



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 18 July 2017

[ISSUE DATE] 2017-07-18 17:48:15

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] Mobern Lighting Co.

[LUMCAT] CPYRA12PG-LED45DMVxx40

[LUMINAIRE] LED

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

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	63.85	63.85	1.30	1.30
[OTHER]	10- 20	193.70	257.55	5.26	5.26
[OTHER]	20- 30	351.82	609.37	12.44	12.44
[OTHER]	30- 40	557.86	1167.23	23.83	23.83
[OTHER]	40- 50	784.48	1951.71	39.85	39.85
[OTHER]	50- 60	1011.57	2963.28	60.51	60.51
[OTHER]	60- 70	992.33	3955.62	80.77	80.77
[OTHER]	70- 80	574.16	4529.77	92.49	92.49
[OTHER]	80- 90	235.76	4765.54	97.31	97.31
[OTHER]	90-100	77.49	4843.02	98.89	98.89
[OTHER]	100-110	30.31	4873.34	99.51	99.51
[OTHER]	110-120	15.05	4888.39	99.82	99.82
[OTHER]	120-130	7.09	4895.48	99.96	99.96
[OTHER]	130-140	1.78	4897.26	100.00	100.00
[OTHER]	140-150	0.13	4897.39	100.00	100.00
[OTHER]	150-160	0.02	4897.41	100.00	100.00
[OTHER]	160-170	0.01	4897.42	100.00	100.00
[OTHER]	170-180	0.00	4897.42	100.00	100.00
[OTHER]					

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**CHARACTERISTICS**

Lumens Per Lamp	4897.4 (1 lamp)
Total Lamp Lumens	4897.4
Luminaire Lumens	4897
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	44.3448
Ballast Factor	0.99
CIE Type	Direct
Spacing Criterion (0-180)	2.16
Spacing Criterion (90-270)	2.08
Spacing Criterion (Diagonal)	2.30
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	20336	20035	19569
55	27792	27490	26765
65	33594	33069	33806
75	28754	28505	29771
85	32520	33959	35405

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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	660.692	660.692	660.692	660.692	660.692	660.692	660.692	660.692	660.692	660.692
1	662.220	661.390	661.750	661.270	661.010	660.930	660.960	661.190	660.810	660.960
2	664.930	663.750	664.000	663.230	663.490	662.660	662.410	662.830	662.210	662.300
3	668.360	667.320	667.340	666.310	666.170	665.570	665.050	665.590	664.430	664.910
4	670.620	669.430	668.870	668.340	668.090	668.080	668.060	668.140	667.000	666.820
5	670.520	669.510	668.850	668.710	667.980	668.390	669.240	669.180	668.420	668.500
6	669.700	668.870	668.190	667.910	667.570	667.890	669.380	669.550	669.100	669.030
7	668.960	668.400	667.740	666.740	666.930	667.520	668.790	669.710	669.040	669.110
8	669.450	668.760	668.540	667.420	668.050	668.060	668.950	670.380	669.070	669.420
9	669.740	669.590	668.940	668.440	668.820	668.720	669.410	670.740	669.940	670.420
10	669.530	670.250	668.600	668.620	668.980	668.850	669.780	670.550	670.000	670.930
11	669.840	670.910	668.560	668.350	668.640	668.960	669.910	670.140	669.890	671.190
12	670.600	671.570	669.170	668.770	669.310	669.400	669.980	670.410	670.560	671.070
13	671.870	672.230	670.840	670.020	670.700	670.770	670.770	671.510	671.260	672.300
14	674.520	672.900	673.270	672.040	673.130	672.830	672.610	673.710	672.970	674.140
15	677.400	676.230	676.950	675.620	676.630	675.670	675.080	676.700	675.750	677.120
16	681.600	680.650	681.430	679.790	681.090	679.410	678.520	680.400	679.720	681.170
17	686.140	685.600	686.710	685.080	685.960	684.130	683.050	684.970	683.920	685.630
18	691.910	690.940	692.830	691.030	692.050	689.510	687.630	689.900	688.540	690.950
19	698.880	697.150	699.630	698.290	698.700	695.810	693.690	695.100	694.170	697.040
20	706.150	704.340	707.110	706.040	706.350	703.230	700.040	701.570	700.890	703.830
21	714.340	712.140	715.290	714.250	714.310	711.140	707.040	708.500	708.570	711.320
22	722.980	720.510	724.330	723.190	723.530	719.720	715.050	716.520	716.370	719.090
23	732.670	730.180	734.160	732.560	733.010	728.760	723.530	725.120	725.240	728.100
24	742.630	740.820	744.530	743.060	743.300	739.030	733.370	734.390	734.410	737.710
25	753.940	751.770	755.830	754.360	754.770	749.640	743.450	744.520	744.250	748.760
26	766.150	763.960	768.390	766.360	766.690	761.150	754.190	755.270	754.610	760.260
27	778.720	776.450	781.110	778.620	779.120	773.050	765.670	766.740	766.180	772.060
28	792.100	790.180	794.740	791.370	791.960	785.550	777.160	778.630	778.390	784.170
29	806.030	804.060	808.570	805.040	805.230	798.580	789.520	790.930	790.960	796.950
30	821.050	818.860	823.620	819.360	819.150	812.110	802.730	804.080	804.390	810.410
31	836.290	833.390	837.840	834.320	833.020	826.120	815.940	817.390	817.970	824.080
32	850.670	846.770	850.780	847.380	845.470	839.930	829.810	830.780	831.630	837.930
33	863.730	859.490	861.960	859.110	857.190	852.090	843.170	843.260	844.290	851.260
34	875.810	871.950	873.570	870.500	869.020	863.500	854.430	854.560	854.800	863.050
35	888.790	885.180	886.030	882.530	881.600	874.540	865.300	865.980	864.900	873.930
36	902.240	897.900	898.620	895.150	894.110	886.330	877.140	877.400	875.670	885.340
37	915.970	911.110	911.510	906.800	906.650	897.970	889.220	888.560	887.720	896.320
38	929.600	923.930	924.480	919.010	918.940	909.750	901.470	899.900	899.640	907.100
39	942.600	937.190	937.400	931.310	930.620	921.840	913.080	911.230	911.140	918.590
40	955.470	950.210	950.510	943.950	942.730	934.090	924.650	923.240	923.440	930.300
41	968.010	962.560	962.680	955.620	954.790	946.030	935.550	935.170	935.920	942.220
42	980.200	974.570	974.320	966.980	966.560	957.130	946.810	946.840	948.130	952.980
43	992.140	986.920	985.450	978.640	978.780	968.030	957.740	958.070	959.610	963.960
44	1004.380	1000.050	996.670	990.000	991.300	979.090	968.070	968.960	970.280	975.130
45	1016.890	1013.150	1008.120	1001.830	1003.800	990.160	978.520	980.670	981.030	986.240
46	1029.790	1026.090	1020.920	1013.550	1016.830	1002.030	989.540	992.190	991.420	998.520
47	1042.380	1038.650	1034.120	1026.040	1030.520	1014.090	1000.600	1004.230	1003.350	1010.940
48	1054.730	1050.950	1046.050	1039.010	1043.980	1026.500	1011.650	1016.170	1015.500	1023.320
49	1065.900	1062.530	1057.970	1051.130	1056.760	1039.010	1023.040	1028.120	1027.540	1035.910
50	1076.840	1074.380	1069.650	1063.110	1070.510	1051.380	1033.110	1039.390	1038.590	1048.250
51	1088.340	1086.970	1081.570	1074.850	1085.070	1063.320	1043.280	1050.610	1050.680	1061.310
52	1100.140	1099.820	1093.410	1087.320	1099.360	1077.220	1054.060	1061.710	1062.700	1074.020
53	1110.950	1111.810	1103.980	1099.060	1113.250	1090.480	1065.160	1073.500	1074.270	1086.570

