



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO2-LIN-LED35-SO-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11476049.09
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 10/12/2016
 [MANUFAC] Prudential Lighting Corp
 [LUMCAT] Bio2-LIN-LED35-SO-CW
 [LUMINAIRE] Rectangular formed grey aluminum housing
 [LAMP] 120 White LEDs with four (4) rectangular optics
 [BALLAST] One (1) OSRAM Optotronic OTi 30/120-277/1A0 DIM L
 [OTHER] 25.3 C, 120.045 V, 0.2311 A, 27.6537 W, 0.9968 PF, 59.99 Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3610
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	33.4
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)	0.23 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

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	0.00	0.00	0.00	0.00	0.00
0.5	0.00	0.00	0.00	0.00	0.00
1.0	0.00	0.00	0.00	0.00	0.00
1.5	0.00	0.00	0.00	0.00	0.00
2.0	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00
3.0	0.00	0.00	0.00	0.00	0.00
3.5	0.00	0.00	0.00	0.00	0.00
4.0	0.00	0.00	0.00	0.00	0.00
4.5	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00
5.5	0.00	0.00	0.00	0.00	0.00
6.0	0.00	0.00	0.00	0.00	0.00
6.5	0.00	0.00	0.00	0.00	0.00
7.0	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00
8.0	0.00	0.00	0.00	0.00	0.00
8.5	0.00	0.00	0.00	0.00	0.00
9.0	0.00	0.00	0.00	0.00	0.00
9.5	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00
10.5	0.00	0.00	0.00	0.00	0.00
11.0	0.00	0.00	0.00	0.00	0.00
11.5	0.00	0.00	0.00	0.00	0.00
12.0	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00
13.0	0.00	0.00	0.00	0.00	0.00
13.5	0.00	0.00	0.00	0.00	0.00
14.0	0.00	0.00	0.00	0.00	0.00
14.5	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00
15.5	0.00	0.00	0.00	0.00	0.00
16.0	0.00	0.00	0.00	0.00	0.00
16.5	0.00	0.00	0.00	0.00	0.00
17.0	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00
18.0	0.00	0.00	0.00	0.00	0.00
18.5	0.00	0.00	0.00	0.00	0.00
19.0	0.00	0.00	0.00	0.00	0.00
19.5	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00
20.5	0.00	0.00	0.00	0.00	0.00
21.0	0.00	0.00	0.00	0.00	0.00
21.5	0.00	0.00	0.00	0.00	0.00
22.0	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00
23.0	0.00	0.00	0.00	0.00	0.00
23.5	0.00	0.00	0.00	0.00	0.00
24.0	0.00	0.00	0.00	0.00	0.00
24.5	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00
25.5	0.00	0.00	0.00	0.00	0.00
26.0	0.00	0.00	0.00	0.00	0.00
26.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

27.0	0.00	0.00	0.00	0.00	0.00
27.5	0.00	0.00	0.00	0.00	0.00
28.0	0.00	0.00	0.00	0.00	0.00
28.5	0.00	0.00	0.00	0.00	0.00
29.0	0.00	0.00	0.00	0.00	0.00
29.5	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00
30.5	0.00	0.00	0.00	0.00	0.00
31.0	0.00	0.00	0.00	0.00	0.00
31.5	0.00	0.00	0.00	0.00	0.00
32.0	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00
33.0	0.00	0.00	0.00	0.00	0.00
33.5	0.00	0.00	0.00	0.00	0.00
34.0	0.00	0.00	0.00	0.00	0.00
34.5	0.00	0.00	0.00	0.00	0.00
35.0	0.00	0.00	0.00	0.00	0.00
35.5	0.00	0.00	0.00	0.00	0.00
36.0	0.00	0.00	0.00	0.00	0.00
36.5	0.00	0.00	0.00	0.00	0.00
37.0	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00
38.0	0.00	0.00	0.00	0.00	0.00
38.5	0.00	0.00	0.00	0.00	0.00
39.0	0.00	0.00	0.00	0.00	0.00
39.5	0.00	0.00	0.00	0.00	0.00
40.0	0.00	0.00	0.00	0.00	0.00
40.5	0.00	0.00	0.00	0.00	0.00
41.0	0.00	0.00	0.00	0.00	0.00
41.5	0.00	0.00	0.00	0.00	0.00
42.0	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00
43.0	0.00	0.00	0.00	0.00	0.00
43.5	0.00	0.00	0.00	0.00	0.00
44.0	0.00	0.00	0.00	0.00	0.00
44.5	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00
45.5	0.00	0.00	0.00	0.00	0.00
46.0	0.00	0.00	0.00	0.00	0.00
46.5	0.00	0.00	0.00	0.00	0.00
47.0	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00
48.0	0.00	0.00	0.00	0.00	0.00
48.5	0.00	0.00	0.00	0.00	0.00
49.0	0.00	0.00	0.00	0.00	0.00
49.5	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00
50.5	0.00	0.00	0.00	0.00	0.00
51.0	0.00	0.00	0.00	0.00	0.00
51.5	0.00	0.00	0.00	0.00	0.00
52.0	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00
53.0	0.00	0.00	0.00	0.00	0.00
53.5	0.00	0.00	0.00	0.00	0.00
54.0	0.00	0.00	0.00	0.00	0.00
54.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

