IES INDOOR REPORT
PHOTOMETRIC FILENAME : BPRO-LIN-LED35-PROG400-NW-SCW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 104541188LAX-002
[TESTLAB] INTERTEK
[ISSUEDATE] 12-18-2020
[MANUFAC] PRUDENTIAL LIGHTING
[LUMCAT] BPRO4-LED35-LO-NW-SCW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1623
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	11.2
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.29 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

27.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
36.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
36.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
38.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
38.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
39.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
39.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
41.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
41.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
43.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
43.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
44.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
44.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
46.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
46.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
48.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
48.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
49.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
49.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
51.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
51.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
53.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
53.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
54.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
54.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
56.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
56.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
58.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
58.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
59.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
59.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
61.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
61.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
68.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
68.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

83.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
83.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.5	9.310	12.075	14.875	11.795	3.500	10.255	11.690	8.680	8.295	8.680
91.0	11.585	14.945	18.935	15.470	3.710	13.335	15.120	11.165	10.745	11.165
91.5	14.105	18.025	23.275	19.670	5.110	17.150	19.215	14.035	13.475	14.035
92.0	16.835	21.280	27.720	23.940	6.545	21.350	23.765	17.255	16.345	17.255
92.5	19.740	24.640	32.340	28.175	7.700	25.585	28.525	20.720	19.425	20.720
93.0	22.715	28.140	37.065	32.270	9.345	29.855	33.390	24.325	22.610	24.325
93.5	25.795	31.710	41.860	36.155	11.060	33.985	38.325	28.070	25.970	28.070
94.0	28.980	35.385	46.620	39.935	12.915	37.975	43.365	31.920	29.470	31.920
94.5	32.270	39.130	51.450	43.750	14.805	41.860	48.405	35.910	33.040	35.910
95.0	35.630	42.980	56.280	47.530	16.765	45.745	53.480	39.970	36.715	39.970
95.5	39.060	46.935	61.145	51.240	18.795	49.490	58.590	44.135	40.495	44.135
96.0	42.630	50.995	66.045	54.915	20.930	53.270	63.735	48.405	44.345	48.405
96.5	46.410	55.195	71.085	58.590	23.240	57.015	68.880	52.780	48.265	52.780
97.0	50.190	59.535	76.125	62.265	25.620	60.760	74.095	57.260	52.395	57.260
97.5	54.075	63.980	81.130	66.010	28.000	64.400	79.380	61.880	56.630	61.880
98.0	58.170	68.565	86.205	69.685	30.380	68.075	84.700	66.640	60.970	66.640
98.5	62.475	73.325	91.385	73.360	32.865	71.750	90.055	71.505	65.450	71.505
99.0	66.780	78.155	96.600	77.000	35.420	75.425	95.480	76.545	70.210	76.545
99.5	71.155	83.125	101.815	80.675	38.010	79.065	100.940	81.655	75.005	81.655
100.0	75.670	88.130	107.065	84.420	40.635	82.705	106.400	86.940	79.905	86.940
100.5	80.535	93.345	112.420	88.095	43.365	86.240	111.860	92.365	84.945	92.365
101.0	85.505	98.595	117.740	91.770	46.130	89.810	117.425	97.825	90.090	97.825
101.5	90.510	103.915	123.130	95.375	48.860	93.380	122.990	103.425	95.445	103.425
102.0	95.585	109.305	128.555	98.945	51.660	96.950	128.625	109.200	100.940	109.200
102.5	100.835	114.765	133.980	102.550	54.425	100.450	134.260	114.975	106.435	114.975
103.0	106.225	120.330	139.545	106.190	57.365	103.985	139.965	120.855	112.175	120.855
103.5	111.755	125.930	145.110	109.725	60.235	107.485	145.600	126.770	118.125	126.770
104.0	117.285	131.600	150.745	113.225	63.105	111.020	151.340	132.790	124.075	132.790
104.5	122.885	137.340	156.380	116.725	66.115	114.625	157.080	138.880	130.095	138.880
105.0	128.555	143.045	162.120	120.295	69.125	118.125	162.890	145.005	136.290	145.005
105.5	134.295	148.960	167.930	123.830	72.135	121.625	168.700	151.235	142.520	151.235
106.0	140.140	154.945	173.775	127.260	75.040	125.020	174.580	157.500	148.960	157.500
106.5	146.090	160.965	179.655	130.620	77.980	128.485	180.530	163.800	155.295	163.800
107.0	152.075	167.090	185.710	134.120	80.990	131.915	186.585	170.310	161.805	170.310
107.5	158.200	173.355	191.870	137.585	83.930	135.275	192.605	176.855	168.420	176.855
108.0	164.325	179.725	197.995	141.050	86.905	138.600	198.835	183.540	175.070	183.540
108.5	170.555	186.200	204.120	144.515	89.950	141.960	205.030	190.260	181.825	190.260
109.0	176.890	192.815	210.350	148.050	92.925	145.355	211.260	197.085	188.650	197.085
109.5	183.400	199.605	216.615	151.550	95.865	148.750	217.490	203.980	195.545	203.980
110.0	190.050	206.500	222.880	154.980	98.805	152.145	223.790	210.980	202.545	210.980
110.5	196.840	213.535	229.145	158.375	101.815	155.540	230.055	218.085	209.615	218.085

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CANDELA TABULATION - (Cont.)

