



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 18 July 2017

[ISSUEDATE] 2017-07-18 17:47:14

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] Mobern Lighting Co.

[LUMCAT] CPYRA12PG-LED45DMVxx50

[LUMINAIRE] LED

[BALLAST] 120-277V,50/60Hz

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	69.42	69.42	1.36	1.36
[OTHER]	10- 20	213.05	282.47	5.55	5.55
[OTHER]	20- 30	386.41	668.88	13.14	13.14
[OTHER]	30- 40	603.75	1272.62	25.00	25.00
[OTHER]	40- 50	832.54	2105.16	41.35	41.35
[OTHER]	50- 60	1023.49	3128.65	61.46	61.46
[OTHER]	60- 70	967.30	4095.95	80.46	80.46
[OTHER]	70- 80	591.76	4687.72	92.08	92.08
[OTHER]	80- 90	257.85	4945.57	97.15	97.15
[OTHER]	90-100	85.45	5031.02	98.82	98.82
[OTHER]	100-110	33.90	5064.93	99.49	99.49
[OTHER]	110-120	16.20	5081.13	99.81	99.81
[OTHER]	120-130	7.78	5088.91	99.96	99.96
[OTHER]	130-140	1.85	5090.76	100.00	100.00
[OTHER]	140-150	0.11	5090.86	100.00	100.00
[OTHER]	150-160	0.02	5090.89	100.00	100.00
[OTHER]	160-170	0.01	5090.90	100.00	100.00
[OTHER]	170-180	0.00	5090.90	100.00	100.00
[OTHER]					

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CHARACTERISTICS

Lumens Per Lamp	5090.9 (1 lamp)
Total Lamp Lumens	5090.9
Luminaire Lumens	5091
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	44.0061
Ballast Factor	0.99
CIE Type	Direct
Spacing Criterion (0-180)	2.08
Spacing Criterion (90-270)	2.04
Spacing Criterion (Diagonal)	2.20
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.30 m (Diameter)
Luminous Width (90-270)	0.30 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	21228	21010	20881
55	28354	28087	27397
65	33140	33056	33659
75	29490	29917	32330
85	35617	37790	41614

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CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>
0	720.239	720.239	720.239	720.239	720.239	720.239	720.239	720.239	720.239	720.239
1	720.230	720.530	720.240	720.210	719.150	720.050	719.890	720.370	720.320	720.430
2	720.970	720.920	720.870	720.480	719.880	720.220	720.610	721.100	720.980	721.200
3	721.950	721.910	721.340	721.140	720.610	720.980	721.750	722.190	722.360	722.670
4	722.000	722.160	721.680	721.430	720.780	721.440	722.780	723.090	723.480	723.790
5	722.660	722.730	722.090	721.650	721.410	722.140	723.300	723.630	724.690	724.920
6	722.890	723.470	722.130	721.840	721.580	722.770	724.000	724.420	725.700	726.090
7	723.210	723.380	722.440	721.700	721.930	722.990	724.700	725.250	726.450	726.830
8	723.690	723.910	723.230	722.730	722.840	723.840	725.210	726.050	727.610	727.600
9	724.520	724.610	723.630	723.810	724.050	725.080	725.960	727.480	728.800	729.710
10	725.310	725.110	724.300	724.470	724.370	725.890	727.250	728.630	730.310	731.510
11	726.780	725.880	725.400	724.960	725.480	726.620	728.190	729.850	731.310	733.180
12	728.280	727.130	726.830	726.250	727.230	727.810	729.930	731.520	732.820	735.160
13	730.660	729.130	729.240	728.350	729.420	730.030	731.880	733.780	735.370	737.600
14	733.760	732.060	732.020	731.150	732.440	733.020	734.520	736.730	737.850	740.860
15	737.780	735.710	735.700	735.190	736.430	736.580	737.980	740.890	741.730	745.050
16	742.400	740.030	740.220	739.690	741.290	741.240	742.230	745.530	746.400	749.940
17	747.930	745.270	745.440	744.890	746.010	746.180	747.200	750.510	751.490	754.990
18	754.030	750.970	751.310	751.100	751.810	751.790	752.720	756.170	757.320	761.230
19	760.700	757.270	758.060	757.800	758.680	758.170	758.820	762.660	763.600	768.130
20	767.840	764.570	765.120	764.840	765.880	765.530	766.000	769.440	771.150	775.770
21	776.270	772.170	773.420	772.870	774.130	773.460	773.580	777.180	779.090	784.040
22	785.250	781.040	782.450	781.480	783.230	782.140	782.220	785.680	787.630	792.490
23	795.490	790.460	791.860	791.230	792.690	791.810	791.080	794.840	796.720	802.270
24	805.880	800.830	802.360	801.590	803.360	801.670	800.770	804.850	806.590	812.270
25	817.070	811.580	812.890	812.440	814.250	812.410	811.090	815.460	816.940	822.600
26	828.860	823.230	824.790	823.800	825.460	823.830	822.570	826.940	827.900	834.210
27	841.420	835.330	836.680	835.870	837.670	835.730	833.940	838.230	840.150	846.040
28	854.230	847.970	849.440	848.190	850.420	847.980	846.200	850.280	852.090	858.320
29	867.620	861.220	862.710	860.940	863.180	860.590	858.780	863.080	864.680	870.930
30	881.520	874.870	876.250	874.390	875.820	873.380	871.340	875.790	877.860	884.030
31	895.560	888.500	889.790	888.120	888.370	886.680	884.420	888.230	890.850	897.490
32	909.340	901.790	902.660	901.390	901.660	899.820	897.530	901.330	904.260	911.210
33	922.650	915.090	915.070	912.970	914.010	913.100	910.270	914.330	917.170	924.400
34	935.080	927.390	926.790	924.950	925.600	925.250	922.760	927.200	929.570	936.080
35	947.050	939.290	938.860	936.340	937.520	937.050	935.300	939.710	941.250	947.880
36	958.310	951.690	950.420	948.010	948.760	948.720	947.480	951.760	953.090	959.780
37	970.720	962.950	962.380	959.780	960.890	960.490	959.870	963.780	965.070	971.640
38	982.320	975.260	973.890	971.270	973.480	972.250	972.320	975.400	977.000	983.130
39	993.960	986.810	985.880	983.290	985.020	983.510	983.820	987.230	988.470	994.700
40	1006.010	998.640	998.230	995.090	996.910	995.350	995.010	998.260	999.860	1006.400
41	1017.240	1010.300	1009.300	1006.750	1008.550	1006.390	1006.260	1009.400	1011.400	1017.630
42	1028.910	1021.470	1020.520	1017.840	1019.630	1017.190	1016.550	1019.820	1022.700	1028.550
43	1039.730	1033.270	1031.270	1028.800	1029.930	1028.070	1025.910	1029.460	1032.340	1038.100
44	1050.560	1044.240	1041.840	1039.880	1041.290	1038.140	1035.160	1038.950	1041.760	1047.630
45	1061.470	1055.690	1052.720	1050.580	1052.490	1047.380	1044.130	1048.560	1050.280	1056.750
46	1072.300	1067.320	1063.660	1061.680	1063.900	1056.660	1052.920	1057.740	1059.240	1065.850
47	1083.150	1078.560	1074.690	1073.150	1075.730	1065.780	1060.900	1066.470	1067.350	1074.730
48	1093.860	1090.470	1085.780	1083.360	1086.830	1074.660	1069.310	1074.830	1075.590	1082.760
49	1104.170	1101.470	1096.090	1094.240	1097.590	1084.110	1077.120	1082.980	1083.210	1091.080
50	1113.700	1112.440	1105.970	1103.880	1107.950	1092.760	1084.070	1090.140	1090.130	1097.810
51	1123.100	1122.310	1115.730	1113.440	1118.220	1101.090	1090.740	1096.410	1096.160	1103.990
52	1131.230	1131.970	1124.770	1121.960	1127.650	1108.830	1096.730	1102.390	1101.680	1109.770
53	1139.200	1141.150	1132.020	1129.580	1136.740	1116.240	1102.690	1107.760	1106.490	1114.570