55.0	0.00	0.00	0.00	0.00	0.00
55.5	0.00	0.00	0.00	0.00	0.00
56.0	0.00	0.00	0.00	0.00	0.00
56.5	0.00	0.00	0.00	0.00	0.00
57.0	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00
58.0	0.00	0.00	0.00	0.00	0.00
58.5	0.00	0.00	0.00	0.00	0.00
59.0	0.00	0.00	0.00	0.00	0.00
59.5	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00
60.5	0.00	0.00	0.00	0.00	0.00
61.0	0.00	0.00	0.00	0.00	0.00
61.5	0.00	0.00	0.00	0.00	0.00
62.0	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00
63.0	0.00	0.00	0.00	0.00	0.00
63.5	0.00	0.00	0.00	0.00	0.00
64.0	0.00	0.00	0.00	0.00	0.00
64.5	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00
65.5	0.00	0.00	0.00	0.00	0.00
66.0	0.00	0.00	0.00	0.00	0.00
66.5	0.00	0.00	0.00	0.00	0.00
67.0	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00
68.0	0.00	0.00	0.00	0.00	0.00
68.5	0.00	0.00	0.00	0.00	0.00
69.0	0.00	0.00	0.00	0.00	0.00
69.5	0.00	0.00	0.00	0.00	0.00
70.0	0.00	0.00	0.00	0.00	0.00
70.5	0.00	0.00	0.00	0.00	0.00
71.0	0.00	0.00	0.00	0.00	0.00
71.5	0.00	0.00	0.00	0.00	0.00
72.0	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00
73.0	0.00	0.00	0.00	0.00	0.00
73.5	0.00	0.00	0.00	0.00	0.00
74.0	0.00	0.00	0.00	0.00	0.00
74.5	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00
75.5	0.00	0.00	0.00	0.00	0.00
76.0	0.00	0.00	0.00	0.00	0.00
76.5	0.00	0.00	0.00	0.00	0.00
77.0	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00
78.0	0.00	0.00	0.00	0.00	0.00
78.5	0.00	0.00	0.00	0.00	0.00
79.0	0.00	0.00	0.00	0.00	0.00
79.5	0.00	0.00	0.00	0.00	0.00
80.0	0.00	0.00	0.00	0.00	0.00
80.5	0.00	0.00	0.00	0.00	0.00
81.0	0.00	0.00	0.00	0.00	0.00
81.5	0.00	0.00	0.00	0.00	0.00
82.0	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