111.0	203.735	220.675	235.550	161.840	104.825	158.970	236.355	225.295	216.790	225.295
111.5	210.770	227.885	241.990	165.270	107.870	162.330	242.585	232.610	224.000	232.610
112.0	217.945	235.270	248.500	168.630	110.880	165.655	248.990	240.030	231.315	240.030
112.5	225.365	242.760	255.115	171.990	113.995	169.015	255.465	247.660	238.945	247.660
113.0	232.855	250.180	261.765	175.420	117.075	172.305	261.800	255.395	246.715	255.395
113.5	240.520	257.810	268.380	178.885	120.155	175.595	268.065	263.165	254.625	263.165
114.0	248.255	265.545	275.135	182.210	123.130	178.850	274.715	271.180	262.780	271.180
114.5	256.060	273.455	281.715	185.500	126.140	182.175	281.015	278.950	271.145	278.950
115.0	264.215	281.435	288.330	188.790	129.255	185.395	287.245	286.860	279.405	286.860
115.5	272.230	289.520	294.875	192.045	132.335	188.685	293.440	294.840	287.700	294.840
116.0	280.420	297.780	301.385	195.230	135.380	191.835	299.600	302.855	296.100	302.855
116.5	288.855	306.075	307.755	198.275	138.425	194.845	305.620	310.975	304.395	310.975
117.0	297.325	314.580	313.915	201.320	141.435	197.890	311.500	319.235	312.935	319.235
117.5	306.075	323.085	320.110	204.435	144.480	200.900	317.310	327.460	321.510	327.460
118.0	314.965	331.870	326.130	207.550	147.455	203.875	322.875	335.790	330.050	335.790
118.5	323.890	340.795	332.045	210.490	150.395	206.745	328.335	344.260	338.905	344.260
119.0	333.060	349.580	337.785	213.395	153.370	209.615	333.655	352.625	347.795	352.625
119.5	342.125	358.435	343.350	216.335	156.380	212.485	338.800	360.955	356.685	360.955
120.0	351.330	367.325	348.740	219.310	159.390	215.390	343.805	369.250	365.750	369.250
120.5	360.640	376.215	353.990	222.145	162.295	218.225	348.670	377.475	374.850	377.475
121.0	370.790	384.860	358.925	224.840	165.235	221.025	353.255	385.595	383.880	385.595
121.5	380.240	393.365	363.720	227.570	168.140	223.790	357.700	393.610	392.875	393.610
122.0	389.795	401.835	368.305	230.230	171.080	226.485	361.970	401.520	401.835	401.520
122.5	399.210	410.200	372.680	232.820	173.915	229.110	366.030	409.220	410.725	409.220
123.0	408.485	418.320	376.810	235.340	176.820	231.700	369.845	416.780	419.545	416.780
123.5	417.865	426.265	380.765	237.895	179.760	234.220	373.485	424.270	428.050	424.270
124.0	426.930	433.965	384.440	240.380	182.700	236.775	376.880	431.410	436.450	431.410
124.5	435.995	441.630	387.835	242.830	185.640	239.295	380.065	438.305	444.465	438.305
125.0	444.675	449.120	390.985	245.245	188.510	241.745	382.970	444.990	452.375	444.990
125.5	453.425	456.155	393.855	247.660	191.450	244.230	385.735	451.465	459.900	451.465
126.0	461.930	462.980	396.550	250.110	194.425	246.750	388.290	457.590	467.215	457.590
126.5	470.190	469.525	399.000	252.525	197.330	249.165	390.530	463.365	474.180	463.365
127.0	478.205	475.825	401.310	254.835	200.165	251.545	392.630	468.895	481.005	468.895
127.5	486.045	481.670	403.200	257.110	203.035	253.890	394.730	473.900	487.410	473.900
128.0	493.465	487.200	404.985	259.525	205.940	256.375	396.480	478.730	493.570	478.730
128.5	500.605	492.275	406.525	261.765	208.810	258.685	397.985	483.210	499.310	483.210
129.0	507.395	496.930	407.785	263.935	211.610	260.995	399.420	487.235	504.840	487.235
129.5	513.905	501.235	408.975	266.035	214.410	263.165	400.645	490.980	509.775	490.980
130.0	519.890	505.085	409.955	268.205	217.210	265.405	401.765	494.305	514.640	494.305
130.5	525.385	508.480	410.830	270.270	220.045	267.575	402.780	497.385	518.910	497.385
131.0	530.495	511.455	411.600	272.265	222.810	269.780	403.620	500.115	522.970	500.115
131.5	535.080	514.150	412.195	274.225	225.575	271.915	404.215	502.530	526.505	502.530
132.0	539.245	516.355	412.580	276.255	228.340	273.980	404.845	504.595	529.655	504.595
132.5	542.780	518.245	412.895	278.250	231.140	276.045	405.195	506.275	532.490	506.275
133.0	545.930	519.715	413.105	280.210	233.940	278.110	405.510	507.745	534.940	507.745
133.5	548.765	520.975	413.140	282.100	236.705	280.175	405.755	508.900	536.970	508.900
134.0	551.075	521.780	413.105	284.060	239.470	282.205	405.895	509.740	538.790	509.740
134.5	552.860	522.200	413.035	286.055	242.305	284.305	405.930	510.265	540.050	510.265
135.0	554.435	522.375	412.790	287.980	245.070	286.335	405.860	510.510	540.820	510.510
135.5	555.520	522.200	412.440	289.870	247.800	288.365	405.790	510.545	541.555	510.545
136.0	556.255	521.780	412.125	291.620	250.530	290.360	405.510	510.370	541.835	510.370
136.5	556.465	521.080	411.600	293.475	253.225	292.320	405.265	509.810	541.765	509.810
137.0	556.500	520.135	411.110	295.260	255.920	294.280	404.880	509.145	541.730	509.145
137.5	556.115	518.945	410.585	297.045	258.615	296.170	404.390	508.025	541.100	508.025
138.0	555.415	517.405	409.955	298.795	261.380	298.025	404.005	506.940	540.330	506.940
138.5	554.155	515.795	409.255	300.650	263.970	299.880	403.480	505.610	538.965	505.610