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54	1145.520	1149.880	1137.980	1135.440	1144.950	1122.110	1107.350	1111.830	1110.030	1117.920
55	1150.070	1155.590	1141.340	1139.240	1150.540	1126.770	1111.260	1114.820	1111.470	1119.240
56	1151.670	1159.070	1142.950	1140.760	1153.160	1129.660	1112.910	1115.880	1111.200	1118.590
57	1150.250	1159.090	1140.750	1138.930	1152.900	1130.350	1112.690	1115.110	1108.780	1116.370
58	1145.470	1155.480	1134.890	1133.450	1148.780	1127.560	1110.340	1111.620	1103.670	1110.630
59	1136.720	1148.390	1126.050	1124.700	1141.560	1122.000	1105.450	1105.200	1095.370	1102.810
60	1122.410	1136.750	1112.320	1111.820	1130.520	1113.400	1097.770	1095.490	1083.760	1091.670
61	1104.480	1120.060	1095.340	1095.500	1115.310	1101.120	1086.000	1082.180	1069.510	1077.530
62	1082.140	1099.320	1074.630	1074.830	1095.690	1084.940	1071.270	1065.940	1051.580	1058.990
63	1055.590	1073.870	1048.560	1049.970	1071.850	1064.810	1053.410	1045.660	1030.820	1037.270
64	1025.200	1043.990	1020.380	1020.910	1043.660	1041.050	1031.020	1021.380	1006.030	1010.750
65	990.410	1009.100	986.750	987.920	1012.210	1012.790	1005.920	992.920	978.370	981.290
66	950.750	969.920	949.850	951.080	975.460	980.350	976.630	961.320	946.910	948.500
67	908.360	927.050	908.580	911.170	936.200	944.640	942.750	926.370	912.110	912.940
68	862.950	880.820	863.510	868.040	892.100	904.070	905.910	887.330	874.240	873.700
69	815.770	832.860	817.250	822.120	845.280	860.170	865.170	845.450	832.730	831.040
70	767.020	782.900	768.460	774.900	796.200	813.820	821.900	800.840	789.630	786.850
71	718.650	733.300	720.660	726.130	746.830	765.050	775.460	753.610	744.460	740.420
72	671.000	683.190	672.050	679.350	696.930	716.830	728.250	706.470	698.810	696.040
73	624.950	636.110	626.350	633.570	648.550	668.960	680.970	659.620	653.690	650.890
74	580.860	590.730	581.270	589.840	602.840	623.710	635.140	614.850	610.050	607.480
75	539.740	548.360	540.500	547.560	559.040	579.010	591.730	571.870	568.850	565.620
76	500.410	508.310	499.870	507.790	518.410	537.240	549.360	531.150	528.530	526.140
77	463.010	470.180	463.240	470.850	479.060	498.000	509.700	492.470	491.200	488.190
78	427.850	434.330	427.480	434.980	442.860	460.450	471.570	455.580	454.960	452.450
79	394.620	400.800	395.040	401.670	408.470	425.520	436.340	421.450	421.300	419.140
80	363.390	369.050	364.310	370.330	375.950	391.890	402.750	388.740	389.140	387.010
81	334.040	339.150	335.020	341.030	346.210	361.200	370.740	358.230	359.260	357.140
82	306.140	311.480	306.990	312.960	317.580	331.360	340.550	329.480	331.050	328.370
83	278.470	284.840	281.020	286.270	290.590	303.360	312.280	302.220	303.770	301.480
84	250.130	257.620	254.810	260.700	263.840	275.730	284.620	275.250	278.110	275.620
85	219.520	228.930	226.260	232.910	235.420	246.930	256.480	247.890	252.270	249.810
86	190.370	200.230	196.960	205.110	205.220	219.230	227.870	217.390	224.400	220.780
87	166.200	171.540	171.800	177.330	178.810	191.530	199.260	189.100	196.540	191.570
88	144.570	149.780	150.120	155.350	156.480	163.910	170.660	164.650	168.800	167.000
89	123.960	128.330	128.650	134.050	134.050	142.180	149.050	143.240	147.540	145.120
90	114.310	116.180	116.600	118.550	118.460	121.910	127.030	122.080	125.570	123.730
91	106.500	107.880	108.520	110.130	109.810	113.040	115.770	112.610	114.470	113.650
92	99.180	100.390	100.910	102.450	102.060	105.030	107.620	104.580	106.330	105.760
93	92.610	93.670	94.160	95.560	95.250	97.800	100.190	97.410	99.090	98.550
94	86.980	87.400	87.410	89.190	88.550	91.240	93.470	90.920	92.540	91.950
95	81.370	81.710	82.120	83.460	72.770	84.680	87.280	68.370	86.390	86.390
96	75.770	76.550	76.850	78.140	56.730	56.420	81.560	45.660	73.260	80.850
97	71.120	71.790	72.080	73.170	40.680	28.160	71.190	22.960	45.890	75.310
98	66.760	67.370	67.730	66.030	27.510	0.270	60.830	11.790	30.340	68.210
99	62.700	63.270	63.550	54.770	18.220	7.370	50.460	1.000	16.710	55.170
100	58.980	59.520	59.030	43.110	22.120	14.940	40.090	15.770	18.890	42.300
101	55.510	55.950	52.640	34.180	25.460	45.410	29.920	30.830	25.280	32.560
102	52.240	52.430	45.010	27.400	28.490	46.990	54.900	45.900	29.960	25.120
103	49.210	48.210	37.700	22.050	31.340	44.180	52.680	43.800	34.080	17.570
104	45.910	43.400	31.290	15.900	34.600	41.530	49.620	41.210	38.680	13.380
105	41.880	38.080	25.180	13.040	38.120	39.010	46.730	38.700	43.240	13.050
106	36.670	32.200	18.430	14.210	41.450	36.660	44.030	36.410	43.800	15.970
107	30.030	24.650	11.190	15.860	39.860	34.410	41.490	34.170	41.220	18.230
108	22.310	17.100	9.940	17.130	37.580	32.270	39.080	32.080	38.750	20.110
109	13.610	9.580	8.790	18.340	35.350	30.230	36.750	30.030	36.400	21.090

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CANDELA TABULATION - (Cont.)