83.0	0.00	0.00	0.00	0.00	0.00
83.5	0.00	0.00	0.00	0.00	0.00
84.0	0.00	0.00	0.00	0.00	0.00
84.5	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00
85.5	0.00	0.00	0.00	0.00	0.00
86.0	0.00	0.00	0.00	0.00	0.00
86.5	0.00	0.00	0.00	0.00	0.00
87.0	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00
88.0	0.00	0.00	0.00	0.00	0.00
88.5	0.00	0.00	0.00	0.00	0.00
89.0	0.00	0.00	0.00	0.00	0.00
89.5	0.00	0.00	0.00	0.00	0.00
90.0	4.68	20.52	38.04	6.24	2.88
90.5	10.56	33.36	59.40	9.24	4.32
91.0	21.84	50.88	84.84	12.36	5.76
91.5	35.40	72.72	114.36	15.96	7.44
92.0	50.64	99.36	148.32	20.28	9.48
92.5	66.84	130.92	183.00	25.44	12.00
93.0	84.24	166.92	215.28	30.96	14.88
93.5	103.56	207.48	245.28	36.48	17.88
94.0	125.40	252.72	271.44	41.52	21.00
94.5	150.96	303.72	293.40	46.32	24.24
95.0	180.12	361.56	311.16	51.12	27.60
95.5	214.44	427.20	325.08	56.28	31.08
96.0	254.52	501.84	335.88	61.68	34.68
96.5	300.48	585.48	343.92	66.84	38.40
97.0	355.32	676.08	348.72	71.88	42.12
97.5	419.16	773.40	350.52	77.16	46.08
98.0	495.84	876.00	350.40	82.68	49.92
98.5	586.32	978.00	348.48	88.08	53.88
99.0	693.24	1079.64	345.36	93.84	57.96
99.5	813.96	1171.44	341.28	99.84	62.16
100.0	943.92	1251.60	336.60	106.44	66.36
100.5	1078.44	1314.00	332.28	112.68	70.56
101.0	1212.00	1356.00	328.68	118.44	74.76
101.5	1335.60	1377.60	325.80	124.44	79.08
102.0	1443.60	1383.60	323.88	131.04	83.40
102.5	1521.60	1371.60	323.40	137.04	87.72
103.0	1563.60	1347.60	324.00	143.04	92.16
103.5	1579.20	1317.60	325.20	148.68	96.60
104.0	1576.80	1282.80	327.36	154.44	101.04
104.5	1561.20	1248.00	330.60	159.84	105.48
105.0	1539.60	1219.20	333.96	165.36	110.04
105.5	1516.80	1188.00	338.04	171.12	114.48
106.0	1491.60	1159.92	342.36	176.64	119.04
106.5	1468.80	1135.68	347.28	182.28	123.48
107.0	1447.20	1114.56	352.92	187.92	128.28
107.5	1424.40	1095.96	359.28	193.56	132.72
108.0	1404.00	1078.68	365.52	199.20	137.40
108.5	1386.00	1064.76	371.88	204.96	141.96
109.0	1364.40	1052.16	378.72	210.84	146.64
109.5	1346.40	1041.36	385.56	216.60	151.32
110.0	1328.40	1031.76	393.36	222.24	156.00
110.5	1314.00	1023.60	401.40	228.00	160.68

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CANDELA TABULATION - (Cont.)