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CANDELA TABULATION - (Cont.)

139.0	552.685	514.080	408.555	302.365	266.630	301.700	402.885	504.035	537.600	504.035
139.5	551.005	512.050	407.820	304.045	269.395	303.520	402.325	502.390	536.060	502.390
140.0	549.010	509.950	406.980	305.725	271.915	305.340	401.660	500.500	534.135	500.500
140.5	546.735	507.675	406.210	307.440	274.540	307.160	401.100	498.470	532.070	498.470
141.0	544.285	505.225	405.370	309.120	277.130	309.015	400.470	496.440	529.935	496.440
141.5	541.800	502.670	404.495	310.835	279.685	310.835	399.770	494.130	527.415	494.130
142.0	539.000	500.150	403.620	312.480	282.240	312.550	399.140	491.785	524.825	491.785
142.5	536.060	497.385	402.745	314.090	284.900	314.300	398.440	489.265	522.130	489.265
143.0	532.910	494.620	401.870	315.770	287.490	316.190	397.740	486.815	519.295	486.815
143.5	529.760	491.890	400.960	317.485	290.080	317.940	397.040	484.295	516.425	484.295
144.0	526.435	489.020	400.120	319.165	292.670	319.725	396.340	481.705	513.310	481.705
144.5	523.075	486.185	399.245	320.810	295.155	321.475	395.640	479.045	510.335	479.045
145.0	519.575	483.210	398.475	322.455	297.780	323.295	394.940	476.280	507.045	476.280
145.5	515.970	480.235	397.705	324.135	300.160	324.905	394.205	473.550	503.790	473.550
146.0	512.295	477.260	396.830	325.745	302.645	326.585	393.505	470.750	500.500	470.750
146.5	508.620	474.285	395.990	327.285	305.060	328.230	392.840	467.985	496.895	467.985
147.0	504.735	471.170	395.185	328.790	307.510	329.840	392.175	465.255	493.395	465.255
147.5	500.990	468.125	394.415	330.400	309.855	331.520	391.580	462.490	489.895	462.490
148.0	497.140	465.080	393.645	331.975	312.165	333.095	390.950	459.690	486.325	459.690
148.5	493.255	462.070	392.805	333.445	314.475	334.670	390.425	457.030	482.650	457.030
149.0	489.475	459.025	392.140	334.880	316.750	336.210	389.795	454.195	479.255	454.195
149.5	485.625	456.085	391.405	336.280	318.990	337.785	389.305	451.465	475.755	451.465
150.0	481.915	453.180	390.670	337.750	321.230	339.360	388.920	448.805	472.360	448.805
150.5	478.205	450.310	390.075	339.185	323.470	340.830	388.500	446.110	468.930	446.110
151.0	474.705	447.440	389.445	340.620	325.640	342.440	388.115	443.520	465.570	443.520
151.5	471.135	444.745	388.850	342.020	327.810	343.945	387.765	441.035	462.140	441.035
152.0	467.635	442.050	388.325	343.490	329.945	345.415	387.485	438.515	458.885	438.515
152.5	464.100	439.320	387.870	344.855	332.045	346.920	387.170	436.065	455.700	436.065
153.0	460.705	436.765	387.345	346.290	334.180	348.390	386.925	433.755	452.550	433.755
153.5	457.380	434.280	386.890	347.655	336.315	349.860	386.715	431.550	449.505	431.550
154.0	454.125	431.795	386.400	349.090	338.380	351.330	386.540	429.310	446.670	429.310
154.5	450.905	429.345	385.980	350.525	340.340	352.695	386.330	427.175	443.765	427.175
155.0	447.650	427.035	385.595	351.855	342.335	354.130	386.190	425.075	440.860	425.075
155.5	444.535	424.830	385.315	353.290	344.295	355.600	385.910	423.045	438.200	423.045
156.0	441.525	422.520	384.930	354.620	346.220	356.965	385.875	421.120	435.330	421.120
156.5	438.515	420.490	384.650	355.985	348.215	358.365	385.735	419.230	432.705	419.230
157.0	435.505	418.425	384.405	357.280	350.070	359.730	385.560	417.410	430.255	417.410
157.5	432.775	416.360	384.195	358.610	351.890	361.060	385.525	415.730	427.875	415.730
158.0	430.045	414.575	383.845	359.940	353.780	362.390	385.455	414.015	425.530	414.015
158.5	427.385	412.720	383.740	361.235	355.705	363.755	385.420	412.510	423.290	412.510
159.0	424.935	411.005	383.460	362.565	357.490	365.050	385.420	410.970	421.225	410.970
159.5	422.485	409.325	383.355	363.825	359.205	366.345	385.350	409.535	419.160	409.535
160.0	420.245	407.785	383.215	365.015	360.885	367.535	385.350	408.205	417.200	408.205
160.5	418.005	406.210	383.110	366.275	362.600	368.830	385.385	406.945	415.380	406.945
161.0	415.835	404.740	382.935	367.465	364.175	369.985	385.420	405.790	413.630	405.790
161.5	413.910	403.410	382.935	368.585	365.715	371.140	385.455	404.600	412.125	404.600
162.0	412.020	402.115	382.900	369.705	367.325	372.295	385.595	403.515	410.480	403.515
162.5	410.200	400.925	382.900	370.790	368.795	373.415	385.630	402.535	409.010	402.535
163.0	408.310	399.700	382.795	371.875	370.265	374.395	385.665	401.660	407.645	401.660
163.5	406.735	398.580	382.830	372.960	371.700	375.410	385.840	400.820	406.420	400.820
164.0	405.160	397.565	382.760	374.010	373.065	376.390	385.910	400.015	405.055	400.015
164.5	403.655	396.515	382.830	375.025	374.325	377.300	386.085	399.280	403.865	399.280
165.0	402.185	395.605	382.935	375.935	375.690	378.245	386.260	398.650	402.885	398.650
165.5	400.925	394.765	382.935	376.915	376.915	379.085	386.330	398.020	401.765	398.020
166.0	399.630	393.960	383.110	377.720	378.070	379.960	386.505	397.390	400.960	397.390
166.5	398.510	393.260	383.250	378.665	379.190	380.765	386.645	396.795	400.085	396.795