110	9.220	4.180	7.650	19.600	33.190	28.310	34.520	28.120	34.160	22.280
111	4.840	1.860	8.740	20.870	31.140	26.450	32.410	26.250	32.030	24.780
112	0.460	2.480	9.630	23.520	29.140	24.690	30.330	24.500	29.980	27.480
113	0.820	3.300	10.470	26.010	27.270	22.970	28.380	22.750	28.040	27.640
114	1.530	4.090	11.300	25.260	25.450	21.340	26.480	21.150	26.150	25.750
115	2.560	4.930	12.050	23.530	23.690	19.850	24.680	19.580	24.340	23.900
116	3.850	5.760	13.080	21.860	22.040	18.350	22.970	18.090	22.620	22.110
117	5.160	6.560	15.140	20.350	20.420	16.860	21.330	16.670	21.000	20.440
118	6.030	7.460	16.130	18.840	18.890	15.510	19.830	15.320	19.490	18.850
119	6.480	9.090	15.100	17.330	17.450	14.250	18.320	14.040	17.980	17.340
120	6.870	10.170	13.860	15.930	16.060	13.040	16.820	12.840	16.460	15.940
121	7.230	9.970	12.670	14.640	14.730	11.900	15.450	11.690	15.130	14.600
122	7.200	9.080	11.560	13.410	13.490	10.810	14.150	10.630	13.840	13.360
123	6.570	8.250	10.530	12.260	12.300	9.810	12.940	9.610	12.640	12.170
124	5.920	7.480	9.550	11.170	11.190	8.850	11.780	8.720	11.510	11.080
125	5.310	6.780	8.640	10.150	10.140	7.960	10.710	7.840	10.430	10.050
126	4.750	6.120	7.780	9.180	9.220	7.130	9.670	7.040	9.440	9.150
127	4.220	5.480	7.010	8.270	8.300	6.060	8.620	5.960	8.500	8.260
128	3.720	4.900	6.270	7.420	7.370	3.950	6.420	4.210	7.630	7.360
129	3.260	4.350	5.590	6.610	6.550	3.770	0.930	4.020	6.820	6.580
130	2.840	3.840	4.950	5.860	5.780	4.270	1.630	4.150	6.040	5.850
131	2.450	3.360	4.340	5.160	5.040	3.720	4.090	3.570	5.320	5.160
132	2.090	2.910	3.780	4.500	4.380	3.190	3.530	3.040	4.650	4.520
133	1.740	2.520	3.260	3.890	3.770	2.670	3.010	2.560	4.030	3.910
134	1.440	2.140	2.770	3.310	3.200	2.240	2.520	2.140	3.450	3.360
135	1.160	1.800	2.320	2.790	2.700	1.860	2.080	1.790	2.900	2.850
136	0.920	1.490	1.920	2.280	2.240	1.510	1.670	1.470	2.410	2.380
137	0.720	1.200	1.550	1.830	1.820	1.210	1.290	1.180	1.950	1.940
138	0.550	0.950	1.230	1.420	1.440	0.950	0.960	0.940	1.530	1.540
139	0.410	0.720	0.950	1.050	1.100	0.740	0.670	0.720	1.170	1.190
140	0.310	0.510	0.700	0.750	0.790	0.560	0.440	0.530	0.850	0.890
141	0.240	0.330	0.480	0.510	0.510	0.400	0.270	0.370	0.580	0.620
142	0.180	0.190	0.300	0.340	0.290	0.270	0.150	0.230	0.370	0.410
143	0.130	0.100	0.180	0.210	0.140	0.150	0.090	0.120	0.230	0.260
144	0.090	0.060	0.100	0.120	0.060	0.070	0.060	0.060	0.130	0.150
145	0.060	0.060	0.060	0.070	0.050	0.050	0.050	0.060	0.080	0.090
146	0.060	0.060	0.050	0.050	0.050	0.050	0.050	0.070	0.060	0.070
147	0.060	0.050	0.050	0.050	0.050	0.050	0.050	0.070	0.070	0.070
148	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.070	0.070	0.070
149	0.050	0.050	0.050	0.040	0.050	0.040	0.050	0.060	0.070	0.070
150	0.050	0.050	0.050	0.040	0.050	0.040	0.050	0.060	0.060	0.070
151	0.050	0.050	0.050	0.040	0.050	0.040	0.050	0.060	0.060	0.060
152	0.050	0.050	0.050	0.040	0.050	0.040	0.050	0.060	0.060	0.060
153	0.050	0.050	0.050	0.040	0.050	0.040	0.050	0.060	0.060	0.060
154	0.050	0.050	0.050	0.040	0.040	0.040	0.050	0.060	0.060	0.060
155	0.050	0.050	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060
156	0.050	0.050	0.040	0.050	0.040	0.040	0.040	0.050	0.060	0.060
157	0.050	0.040	0.040	0.050	0.040	0.040	0.040	0.050	0.060	0.060
158	0.050	0.040	0.040	0.050	0.040	0.040	0.040	0.060	0.060	0.060
159	0.050	0.040	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060
160	0.050	0.040	0.040	0.040	0.040	0.040	0.050	0.060	0.060	0.060
161	0.050	0.040	0.040	0.040	0.040	0.040	0.050	0.060	0.060	0.060
162	0.050	0.040	0.040	0.040	0.040	0.040	0.050	0.060	0.060	0.060
163	0.050	0.040	0.040	0.040	0.040	0.040	0.050	0.060	0.060	0.060
164	0.050	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060	0.060
165	0.050	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060	0.060

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CANDELA TABULATION - (Cont.)

