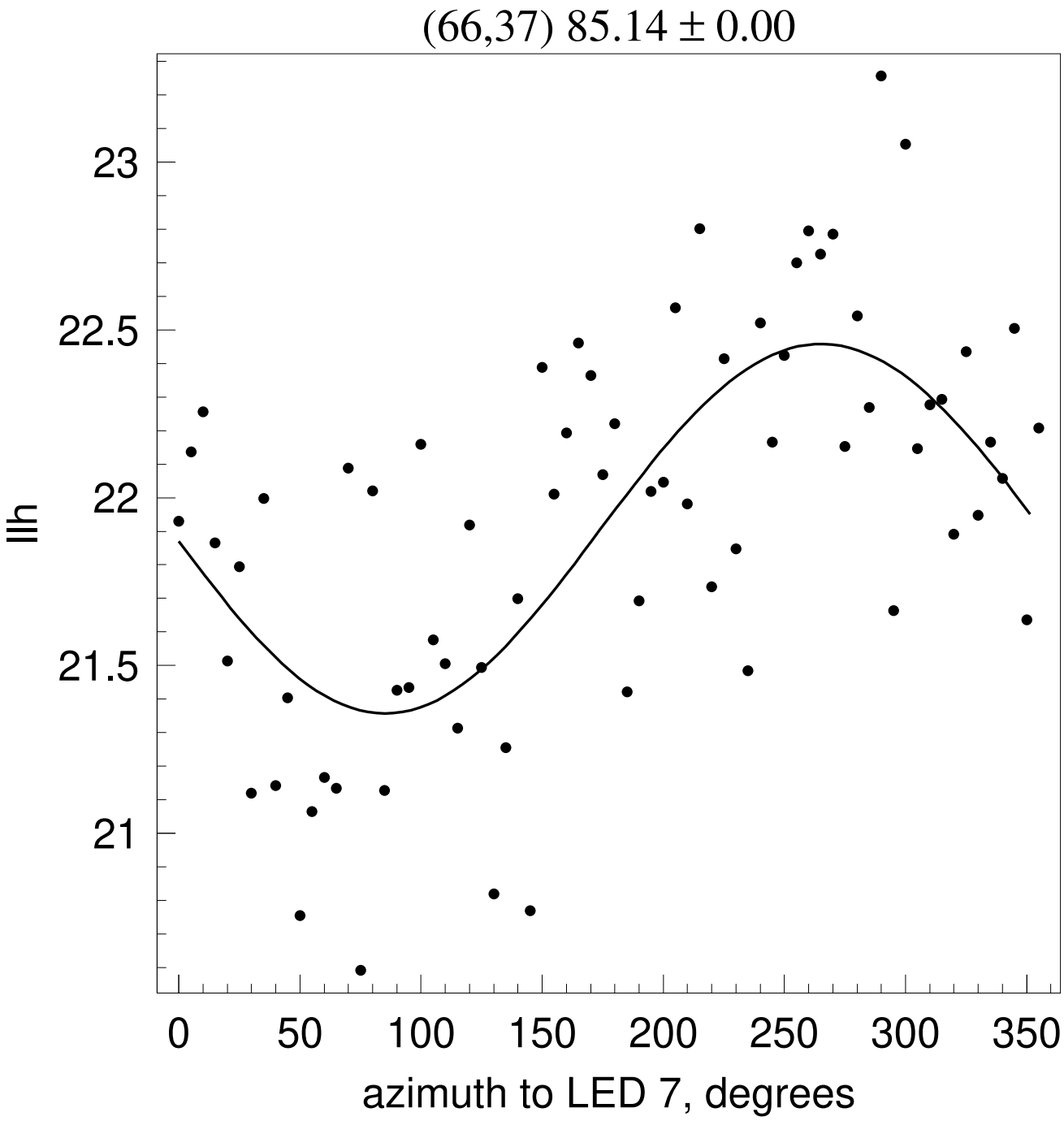

(65,36) 71.58 ± 312.89
34.6
34.4
34.2
34
33.8
33.6
33.4
33.2
33
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

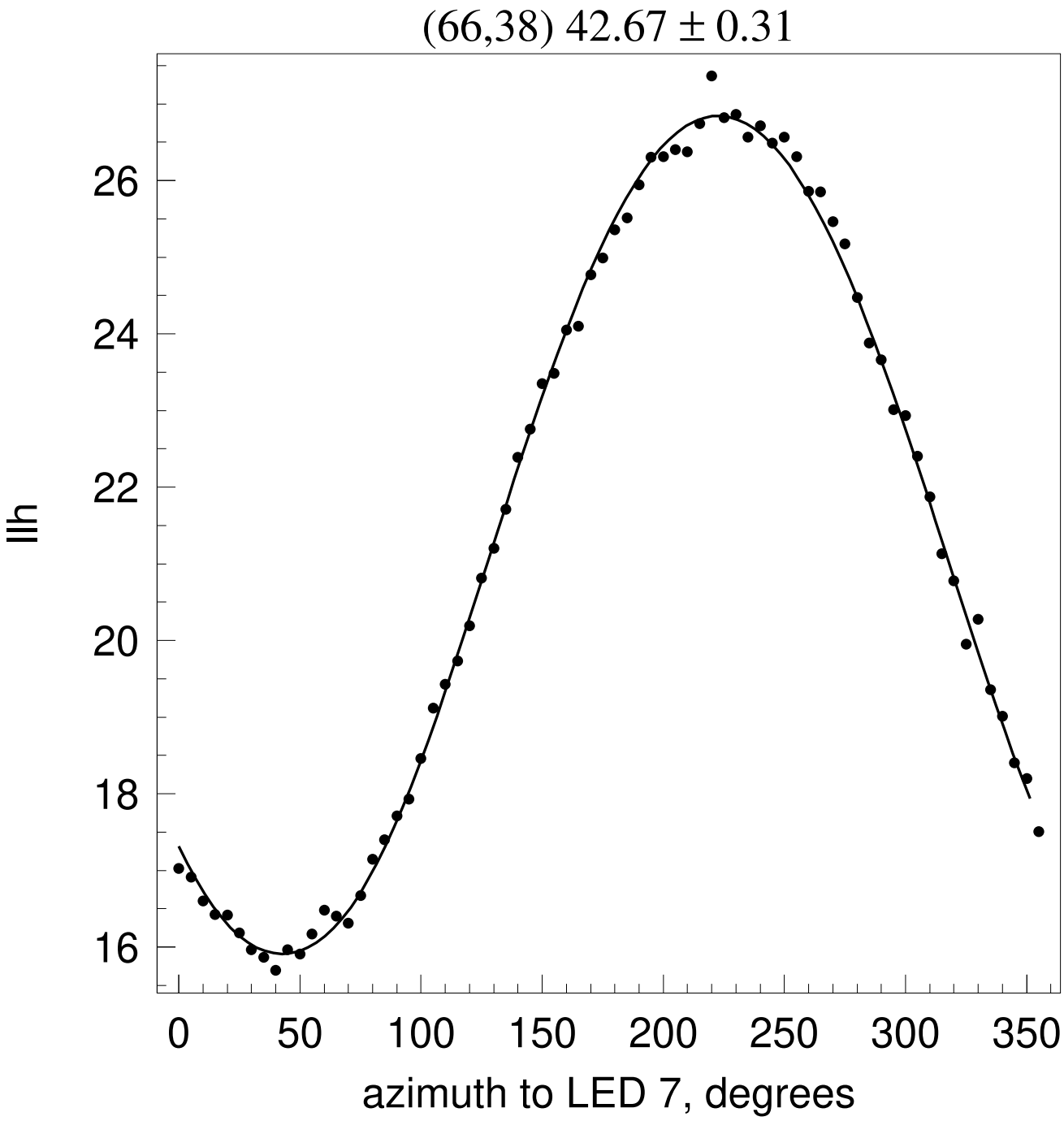

(65,37) 107.65 ± 9.16
41.5
41
40.5
40
39.5
39
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

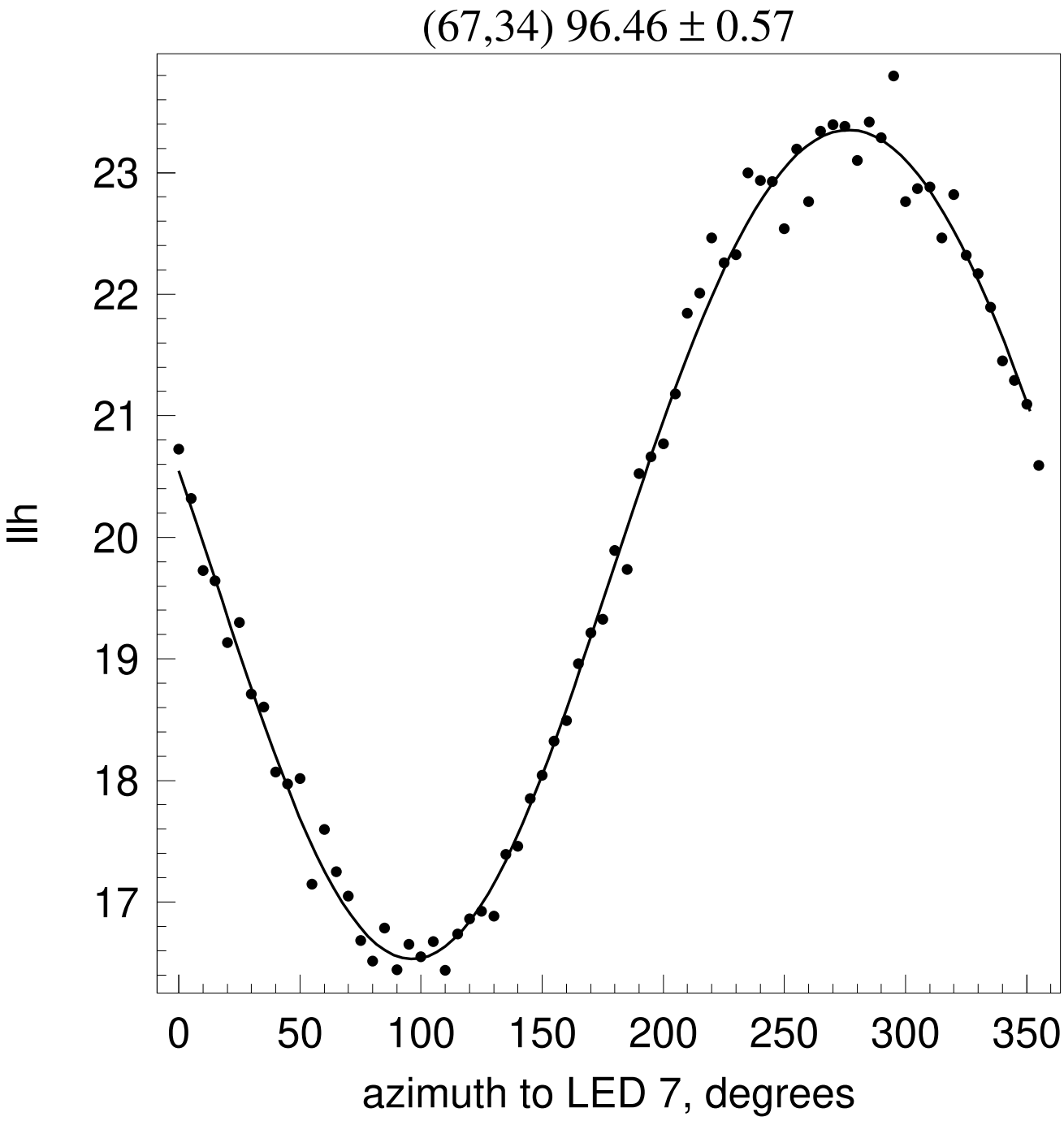

(65,38) 127.61 ± 0.24
28
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

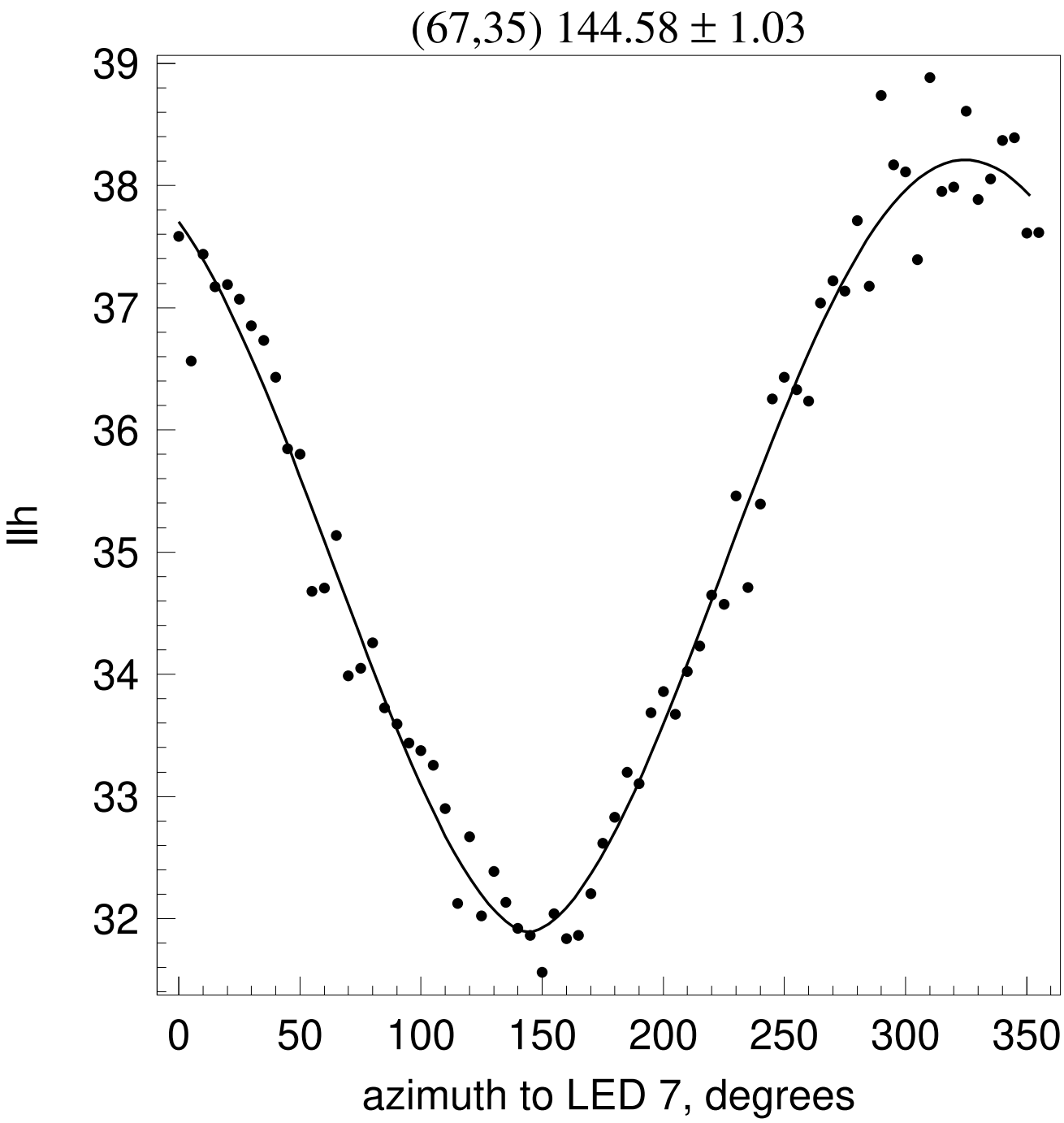

(66,35) 74.19 ± 0.58
36
34
32
30
28
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

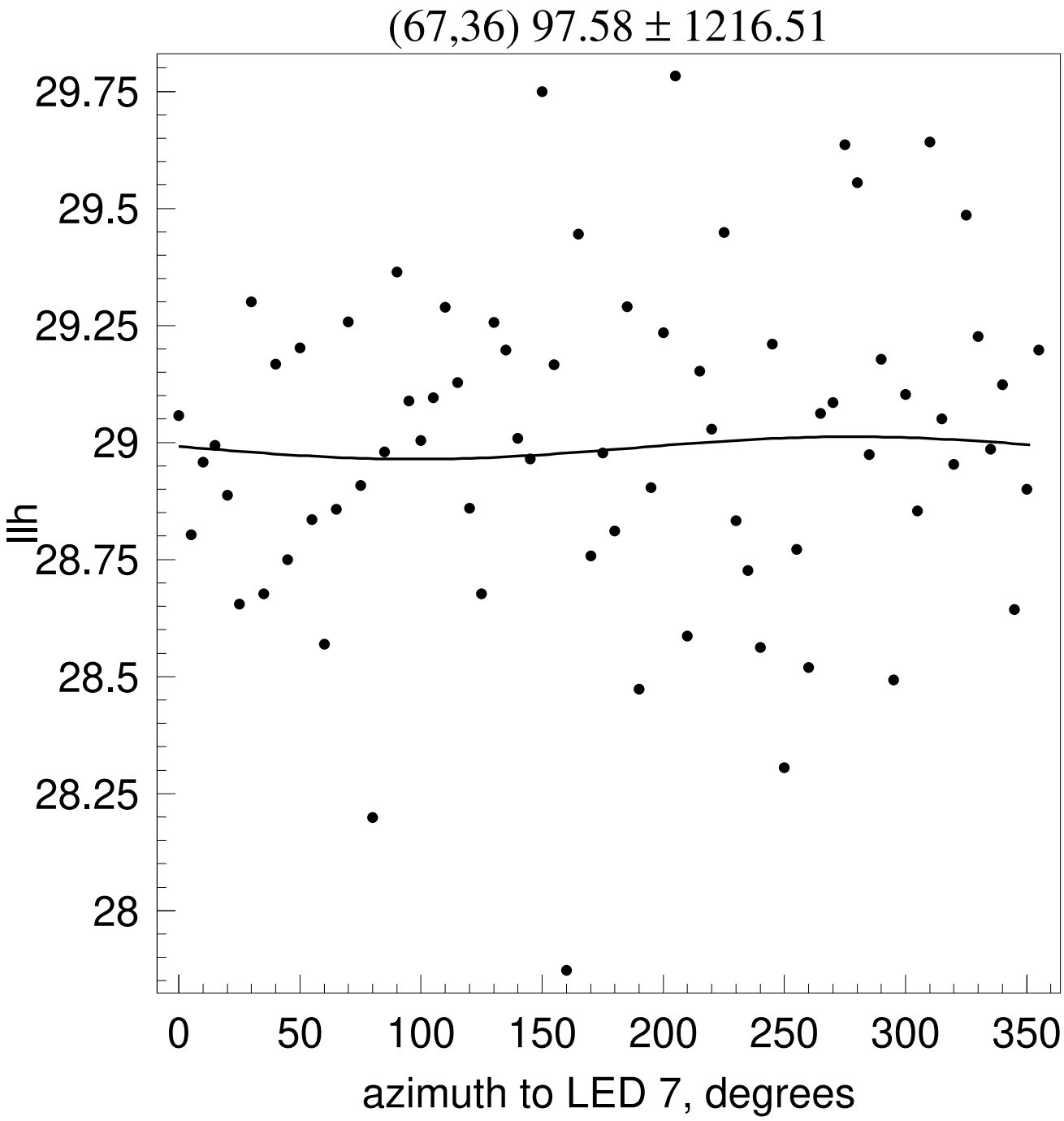

(66,36) 92.83 ± 0.02
22.75
22.5
22.25
22
21.75
21.5
21.25
21
20.75
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

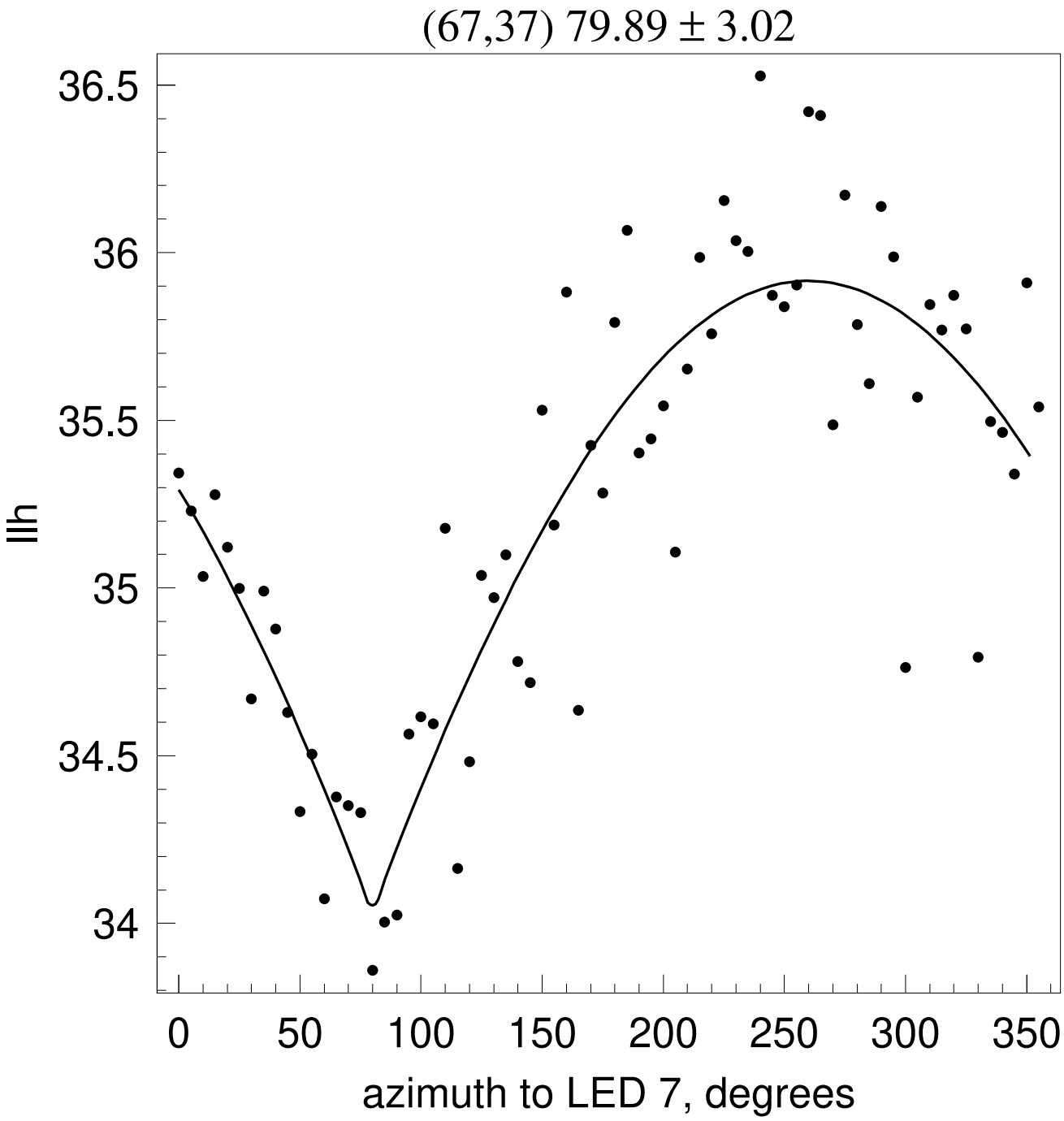

(66,37) 85.14 ± 0.00
23
22.5
22
21.5
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