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CANDELA TABULATION - (Cont.)

167.0	397.425	392.630	383.355	379.575	380.345	381.640	386.855	396.340	399.350	396.340
167.5	396.515	392.105	383.530	380.485	381.465	382.410	387.030	395.850	398.580	395.850
168.0	395.570	391.580	383.740	381.255	382.550	383.180	387.205	395.430	397.950	395.430
168.5	394.660	391.125	383.985	381.990	383.565	383.915	387.310	395.010	397.320	395.010
169.0	393.925	390.740	384.195	382.900	384.510	384.615	387.555	394.625	396.655	394.625
169.5	393.330	390.320	384.405	383.565	385.490	385.385	387.695	394.275	396.060	394.275
170.0	392.770	390.040	384.685	384.335	386.365	386.015	387.905	393.995	395.500	393.995
170.5	392.280	389.760	384.895	384.930	387.275	386.645	388.185	393.680	395.080	393.680
171.0	391.860	389.585	385.210	385.700	388.080	387.310	388.290	393.365	394.590	393.365
171.5	391.405	389.480	385.490	386.365	388.850	387.905	388.500	393.155	394.135	393.155
172.0	391.020	389.270	385.700	386.995	389.585	388.430	388.675	392.910	393.750	392.910
172.5	390.775	389.165	385.980	387.520	390.285	388.990	388.885	392.770	393.365	392.770
173.0	390.495	389.095	386.260	388.150	390.985	389.445	388.955	392.560	392.980	392.560
173.5	390.215	389.060	386.505	388.675	391.510	389.865	389.025	392.385	392.700	392.385
174.0	390.145	388.990	386.680	389.130	392.070	390.250	389.095	392.105	392.245	392.105
174.5	389.970	388.920	386.960	389.585	392.560	390.670	389.270	391.895	391.965	391.895
175.0	389.865	388.955	387.170	390.005	393.190	390.950	389.200	391.755	391.685	391.755
175.5	389.690	388.990	387.450	390.425	393.505	391.230	389.340	391.580	391.405	391.580
176.0	389.725	389.095	387.695	390.705	393.925	391.440	389.305	391.370	391.230	391.370
176.5	389.515	389.130	387.800	391.055	394.205	391.650	389.305	391.125	390.880	391.125
177.0	389.620	389.165	388.045	391.370	394.555	391.860	389.270	390.985	390.635	390.985
177.5	389.550	389.305	388.220	391.580	394.870	391.965	389.235	390.810	390.460	390.810
178.0	389.550	389.410	388.325	391.790	395.010	392.140	389.200	390.600	390.355	390.600
178.5	389.585	389.515	388.430	391.965	395.115	392.210	389.165	390.425	390.250	390.425
179.0	389.725	389.620	388.605	392.070	395.220	392.245	388.955	390.250	390.005	390.250
179.5	389.725	389.725	388.815	392.210	395.325	392.245	388.920	390.075	389.970	390.075
180.0	390.880	390.880	390.880	390.880	390.880	390.880	390.880	390.880	390.880	390.880