166	0.040	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060	0.060
167	0.040	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060	0.060
168	0.040	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060	0.070
169	0.040	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060	0.070
170	0.040	0.040	0.040	0.040	0.040	0.030	0.060	0.060	0.060	0.060
171	0.040	0.040	0.040	0.040	0.030	0.030	0.060	0.060	0.060	0.060
172	0.040	0.030	0.030	0.030	0.030	0.030	0.060	0.060	0.060	0.060
173	0.040	0.030	0.030	0.030	0.030	0.030	0.050	0.060	0.060	0.060
174	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.060	0.050	0.050
175	0.030	0.030	0.030	0.020	0.030	0.020	0.050	0.060	0.050	0.050
176	0.030	0.030	0.020	0.020	0.020	0.020	0.050	0.050	0.050	0.050
177	0.030	0.030	0.030	0.020	0.020	0.020	0.040	0.050	0.040	0.050
178	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.040	0.050
179	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.040	0.050
180	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>165</u>	<u>180</u>	<u>195</u>	<u>210</u>	<u>225</u>	<u>240</u>	<u>255</u>	<u>270</u>	<u>285</u>
0	720.239	720.239	720.239	720.239	720.239	720.239	720.239	720.239	720.239	720.239
1	720.270	720.400	720.310	721.120	721.060	721.550	720.630	721.670	722.190	721.640
2	721.700	721.920	722.010	723.020	723.000	723.260	722.720	723.910	724.050	723.270
3	723.150	723.620	723.760	724.700	725.320	725.680	724.910	725.950	726.040	724.860
4	724.430	725.600	725.860	727.010	727.430	727.860	726.980	727.910	727.600	726.320
5	725.820	726.900	727.670	728.900	729.150	729.420	728.690	729.100	728.700	727.380
6	726.940	728.140	729.060	730.600	731.010	730.690	730.350	730.340	730.230	728.540
7	728.130	729.720	730.610	732.330	732.240	732.310	731.930	731.460	731.500	729.900
8	729.430	730.970	731.940	733.690	733.740	734.150	733.830	733.620	733.070	731.800
9	731.410	732.940	733.760	736.170	736.470	736.920	736.240	735.570	735.370	733.890
10	733.370	734.800	735.870	737.900	738.520	739.180	738.700	738.070	737.570	735.660
11	735.210	736.660	737.720	740.090	740.600	741.330	740.930	740.170	740.150	738.010
12	737.200	739.070	740.260	742.310	743.230	744.090	743.830	743.350	742.990	740.580
13	739.770	742.190	742.980	745.380	746.320	747.650	746.940	746.920	746.730	743.680
14	743.020	745.850	746.780	749.210	750.310	751.840	751.480	751.590	751.340	748.030
15	747.220	749.910	751.110	753.650	754.670	757.040	756.820	756.900	756.520	753.100
16	752.320	754.790	755.800	759.070	760.420	762.850	762.650	763.200	763.140	758.880
17	757.690	760.860	761.920	765.320	766.510	769.370	769.440	769.860	769.910	765.870
18	763.660	767.030	768.320	772.000	773.450	776.590	776.860	777.360	777.690	773.250
19	770.440	773.890	775.370	779.310	780.910	784.950	784.780	785.880	785.930	781.100
20	777.810	781.710	783.240	787.160	789.690	794.000	793.760	794.860	795.260	789.690
21	786.020	790.230	791.640	795.530	798.930	803.330	803.580	805.040	805.100	798.980
22	795.010	799.720	800.920	804.760	808.640	813.660	813.720	815.670	816.060	808.900
23	804.640	809.440	811.110	815.130	819.300	824.540	824.920	827.280	827.310	819.720
24	814.800	820.410	821.490	825.520	829.980	836.260	837.410	839.560	839.300	831.570
25	825.840	831.330	832.480	837.350	841.770	849.250	849.730	852.400	852.110	843.970
26	837.040	843.510	844.020	849.250	854.180	861.960	863.460	865.480	865.640	856.800
27	848.990	855.620	856.250	862.020	866.980	875.550	877.270	879.530	879.660	870.210
28	861.550	867.990	869.070	874.860	880.430	889.410	891.450	893.830	894.270	884.200
29	874.440	881.270	881.840	888.230	894.490	903.620	905.800	908.530	908.680	898.630
30	887.670	894.450	895.100	901.880	908.710	918.270	919.990	923.790	923.890	913.560
31	900.710	907.880	908.870	915.980	923.180	933.220	935.180	939.710	938.870	928.120
32	913.610	921.460	923.020	929.950	937.790	947.790	949.700	954.620	953.250	942.170
33	926.690	935.010	937.070	943.680	950.970	961.270	963.980	968.360	967.020	956.110
34	938.830	948.020	950.100	957.010	963.870	974.170	976.970	981.160	980.450	969.650
35	951.250	960.060	962.190	969.710	976.380	986.750	989.750	994.200	993.390	982.640
36	963.230	972.270	974.430	982.610	989.640	999.520	1002.620	1007.100	1006.500	995.440

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CANDELA TABULATION - (Cont.)