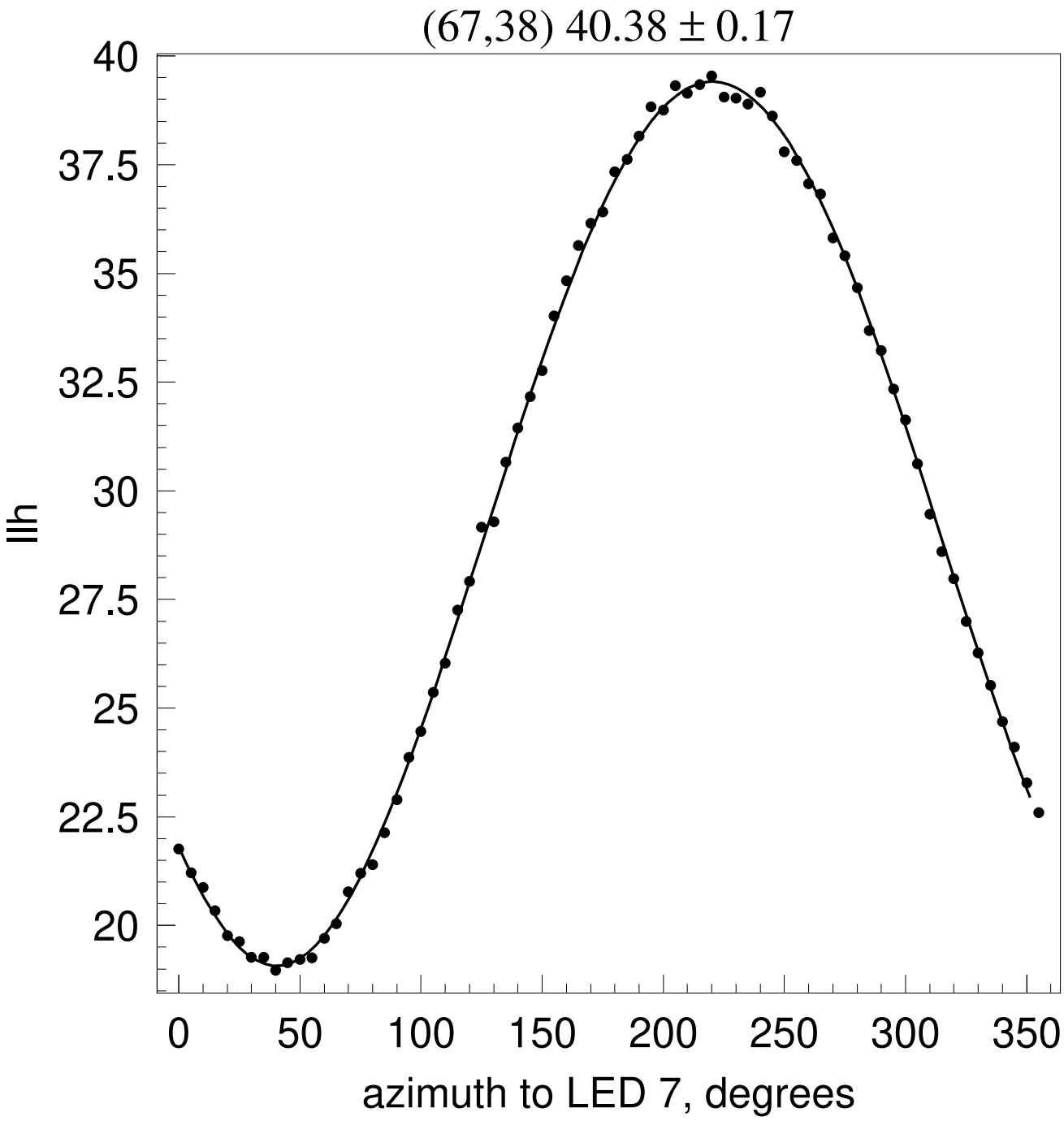

(66,38) 42.67 ± 0.31
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

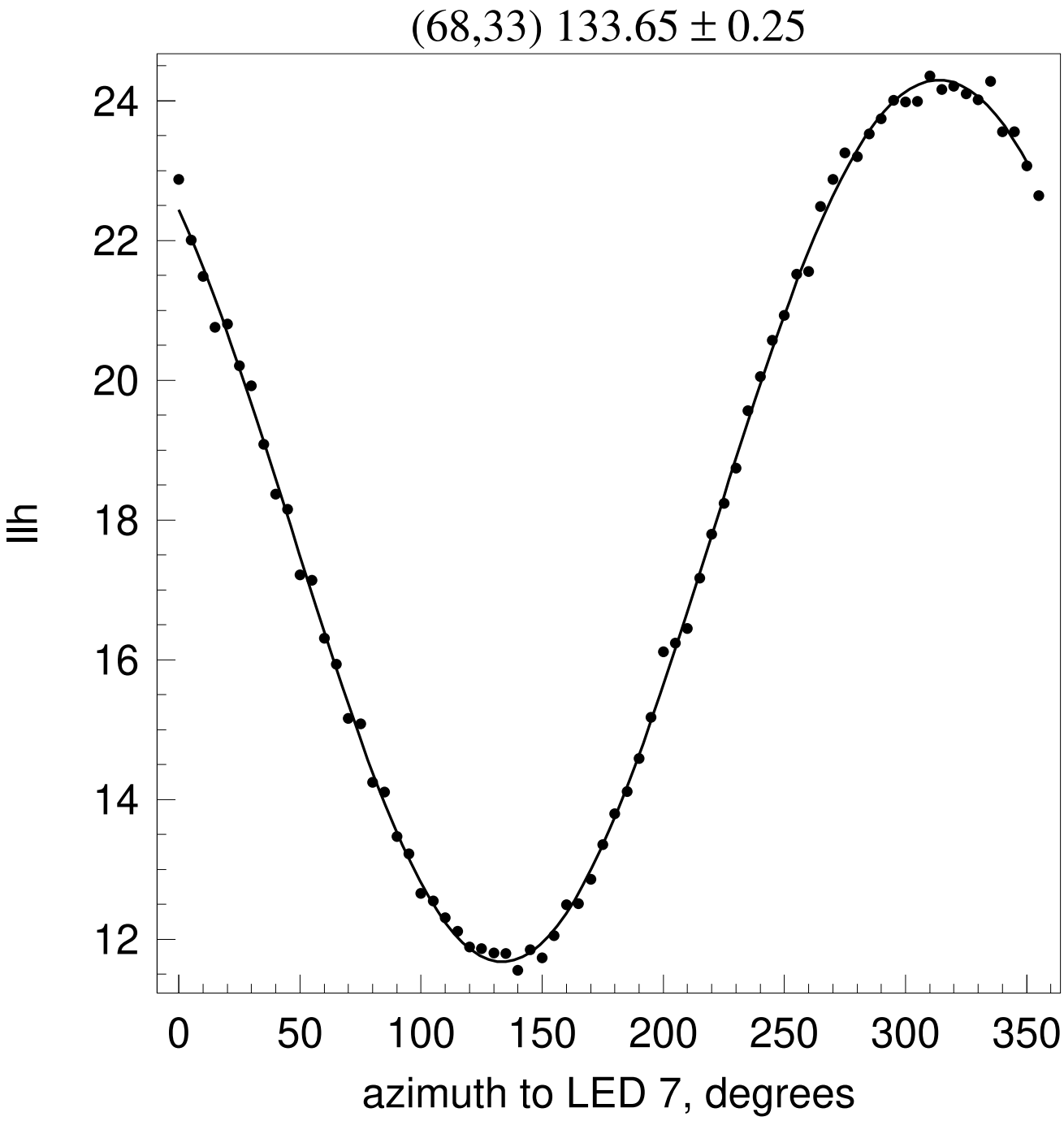

(67,34) 96.46 ± 0.57
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

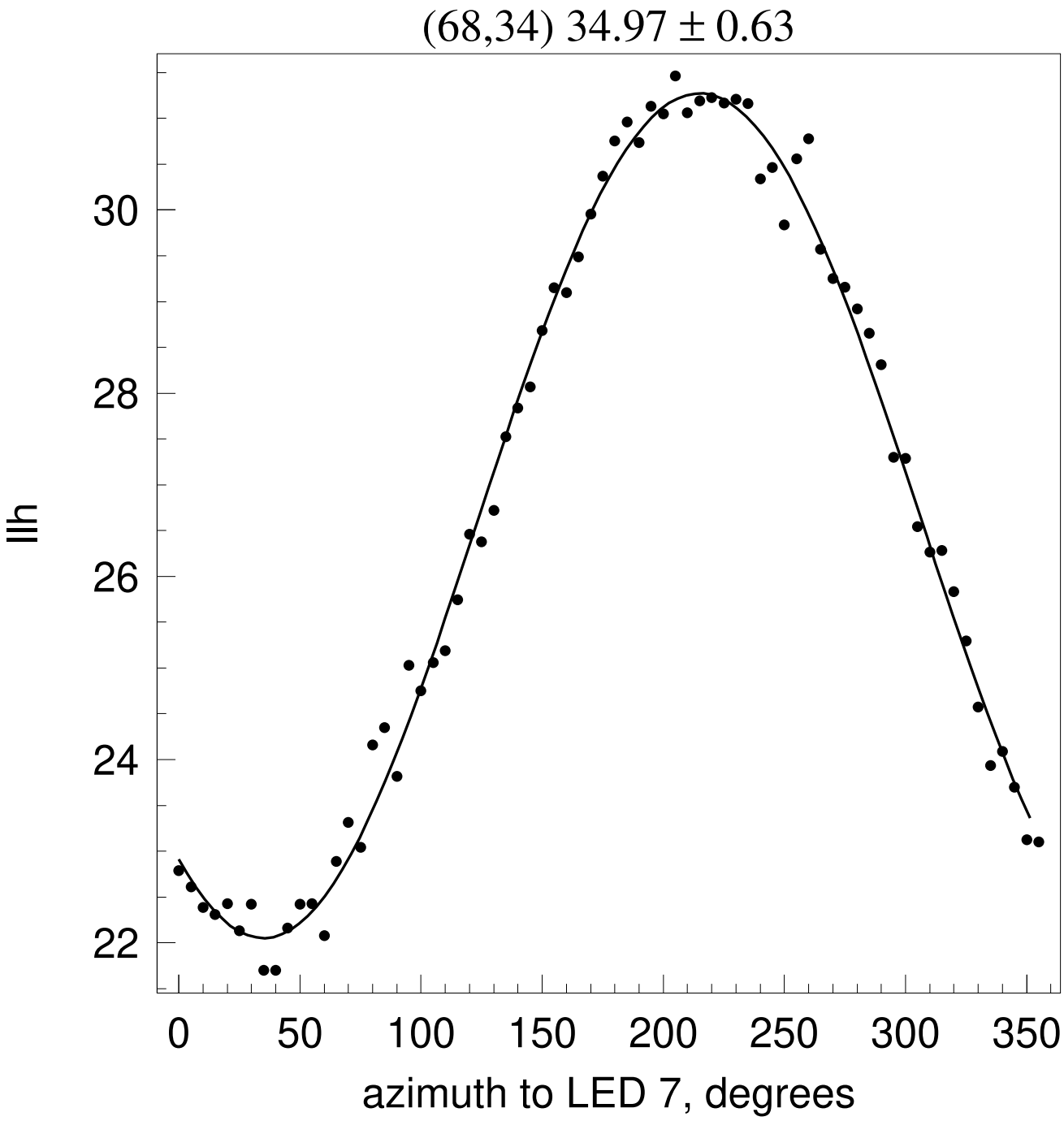

(67,35) 144.58 ± 1.03
39
38
37
36
35
34
33
32
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

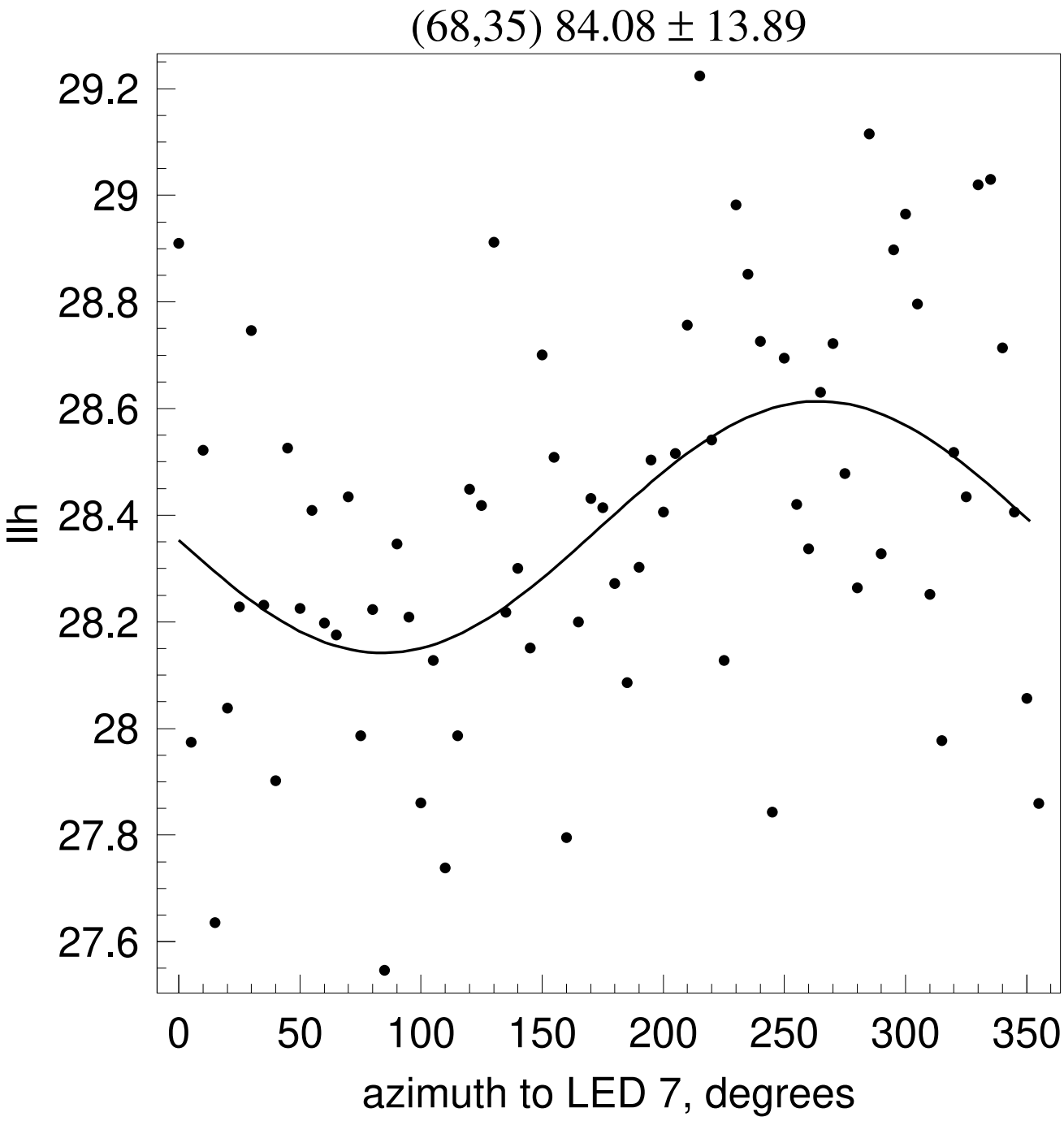

(67,36) 97.58 ± 1216.51
29.75
29.5
29.25
29
28.75
28.5
28.25
28
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

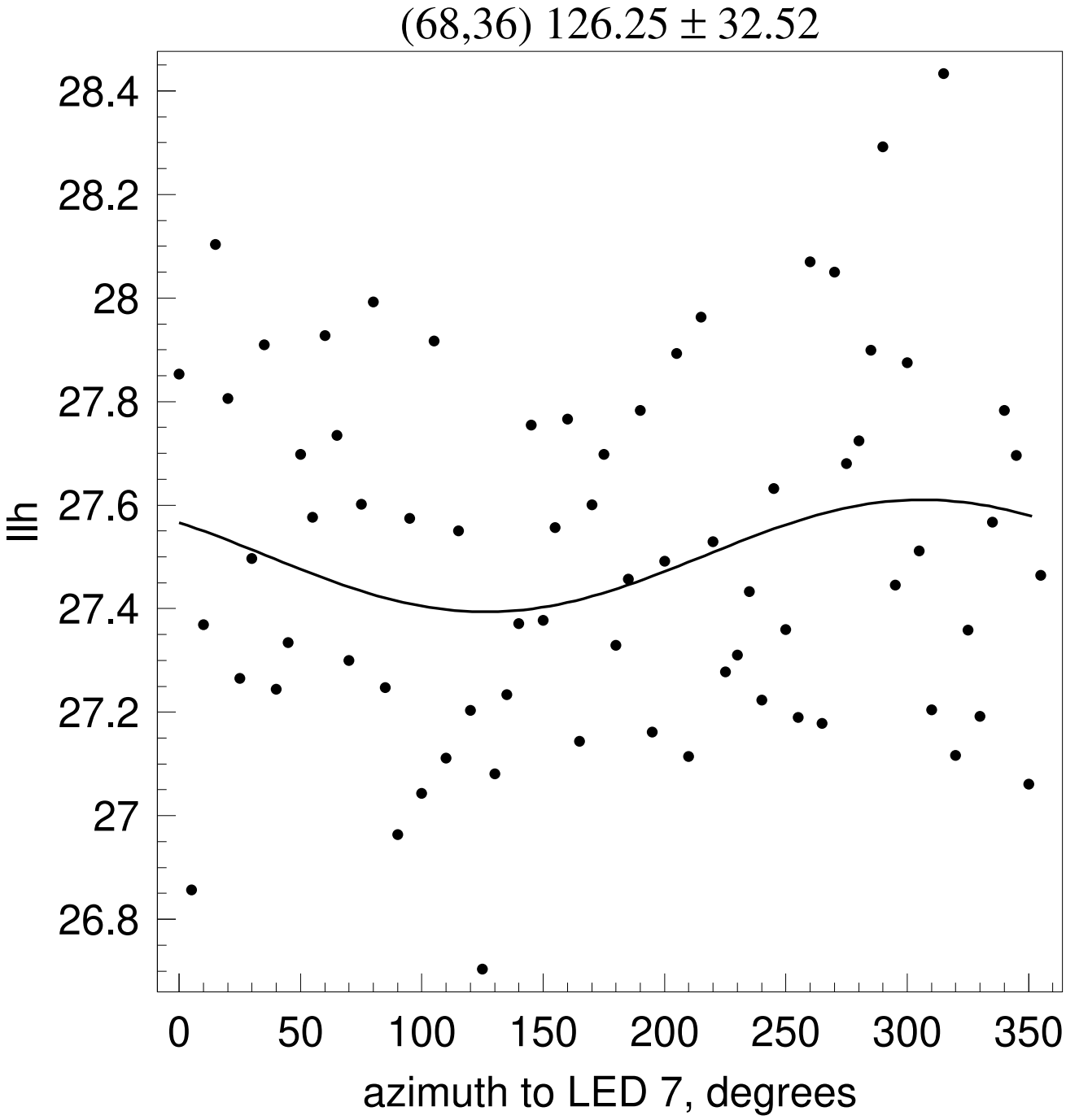

(67,37) 79.89 ± 3.02
36.5
36
35.5
35
34.5
34
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

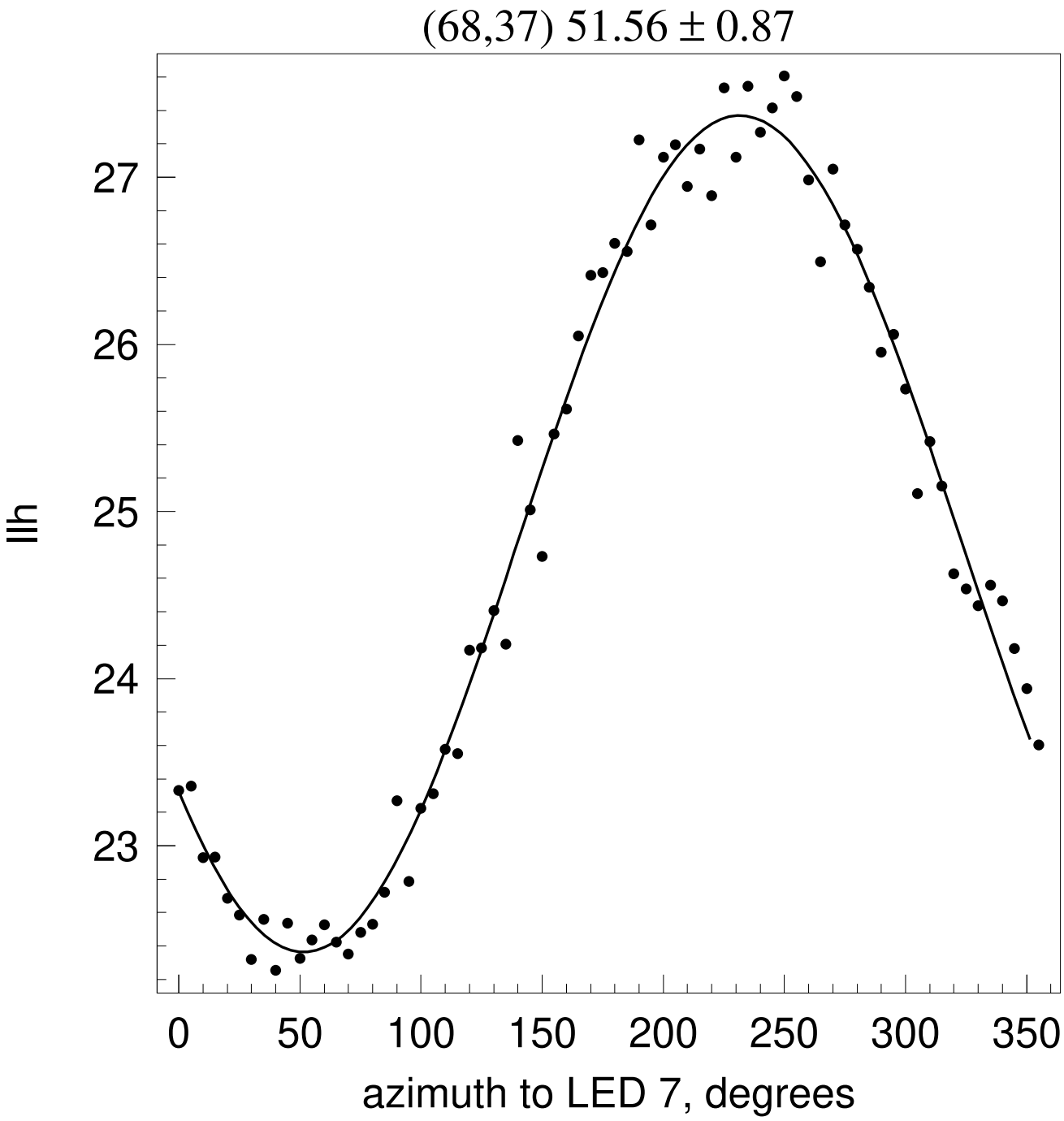

(67,38) 40.38 ± 0.17
40
37.5
35
32.5
30
27.5
25
22.5
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

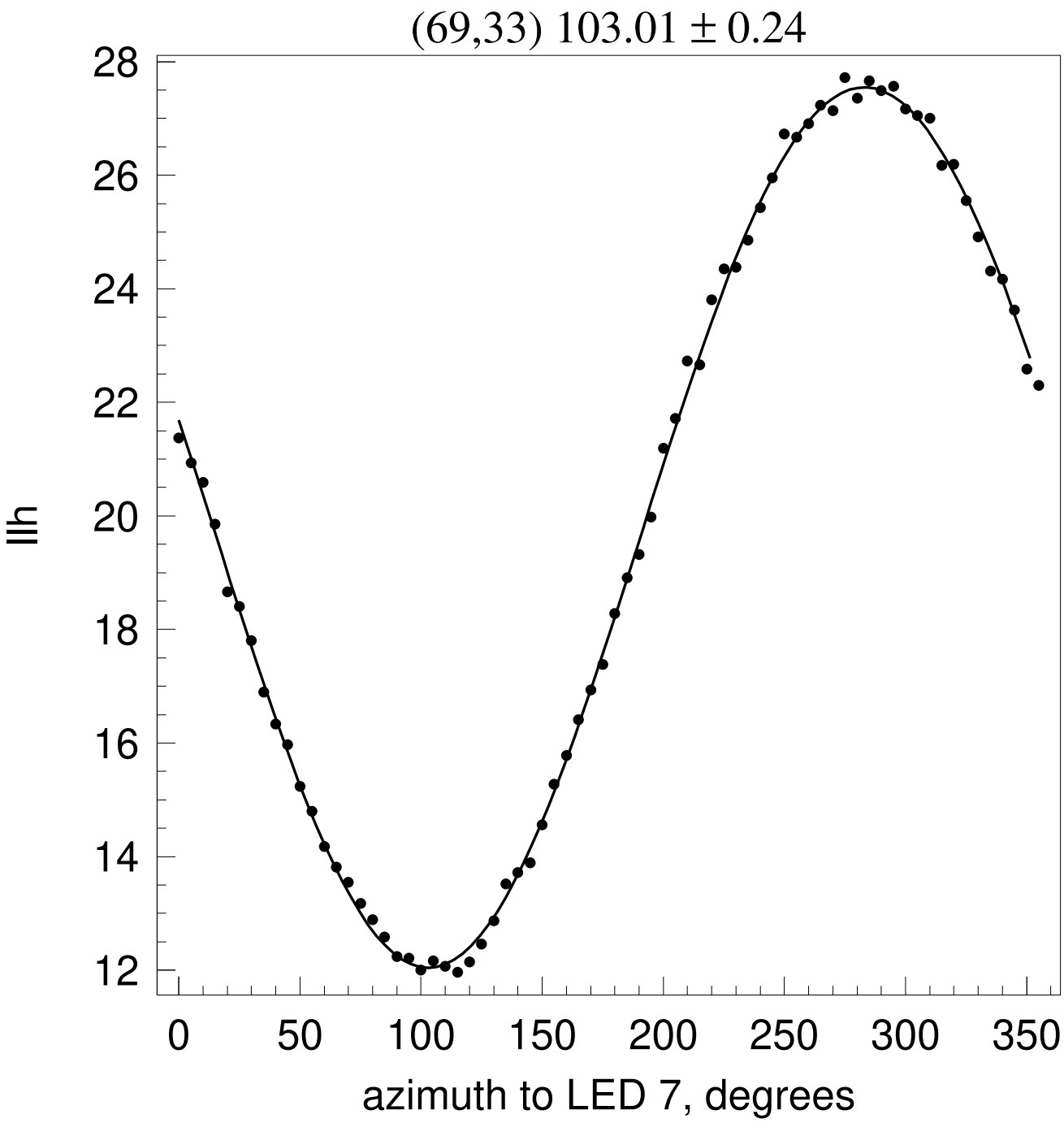

(68,33) 133.65 ± 0.25
24
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

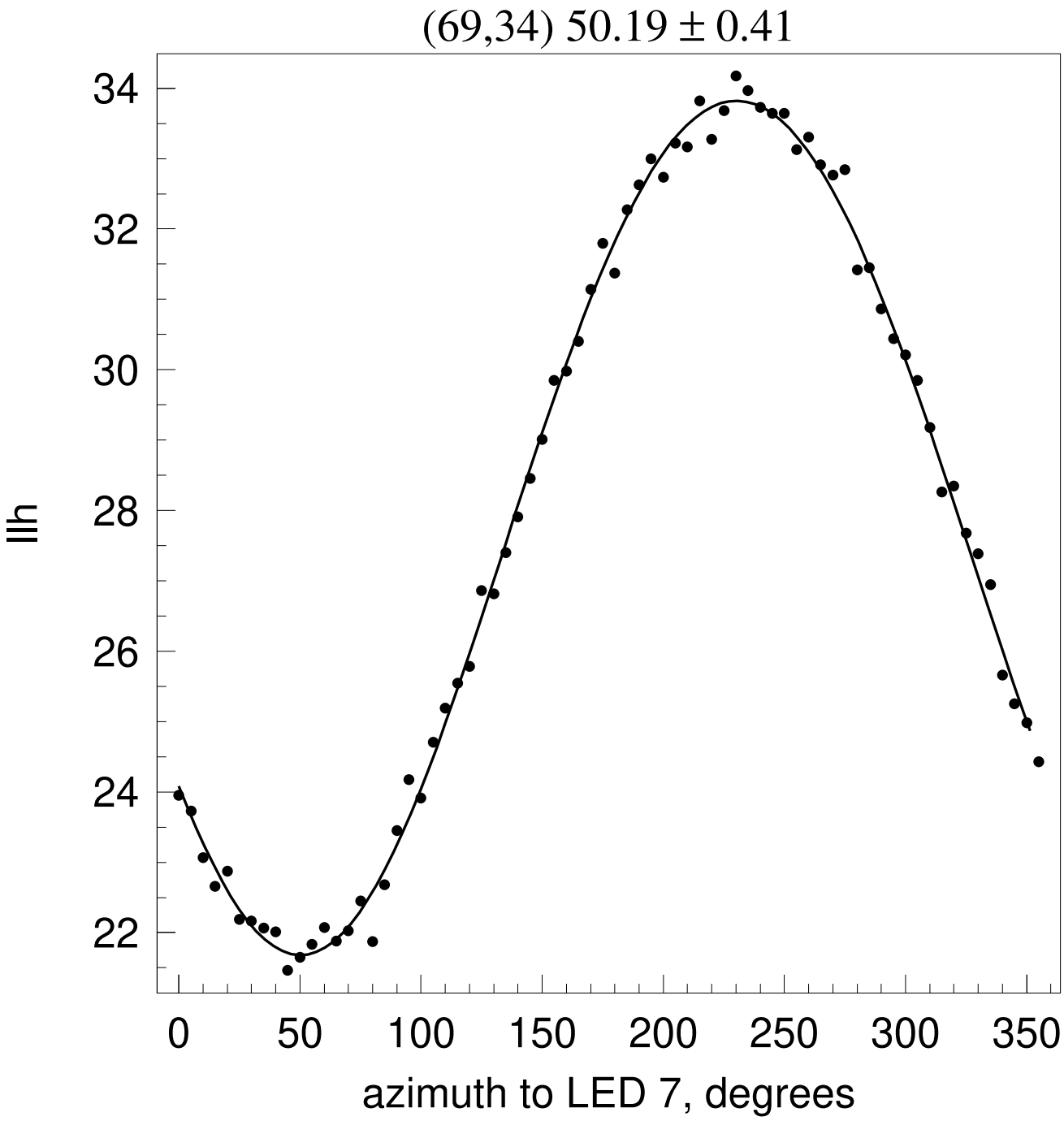

(68,34) 34.97 ± 0.63
llh
30
28
26
24
22
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

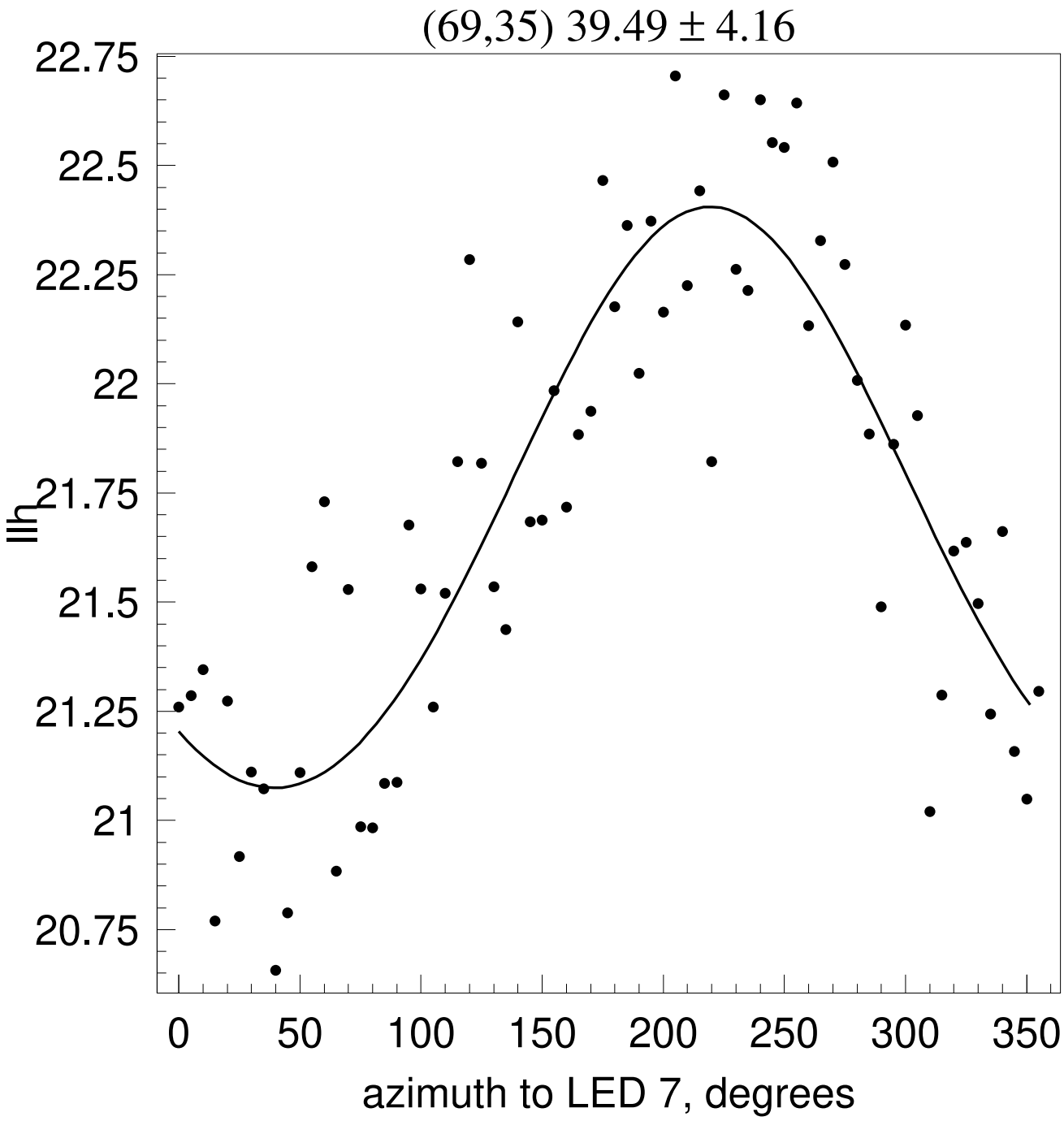

(68,35) 84.08 ± 13.89
29.2
29
28.8
28.6
28.4
28.2
28
27.8
27.6
lln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