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
36.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
36.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
38.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
38.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
39.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
39.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

40.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
41.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
41.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
43.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
43.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
44.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
44.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
46.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
46.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
48.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
48.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
49.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
49.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
51.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
51.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
53.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
53.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
54.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
54.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
56.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
56.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
58.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
58.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
59.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
59.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
61.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
61.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
68.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

68.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
83.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
83.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.5	11.690	10.255	3.500	11.795	14.875	12.075	9.310
91.0	15.120	13.335	3.710	15.470	18.935	14.945	11.585
91.5	19.215	17.150	5.110	19.670	23.275	18.025	14.105
92.0	23.765	21.350	6.545	23.940	27.720	21.280	16.835
92.5	28.525	25.585	7.700	28.175	32.340	24.640	19.740
93.0	33.390	29.855	9.345	32.270	37.065	28.140	22.715
93.5	38.325	33.985	11.060	36.155	41.860	31.710	25.795
94.0	43.365	37.975	12.915	39.935	46.620	35.385	28.980
94.5	48.405	41.860	14.805	43.750	51.450	39.130	32.270
95.0	53.480	45.745	16.765	47.530	56.280	42.980	35.630
95.5	58.590	49.490	18.795	51.240	61.145	46.935	39.060
96.0	63.735	53.270	20.930	54.915	66.045	50.995	42.630

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CANDELA TABULATION - (Cont.)

96.5	68.880	57.015	23.240	58.590	71.085	55.195	46.410
97.0	74.095	60.760	25.620	62.265	76.125	59.535	50.190
97.5	79.380	64.400	28.000	66.010	81.130	63.980	54.075
98.0	84.700	68.075	30.380	69.685	86.205	68.565	58.170
98.5	90.055	71.750	32.865	73.360	91.385	73.325	62.475
99.0	95.480	75.425	35.420	77.000	96.600	78.155	66.780
99.5	100.940	79.065	38.010	80.675	101.815	83.125	71.155
100.0	106.400	82.705	40.635	84.420	107.065	88.130	75.670
100.5	111.860	86.240	43.365	88.095	112.420	93.345	80.535
101.0	117.425	89.810	46.130	91.770	117.740	98.595	85.505
101.5	122.990	93.380	48.860	95.375	123.130	103.915	90.510
102.0	128.625	96.950	51.660	98.945	128.555	109.305	95.585
102.5	134.260	100.450	54.425	102.550	133.980	114.765	100.835
103.0	139.965	103.985	57.365	106.190	139.545	120.330	106.225
103.5	145.600	107.485	60.235	109.725	145.110	125.930	111.755
104.0	151.340	111.020	63.105	113.225	150.745	131.600	117.285
104.5	157.080	114.625	66.115	116.725	156.380	137.340	122.885
105.0	162.890	118.125	69.125	120.295	162.120	143.045	128.555
105.5	168.700	121.625	72.135	123.830	167.930	148.960	134.295
106.0	174.580	125.020	75.040	127.260	173.775	154.945	140.140
106.5	180.530	128.485	77.980	130.620	179.655	160.965	146.090
107.0	186.585	131.915	80.990	134.120	185.710	167.090	152.075
107.5	192.605	135.275	83.930	137.585	191.870	173.355	158.200
108.0	198.835	138.600	86.905	141.050	197.995	179.725	164.325
108.5	205.030	141.960	89.950	144.515	204.120	186.200	170.555
109.0	211.260	145.355	92.925	148.050	210.350	192.815	176.890
109.5	217.490	148.750	95.865	151.550	216.615	199.605	183.400
110.0	223.790	152.145	98.805	154.980	222.880	206.500	190.050
110.5	230.055	155.540	101.815	158.375	229.145	213.535	196.840
111.0	236.355	158.970	104.825	161.840	235.550	220.675	203.735
111.5	242.585	162.330	107.870	165.270	241.990	227.885	210.770
112.0	248.990	165.655	110.880	168.630	248.500	235.270	217.945
112.5	255.465	169.015	113.995	171.990	255.115	242.760	225.365
113.0	261.800	172.305	117.075	175.420	261.765	250.180	232.855
113.5	268.065	175.595	120.155	178.885	268.380	257.810	240.520
114.0	274.715	178.850	123.130	182.210	275.135	265.545	248.255
114.5	281.015	182.175	126.140	185.500	281.715	273.455	256.060
115.0	287.245	185.395	129.255	188.790	288.330	281.435	264.215
115.5	293.440	188.685	132.335	192.045	294.875	289.520	272.230
116.0	299.600	191.835	135.380	195.230	301.385	297.780	280.420
116.5	305.620	194.845	138.425	198.275	307.755	306.075	288.855
117.0	311.500	197.890	141.435	201.320	313.915	314.580	297.325
117.5	317.310	200.900	144.480	204.435	320.110	323.085	306.075
118.0	322.875	203.875	147.455	207.550	326.130	331.870	314.965
118.5	328.335	206.745	150.395	210.490	332.045	340.795	323.890
119.0	333.655	209.615	153.370	213.395	337.785	349.580	333.060
119.5	338.800	212.485	156.380	216.335	343.350	358.435	342.125
120.0	343.805	215.390	159.390	219.310	348.740	367.325	351.330
120.5	348.670	218.225	162.295	222.145	353.990	376.215	360.640
121.0	353.255	221.025	165.235	224.840	358.925	384.860	370.790
121.5	357.700	223.790	168.140	227.570	363.720	393.365	380.240
122.0	361.970	226.485	171.080	230.230	368.305	401.835	389.795
122.5	366.030	229.110	173.915	232.820	372.680	410.200	399.210
123.0	369.845	231.700	176.820	235.340	376.810	418.320	408.485
123.5	373.485	234.220	179.760	237.895	380.765	426.265	417.865
124.0	376.880	236.775	182.700	240.380	384.440	433.965	426.930