37	975.460	983.830	986.540	995.160	1001.950	1011.920	1015.440	1019.810	1019.580	1008.130
38	987.300	995.530	999.180	1007.840	1014.760	1024.230	1028.430	1032.400	1031.740	1020.220
39	999.390	1007.420	1010.980	1019.800	1027.650	1036.720	1040.900	1045.010	1044.490	1032.340
40	1011.310	1018.710	1022.940	1031.890	1040.390	1048.770	1053.670	1057.240	1056.630	1044.680
41	1023.470	1030.890	1034.230	1043.810	1052.750	1061.210	1066.160	1069.570	1068.280	1056.250
42	1034.420	1042.250	1045.440	1055.270	1063.980	1072.900	1077.670	1081.490	1079.360	1067.880
43	1045.140	1053.480	1055.940	1066.170	1075.110	1083.610	1089.440	1092.320	1089.800	1078.790
44	1055.680	1063.190	1066.160	1076.930	1085.400	1093.750	1100.540	1103.270	1100.280	1090.050
45	1066.170	1073.440	1075.740	1087.000	1095.780	1103.650	1112.460	1114.040	1110.050	1101.380
46	1076.590	1083.240	1085.110	1097.820	1105.590	1114.150	1123.230	1123.900	1120.110	1111.450
47	1086.930	1093.080	1094.370	1107.530	1114.760	1123.280	1134.470	1133.960	1129.650	1121.830
48	1097.170	1102.500	1103.300	1116.890	1124.070	1133.090	1145.420	1143.600	1138.910	1131.510
49	1106.990	1111.610	1112.170	1126.180	1132.120	1141.450	1155.990	1153.380	1147.050	1140.840
50	1116.470	1119.850	1119.880	1133.940	1138.900	1149.030	1165.840	1162.230	1154.410	1148.770
51	1124.490	1128.070	1126.870	1140.920	1145.360	1155.890	1173.830	1169.790	1161.900	1156.280
52	1132.590	1135.990	1133.430	1146.770	1151.610	1161.670	1181.970	1176.830	1167.250	1162.960
53	1140.270	1143.080	1139.000	1152.240	1155.510	1165.900	1188.870	1182.480	1171.470	1167.900
54	1147.120	1149.200	1143.610	1155.900	1157.830	1168.500	1193.590	1186.090	1173.500	1171.280
55	1152.150	1152.970	1146.570	1157.730	1157.950	1168.370	1195.980	1186.940	1173.660	1172.370
56	1154.300	1154.580	1147.790	1156.890	1155.600	1165.370	1195.240	1184.860	1170.880	1170.740
57	1154.420	1154.330	1146.450	1154.020	1149.920	1159.780	1191.280	1179.740	1165.120	1165.180
58	1151.470	1150.600	1141.920	1147.620	1141.670	1150.530	1183.500	1171.150	1155.730	1156.750
59	1145.490	1143.290	1134.960	1137.770	1129.140	1137.570	1171.520	1158.220	1141.800	1143.630
60	1135.530	1132.710	1123.430	1123.990	1113.310	1120.290	1154.880	1141.440	1124.610	1126.500
61	1121.390	1118.090	1108.460	1106.480	1093.520	1099.160	1134.470	1120.060	1102.880	1105.450
62	1103.840	1099.280	1089.450	1084.860	1069.930	1073.860	1109.030	1095.130	1077.000	1080.680
63	1081.240	1076.930	1066.220	1059.040	1043.470	1044.820	1079.310	1066.350	1047.770	1050.990
64	1054.860	1049.790	1039.920	1028.920	1012.410	1011.760	1045.970	1032.520	1014.550	1017.700
65	1024.680	1018.720	1008.990	995.200	979.500	977.230	1008.690	995.240	977.540	979.780
66	989.980	984.150	975.540	957.910	942.020	937.370	967.500	954.470	936.930	939.390
67	951.320	945.180	936.760	917.740	901.940	895.720	924.000	910.700	893.720	895.860
68	909.590	902.510	895.810	873.880	859.590	851.360	877.370	864.420	847.770	850.240
69	864.910	856.770	851.080	828.070	814.070	805.190	829.020	816.510	800.600	802.320
70	817.740	810.070	804.230	780.330	768.320	758.450	780.020	767.870	752.240	754.640
71	769.340	760.900	757.370	732.440	721.260	711.510	730.640	718.840	705.270	706.740
72	720.510	713.940	709.400	685.340	675.810	666.610	683.060	672.130	657.680	660.410
73	673.760	665.780	663.730	639.710	630.950	622.410	637.380	626.420	613.320	615.290
74	627.160	621.680	618.140	596.100	588.810	580.420	593.070	583.140	570.870	572.850
75	584.000	577.920	575.890	554.530	548.740	540.660	551.390	542.230	530.310	532.110
76	542.430	537.360	534.990	514.620	509.760	502.270	511.550	503.200	492.010	493.120
77	502.890	498.290	496.820	477.740	473.700	466.490	474.560	466.220	455.470	457.200
78	465.730	461.370	460.250	442.460	438.660	432.130	439.270	431.180	421.710	422.900
79	430.360	426.990	425.950	409.170	406.450	400.310	405.990	398.810	388.970	390.660
80	397.540	393.790	393.220	377.690	375.740	369.570	374.870	367.540	359.040	360.310
81	366.580	363.010	362.250	348.210	346.800	340.840	345.500	338.520	329.760	331.640
82	337.080	333.570	333.250	320.220	319.400	313.640	317.940	310.990	302.250	304.280
83	309.410	305.870	305.100	293.560	292.680	287.350	291.170	283.670	275.000	277.750
84	282.780	278.460	277.990	266.830	267.400	261.400	264.840	255.830	246.210	250.530
85	255.860	249.760	249.610	238.840	240.080	233.510	234.610	224.760	215.040	221.680
86	226.990	218.920	220.670	208.020	209.800	201.660	204.390	193.790	185.170	192.840
87	198.130	188.680	191.740	179.120	179.710	173.570	174.320	167.000	160.520	164.110
88	169.390	164.130	163.010	155.010	155.580	150.580	150.990	144.590	138.150	142.250
89	147.310	141.470	140.980	133.100	133.980	128.600	128.410	122.980	118.620	121.260
90	124.180	119.770	119.050	114.110	115.380	114.520	114.330	112.260	110.110	111.170
91	113.100	110.700	109.510	106.130	107.550	106.630	106.420	104.570	102.590	103.440
92	105.320	103.070	102.130	98.850	100.270	99.470	99.210	97.610	95.700	96.390

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CANDELA TABULATION - (Cont.)