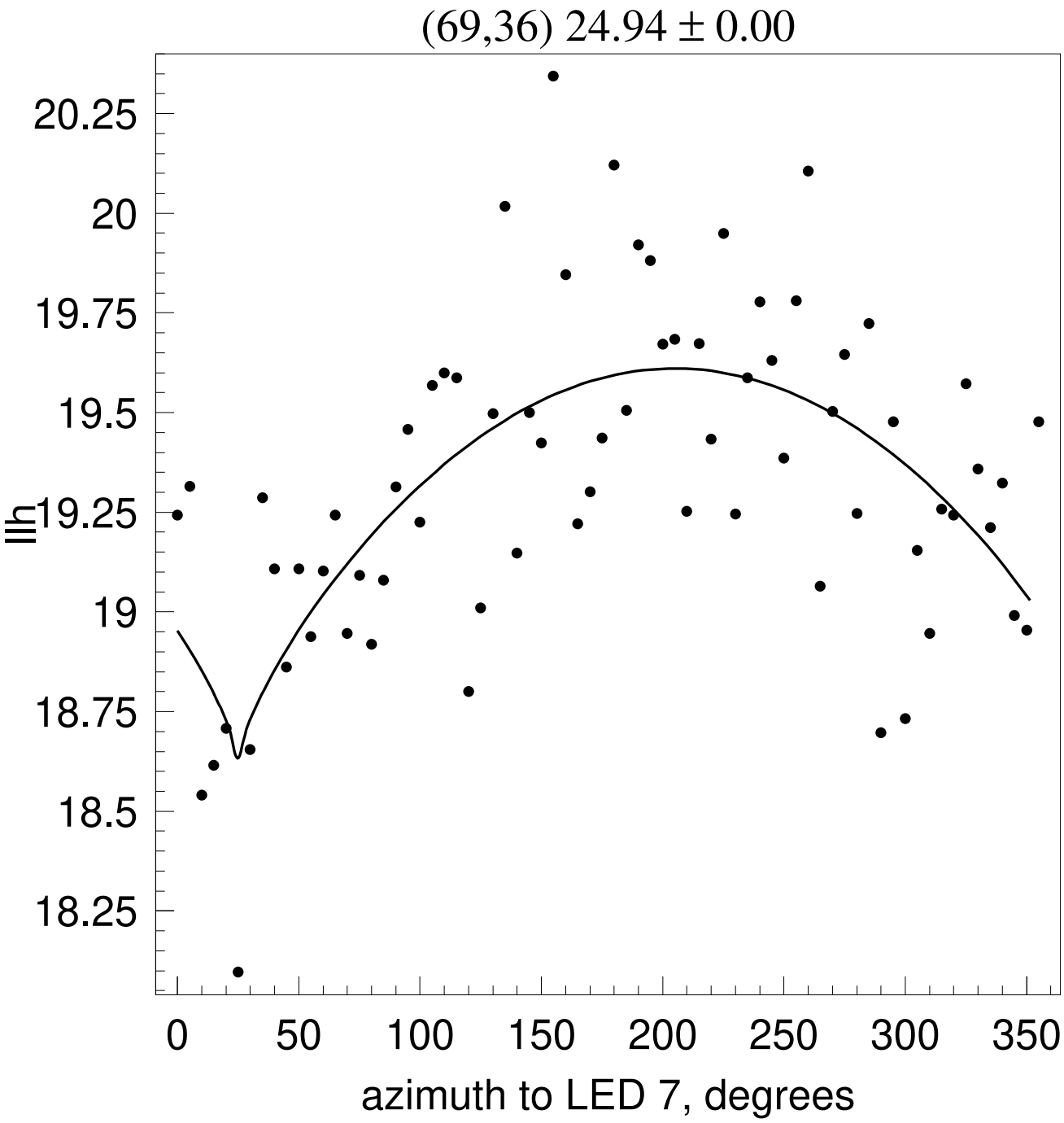

(68,36) 126.25 ± 32.52
28.4
28.2
28
27.8
27.6
27.4
27.2
27
26.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

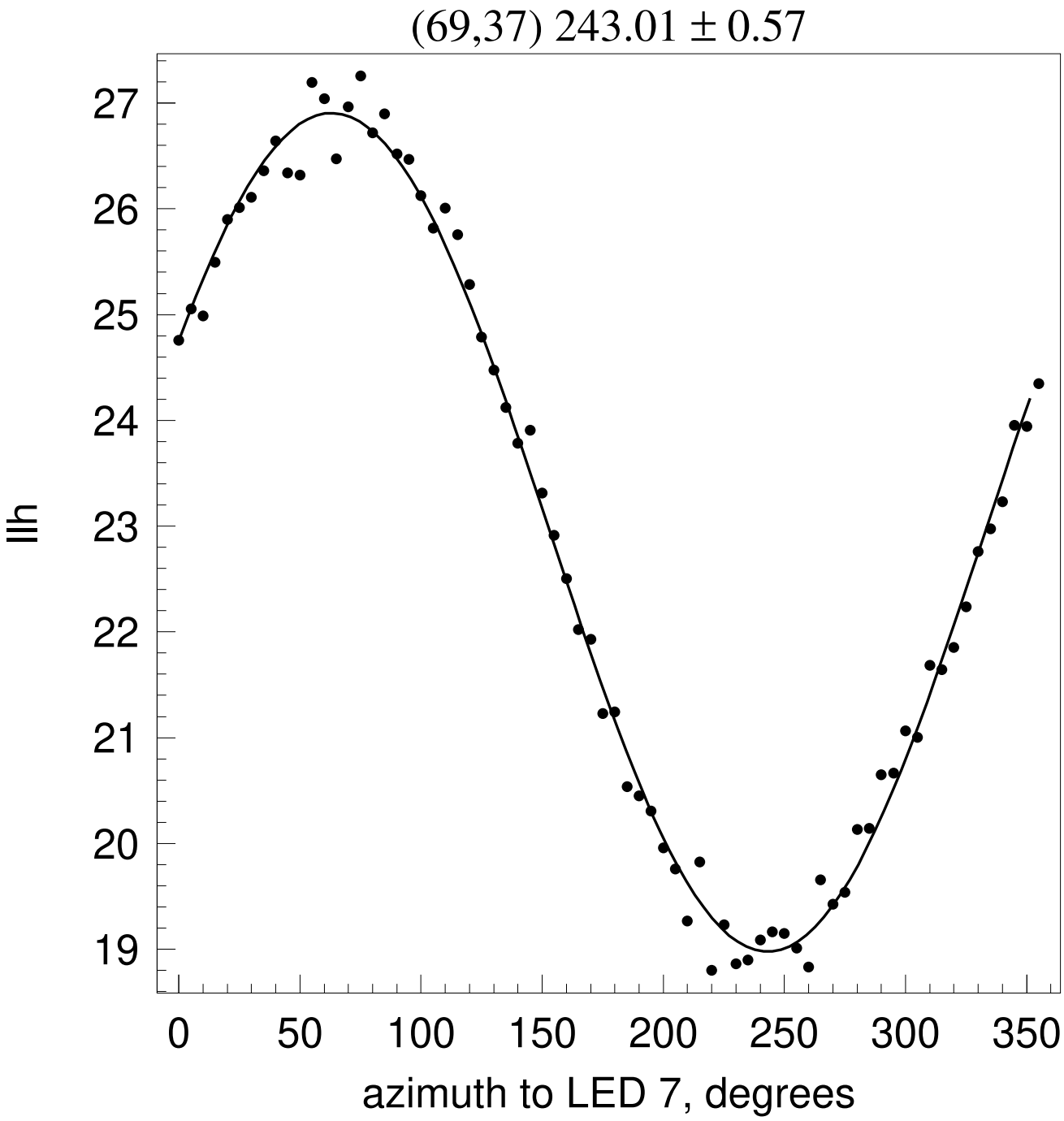

(68,37) 51.56 ± 0.87
27
26
25
24
23
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

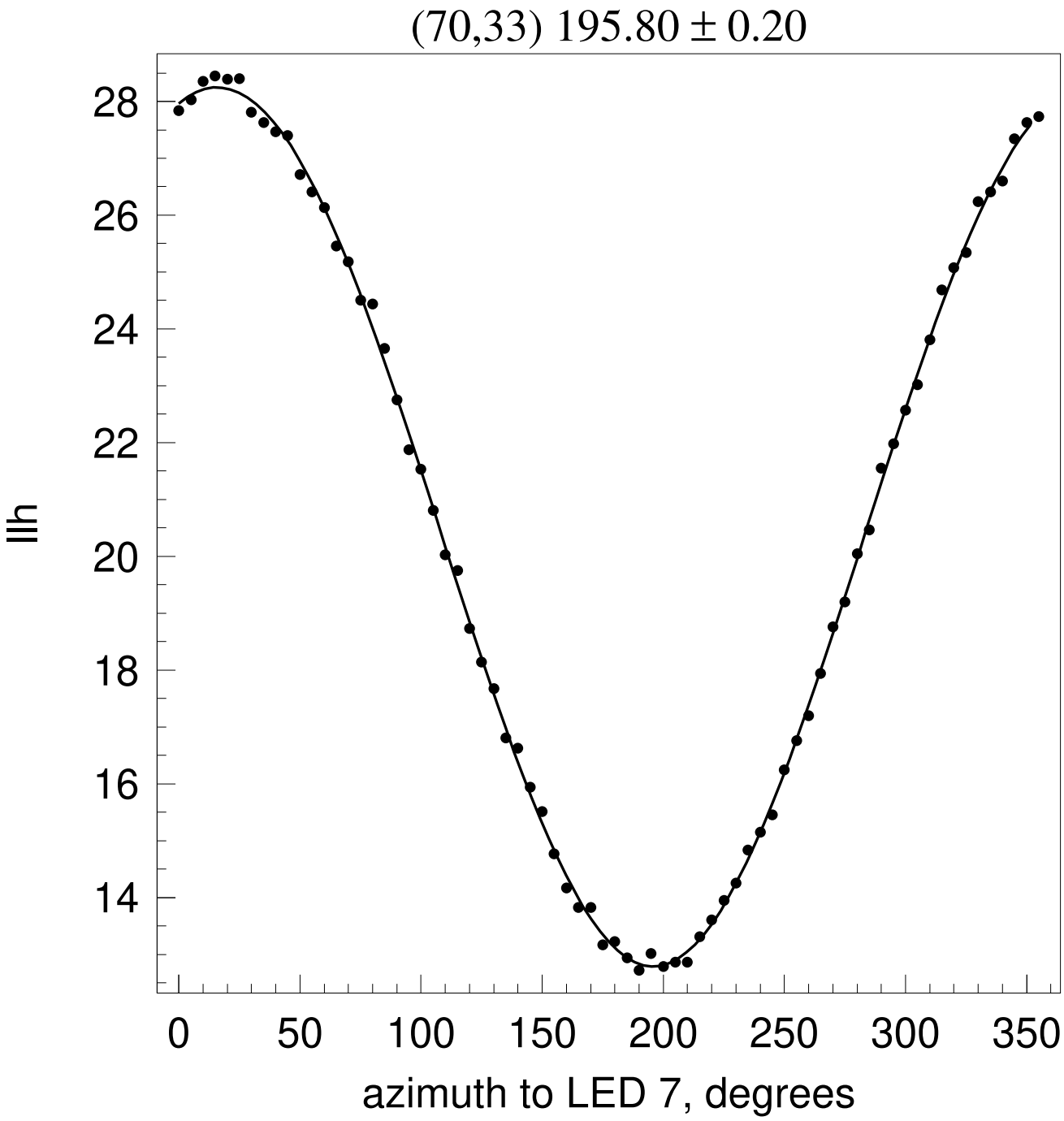

(69,33) 103.01 ± 0.24
28
26
24
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

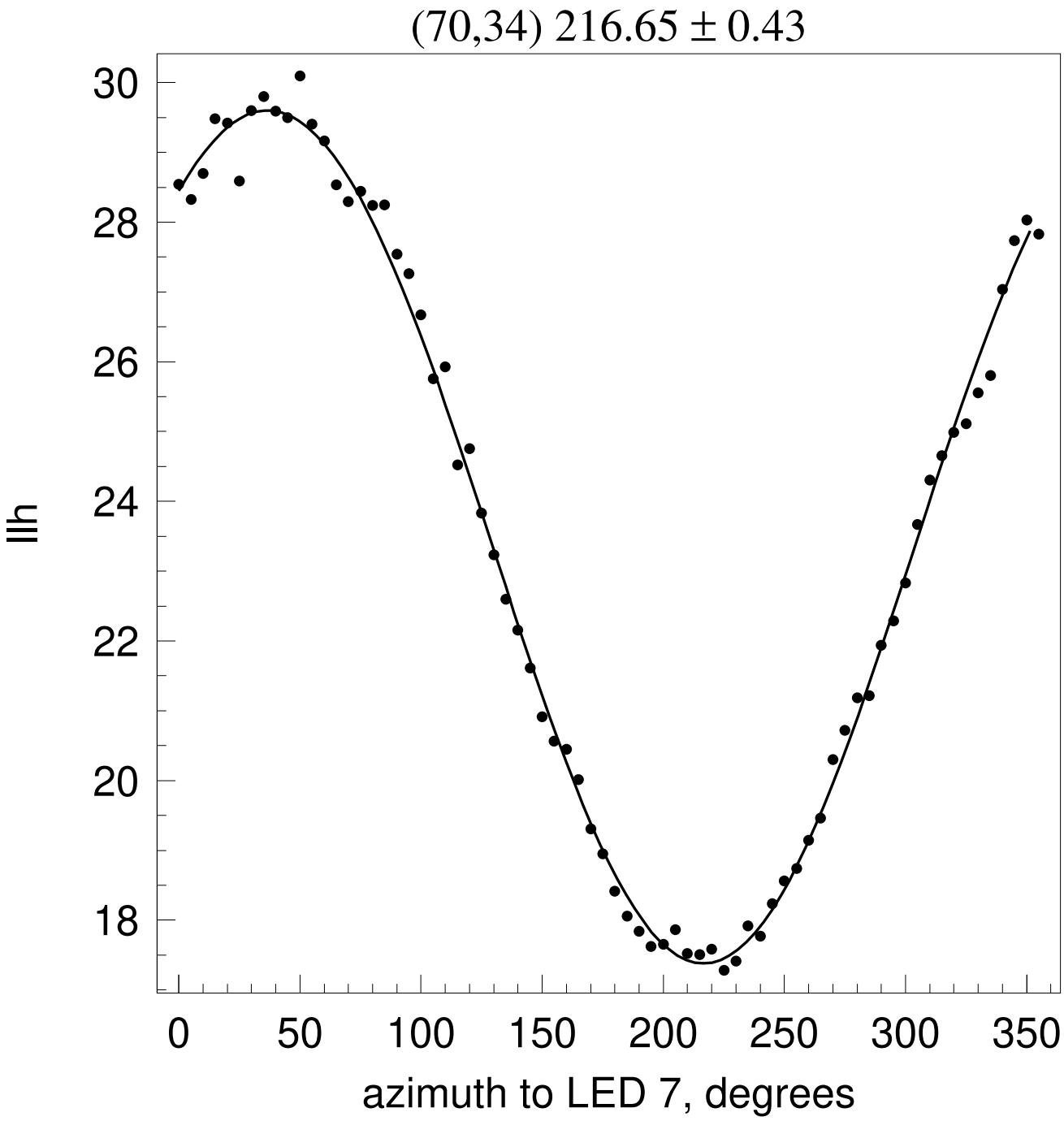

(69,34) 50.19 ± 0.41
34
32
30
28
26
24
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

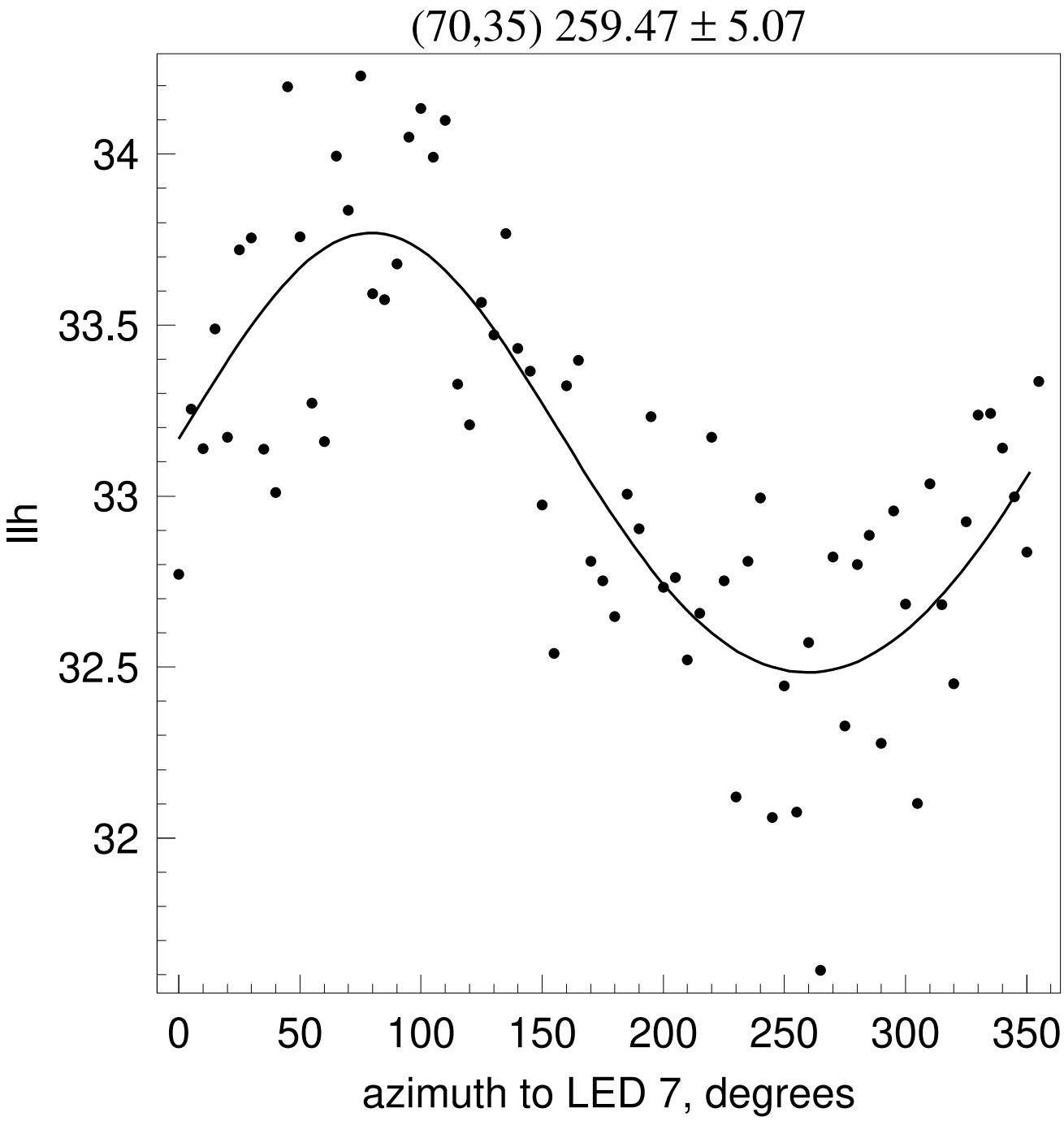

(69,35) 39.49 ± 4.16
22.75
22.5
22.25
22
21.75
21.5
21.25
21
20.75
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

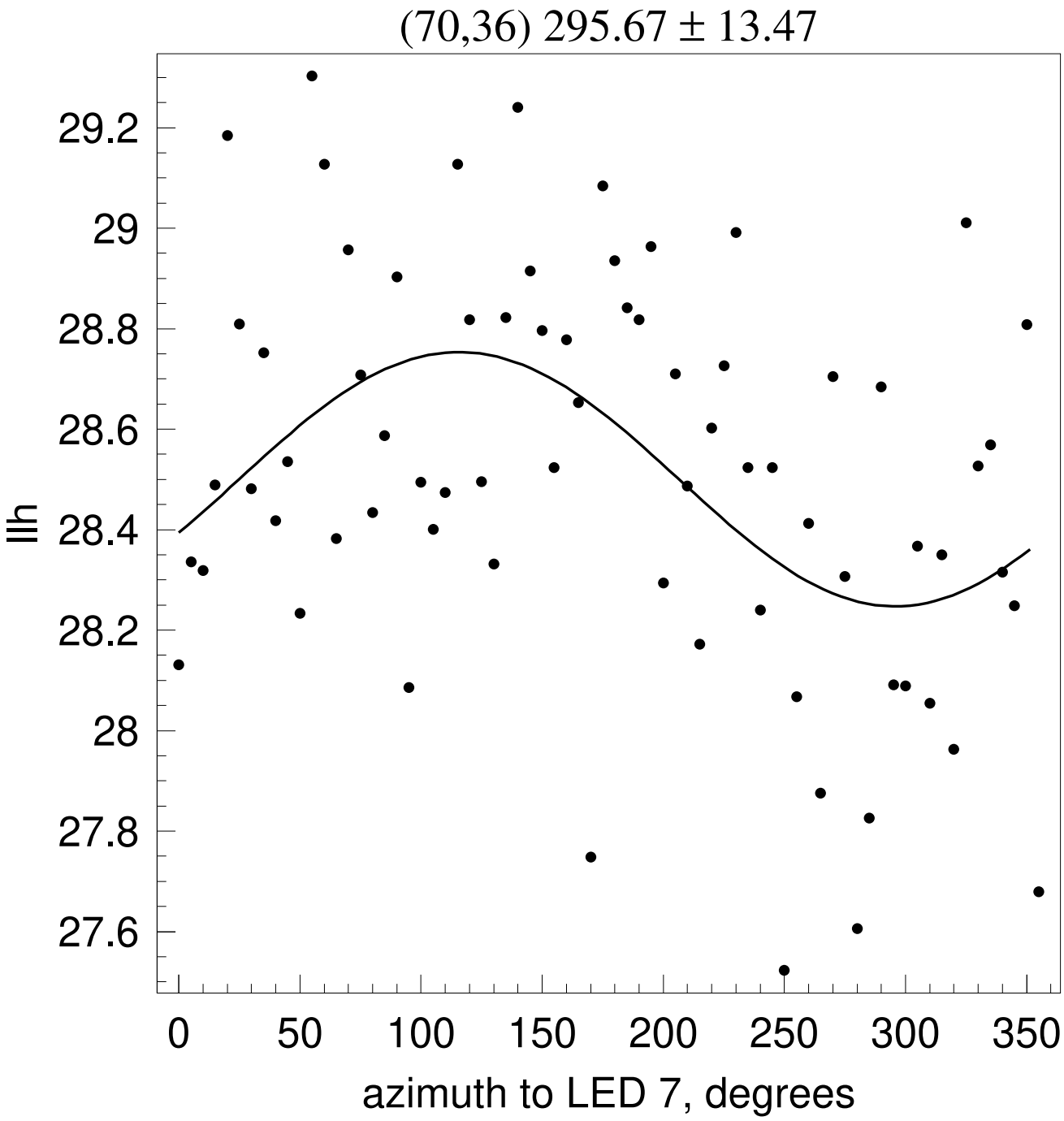

(69,36) 24.94 ± 0.00
20.25
20
19.75
19.5
19.25
19
18.75
18.5
18.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

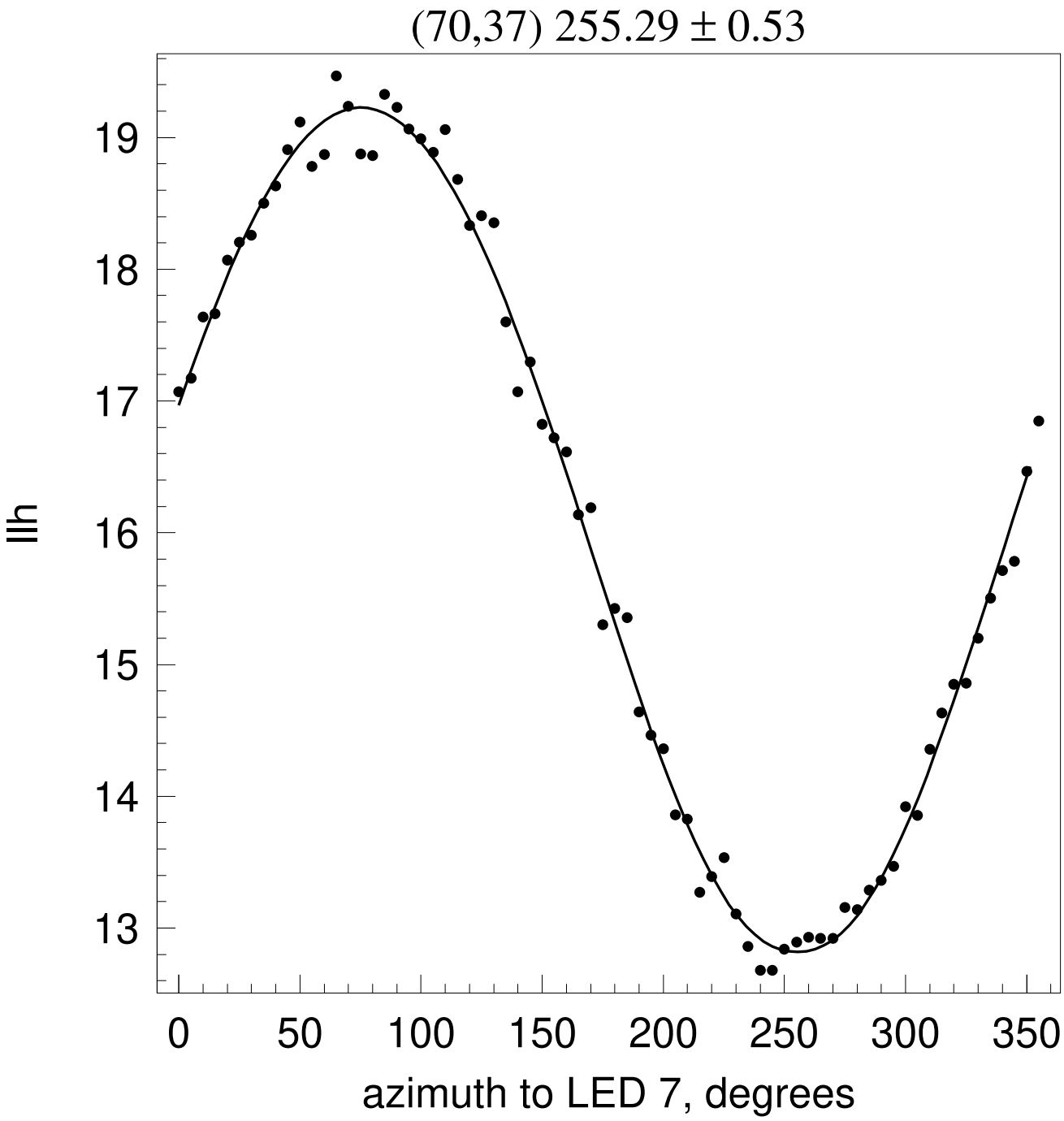

(69,37) 243.01 ± 0.57
27
26
25
24
23
22
21
20
19
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