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CANDELA TABULATION - (Cont.)

124.5	380.065	239.295	185.640	242.830	387.835	441.630	435.995
125.0	382.970	241.745	188.510	245.245	390.985	449.120	444.675
125.5	385.735	244.230	191.450	247.660	393.855	456.155	453.425
126.0	388.290	246.750	194.425	250.110	396.550	462.980	461.930
126.5	390.530	249.165	197.330	252.525	399.000	469.525	470.190
127.0	392.630	251.545	200.165	254.835	401.310	475.825	478.205
127.5	394.730	253.890	203.035	257.110	403.200	481.670	486.045
128.0	396.480	256.375	205.940	259.525	404.985	487.200	493.465
128.5	397.985	258.685	208.810	261.765	406.525	492.275	500.605
129.0	399.420	260.995	211.610	263.935	407.785	496.930	507.395
129.5	400.645	263.165	214.410	266.035	408.975	501.235	513.905
130.0	401.765	265.405	217.210	268.205	409.955	505.085	519.890
130.5	402.780	267.575	220.045	270.270	410.830	508.480	525.385
131.0	403.620	269.780	222.810	272.265	411.600	511.455	530.495
131.5	404.215	271.915	225.575	274.225	412.195	514.150	535.080
132.0	404.845	273.980	228.340	276.255	412.580	516.355	539.245
132.5	405.195	276.045	231.140	278.250	412.895	518.245	542.780
133.0	405.510	278.110	233.940	280.210	413.105	519.715	545.930
133.5	405.755	280.175	236.705	282.100	413.140	520.975	548.765
134.0	405.895	282.205	239.470	284.060	413.105	521.780	551.075
134.5	405.930	284.305	242.305	286.055	413.035	522.200	552.860
135.0	405.860	286.335	245.070	287.980	412.790	522.375	554.435
135.5	405.790	288.365	247.800	289.870	412.440	522.200	555.520
136.0	405.510	290.360	250.530	291.620	412.125	521.780	556.255
136.5	405.265	292.320	253.225	293.475	411.600	521.080	556.465
137.0	404.880	294.280	255.920	295.260	411.110	520.135	556.500
137.5	404.390	296.170	258.615	297.045	410.585	518.945	556.115
138.0	404.005	298.025	261.380	298.795	409.955	517.405	555.415
138.5	403.480	299.880	263.970	300.650	409.255	515.795	554.155
139.0	402.885	301.700	266.630	302.365	408.555	514.080	552.685
139.5	402.325	303.520	269.395	304.045	407.820	512.050	551.005
140.0	401.660	305.340	271.915	305.725	406.980	509.950	549.010
140.5	401.100	307.160	274.540	307.440	406.210	507.675	546.735
141.0	400.470	309.015	277.130	309.120	405.370	505.225	544.285
141.5	399.770	310.835	279.685	310.835	404.495	502.670	541.800
142.0	399.140	312.550	282.240	312.480	403.620	500.150	539.000
142.5	398.440	314.300	284.900	314.090	402.745	497.385	536.060
143.0	397.740	316.190	287.490	315.770	401.870	494.620	532.910
143.5	397.040	317.940	290.080	317.485	400.960	491.890	529.760
144.0	396.340	319.725	292.670	319.165	400.120	489.020	526.435
144.5	395.640	321.475	295.155	320.810	399.245	486.185	523.075
145.0	394.940	323.295	297.780	322.455	398.475	483.210	519.575
145.5	394.205	324.905	300.160	324.135	397.705	480.235	515.970
146.0	393.505	326.585	302.645	325.745	396.830	477.260	512.295
146.5	392.840	328.230	305.060	327.285	395.990	474.285	508.620
147.0	392.175	329.840	307.510	328.790	395.185	471.170	504.735
147.5	391.580	331.520	309.855	330.400	394.415	468.125	500.990
148.0	390.950	333.095	312.165	331.975	393.645	465.080	497.140
148.5	390.425	334.670	314.475	333.445	392.805	462.070	493.255
149.0	389.795	336.210	316.750	334.880	392.140	459.025	489.475
149.5	389.305	337.785	318.990	336.280	391.405	456.085	485.625
150.0	388.920	339.360	321.230	337.750	390.670	453.180	481.915
150.5	388.500	340.830	323.470	339.185	390.075	450.310	478.205
151.0	388.115	342.440	325.640	340.620	389.445	447.440	474.705
151.5	387.765	343.945	327.810	342.020	388.850	444.745	471.135
152.0	387.485	345.415	329.945	343.490	388.325	442.050	467.635