111.0	1298.40	1016.28	408.48	233.76	165.48
111.5	1285.20	1009.80	415.20	239.76	170.28
112.0	1274.40	1004.04	421.80	245.76	174.96
112.5	1263.60	998.88	428.40	251.76	179.88
113.0	1255.20	994.92	434.76	257.76	184.92
113.5	1248.00	991.92	440.88	263.76	189.72
114.0	1239.60	989.64	447.00	269.76	194.52
114.5	1232.40	988.20	452.88	276.00	199.56
115.0	1225.20	987.24	458.88	282.00	204.72
115.5	1220.40	987.00	464.88	288.12	209.64
116.0	1218.00	986.52	471.00	293.88	214.56
116.5	1214.40	985.80	476.88	299.64	219.60
117.0	1212.00	985.08	483.00	305.40	224.64
117.5	1209.60	983.88	488.64	311.16	229.68
118.0	1206.00	982.80	494.40	316.80	234.96
118.5	1203.60	981.48	500.40	322.56	240.00
119.0	1200.00	980.28	506.28	328.08	245.04
119.5	1197.36	978.96	511.92	333.60	250.32
120.0	1194.48	977.52	517.44	339.12	255.36
120.5	1191.00	975.96	523.08	344.16	260.64
121.0	1187.28	974.52	528.48	349.32	265.68
121.5	1183.68	973.08	533.76	354.36	270.84
122.0	1179.72	971.76	538.92	359.40	276.12
122.5	1175.76	969.96	543.96	364.32	281.16
123.0	1171.44	968.52	548.88	369.24	286.44
123.5	1167.36	966.72	553.56	374.04	291.60
124.0	1163.04	964.80	558.12	378.84	296.76
124.5	1158.36	962.88	562.68	383.52	301.80
125.0	1153.92	961.08	567.00	388.20	307.08
125.5	1149.48	959.16	571.20	392.88	312.36
126.0	1145.04	957.12	575.52	397.56	317.52
126.5	1140.48	955.08	579.36	402.00	322.56
127.0	1135.68	953.16	583.20	406.68	327.84
127.5	1131.24	951.00	586.92	411.00	332.88
128.0	1126.56	948.72	590.40	415.56	338.16
128.5	1121.64	946.20	593.88	419.88	343.08
129.0	1116.72	943.20	597.00	424.20	348.12
129.5	1111.80	940.20	600.36	428.52	353.52
130.0	1106.52	936.96	603.36	432.84	358.56
130.5	1101.12	933.48	606.24	436.92	363.72
131.0	1095.60	929.76	609.24	440.88	368.88
131.5	1089.96	926.16	611.76	444.96	374.16
132.0	1084.08	922.32	614.40	449.04	379.08
132.5	1078.08	918.36	616.92	452.88	384.12
133.0	1072.20	914.16	619.44	456.48	388.80
133.5	1065.84	909.60	621.72	460.44	393.36
134.0	1059.60	904.92	623.88	464.04	398.04
134.5	1052.76	900.12	626.16	467.64	402.12
135.0	1046.04	895.08	628.08	471.36	406.56
135.5	1039.08	890.16	630.00	475.08	411.12
136.0	1032.00	885.24	631.92	478.32	415.44
136.5	1024.56	880.44	633.84	481.68	420.24
137.0	1016.88	875.28	635.64	485.28	424.32
137.5	1008.84	870.12	637.32	488.88	428.76
138.0	1001.04	864.84	638.88	492.12	433.20
138.5	992.64	859.80	640.44	495.36	437.40

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CANDELA TABULATION - (Cont.)