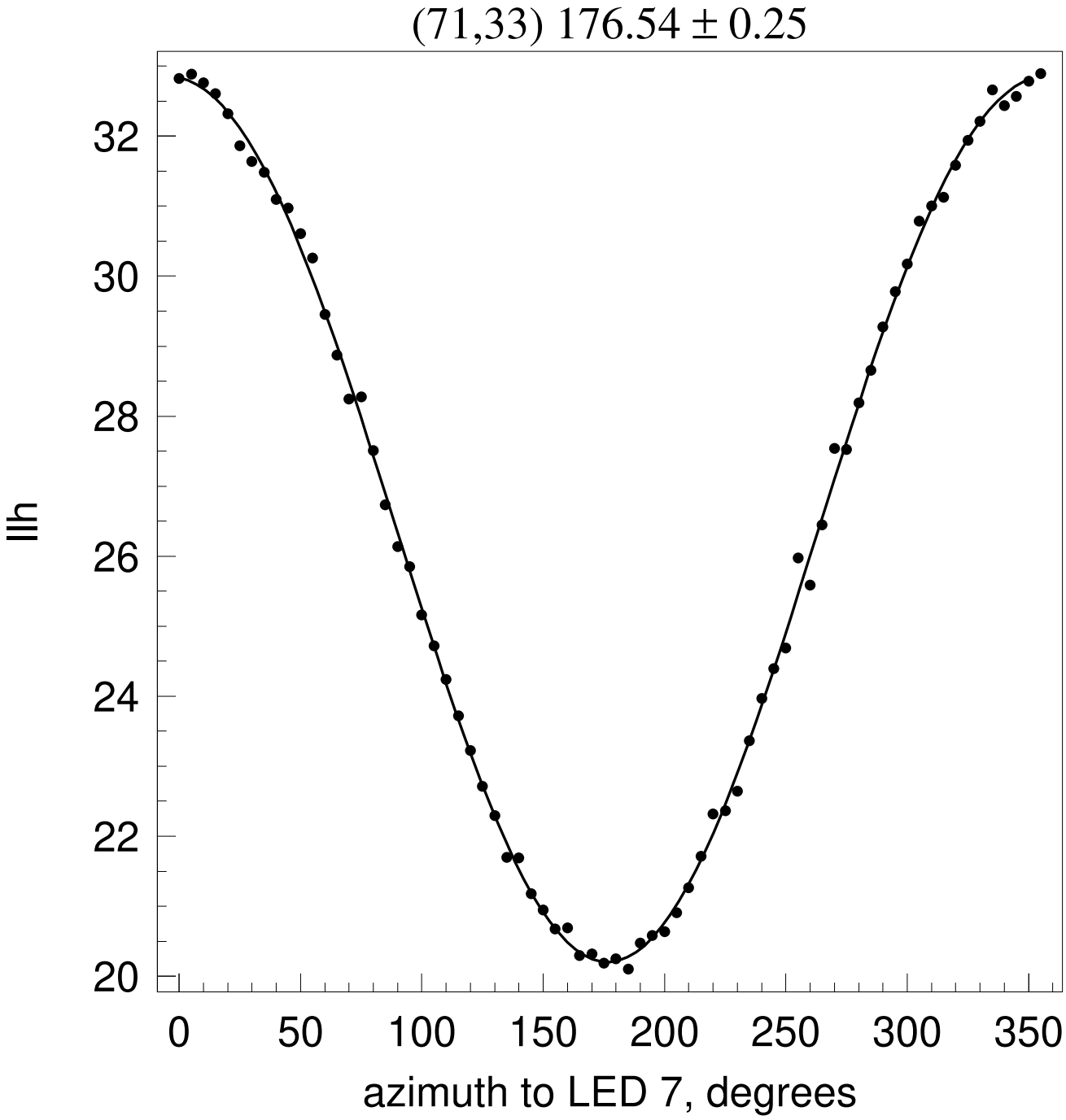

(70,33) 195.80 ± 0.20
28
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

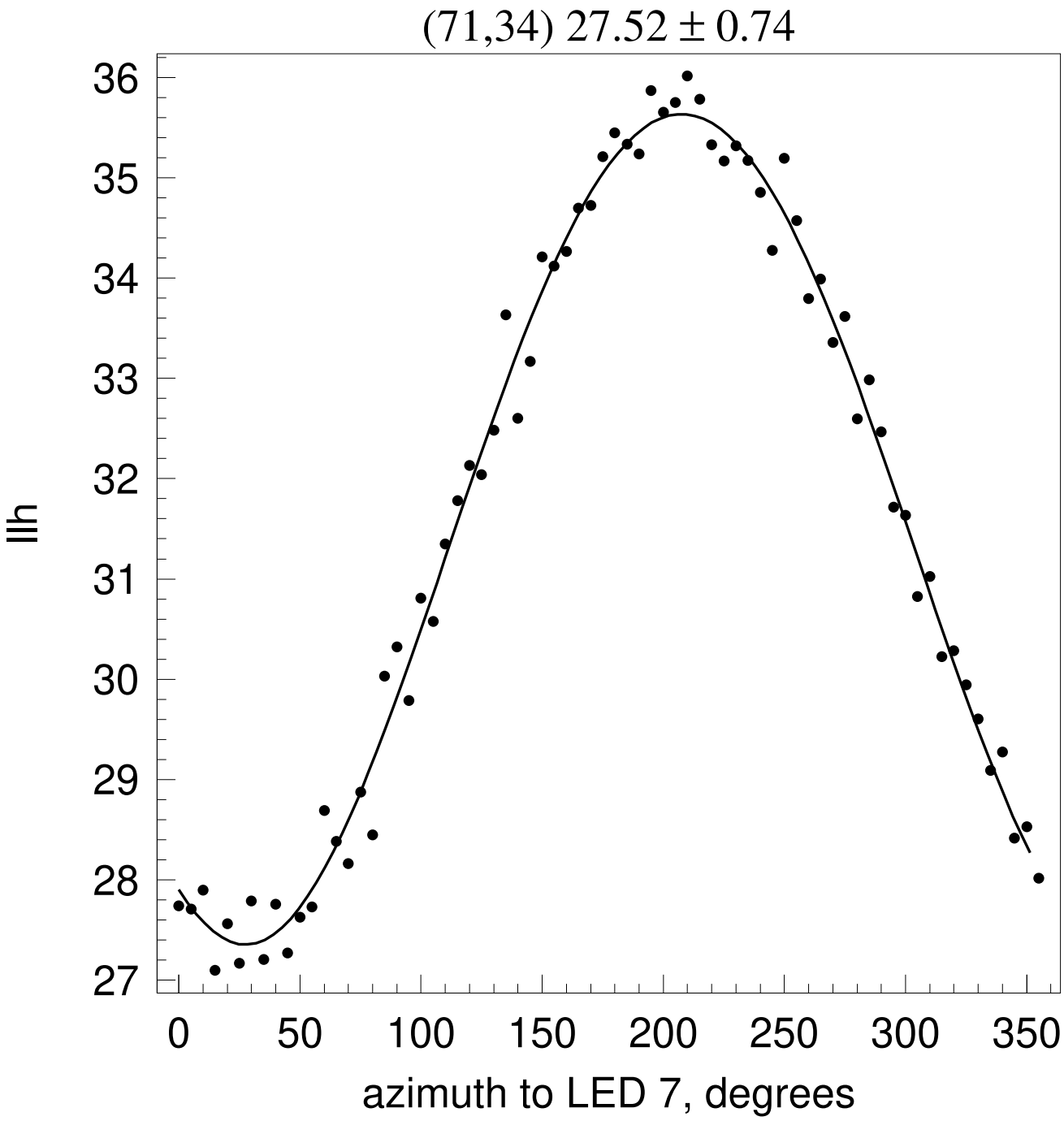

(70,34) 216.65 ± 0.43
30
28
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

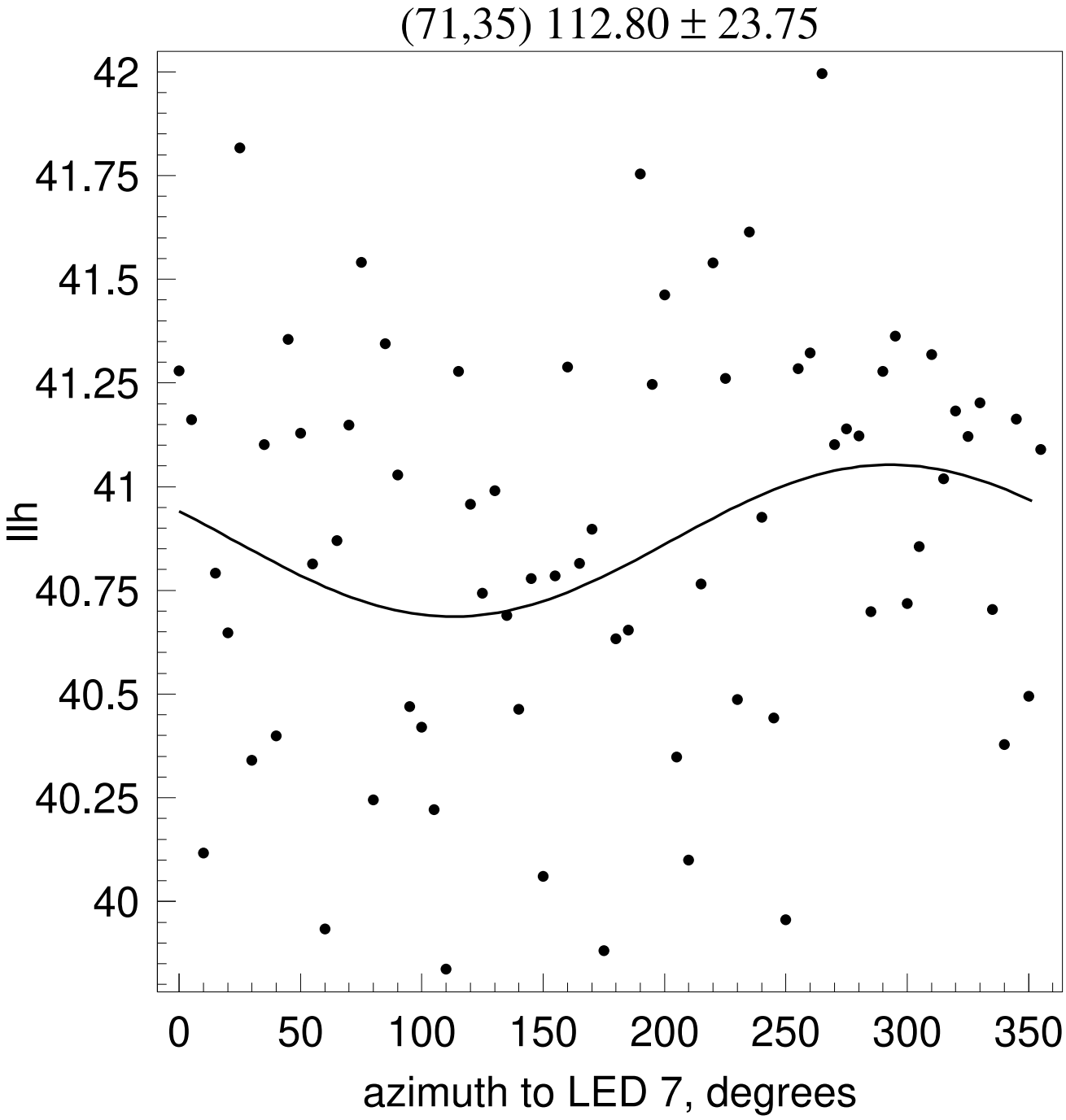

(70,35) 259.47 ± 5.07
34
33.5
33
32.5
32
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

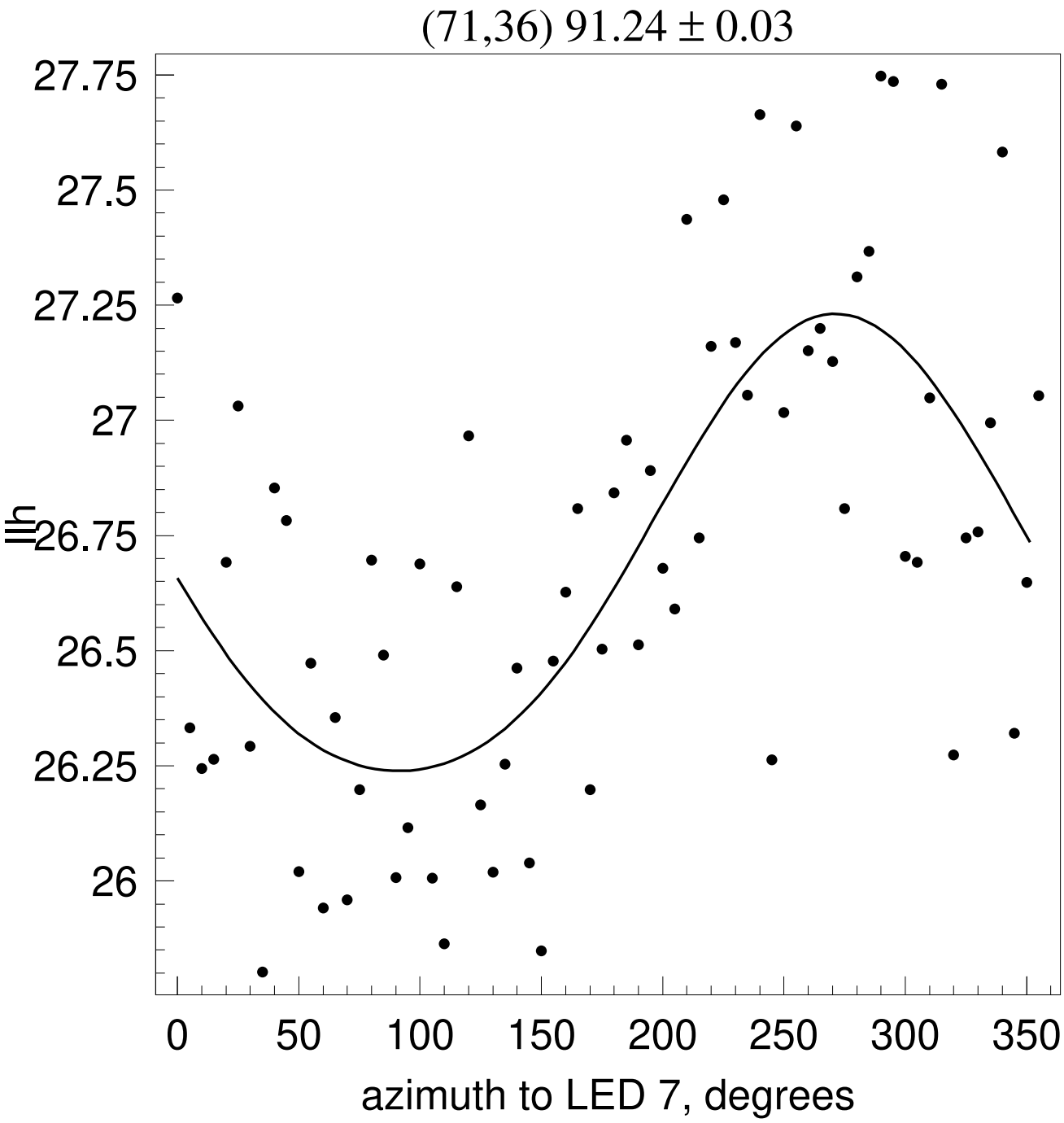

(70,36) 295.67 ± 13.47
29.2
29
28.8
28.6
28.4
28.2
28
27.8
27.6
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

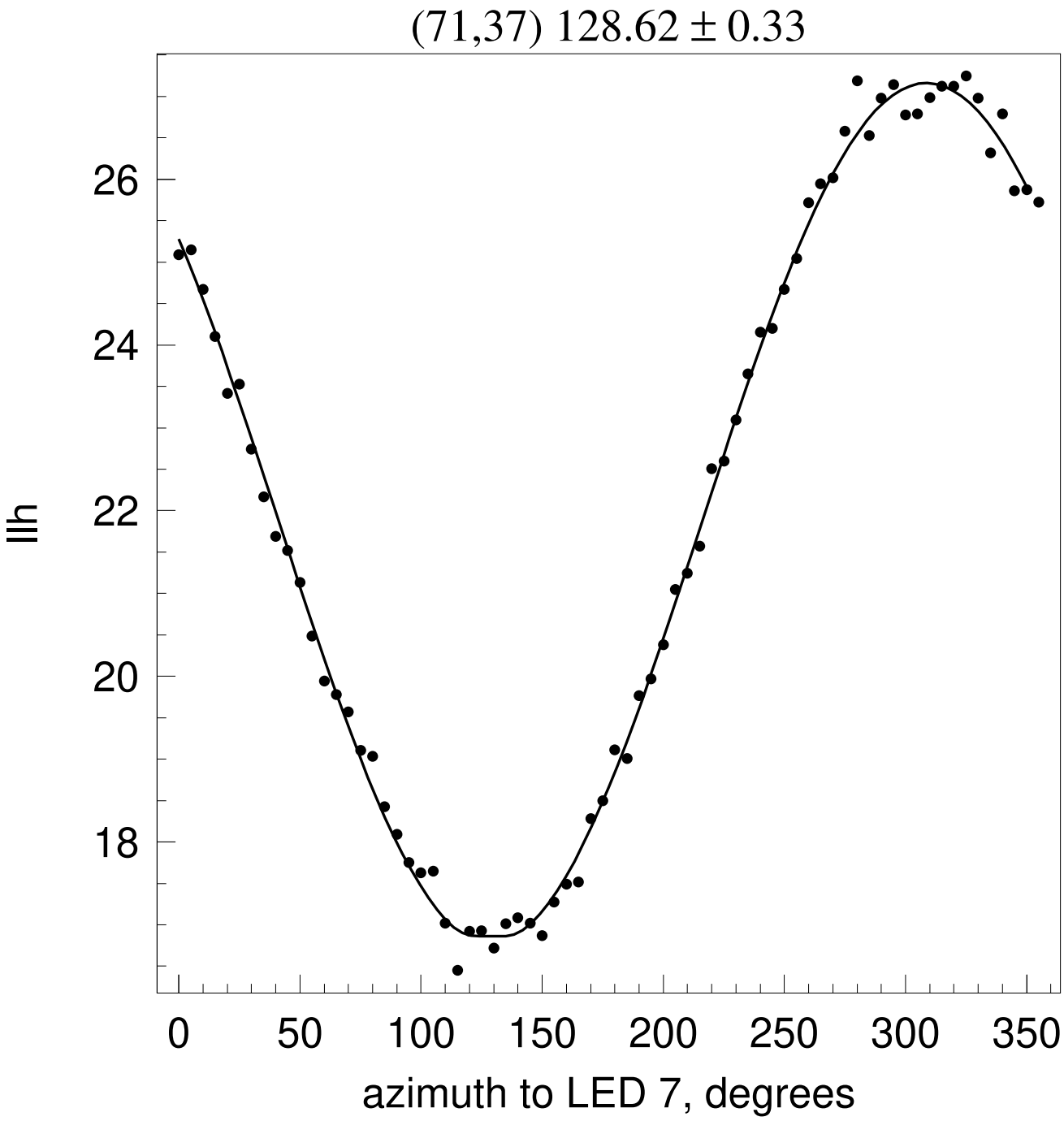

(70,37) 255.29 ± 0.53
19
18
17
16
15
14
13
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

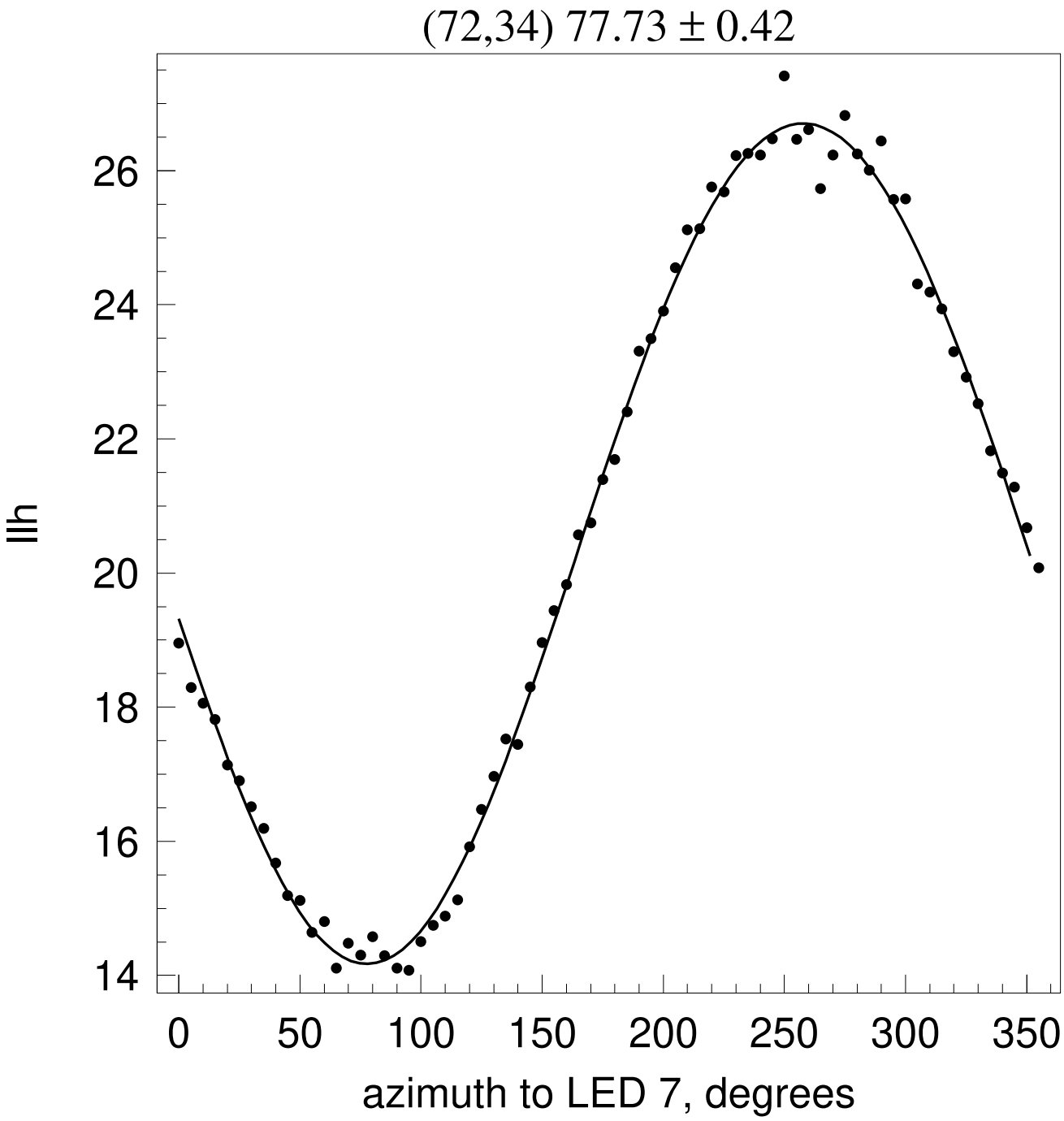

(71,33) 176.54 ± 0.25
32
30
28
26
24
22
20
IIh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

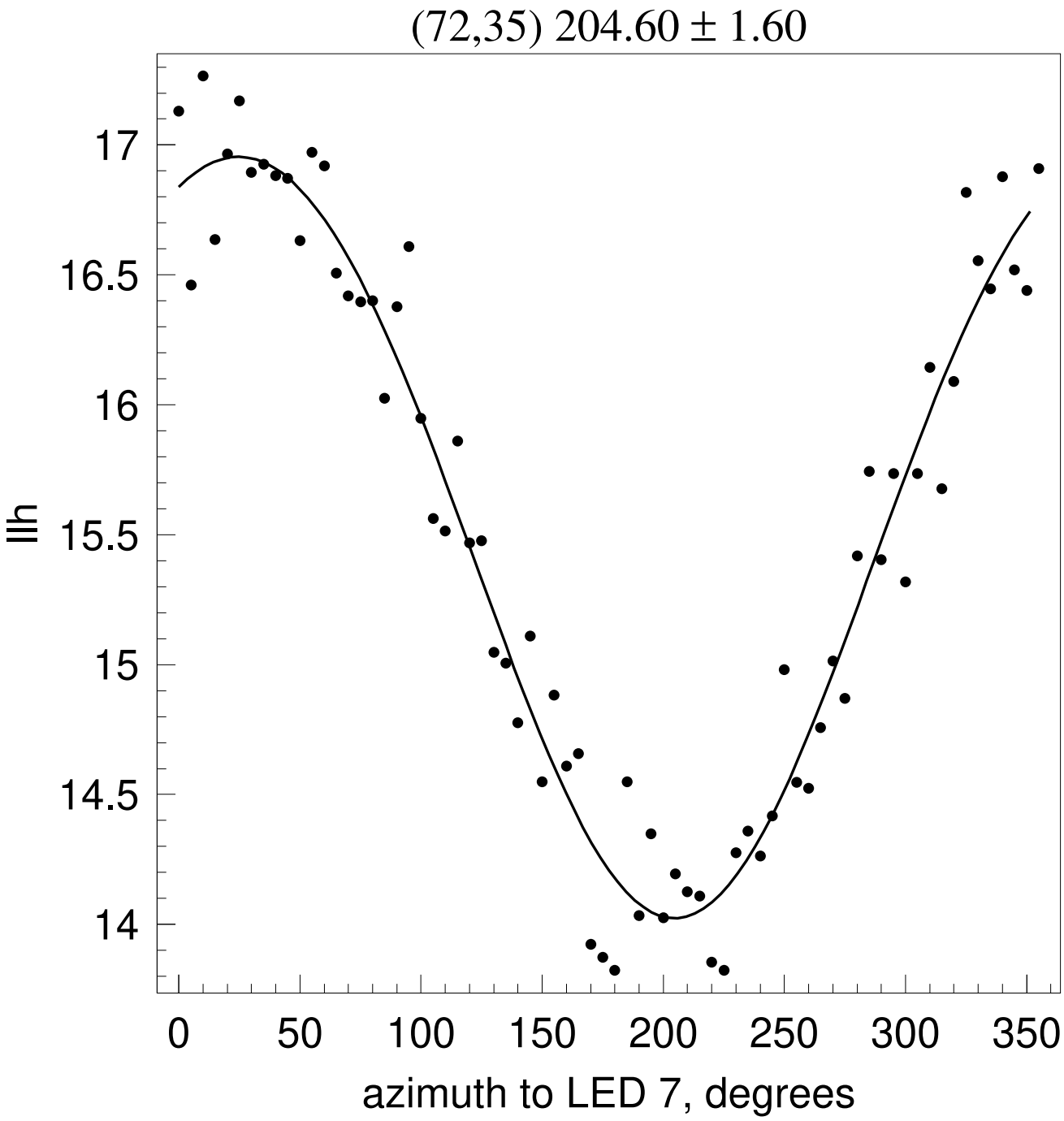

(71,34) 27.52 ± 0.74
36
35
34
33
32
31
30
29
28
27
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

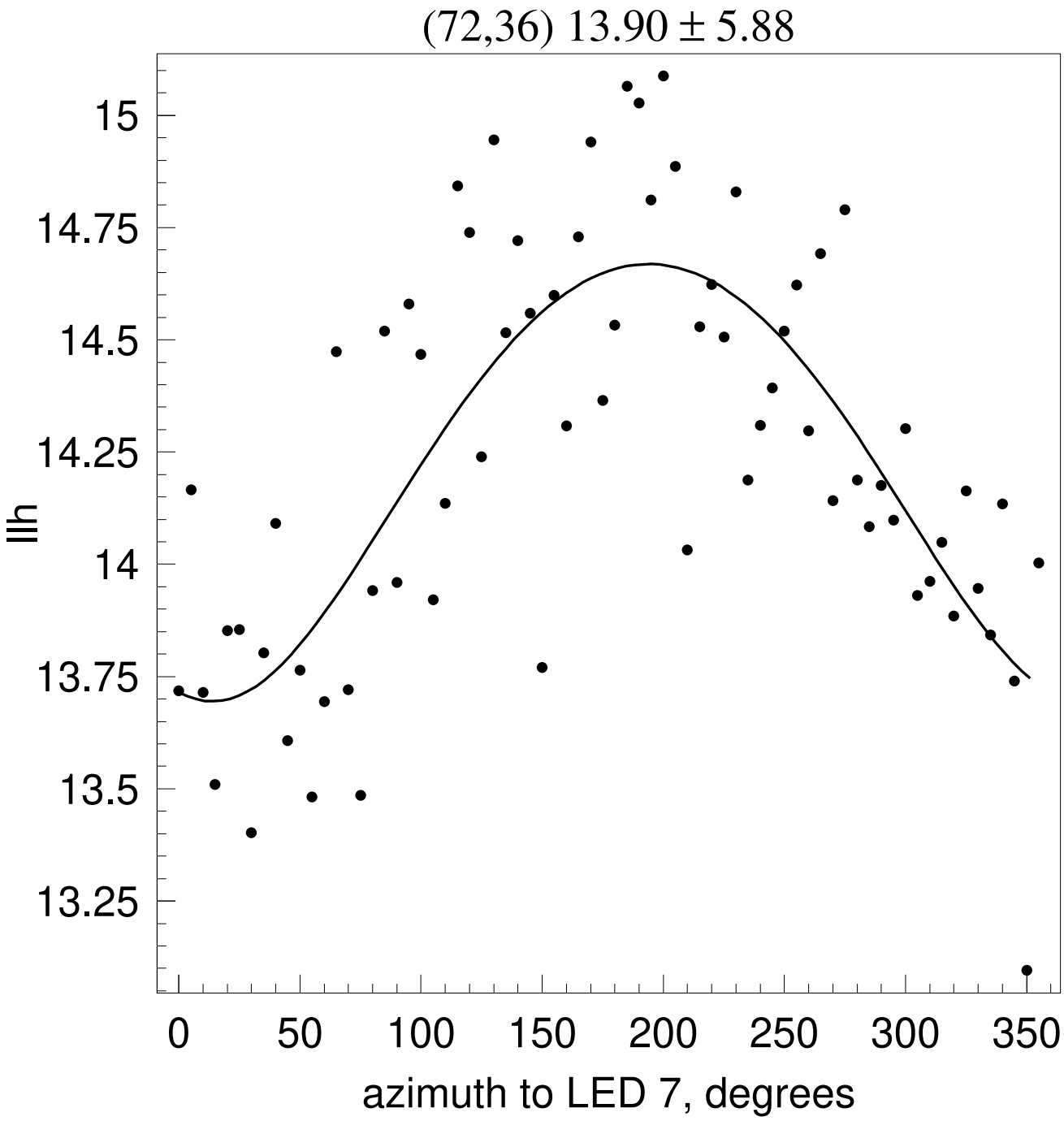

(71,35) 112.80 ± 23.75
42
41.75
41.5
41.25
41
40.75
40.5
40.25
40
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

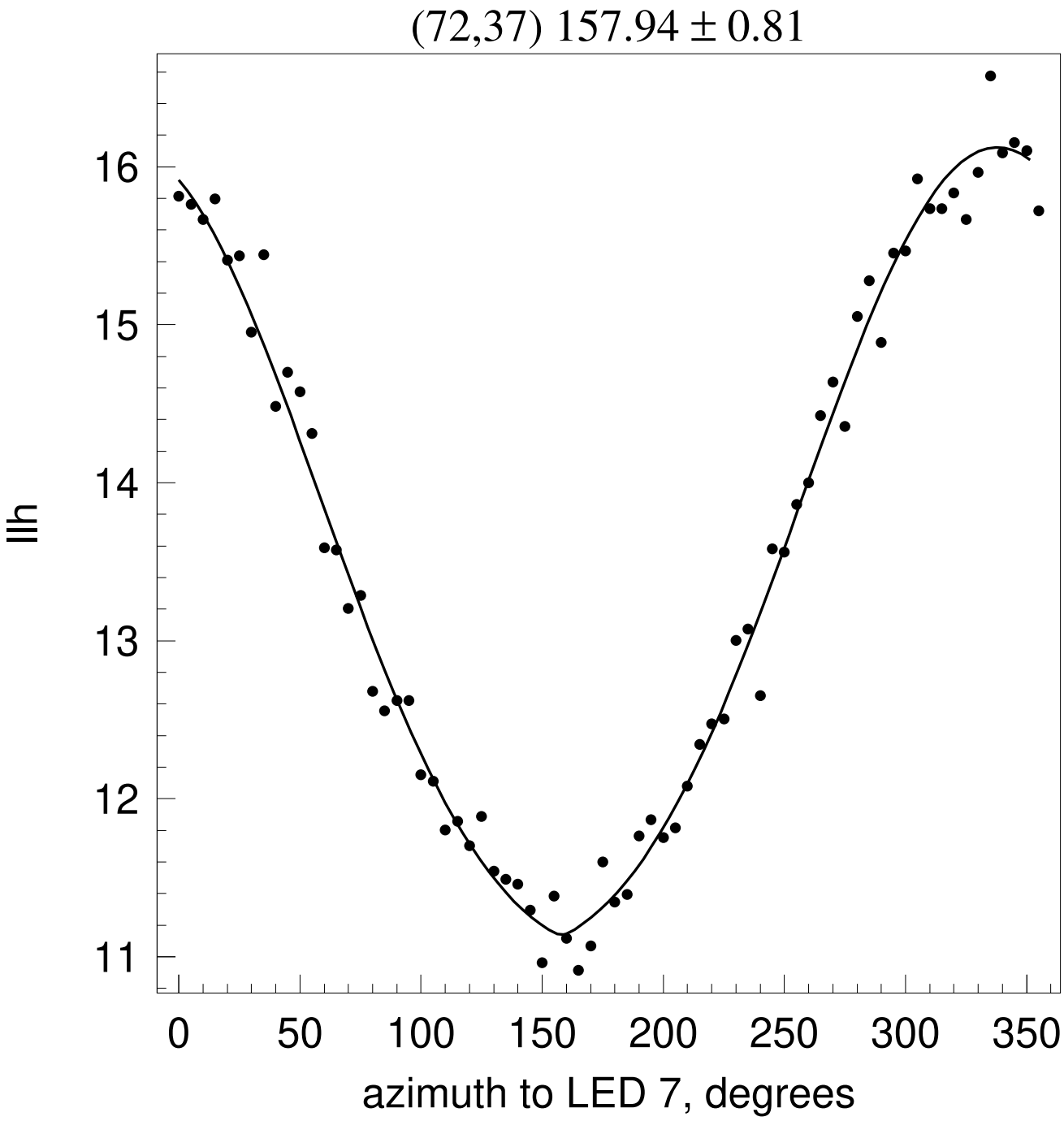

(71,36) 91.24 ± 0.03
27.75
27.5
27.25
27
26.75
26.5
26.25
26
ns
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