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CANDELA TABULATION - (Cont.)

152.5	387.170	346.920	332.045	344.855	387.870	439.320	464.100
153.0	386.925	348.390	334.180	346.290	387.345	436.765	460.705
153.5	386.715	349.860	336.315	347.655	386.890	434.280	457.380
154.0	386.540	351.330	338.380	349.090	386.400	431.795	454.125
154.5	386.330	352.695	340.340	350.525	385.980	429.345	450.905
155.0	386.190	354.130	342.335	351.855	385.595	427.035	447.650
155.5	385.910	355.600	344.295	353.290	385.315	424.830	444.535
156.0	385.875	356.965	346.220	354.620	384.930	422.520	441.525
156.5	385.735	358.365	348.215	355.985	384.650	420.490	438.515
157.0	385.560	359.730	350.070	357.280	384.405	418.425	435.505
157.5	385.525	361.060	351.890	358.610	384.195	416.360	432.775
158.0	385.455	362.390	353.780	359.940	383.845	414.575	430.045
158.5	385.420	363.755	355.705	361.235	383.740	412.720	427.385
159.0	385.420	365.050	357.490	362.565	383.460	411.005	424.935
159.5	385.350	366.345	359.205	363.825	383.355	409.325	422.485
160.0	385.350	367.535	360.885	365.015	383.215	407.785	420.245
160.5	385.385	368.830	362.600	366.275	383.110	406.210	418.005
161.0	385.420	369.985	364.175	367.465	382.935	404.740	415.835
161.5	385.455	371.140	365.715	368.585	382.935	403.410	413.910
162.0	385.595	372.295	367.325	369.705	382.900	402.115	412.020
162.5	385.630	373.415	368.795	370.790	382.900	400.925	410.200
163.0	385.665	374.395	370.265	371.875	382.795	399.700	408.310
163.5	385.840	375.410	371.700	372.960	382.830	398.580	406.735
164.0	385.910	376.390	373.065	374.010	382.760	397.565	405.160
164.5	386.085	377.300	374.325	375.025	382.830	396.515	403.655
165.0	386.260	378.245	375.690	375.935	382.935	395.605	402.185
165.5	386.330	379.085	376.915	376.915	382.935	394.765	400.925
166.0	386.505	379.960	378.070	377.720	383.110	393.960	399.630
166.5	386.645	380.765	379.190	378.665	383.250	393.260	398.510
167.0	386.855	381.640	380.345	379.575	383.355	392.630	397.425
167.5	387.030	382.410	381.465	380.485	383.530	392.105	396.515
168.0	387.205	383.180	382.550	381.255	383.740	391.580	395.570
168.5	387.310	383.915	383.565	381.990	383.985	391.125	394.660
169.0	387.555	384.615	384.510	382.900	384.195	390.740	393.925
169.5	387.695	385.385	385.490	383.565	384.405	390.320	393.330
170.0	387.905	386.015	386.365	384.335	384.685	390.040	392.770
170.5	388.185	386.645	387.275	384.930	384.895	389.760	392.280
171.0	388.290	387.310	388.080	385.700	385.210	389.585	391.860
171.5	388.500	387.905	388.850	386.365	385.490	389.480	391.405
172.0	388.675	388.430	389.585	386.995	385.700	389.270	391.020
172.5	388.885	388.990	390.285	387.520	385.980	389.165	390.775
173.0	388.955	389.445	390.985	388.150	386.260	389.095	390.495
173.5	389.025	389.865	391.510	388.675	386.505	389.060	390.215
174.0	389.095	390.250	392.070	389.130	386.680	388.990	390.145
174.5	389.270	390.670	392.560	389.585	386.960	388.920	389.970
175.0	389.200	390.950	393.190	390.005	387.170	388.955	389.865
175.5	389.340	391.230	393.505	390.425	387.450	388.990	389.690
176.0	389.305	391.440	393.925	390.705	387.695	389.095	389.725
176.5	389.305	391.650	394.205	391.055	387.800	389.130	389.515
177.0	389.270	391.860	394.555	391.370	388.045	389.165	389.620
177.5	389.235	391.965	394.870	391.580	388.220	389.305	389.550
178.0	389.200	392.140	395.010	391.790	388.325	389.410	389.550
178.5	389.165	392.210	395.115	391.965	388.430	389.515	389.585
179.0	388.955	392.245	395.220	392.070	388.605	389.620	389.725
179.5	388.920	392.245	395.325	392.210	388.815	389.725	389.725
180.0	390.880	390.880	390.880	390.880	390.880	390.880	390.880