93	98.100	96.160	95.260	92.340	93.690	93.050	92.670	91.220	89.570	90.040
94	91.650	89.900	89.180	86.820	87.690	87.500	86.800	83.280	84.010	84.200
95	85.680	84.520	83.440	81.300	82.130	81.970	80.980	75.280	78.460	78.910
96	80.250	79.140	78.210	75.790	77.060	76.450	64.240	67.290	72.900	74.090
97	75.220	73.770	73.390	71.130	72.330	71.580	40.230	23.490	39.460	64.830
98	70.610	69.250	68.950	66.970	68.040	63.810	24.930	12.780	41.040	55.570
99	66.260	65.070	64.800	63.040	63.960	51.520	11.230	2.280	43.560	46.310
100	61.480	61.190	60.990	59.360	59.470	39.390	19.250	15.990	46.080	37.050
101	54.480	57.540	57.410	55.940	52.870	30.050	26.220	30.190	48.600	28.490
102	46.300	53.390	54.070	52.100	44.720	22.010	30.210	44.390	51.120	44.590
103	38.390	48.480	50.780	47.390	36.680	14.170	33.350	41.930	48.360	42.010
104	30.760	42.520	46.590	41.790	29.350	11.460	36.660	39.460	45.630	39.530
105	23.360	35.710	41.100	34.940	21.750	13.770	40.550	37.080	43.030	37.200
106	15.960	27.600	33.990	26.730	14.150	16.200	42.050	34.870	40.580	34.970
107	8.570	18.600	25.200	17.360	6.600	17.810	39.710	32.750	38.260	32.860
108	5.790	10.160	16.420	8.980	5.210	19.140	37.400	30.740	36.000	30.820
109	6.910	5.980	7.660	5.260	7.020	20.460	35.210	28.800	33.900	28.910
110	8.820	1.800	2.590	1.590	8.570	21.630	33.130	26.980	31.840	27.060
111	10.370	2.290	0.380	2.220	9.790	23.910	31.090	25.220	29.870	25.280
112	11.400	3.380	0.680	3.160	10.830	26.730	29.150	23.530	27.940	23.590
113	12.240	4.420	1.370	4.060	11.750	27.060	27.280	21.900	26.130	21.940
114	13.090	5.470	2.380	4.970	12.570	25.280	25.480	20.360	24.410	20.440
115	14.230	6.410	3.660	5.860	13.370	23.530	23.780	18.900	22.750	18.950
116	15.680	7.220	4.840	6.750	14.960	21.880	22.100	17.490	21.160	17.450
117	16.510	7.950	5.950	7.840	16.460	20.300	20.570	16.180	19.620	16.070
118	16.220	8.720	6.750	9.590	16.560	18.740	19.040	14.890	18.170	14.770
119	14.760	9.740	7.040	10.980	15.170	17.290	17.510	13.680	16.780	13.570
120	13.450	10.120	7.590	11.180	13.930	15.900	16.180	12.560	15.480	12.410
121	12.340	9.570	8.010	10.370	12.780	14.600	14.870	11.470	14.250	11.310
122	11.290	8.690	7.800	9.430	11.650	13.380	13.640	10.470	13.060	10.290
123	10.300	7.870	7.070	8.570	10.630	12.190	12.460	9.550	11.940	9.320
124	9.370	7.130	6.380	7.790	9.650	11.110	11.360	8.640	10.910	8.410
125	8.490	6.430	5.740	7.050	8.740	10.080	10.310	7.730	9.940	7.560
126	7.650	5.790	5.150	6.340	7.900	9.180	9.340	6.930	8.840	6.770
127	6.870	5.200	4.590	5.690	7.110	8.280	8.400	5.770	7.750	5.930
128	6.140	4.660	4.070	5.090	6.380	7.380	7.530	3.510	4.450	3.700
129	5.460	4.140	3.590	4.510	5.690	6.600	6.710	3.800	0.740	2.830
130	4.820	3.670	3.140	3.990	5.040	5.850	5.940	4.150	3.440	3.810
131	4.210	3.230	2.730	3.490	4.420	5.160	5.220	3.640	3.780	3.290
132	3.660	2.810	2.360	3.030	3.860	4.510	4.530	3.140	3.280	2.820
133	3.160	2.430	2.000	2.620	3.340	3.900	3.910	2.670	2.790	2.410
134	2.700	2.070	1.690	2.240	2.860	3.350	3.350	2.270	2.340	2.030
135	2.310	1.740	1.390	1.890	2.410	2.810	2.850	1.910	1.920	1.720
136	1.940	1.440	1.140	1.580	2.000	2.330	2.380	1.570	1.540	1.470
137	1.610	1.170	0.910	1.290	1.630	1.870	1.960	1.270	1.200	1.230
138	1.300	0.930	0.720	1.030	1.300	1.460	1.570	1.010	0.880	1.020
139	1.030	0.710	0.560	0.800	1.010	1.100	1.220	0.800	0.620	0.840
140	0.800	0.510	0.420	0.590	0.770	0.800	0.900	0.620	0.410	0.660
141	0.580	0.330	0.320	0.400	0.550	0.550	0.620	0.450	0.250	0.470
142	0.390	0.200	0.240	0.250	0.370	0.360	0.390	0.300	0.150	0.300
143	0.240	0.120	0.170	0.140	0.230	0.230	0.200	0.180	0.080	0.150
144	0.130	0.080	0.120	0.080	0.140	0.130	0.090	0.100	0.050	0.050
145	0.070	0.070	0.080	0.070	0.080	0.080	0.060	0.050	0.040	0.040
146	0.070	0.070	0.070	0.070	0.060	0.060	0.060	0.050	0.030	0.040
147	0.070	0.070	0.070	0.060	0.060	0.060	0.060	0.050	0.030	0.040
148	0.070	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.030	0.040

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX50.IES

CANDELA TABULATION - (Cont.)

149	0.070	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
150	0.070	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
151	0.070	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
152	0.070	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
153	0.070	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
154	0.070	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
155	0.060	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
156	0.060	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
157	0.060	0.070	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
158	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
159	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
160	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.040	0.040
161	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.040	0.040
162	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.040	0.040
163	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.040	0.040
164	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.030	0.040
165	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.030	0.040
166	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.030	0.040
167	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.030	0.040
168	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.030	0.040
169	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.030	0.030
170	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.030	0.030
171	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.030	0.030
172	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.030	0.030
173	0.050	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.030	0.030
174	0.050	0.050	0.060	0.060	0.050	0.050	0.050	0.040	0.030	0.020
175	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.020	0.020
176	0.050	0.050	0.040	0.050	0.040	0.040	0.040	0.040	0.020	0.020
177	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.030	0.030
178	0.040	0.040	0.040	0.040	0.030	0.040	0.040	0.040	0.030	0.040
179	0.040	0.040	0.040	0.040	0.030	0.030	0.040	0.040	0.040	0.040
180	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040

Vert. Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	720.239	720.239	720.239	720.239	720.239
1	721.670	721.010	721.010	720.290	720.230
2	723.030	722.170	721.980	721.170	720.970
3	724.780	723.640	723.090	721.780	721.950
4	725.890	724.300	723.890	722.550	722.000
5	726.750	725.350	724.430	723.040	722.660
6	727.560	726.050	725.010	723.740	722.890
7	728.510	726.820	726.070	724.190	723.210
8	730.270	728.390	727.630	724.820	723.690
9	731.780	730.070	728.540	725.880	724.520
10	733.400	731.390	729.540	727.030	725.310
11	735.580	733.040	731.150	728.510	726.780
12	738.320	735.370	733.250	730.370	728.280
13	741.690	738.510	736.320	732.510	730.660
14	745.950	742.490	740.160	735.860	733.760
15	751.060	747.110	744.520	739.880	737.780
16	756.810	752.560	749.870	744.450	742.400
17	763.160	758.530	755.850	750.000	747.930
18	770.330	765.700	762.240	756.260	754.030
19	778.250	773.190	769.810	763.360	760.700

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CANDELA TABULATION - (Cont.)