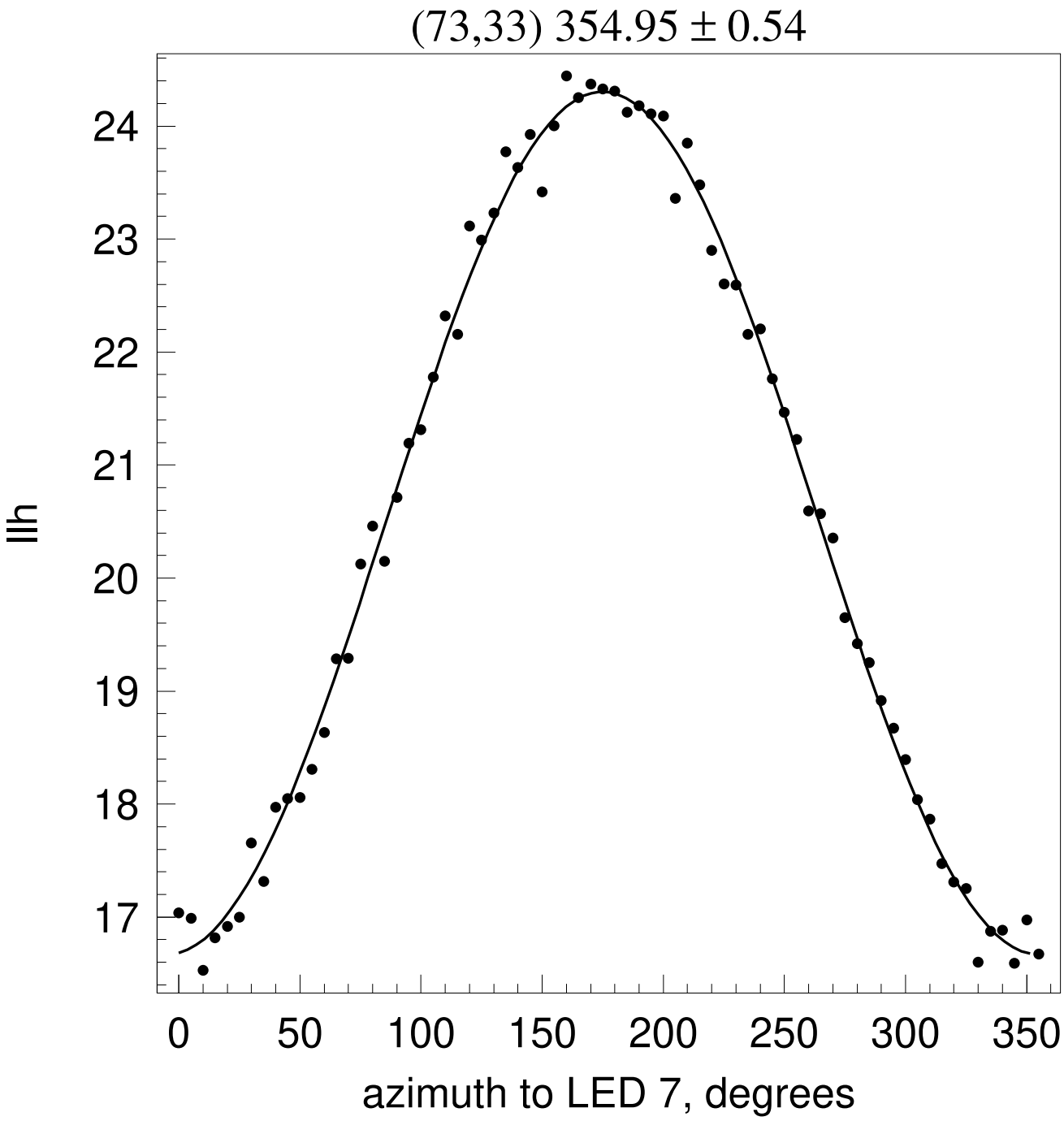

(71,37) 128.62 ± 0.33
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

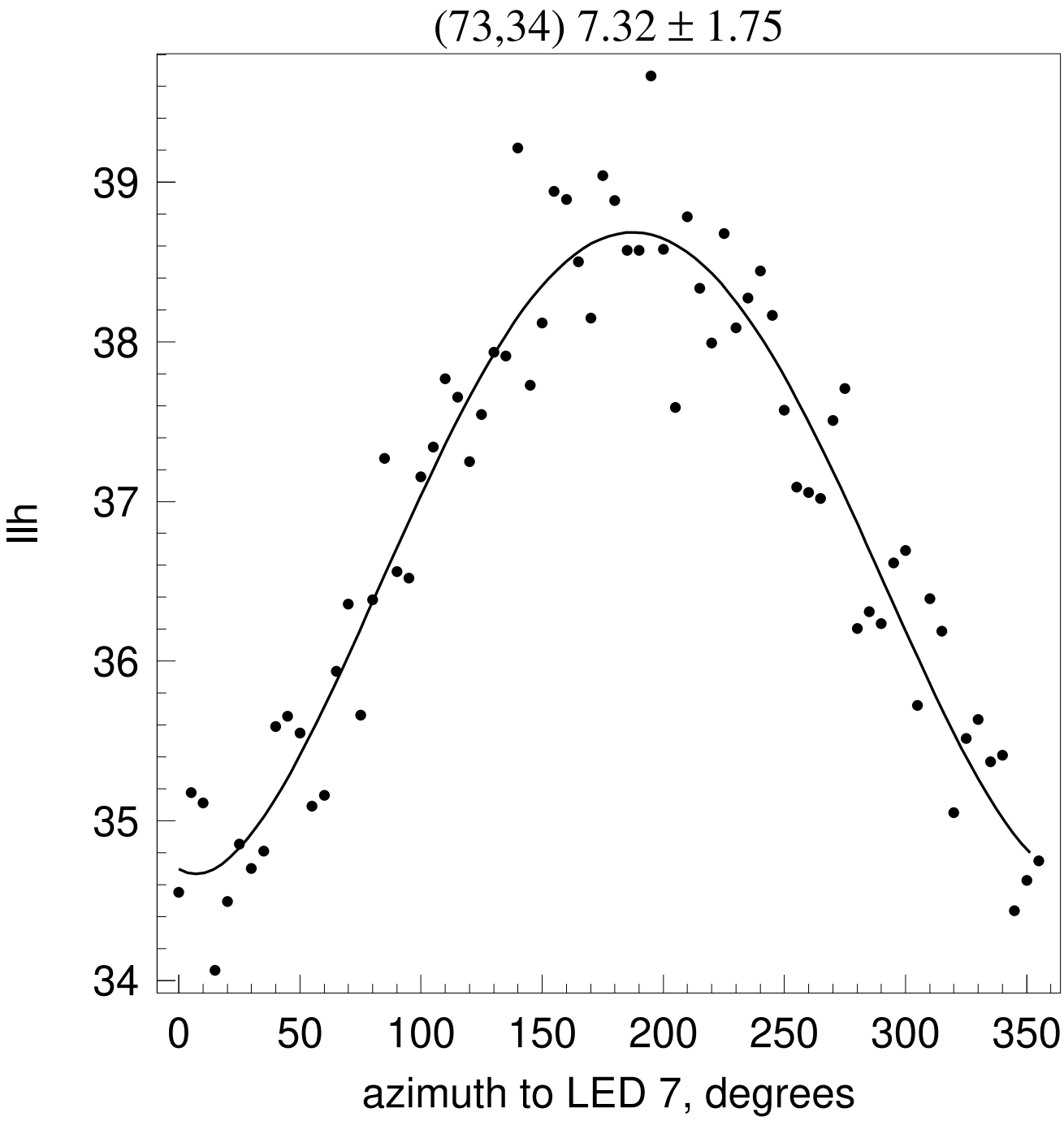

(72,34) 77.73 ± 0.42
26
24
22
20
18
16
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

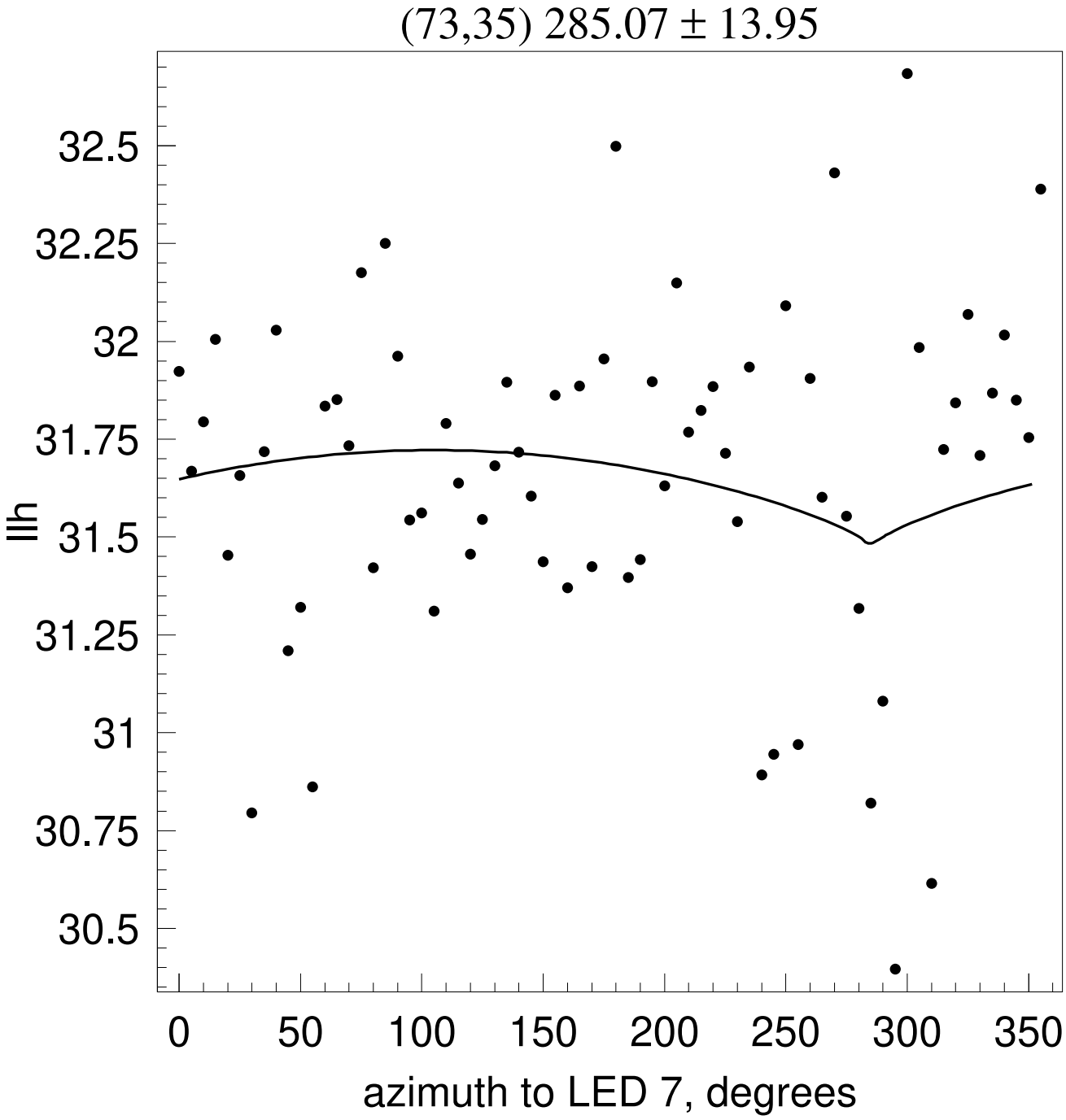

(72,35) 204.60 ± 1.60
17
16.5
16
15.5
15
14.5
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

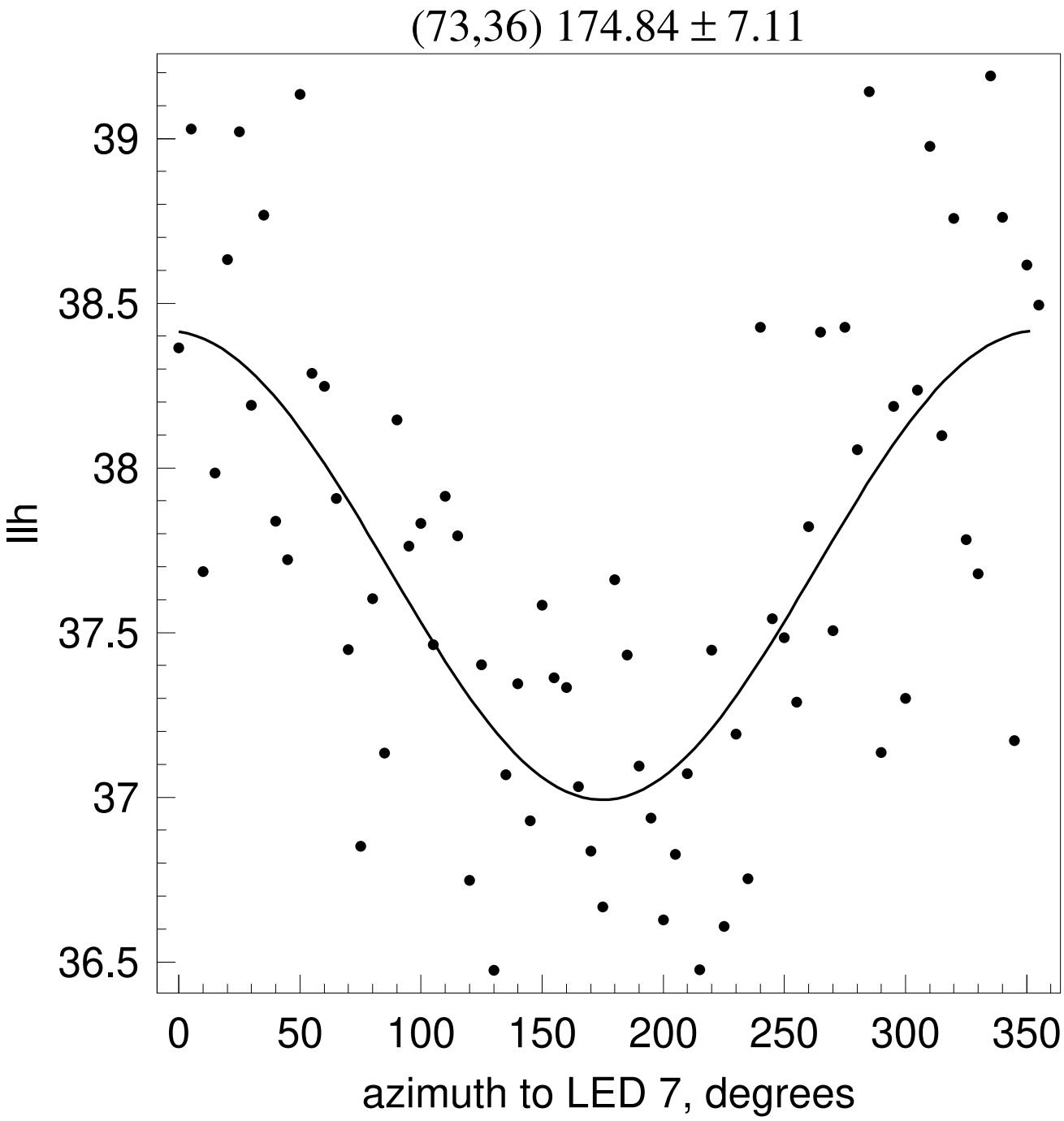

(72,36) 13.90 ± 5.88
15
14.75
14.5
14.25
14
13.75
13.5
13.25
lln
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

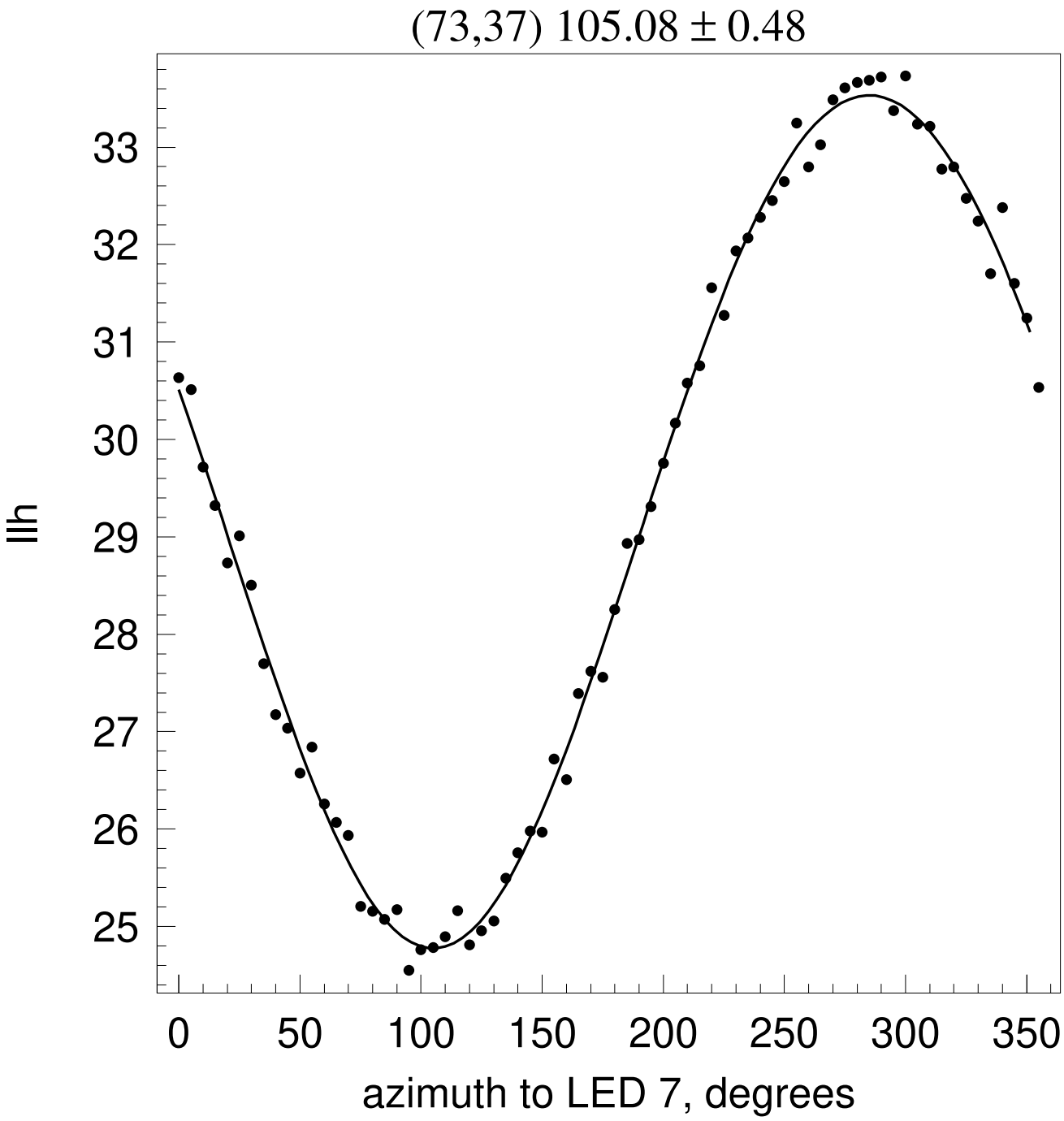

(72,37) 157.94 ± 0.81
16
15
14
13
12
11
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

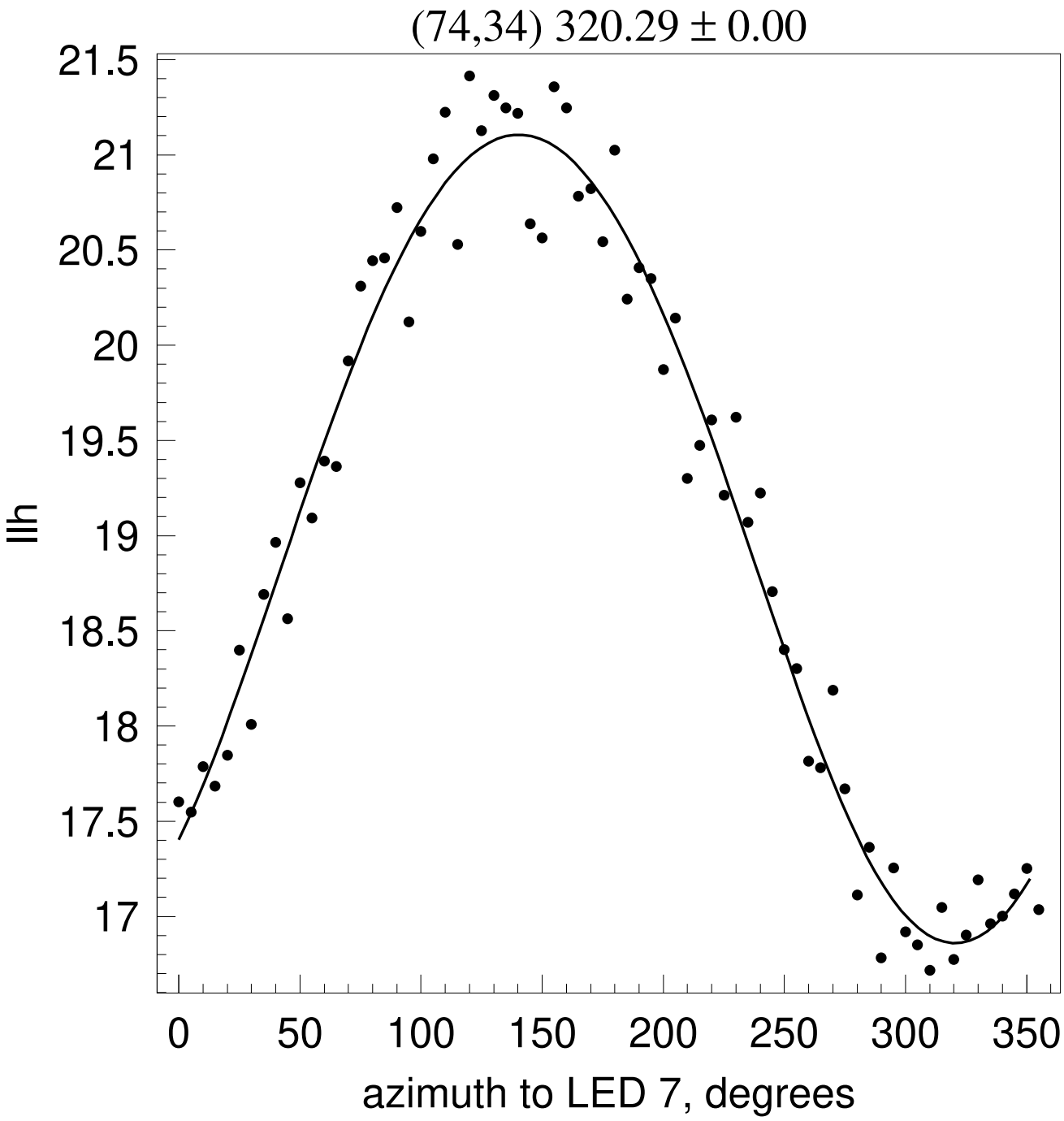

(73,33) 354.95 ± 0.54
24
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

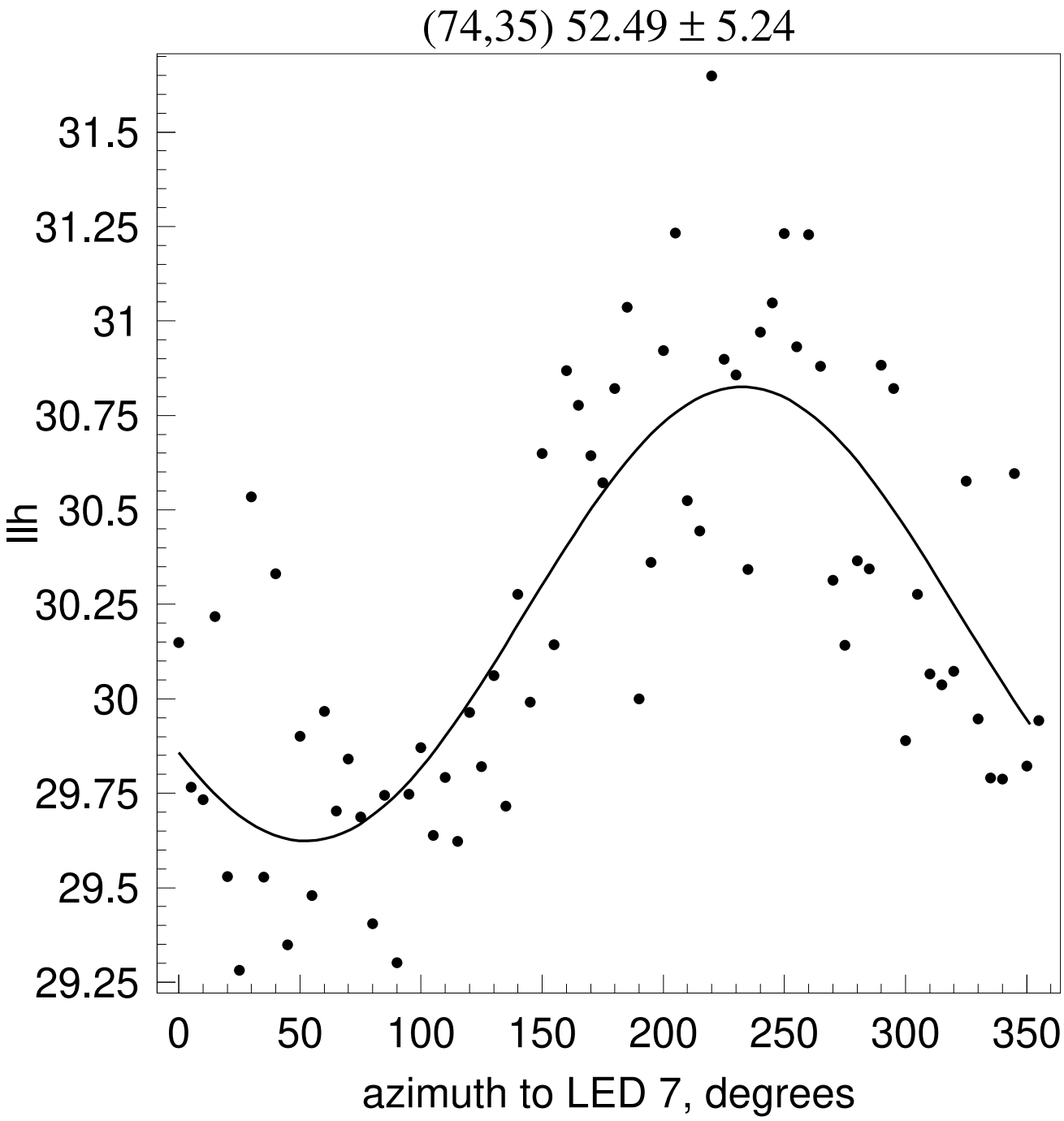

(73,34) 7.32 ± 1.75
llh
39
38
37
36
35
34
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