139.0	984.24	854.40	641.88	498.60	441.48
139.5	975.72	849.12	643.44	501.84	445.56
140.0	967.08	843.84	644.76	505.32	449.76
140.5	958.68	838.68	646.08	508.44	453.48
141.0	949.68	833.52	647.16	511.56	457.44
141.5	941.28	828.24	648.24	514.80	461.16
142.0	932.52	823.32	649.32	517.80	464.88
142.5	923.76	818.40	650.04	521.04	468.84
143.0	915.00	813.48	651.00	524.16	472.92
143.5	906.60	808.80	651.96	527.04	477.12
144.0	898.32	804.12	652.68	529.92	481.20
144.5	889.80	799.56	653.28	532.80	485.16
145.0	881.52	795.00	653.64	535.68	488.76
145.5	873.72	790.68	654.24	538.56	492.72
146.0	865.80	786.48	654.84	541.20	496.56
146.5	858.24	782.16	655.08	543.84	500.40
147.0	850.80	778.20	655.44	546.36	504.24
147.5	843.84	774.24	655.56	549.00	507.96
148.0	837.00	770.28	655.68	551.28	511.56
148.5	830.28	766.44	655.80	553.80	515.16
149.0	824.04	762.84	655.68	556.20	518.64
149.5	817.80	759.24	655.68	558.60	521.88
150.0	811.80	755.64	655.44	561.12	525.48
150.5	806.16	752.16	655.32	563.28	529.44
151.0	800.64	748.68	655.20	565.68	532.32
151.5	795.24	745.44	655.08	567.96	535.56
152.0	790.32	742.20	654.96	570.60	538.80
152.5	785.40	739.20	654.72	573.12	542.28
153.0	780.96	736.08	654.72	575.40	545.76
153.5	776.28	732.96	654.60	577.68	548.88
154.0	771.96	730.08	654.48	579.96	552.12
154.5	767.64	726.96	654.24	582.00	555.12
155.0	763.68	724.20	654.12	584.52	558.36
155.5	759.72	721.56	653.88	586.92	561.48
156.0	756.00	718.80	653.64	589.44	564.72
156.5	752.52	716.28	653.28	591.72	567.48
157.0	748.92	713.76	653.04	594.12	570.48
157.5	745.44	711.12	653.04	596.28	573.84
158.0	742.08	708.72	652.80	598.56	576.84
158.5	738.72	706.20	652.68	600.84	579.60
159.0	735.24	703.92	652.32	602.88	582.36
159.5	732.00	701.64	651.96	604.92	584.88
160.0	728.76	699.24	651.84	607.08	587.52
160.5	725.40	696.84	651.72	609.24	590.52
161.0	722.28	694.56	651.48	611.40	593.28
161.5	719.04	692.40	651.24	613.32	595.92
162.0	715.68	690.12	651.12	615.24	598.68
162.5	712.44	687.84	651.00	617.04	600.96
163.0	709.20	685.68	650.88	618.84	603.36
163.5	705.96	683.16	650.64	620.52	605.76
164.0	702.60	681.12	650.28	622.20	608.04
164.5	699.72	678.72	650.04	623.88	610.44
165.0	696.60	676.68	649.80	625.56	612.84
165.5	693.72	674.64	649.56	627.00	615.12
166.0	691.08	672.60	649.44	628.56	617.28
166.5	688.20	670.80	649.20	630.12	619.44

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CANDELA TABULATION - (Cont.)

167.0	685.56	668.88	649.08	631.56	621.36
167.5	682.80	666.96	648.72	633.00	623.16
168.0	680.40	665.40	648.48	634.68	625.08
168.5	678.12	663.84	648.36	636.00	626.76
169.0	675.96	662.28	648.24	637.20	628.68
169.5	673.80	660.72	648.24	638.64	630.24
170.0	671.88	659.52	648.24	639.72	631.92
170.5	669.96	658.20	648.36	640.80	633.36
171.0	668.52	657.12	648.36	642.00	634.92
171.5	667.08	656.04	648.60	642.96	636.48
172.0	665.76	655.08	648.84	644.04	637.92
172.5	664.44	654.24	648.84	645.00	639.12
173.0	663.60	653.52	648.96	645.84	640.44
173.5	662.52	652.92	649.32	646.68	641.76
174.0	661.92	652.32	649.44	647.28	642.72
174.5	661.44	652.08	649.56	648.12	643.56
175.0	660.84	651.84	649.68	648.60	644.52
175.5	660.72	651.72	650.04	649.32	645.24
176.0	660.48	651.36	650.16	650.04	645.96
176.5	660.12	651.36	650.28	650.40	646.80
177.0	660.00	651.12	650.40	651.00	647.16
177.5	659.64	651.12	650.64	651.36	647.88
178.0	659.40	650.88	650.88	651.72	648.36
178.5	659.16	651.00	651.00	651.96	648.48
179.0	659.28	650.88	651.12	652.20	648.96
179.5	659.16	650.76	651.00	652.32	648.96
180.0	652.08	652.08	652.08	652.08	652.08

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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	0.47	N.A.	0.00
10-90	0.47	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	0.47	N.A.	0.00
90-110	911.95	N.A.	25.30
90-120	1520.74	N.A.	42.10
90-130	2113.06	N.A.	58.50
90-150	3058.41	N.A.	84.70
90-180	3609.24	N.A.	100.00
110-180	2697.29	N.A.	74.70
0-180	3609.71	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	0.47
90-100	253.57
100-110	658.38
110-120	608.78
120-130	592.32
130-140	525.76
140-150	419.59
150-160	303.91
160-170	184.84
170-180	62.08