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IES INDOOR REPORT
PHOTOMETRIC FILENAME : BPRO-LIN-LED35-PROG400-NW-SCW.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	186.55	N.A.	11.50
90-120	424.06	N.A.	26.10
90-130	734.06	N.A.	45.20
90-150	1295.49	N.A.	79.80
90-180	1623.05	N.A.	100.00
110-180	1436.5	N.A.	88.50
0-180	1623.05	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	46.97
100-110	139.58
110-120	237.52
120-130	310.00
130-140	309.49
140-150	251.93
150-160	180.62
160-170	109.75
170-180	37.19

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

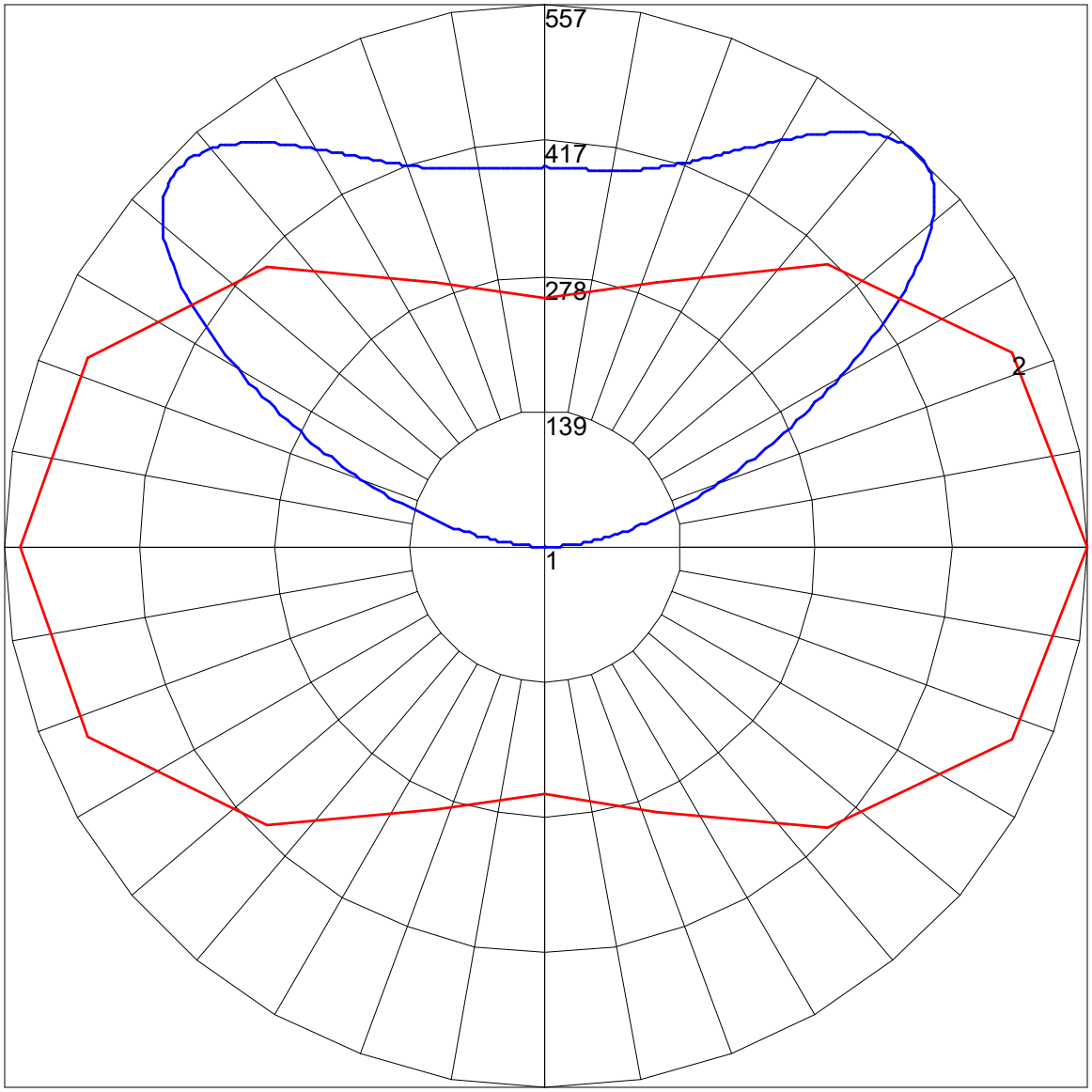
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

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POLAR GRAPH



Maximum Candela = 556.5 Located At Horizontal Angle = 0, Vertical Angle = 137
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (137) (Through Max. Cd.)

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