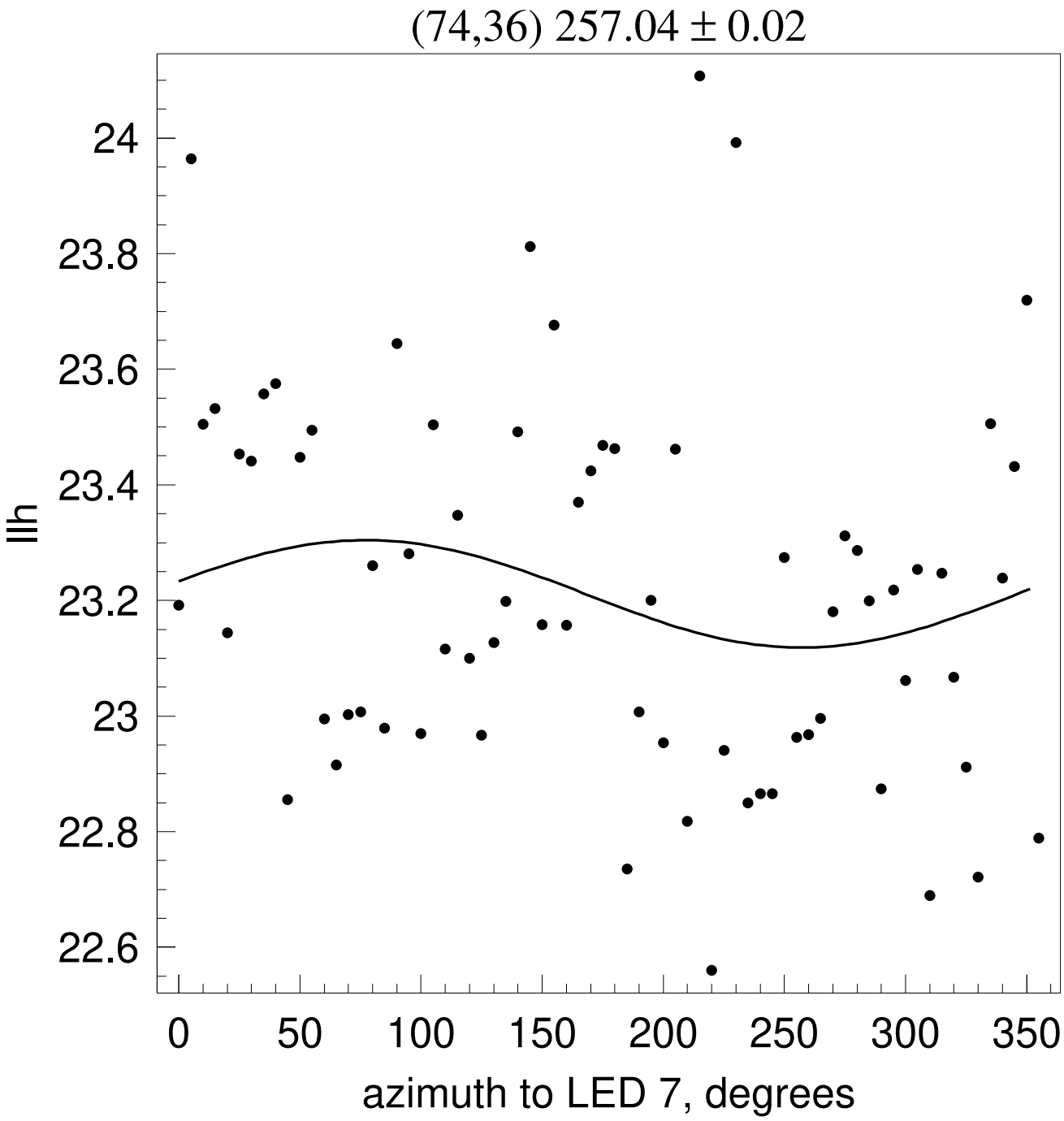

(73,35) 285.07 ± 13.95
32.5
32.25
32
31.75
31.5
31.25
31
30.75
30.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

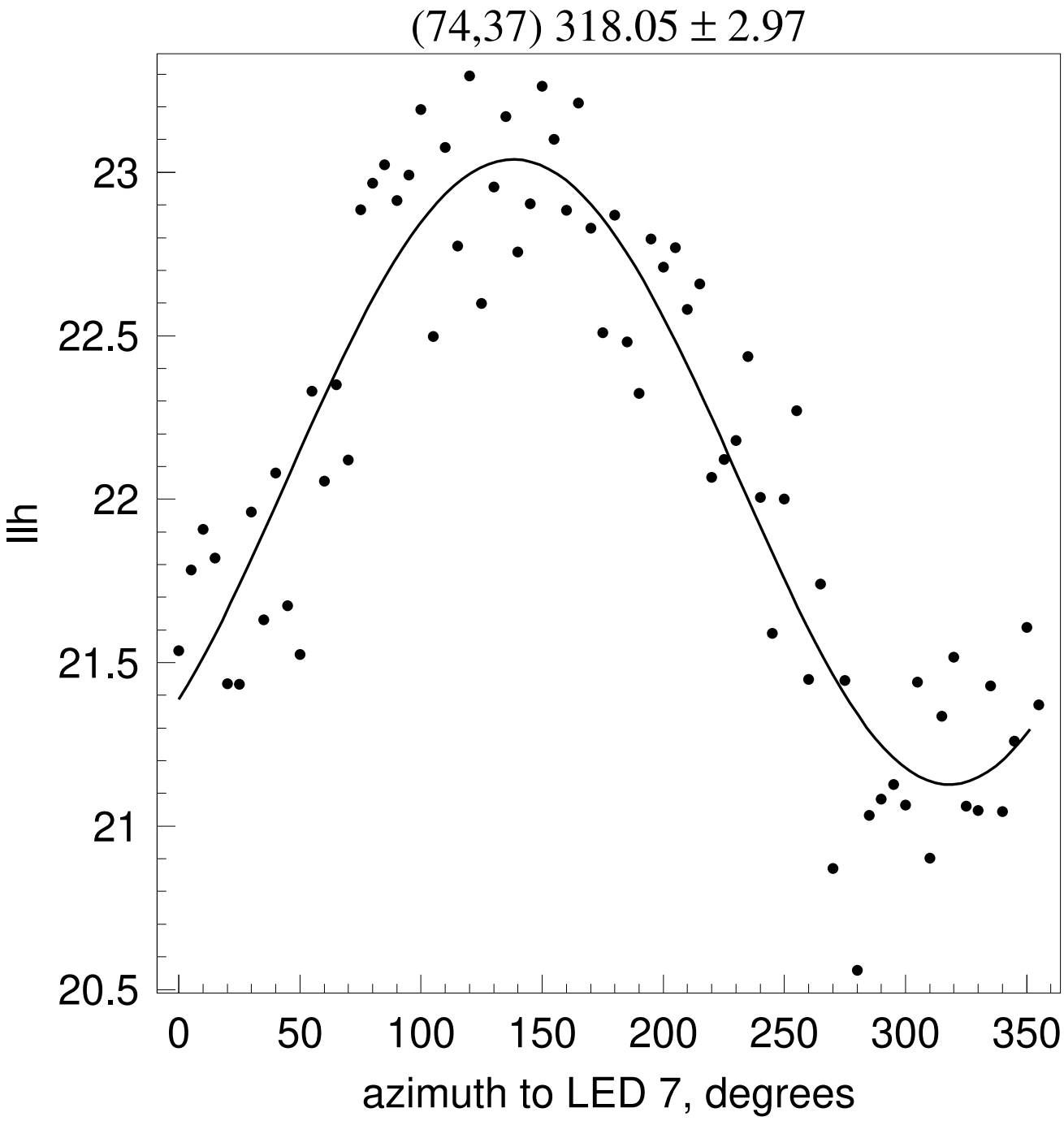

(73,36) 174.84 ± 7.11
39
38.5
38
37.5
37
36.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

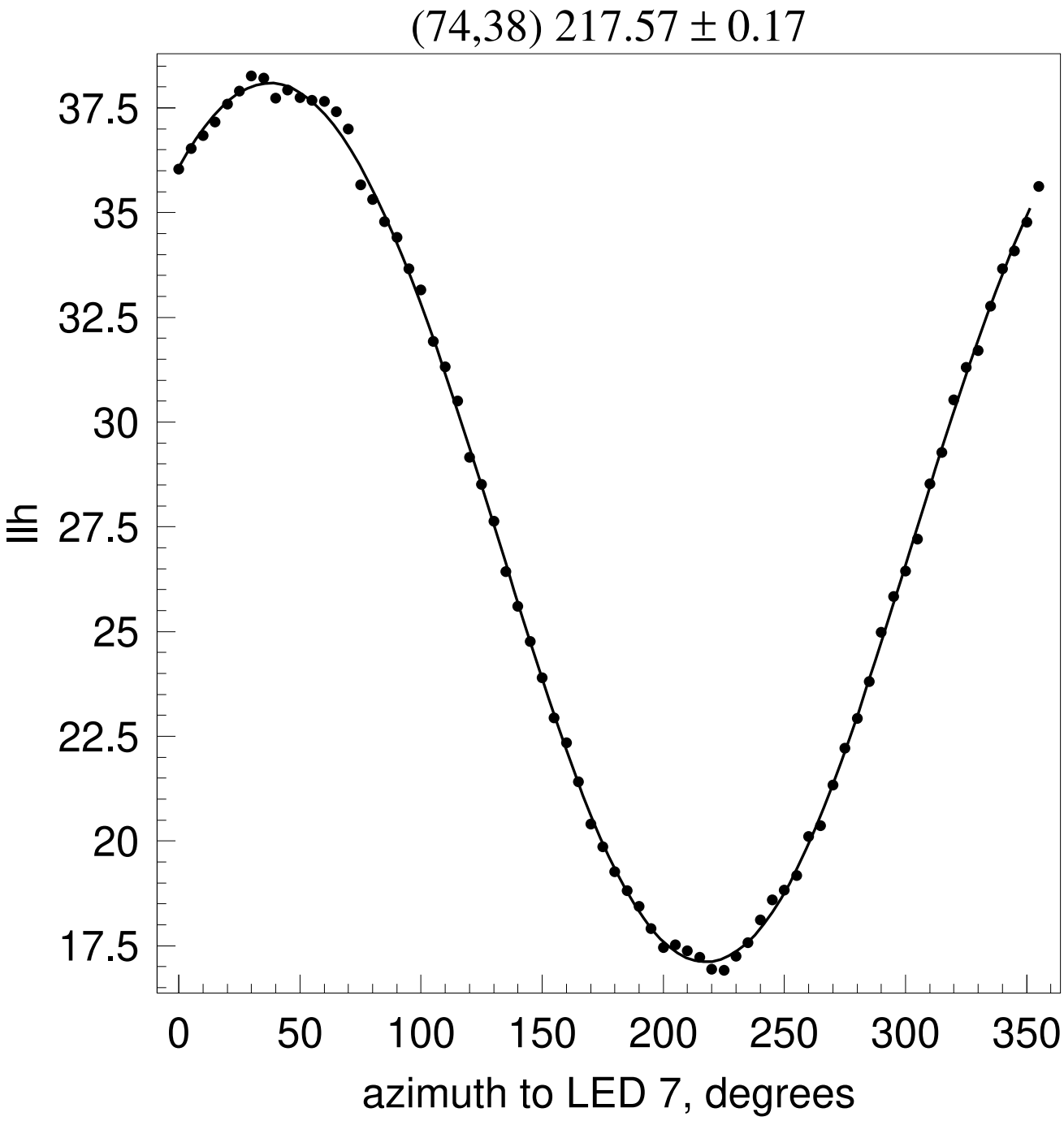

(73,37) 105.08 ± 0.48
33
32
31
30
29
28
27
26
25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

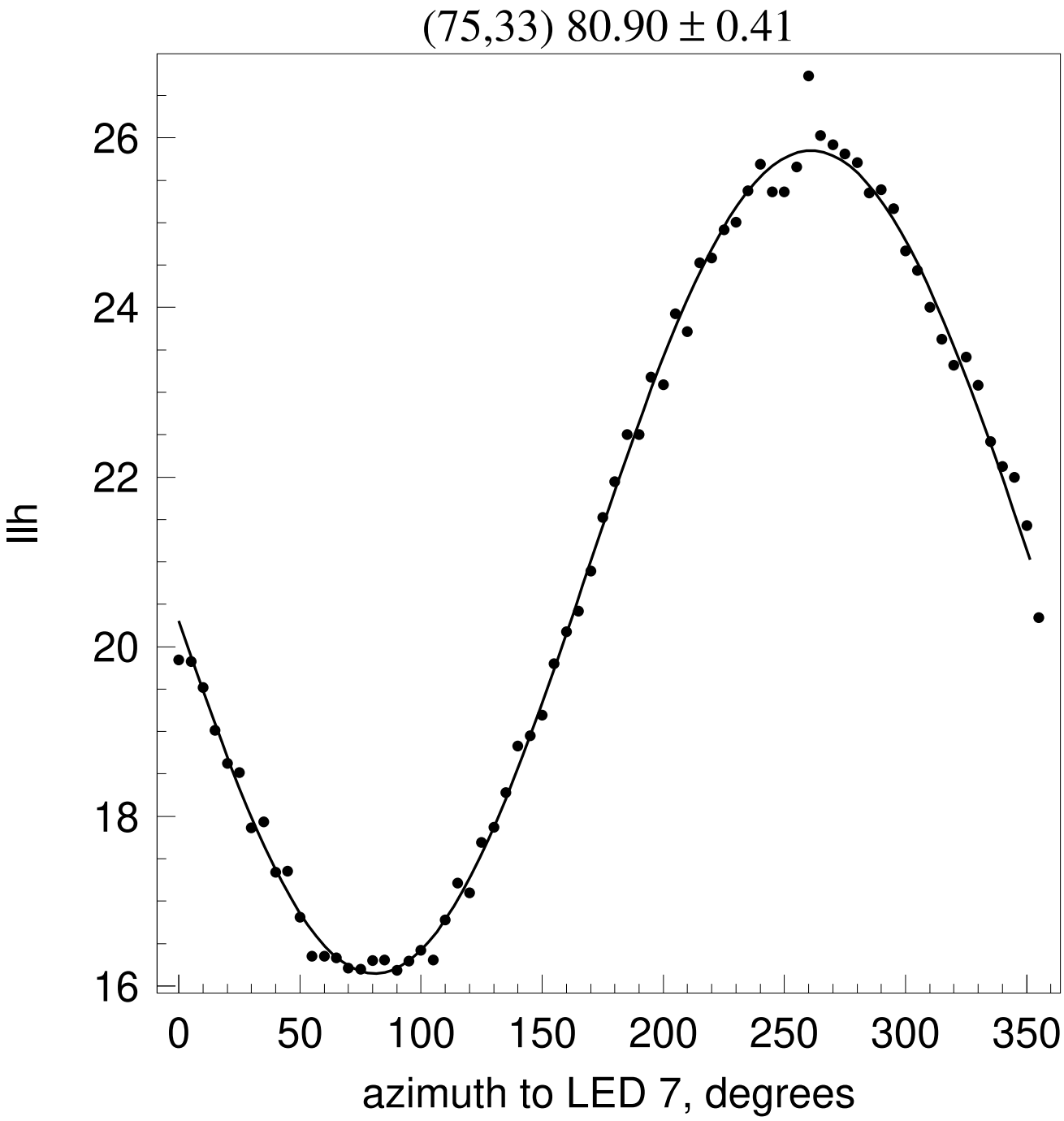

(74,34) 320.29 ± 0.00
21.5
21
20.5
20
19.5
19
18.5
18
17.5
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

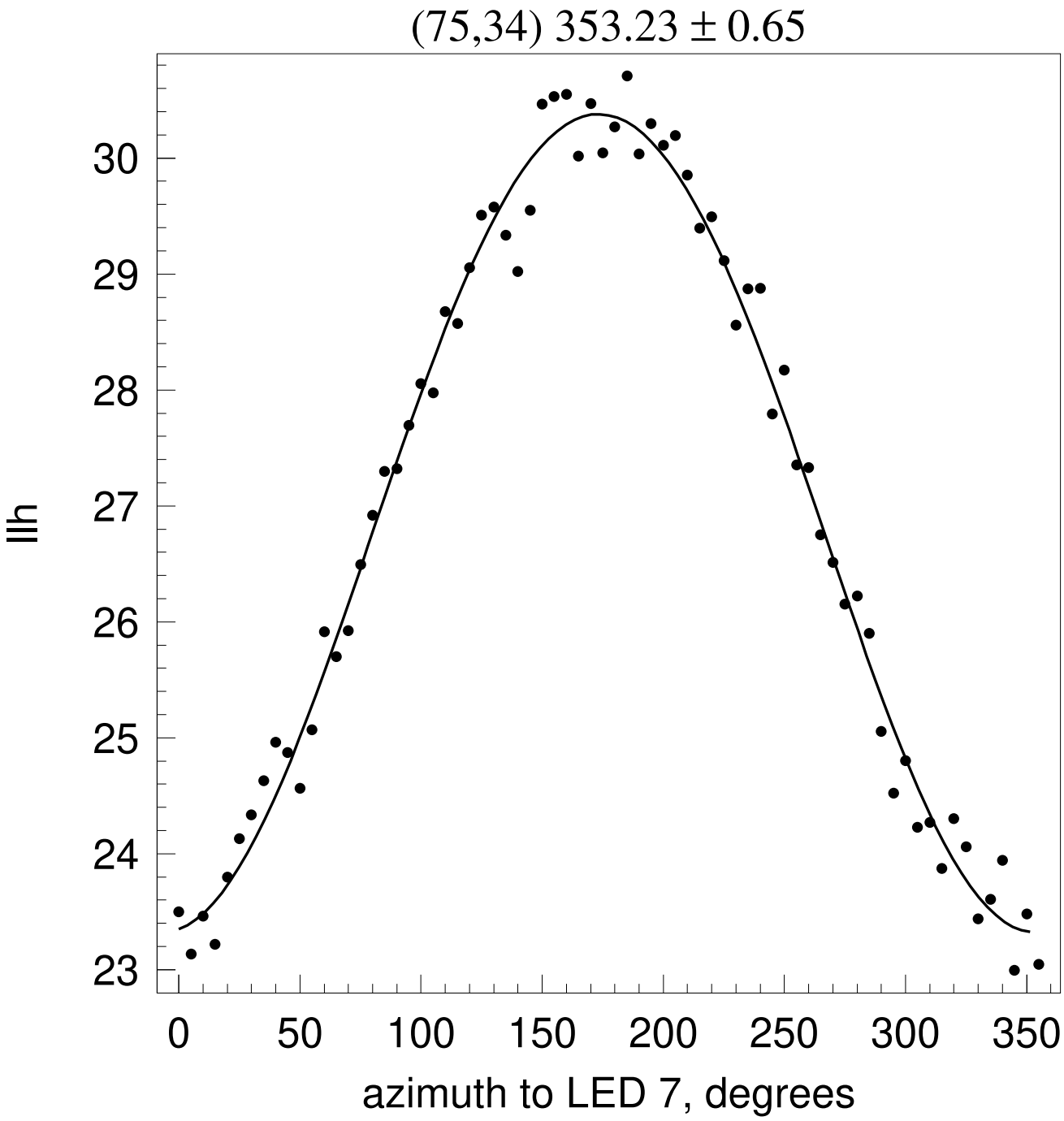

(74,35) 52.49 ± 5.24
31.5
31.25
31
30.75
30.5
30.25
30
29.75
29.5
29.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

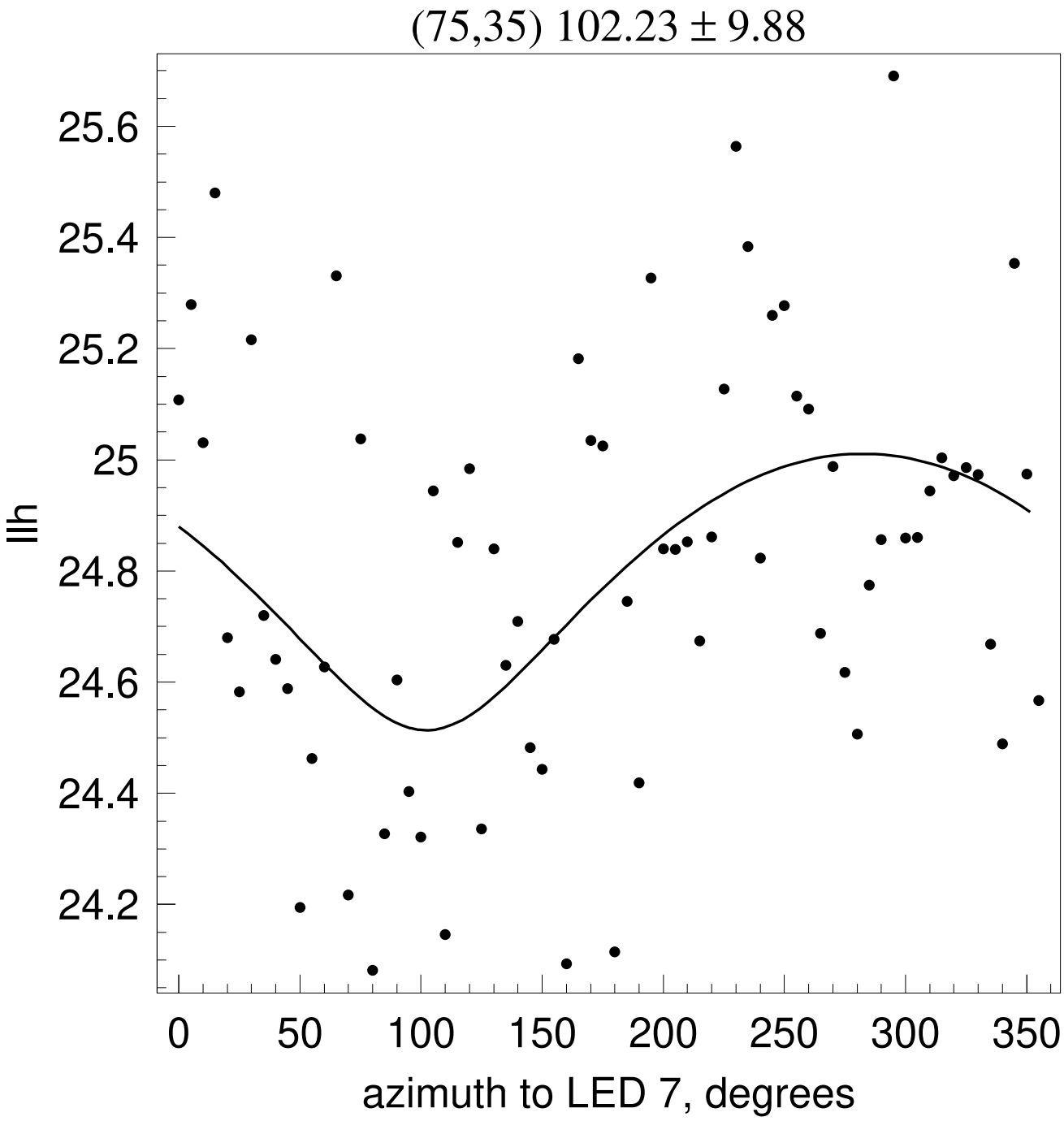

(74,36) 257.04 ± 0.02
24
23.8
23.6
23.4
23.2
23
22.8
22.6
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

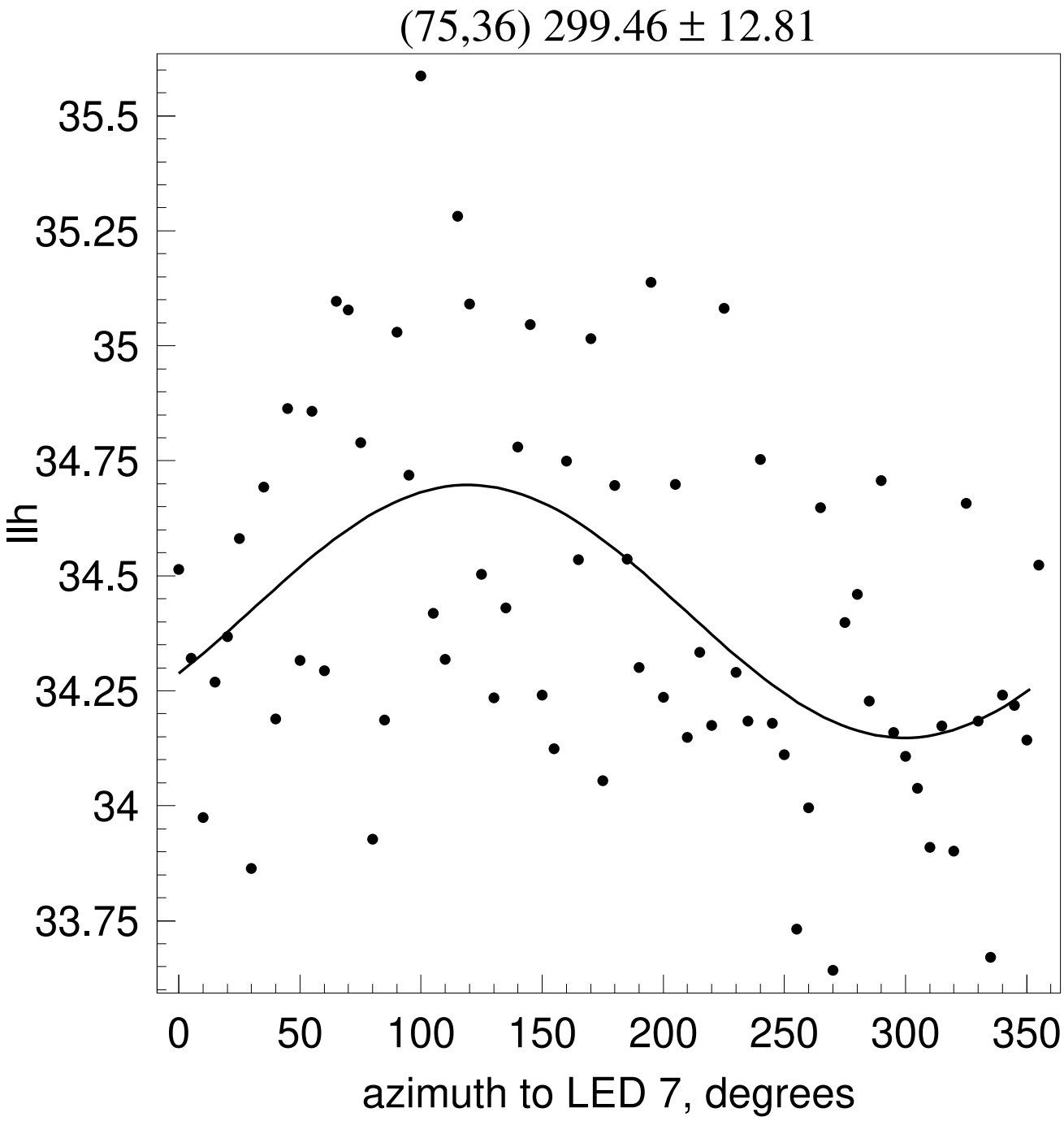

(74,37) 318.05 ± 2.97
23
22.5
22
21.5
21
20.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

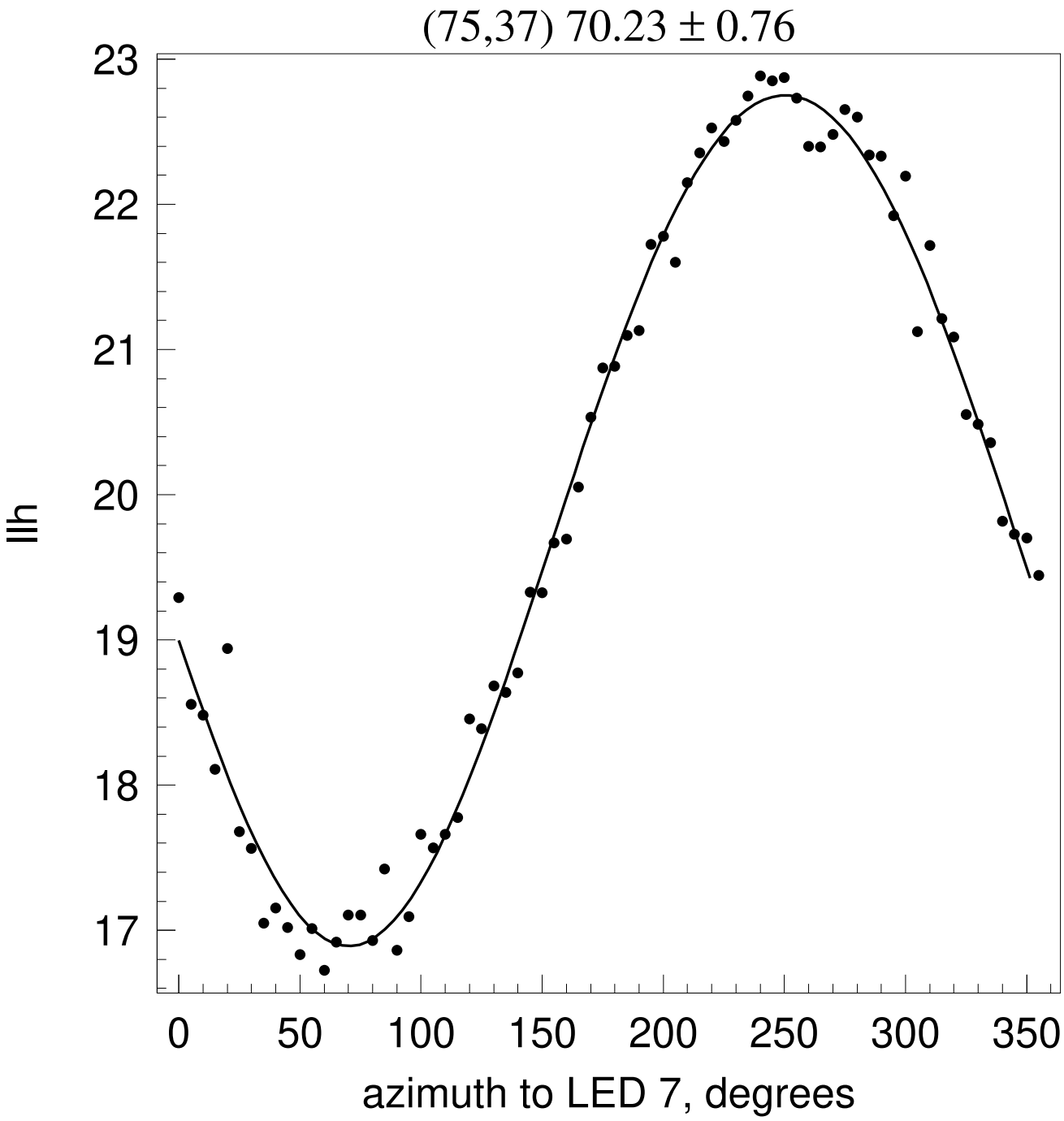

(74,38) 217.57 ± 0.17
37.5
35
32.5
30
27.5
25
22.5
20
17.5
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