20	787.270	781.440	777.940	770.980	767.840
21	796.680	790.630	786.600	779.500	776.270
22	806.630	800.400	796.120	788.680	785.250
23	817.380	810.800	806.760	798.870	795.490
24	828.920	822.350	818.030	809.780	805.880
25	841.090	834.310	830.200	821.420	817.070
26	853.880	846.630	842.410	833.370	828.860
27	867.140	859.700	855.060	845.920	841.420
28	881.090	873.400	868.690	858.870	854.230
29	895.570	886.630	882.020	872.410	867.620
30	910.570	901.330	896.160	886.320	881.520
31	924.800	915.510	910.010	900.410	895.560
32	938.260	928.840	923.710	914.540	909.340
33	950.490	941.500	936.360	927.800	922.650
34	963.280	954.240	948.570	940.350	935.080
35	975.730	966.640	961.410	952.310	947.050
36	988.140	979.020	973.940	963.910	958.310
37	1000.940	990.880	986.060	975.620	970.720
38	1013.080	1002.910	998.180	987.490	982.320
39	1025.440	1015.380	1010.080	999.490	993.960
40	1037.920	1027.720	1022.540	1011.850	1006.010
41	1049.460	1039.280	1034.950	1023.630	1017.240
42	1060.550	1050.330	1047.170	1035.840	1028.910
43	1070.930	1061.400	1058.540	1047.540	1039.730
44	1081.500	1072.190	1069.830	1058.860	1050.560
45	1091.370	1082.710	1081.140	1069.650	1061.470
46	1101.490	1093.280	1093.480	1080.820	1072.300
47	1111.290	1103.390	1105.510	1091.660	1083.150
48	1121.150	1113.440	1117.570	1103.010	1093.860
49	1129.750	1122.180	1128.480	1114.440	1104.170
50	1136.870	1131.070	1138.360	1125.370	1113.700
51	1144.510	1138.220	1148.150	1135.170	1123.100
52	1150.400	1144.590	1156.890	1144.260	1131.230
53	1154.990	1149.430	1164.950	1152.100	1139.200
54	1156.450	1151.870	1170.600	1158.140	1145.520
55	1155.540	1152.270	1173.360	1162.360	1150.070
56	1151.860	1149.460	1173.590	1163.690	1151.670
57	1144.680	1143.600	1169.480	1162.090	1150.250
58	1133.810	1134.010	1161.110	1156.230	1145.470
59	1119.080	1120.480	1148.470	1146.370	1136.720
60	1100.470	1102.420	1130.930	1131.600	1122.410
61	1078.450	1081.340	1109.660	1112.310	1104.480
62	1052.530	1055.430	1083.530	1088.950	1082.140
63	1022.770	1025.470	1053.570	1061.600	1055.590
64	989.240	992.190	1019.540	1030.060	1025.200
65	952.410	955.030	980.520	993.180	990.410
66	912.610	915.200	939.110	952.640	950.750
67	870.160	872.500	893.900	909.540	908.360
68	825.020	827.470	846.930	862.830	862.950
69	779.190	782.090	798.850	814.170	815.770
70	732.390	735.790	750.320	765.680	767.020
71	686.820	690.750	702.910	717.150	718.650
72	641.760	645.760	655.320	670.030	671.000
73	598.340	603.200	610.660	624.480	624.950
74	557.290	561.920	567.730	580.780	580.860
75	518.380	522.550	527.140	539.250	539.740

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CANDELA TABULATION - (Cont.)

76	480.760	485.120	488.750	500.050	500.410
77	445.430	449.980	452.140	463.370	463.010
78	412.360	416.640	418.310	428.300	427.850
79	381.150	385.130	386.060	395.490	394.620
80	351.920	355.390	355.670	364.610	363.390
81	323.980	326.840	327.270	335.330	334.040
82	297.210	300.380	299.860	307.540	306.140
83	271.150	274.380	273.220	280.330	278.470
84	244.360	248.010	246.120	252.490	250.130
85	214.010	220.300	215.190	224.130	219.520
86	186.100	192.590	187.420	195.770	190.370
87	161.260	164.970	163.270	167.600	166.200
88	139.770	143.310	141.310	145.760	144.570
89	120.020	122.630	121.420	124.440	123.960
90	111.400	113.220	112.470	114.290	114.310
91	103.790	105.470	104.750	106.430	106.500
92	96.730	98.330	97.620	99.060	99.180
93	90.390	91.840	91.250	92.490	92.610
94	84.500	85.880	85.790	86.450	86.980
95	78.610	80.500	80.350	81.010	81.370
96	72.720	75.550	74.900	75.910	75.770
97	52.060	70.900	70.350	71.260	71.120
98	34.680	66.380	66.110	66.850	66.760
99	21.800	59.610	62.170	62.880	62.700
100	13.910	49.020	58.500	59.170	58.980
101	19.610	38.500	54.050	55.760	55.510
102	24.850	30.270	48.140	52.490	52.240
103	29.160	23.800	41.200	49.090	49.210
104	33.720	16.000	34.430	45.050	45.910
105	38.930	11.110	27.710	40.080	41.880
106	40.550	11.480	20.910	34.210	36.670
107	38.260	14.110	12.300	26.290	30.030
108	35.930	16.280	10.330	18.360	22.310
109	33.800	17.770	8.380	10.470	13.610
110	31.680	18.890	6.440	4.360	9.220
111	29.750	20.610	8.010	1.440	4.840
112	27.820	24.100	9.210	1.950	0.460
113	26.010	25.970	10.120	2.850	0.820
114	24.220	24.510	11.000	3.770	1.530
115	22.560	22.820	11.870	4.700	2.560
116	20.970	21.210	13.130	5.510	3.850
117	19.450	19.710	14.980	6.280	5.160
118	18.000	18.220	15.530	7.080	6.030
119	16.600	16.720	14.230	8.330	6.480
120	15.300	15.400	12.990	9.310	6.870
121	14.050	14.140	11.890	9.100	7.230
122	12.880	12.970	10.840	8.270	7.200
123	11.760	11.840	9.880	7.500	6.570
124	10.710	10.800	8.970	6.790	5.920
125	9.710	9.810	8.130	6.120	5.310
126	8.810	8.870	7.330	5.500	4.750
127	7.920	8.000	6.590	4.930	4.220
128	7.100	7.180	5.880	4.410	3.720
129	6.320	6.390	5.200	3.920	3.260
130	5.590	5.670	4.560	3.460	2.840
131	4.900	4.990	3.970	3.030	2.450

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CANDELA TABULATION - (Cont.)

132	4.260	4.350	3.440	2.610	2.090
133	3.670	3.750	2.960	2.240	1.740
134	3.110	3.190	2.510	1.880	1.440
135	2.600	2.680	2.120	1.560	1.160
136	2.130	2.190	1.760	1.280	0.920
137	1.710	1.750	1.440	1.020	0.720
138	1.340	1.350	1.140	0.780	0.550
139	1.020	0.990	0.870	0.560	0.410
140	0.730	0.690	0.630	0.370	0.310
141	0.480	0.460	0.410	0.220	0.240
142	0.290	0.300	0.240	0.120	0.180
143	0.170	0.180	0.120	0.070	0.130
144	0.080	0.100	0.060	0.060	0.090
145	0.050	0.060	0.050	0.060	0.060
146	0.040	0.050	0.050	0.060	0.060
147	0.040	0.050	0.050	0.050	0.060
148	0.040	0.050	0.050	0.050	0.050
149	0.040	0.050	0.050	0.050	0.050
150	0.040	0.050	0.050	0.050	0.050
151	0.040	0.040	0.050	0.050	0.050
152	0.040	0.040	0.050	0.050	0.050
153	0.040	0.040	0.050	0.050	0.050
154	0.040	0.040	0.040	0.050	0.050
155	0.040	0.040	0.040	0.050	0.050
156	0.040	0.040	0.040	0.050	0.050
157	0.040	0.040	0.040	0.040	0.050
158	0.040	0.040	0.040	0.040	0.050
159	0.040	0.040	0.040	0.040	0.050
160	0.040	0.040	0.040	0.040	0.050
161	0.040	0.040	0.040	0.050	0.050
162	0.040	0.040	0.040	0.050	0.050
163	0.040	0.040	0.040	0.050	0.050
164	0.040	0.040	0.040	0.040	0.050
165	0.040	0.040	0.040	0.040	0.050
166	0.040	0.040	0.040	0.040	0.040
167	0.040	0.040	0.040	0.040	0.040
168	0.040	0.040	0.040	0.040	0.040
169	0.040	0.040	0.040	0.040	0.040
170	0.040	0.040	0.040	0.040	0.040
171	0.040	0.040	0.040	0.040	0.040
172	0.040	0.040	0.040	0.040	0.040
173	0.040	0.040	0.040	0.030	0.040
174	0.030	0.030	0.040	0.030	0.030
175	0.030	0.030	0.030	0.030	0.030
176	0.020	0.020	0.030	0.020	0.030
177	0.030	0.030	0.030	0.030	0.030
178	0.040	0.040	0.030	0.030	0.030
179	0.040	0.040	0.040	0.030	0.030
180	0.040	0.040	0.040	0.040	0.040