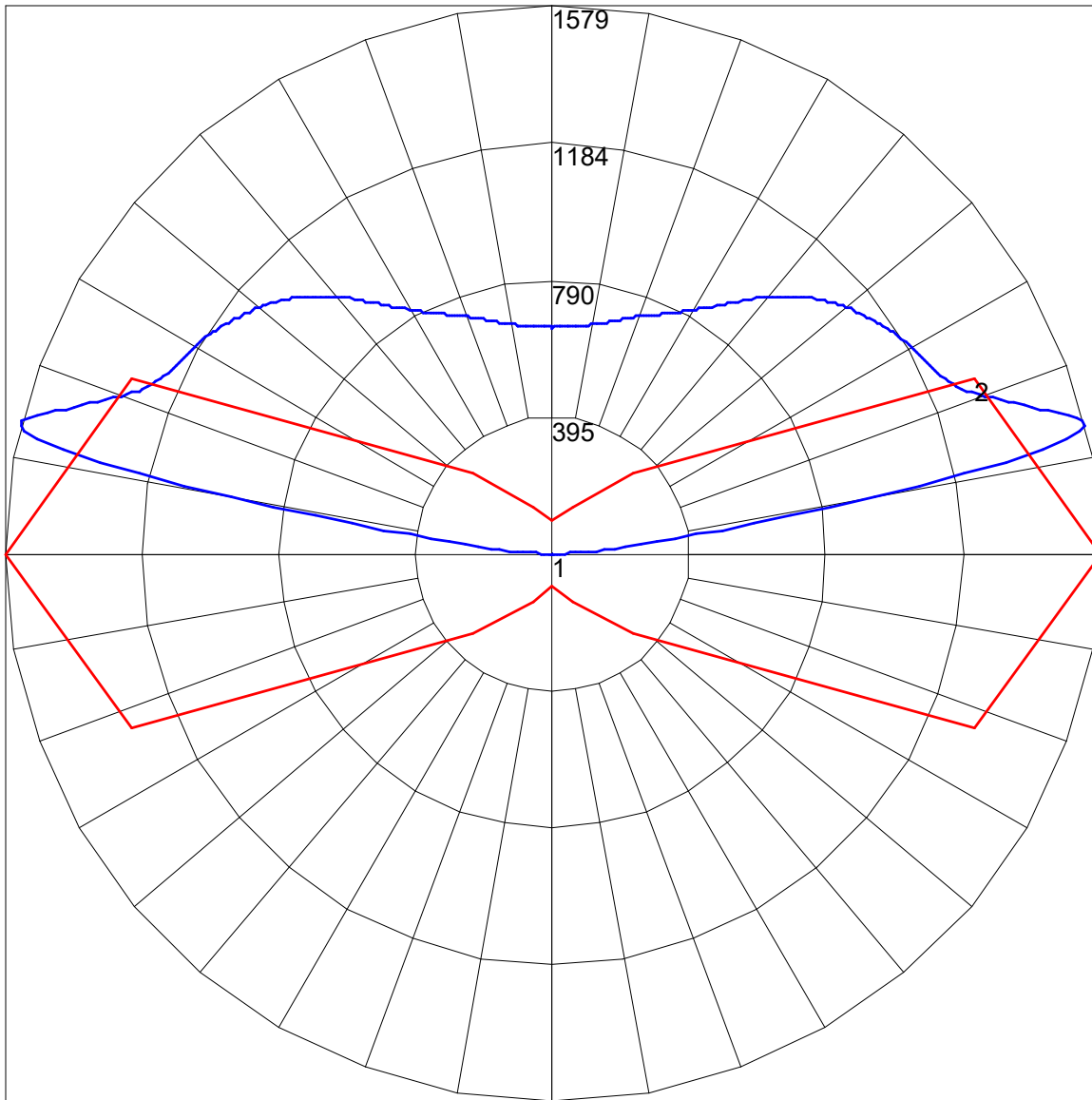
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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	27	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

POLAR GRAPH



Maximum Candela = 1579.2 Located At Horizontal Angle = 0, Vertical Angle = 103.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (103.5) (Through Max. Cd.)