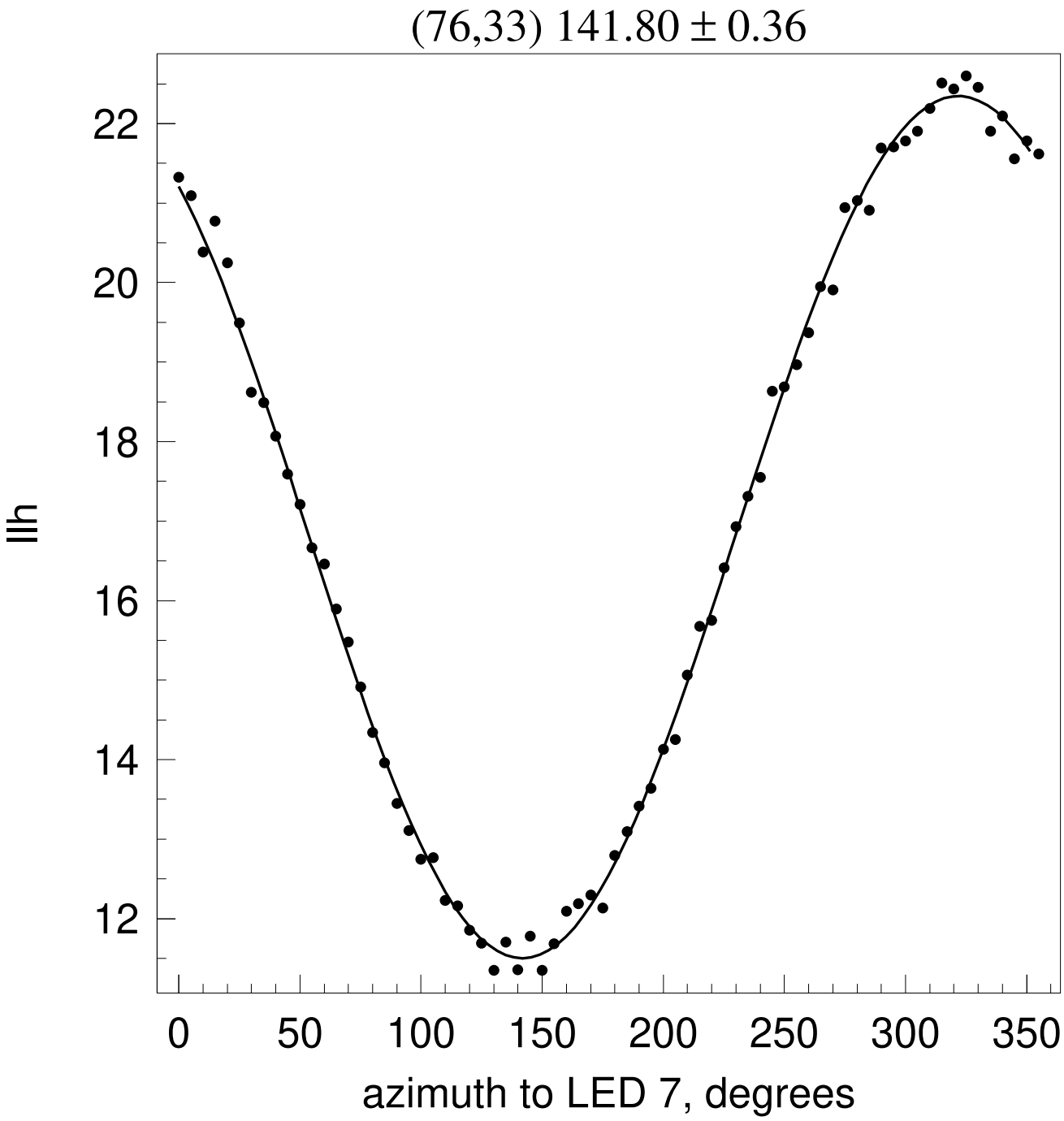

(75,33) 80.90 ± 0.41
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

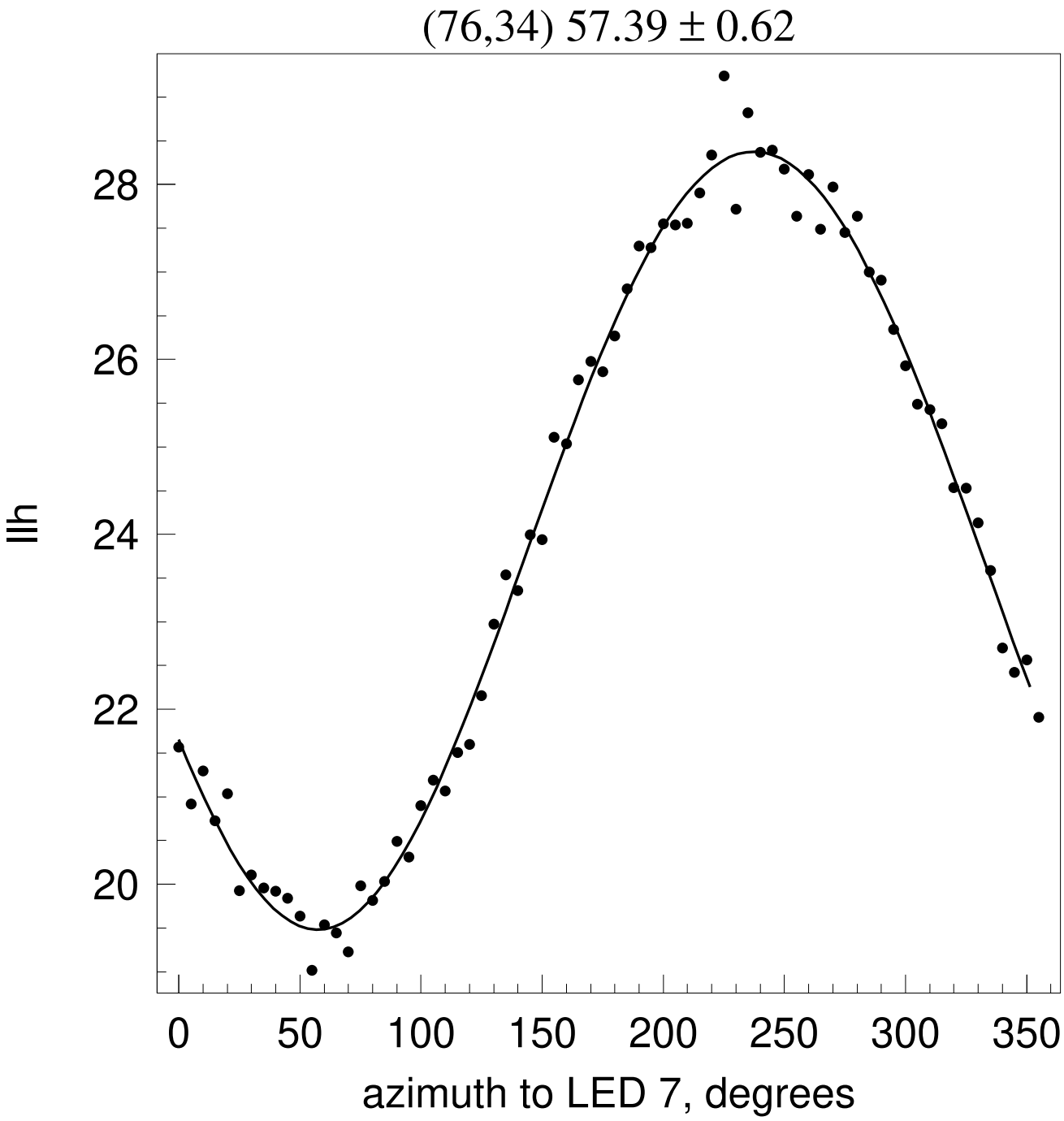

(75,34) 353.23 ± 0.65
30
29
28
27
26
25
24
23
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

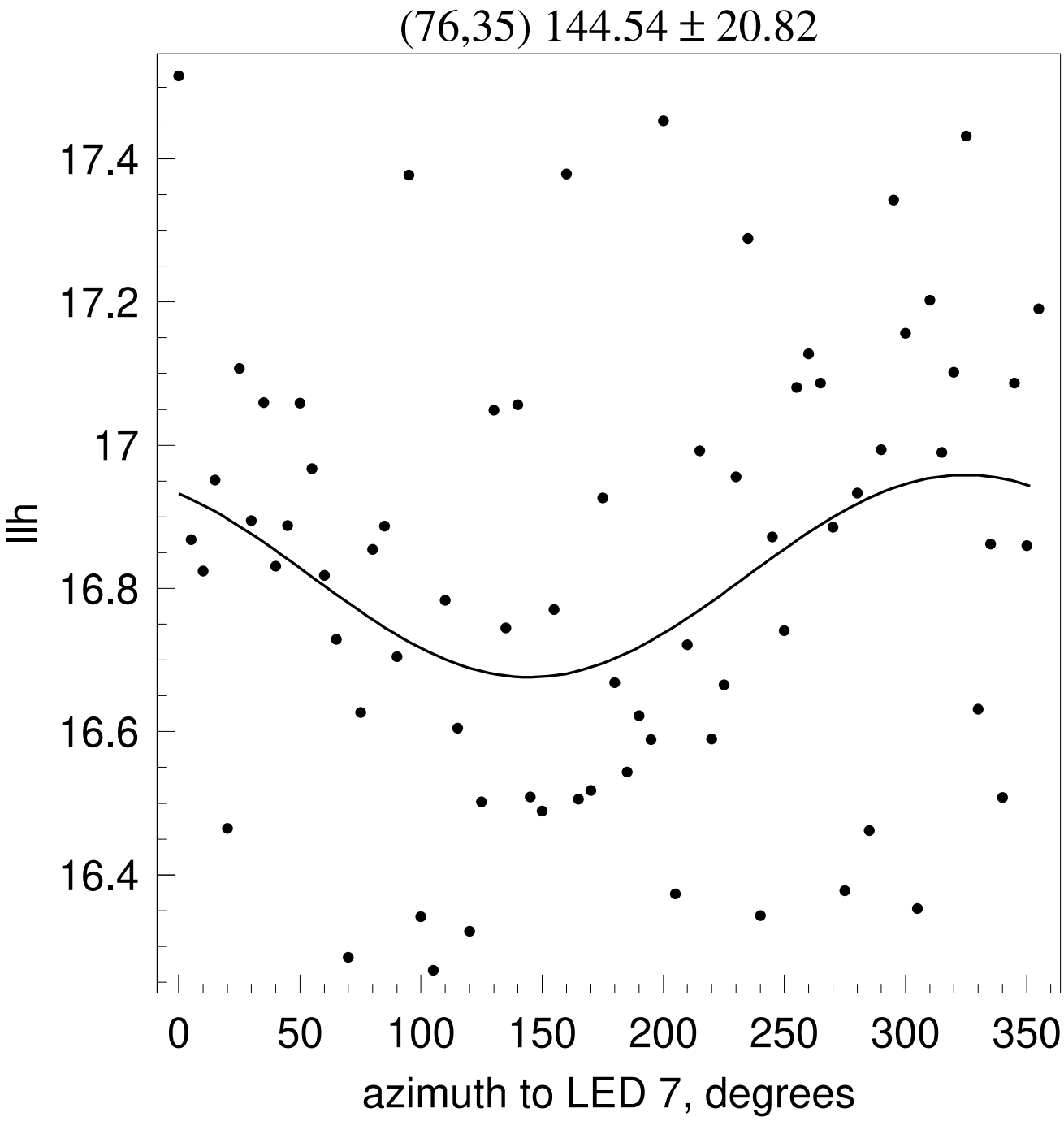

(75,35) 102.23 ± 9.88
llh
25.6
25.4
25.2
25
24.8
24.6
24.4
24.2
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

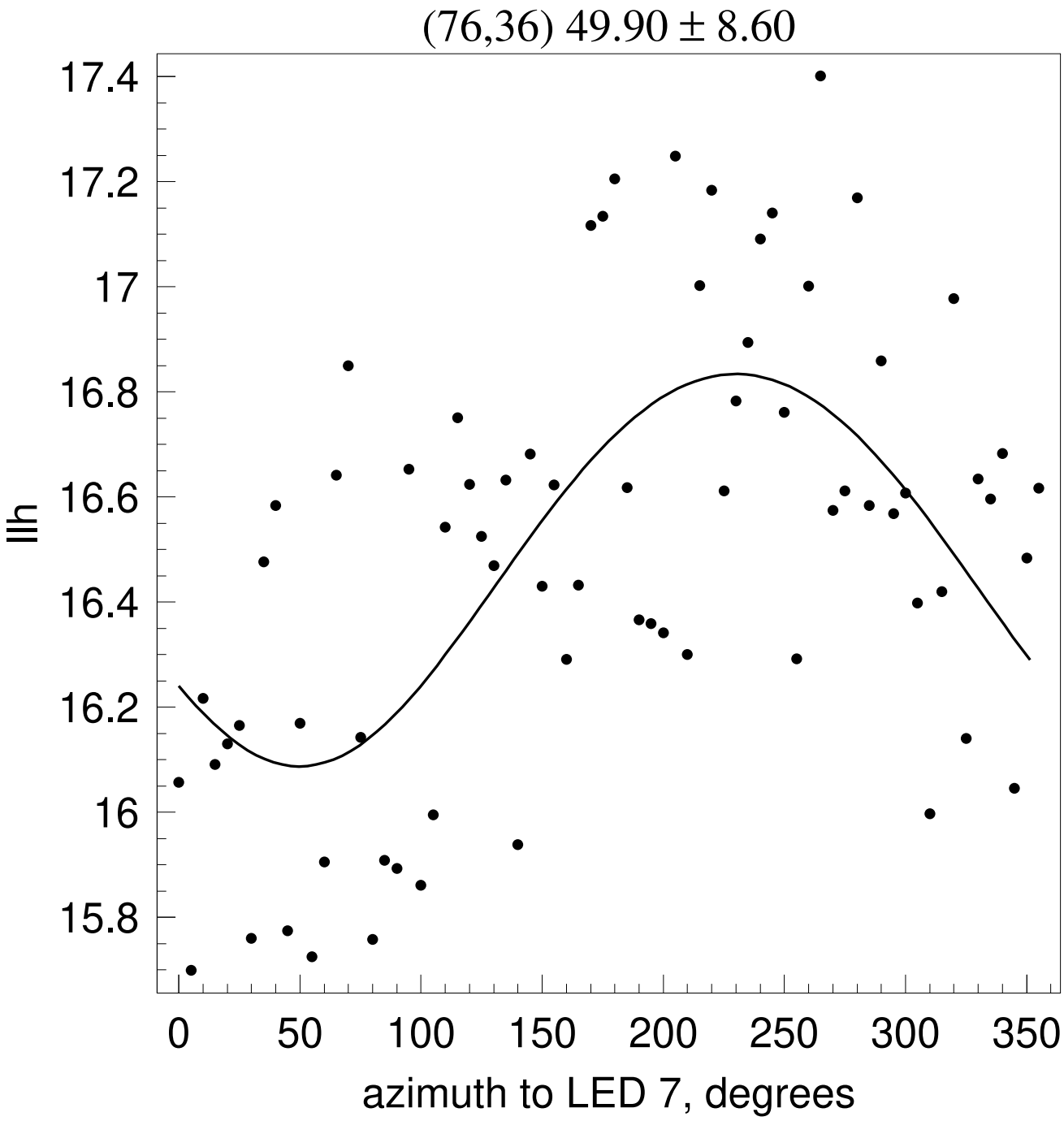

(75,36) 299.46 ± 12.81
35.5
35.25
35
34.75
34.5
34.25
34
33.75
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

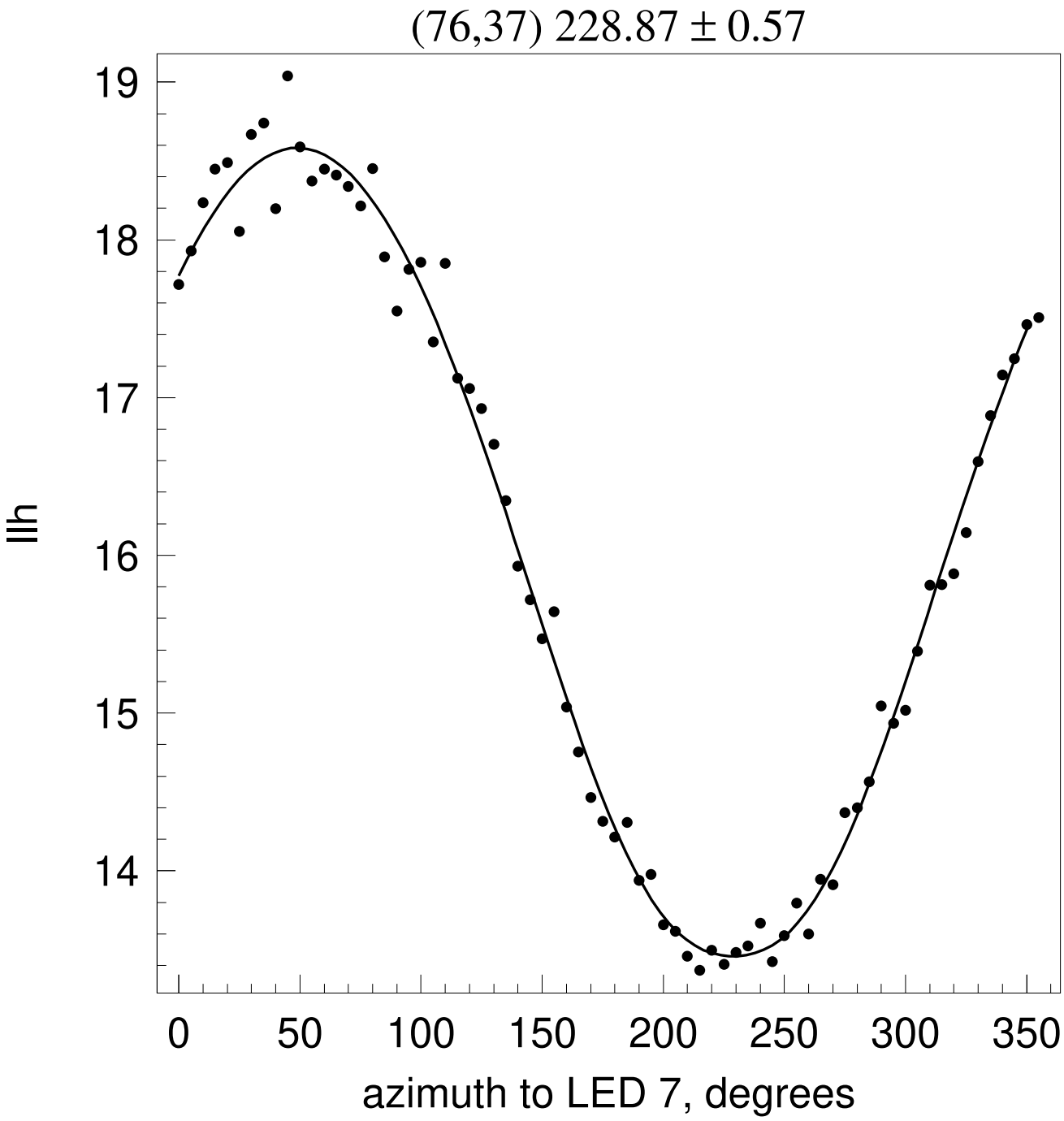

(75,37) 70.23 ± 0.76
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

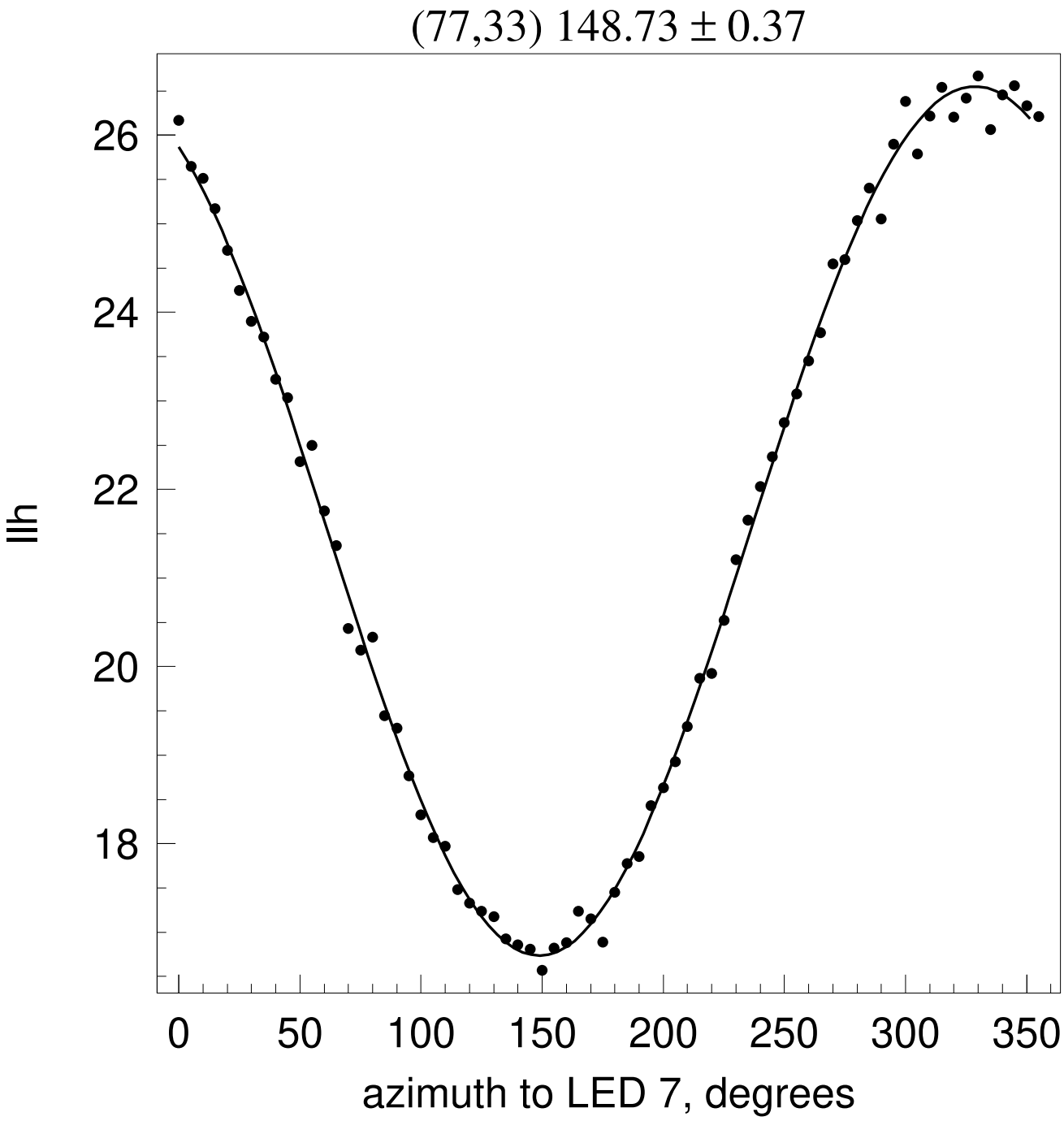

(76,33) 141.80 ± 0.36
22
20
18
16
14
12
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

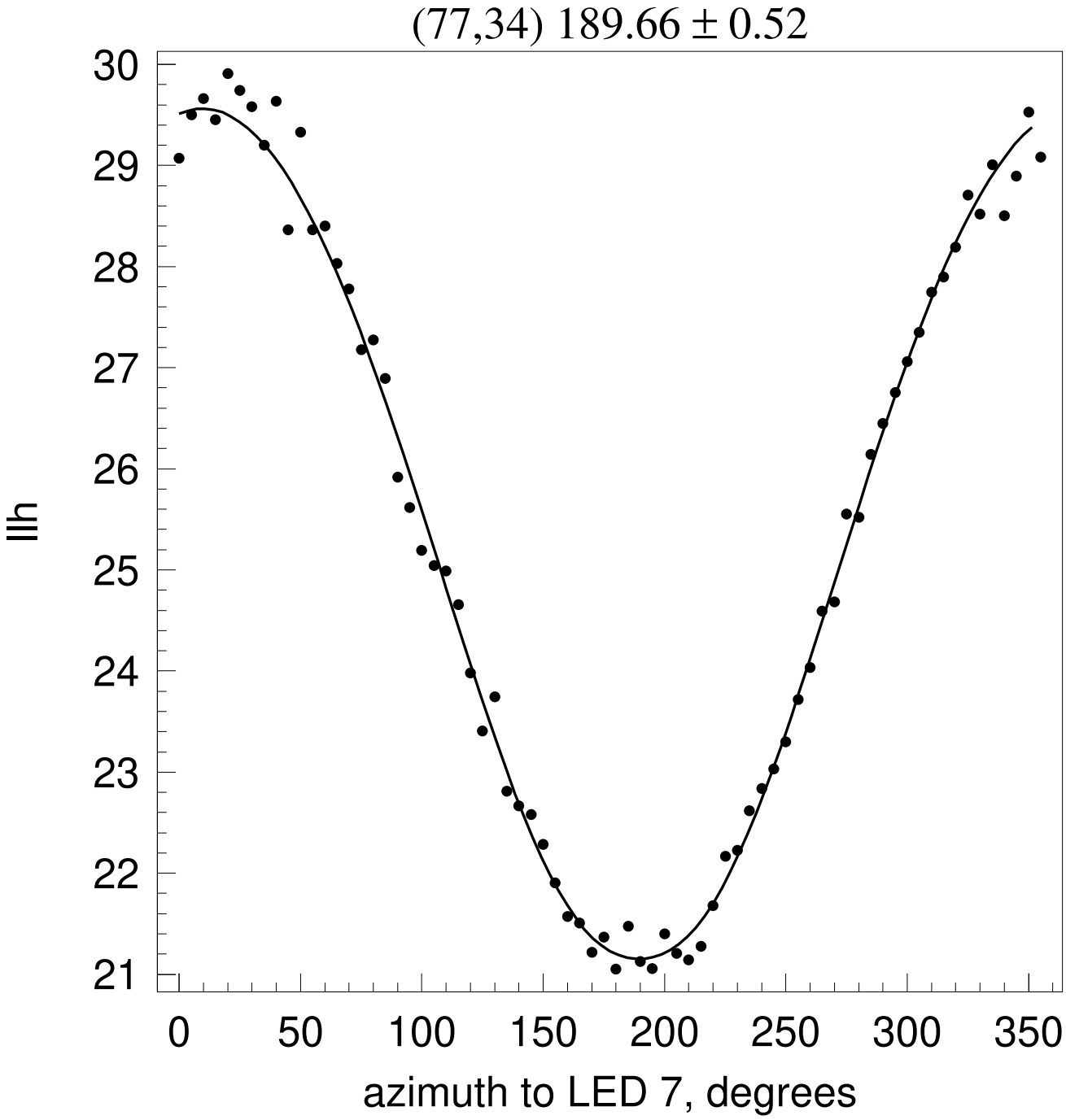

(76,34) 57.39 ± 0.62
28
26
24
22
20
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

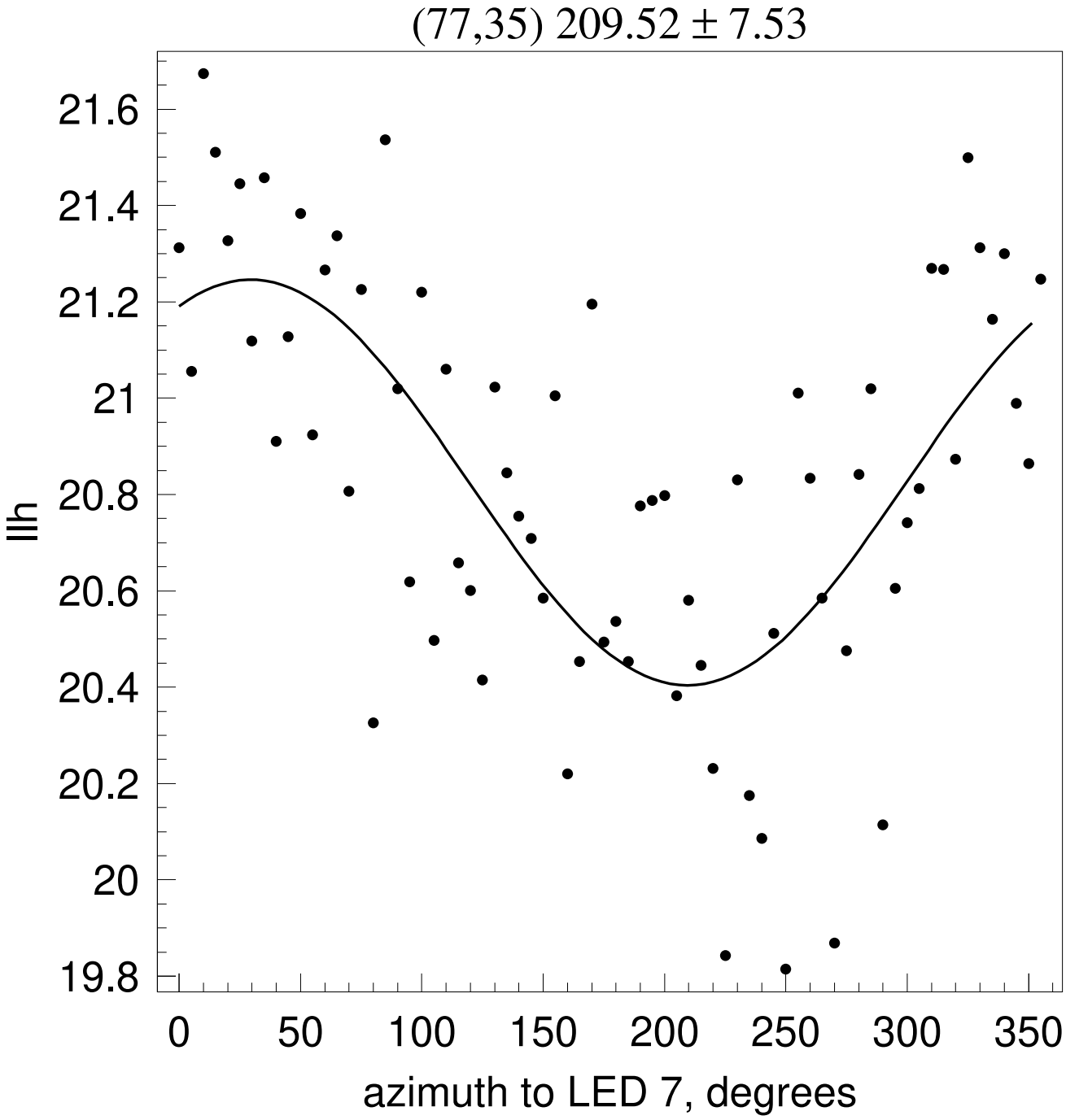

(76,35) 144.54 ± 20.82
17.4
17.2
17
16.8
16.6
16.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