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	282.47	5.50	5.50
0-30	668.88	13.10	13.10
0-40	1272.62	25.00	25.00
0-60	3128.65	61.50	61.50
0-80	4687.71	92.10	92.10
0-90	4945.57	97.10	97.10
10-90	4876.15	95.80	95.80
20-40	990.15	19.40	19.40
20-50	1822.69	35.80	35.80
40-70	2823.33	55.50	55.50
60-80	1559.07	30.60	30.60
70-80	591.76	11.60	11.60
80-90	257.85	5.10	5.10
90-110	119.36	2.30	2.30
90-120	135.56	2.70	2.70
90-130	143.34	2.80	2.80
90-150	145.29	2.90	2.90
90-180	145.33	2.90	2.90
110-180	25.98	0.50	0.50
0-180	5090.9	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	69.42
10-20	213.05
20-30	386.41
30-40	603.74
40-50	832.54
50-60	1023.49
60-70	967.30
70-80	591.76
80-90	257.85
90-100	85.45
100-110	33.90
110-120	16.20
120-130	7.78
130-140	1.85
140-150	0.11
150-160	0.02
160-170	0.01
170-180	0.00

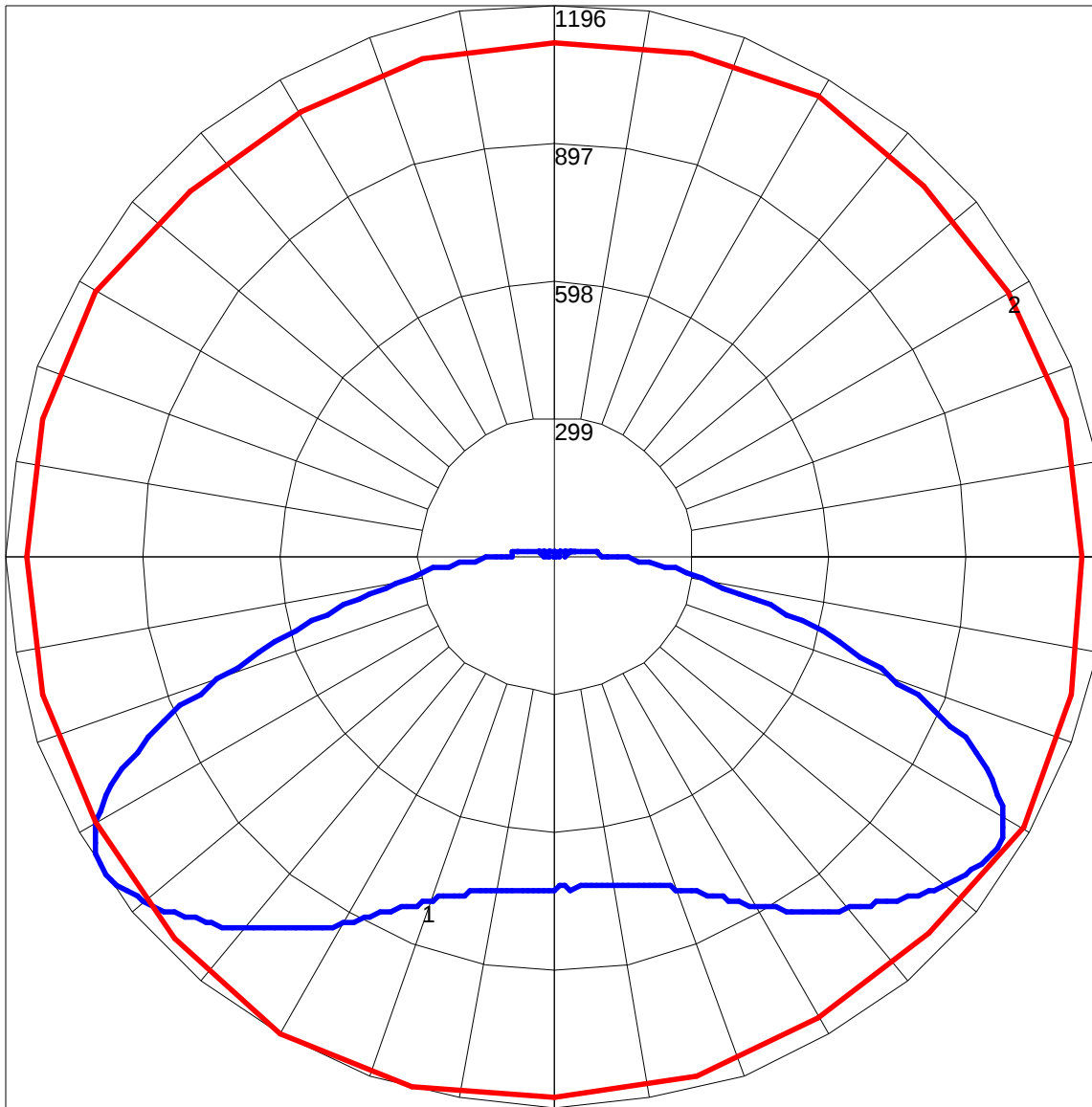
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	105	99	93	88	102	96	91	87	91	87	83	87	83	80	83	80	77	75
2	93	83	75	67	90	81	73	66	76	70	64	73	67	62	69	65	60	58
3	83	71	61	53	80	69	60	52	65	57	51	62	55	49	59	53	48	46
4	75	61	50	43	72	59	50	42	56	48	41	53	46	40	51	44	39	37
5	68	53	43	35	65	52	42	35	49	40	34	47	39	33	44	38	32	30
6	62	47	37	29	60	46	36	29	43	35	28	41	34	28	39	33	27	25
7	57	42	32	25	55	41	31	25	39	30	24	37	29	24	35	29	23	21
8	53	38	28	22	51	37	28	21	35	27	21	33	26	21	32	25	20	18
9	49	34	25	19	47	33	25	19	32	24	18	31	23	18	29	23	18	16
10	46	31	22	17	44	30	22	17	29	22	16	28	21	16	27	20	16	14

POLAR GRAPH



Maximum Candela = 1195.98 Located At Horizontal Angle = 240, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (240 - 60) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)