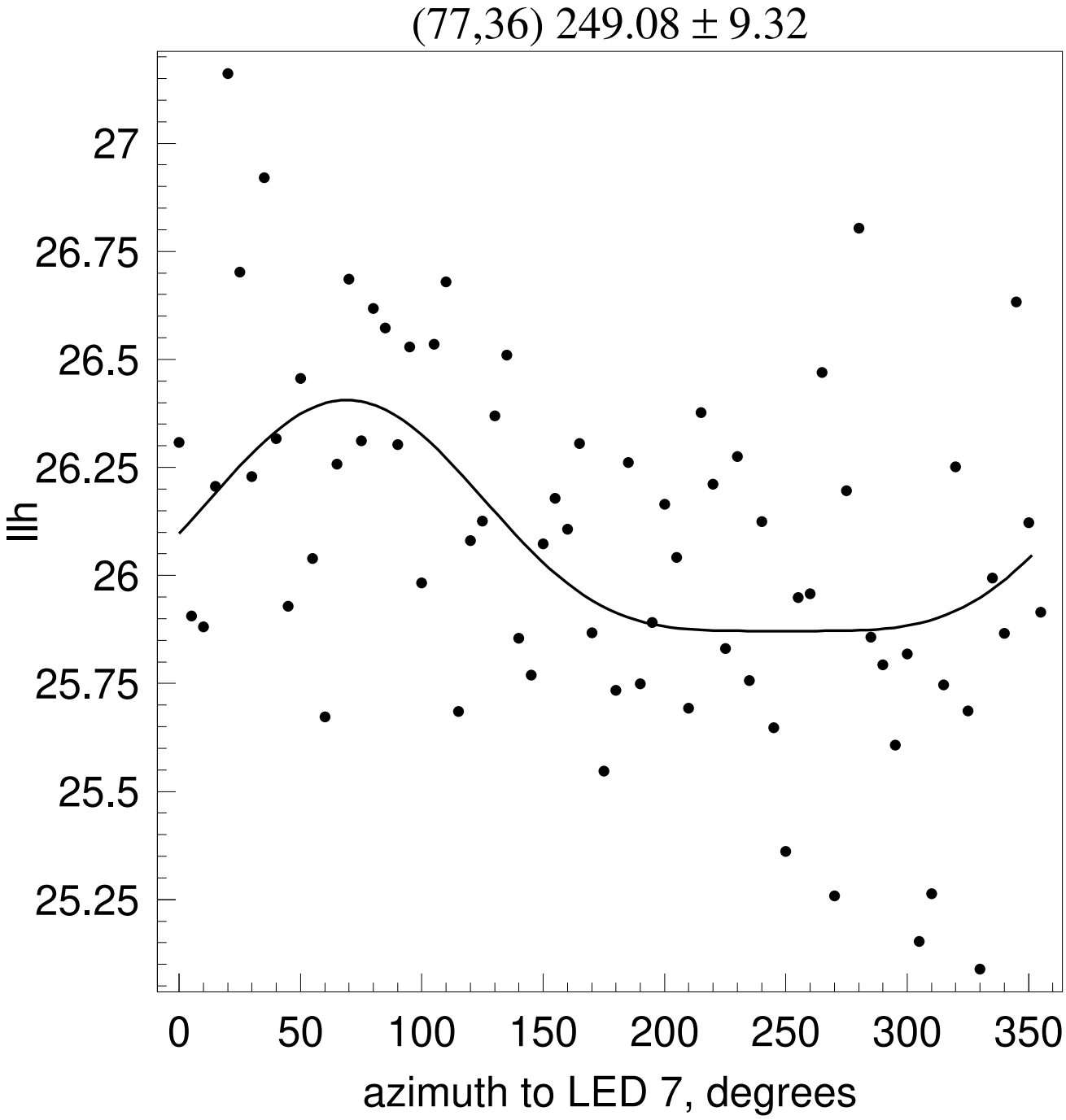

(76,36) 49.90 ± 8.60
17.4
17.2
17
16.8
16.6
16.4
16.2
16
15.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

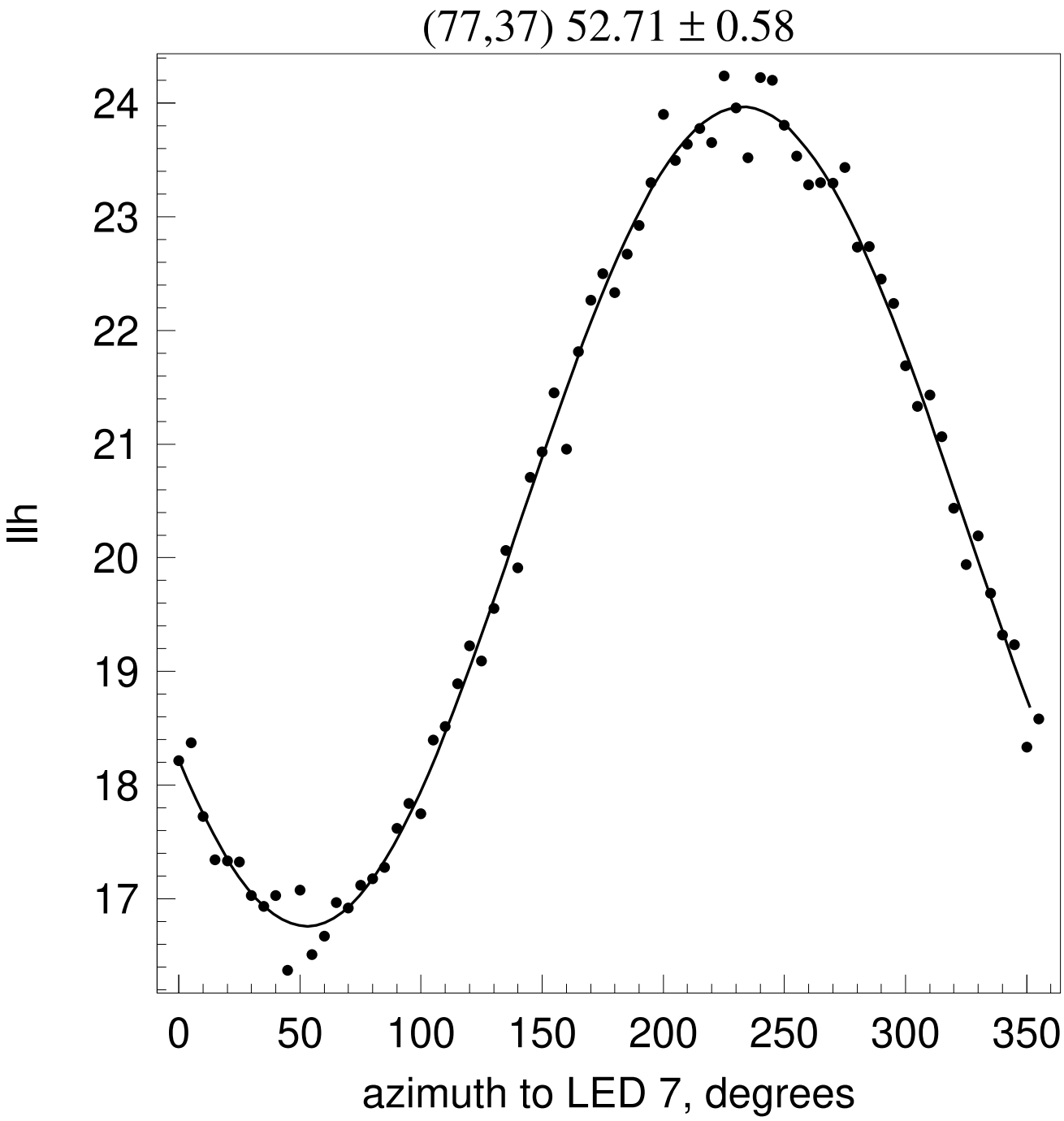

(76,37) 228.87 ± 0.57
19
18
17
16
15
14
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

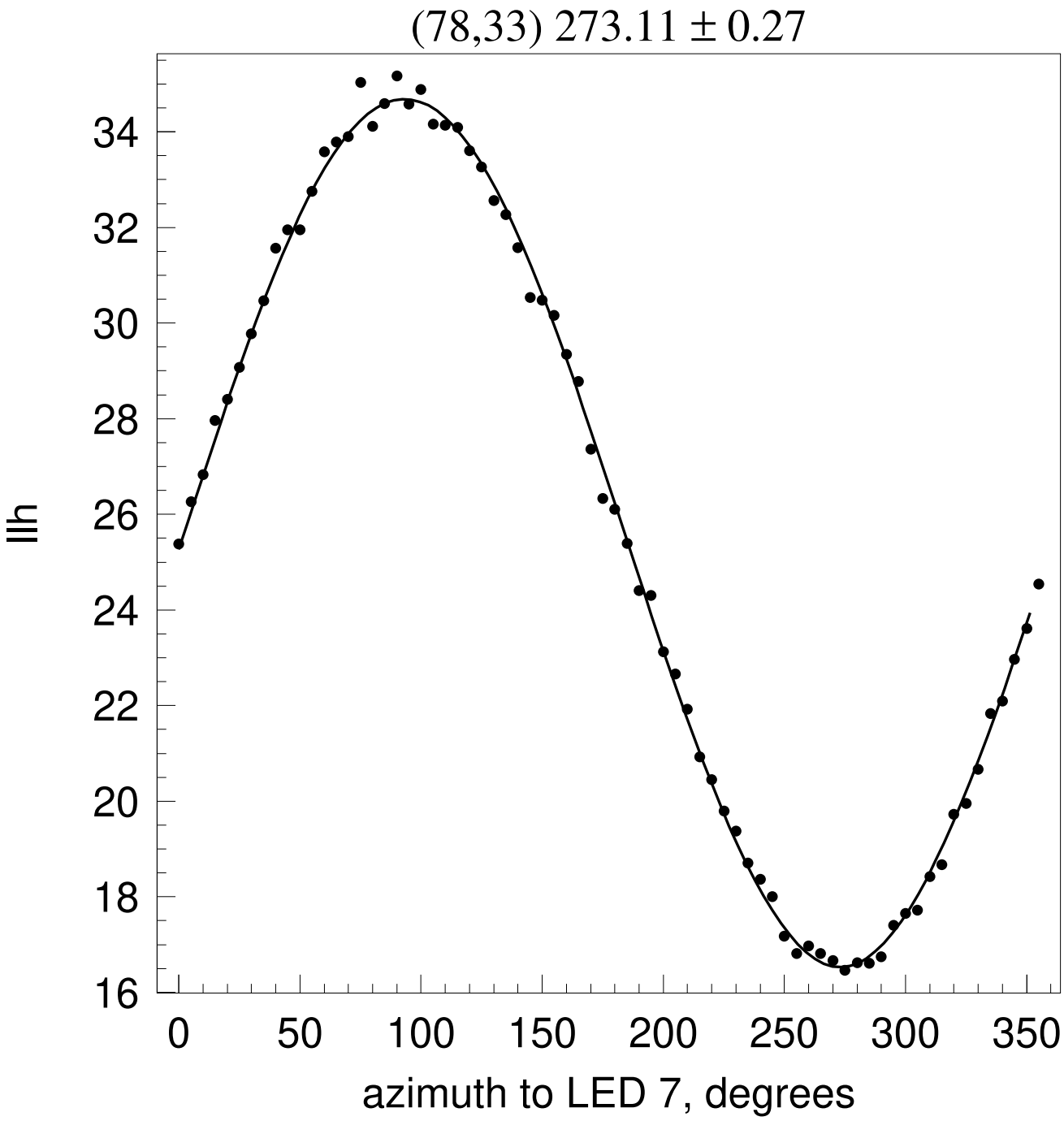

(77,33) 148.73 ± 0.37
26
24
22
20
18
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

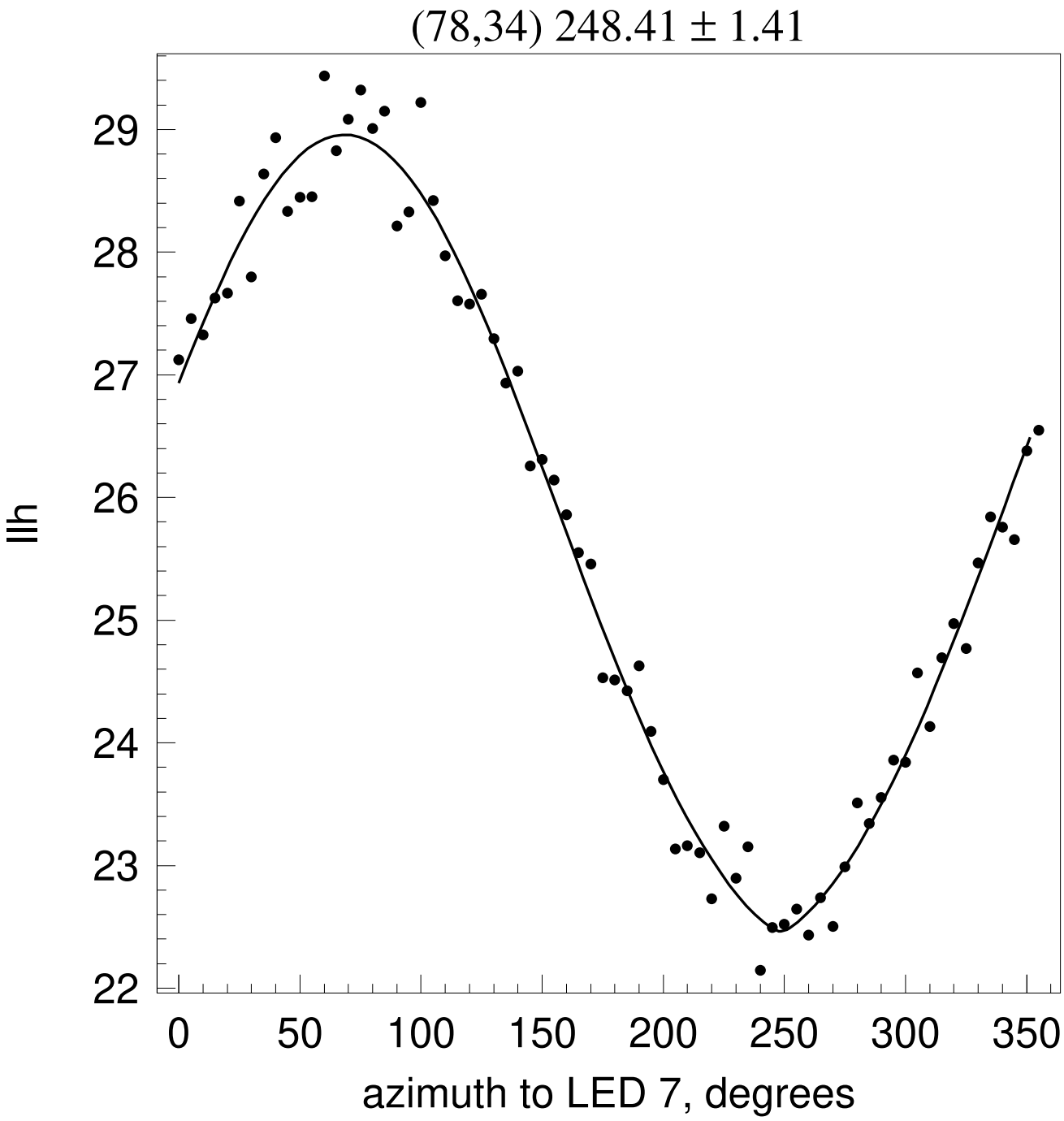

(77,34) 189.66 ± 0.52
30
29
28
27
26
25
24
23
22
21
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

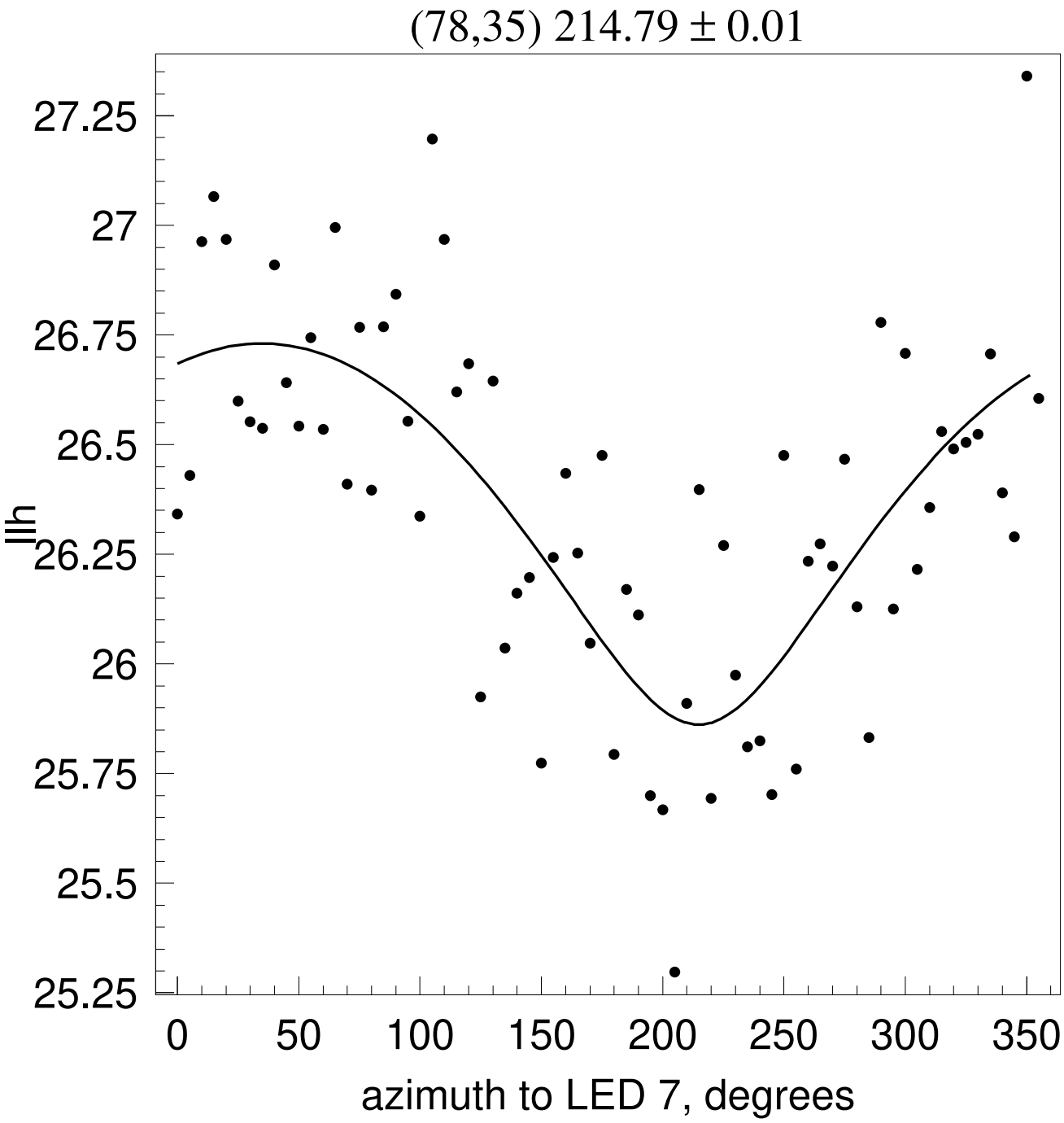

(77,35) 209.52 ± 7.53
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2
20
19.8
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

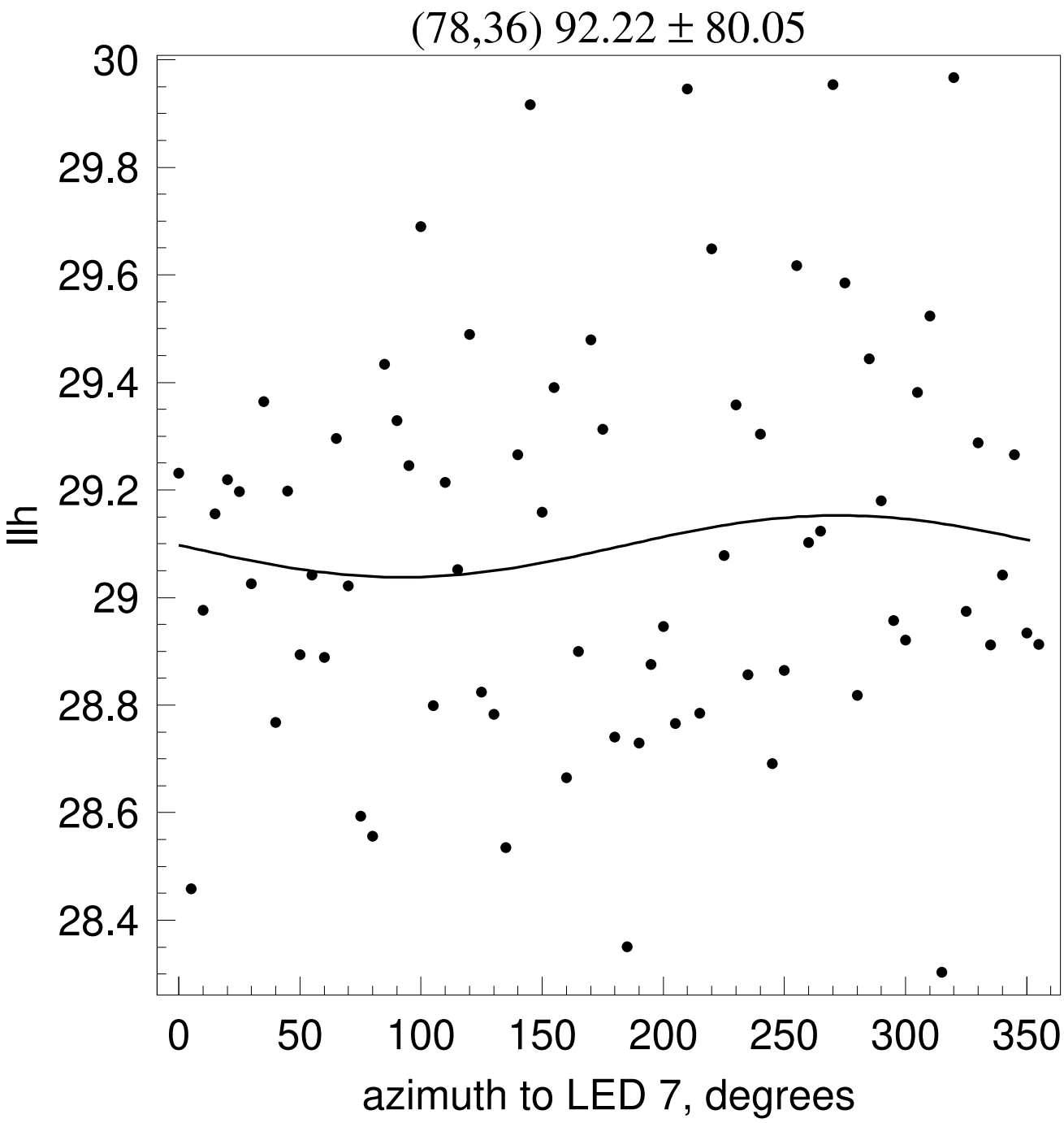

(77,36) 249.08 ± 9.32
27
26.75
26.5
26.25
26
25.75
25.5
25.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees

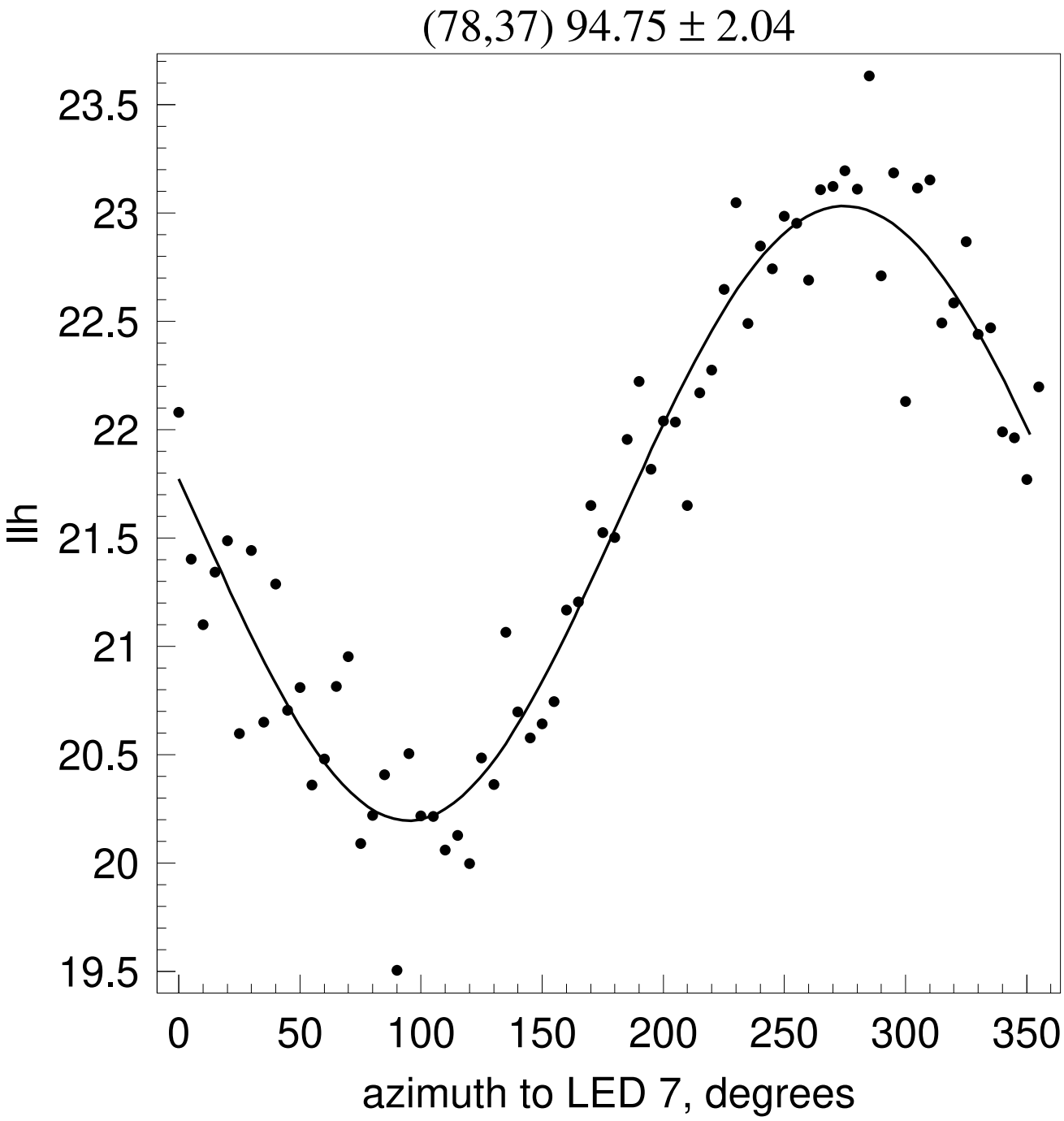

(77,37) 52.71 ± 0.58
24
23
22
21
20
19
18
17
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees


(78,33) 273.11 ± 0.27
34
32
30
28
26
24
22
20
18
16
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees


(78,34) 248.41 ± 1.41
29
28
27
26
25
24
23
22
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees


(78,35) 214.79 ± 0.01
27.25
27
26.75
26.5
26.25
26
25.75
25.5
25.25
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees


(78,36) 92.22 ± 80.05
30
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees


(78,37) 94.75 ± 2.04
23.5
23
22.5
22
21.5
21
20.5
20
19.5
llh
0
50
100
150
200
250
300
350
azimuth to LED 7, degrees