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54	1120.070	1123.160	1112.670	1108.340	1126.500	1103.250	1076.060	1085.210	1084.290	1097.780
55	1127.250	1131.980	1119.690	1115.040	1137.380	1113.640	1085.630	1094.910	1092.450	1107.450
56	1132.800	1139.380	1124.150	1120.190	1146.130	1122.190	1093.470	1102.960	1098.620	1115.160
57	1135.010	1142.560	1125.160	1122.750	1150.910	1129.270	1099.600	1108.010	1102.880	1119.810
58	1133.040	1142.330	1121.940	1122.400	1152.560	1132.140	1103.130	1109.690	1102.820	1120.920
59	1127.910	1138.200	1114.770	1116.500	1149.470	1131.550	1102.610	1107.020	1099.660	1117.830
60	1117.870	1128.480	1103.440	1106.830	1140.520	1126.740	1098.100	1100.580	1091.840	1110.750
61	1104.290	1115.650	1088.700	1092.350	1127.880	1116.180	1088.610	1089.730	1079.980	1098.670
62	1085.780	1097.630	1069.870	1073.740	1110.370	1101.610	1075.120	1074.240	1063.940	1080.840
63	1063.140	1074.430	1045.560	1050.330	1087.190	1081.020	1057.540	1053.280	1043.970	1057.920
64	1036.690	1045.920	1015.850	1021.450	1057.780	1055.560	1036.050	1026.830	1018.220	1030.030
65	1003.970	1011.020	982.350	988.300	1021.450	1024.430	1010.320	995.260	988.100	997.620
66	966.280	972.890	944.300	950.380	980.670	987.250	977.750	958.870	952.540	960.110
67	922.910	929.220	901.600	908.220	935.320	945.040	939.370	917.140	912.360	917.310
68	876.450	881.710	855.100	861.020	885.060	897.490	896.600	870.520	867.130	869.780
69	826.080	830.300	803.930	811.280	831.990	845.760	847.650	819.400	816.700	817.560
70	773.240	777.970	751.930	760.410	777.220	790.700	797.000	766.320	764.900	765.340
71	720.740	723.610	700.940	709.300	722.830	736.460	744.100	711.940	711.730	711.150
72	667.700	670.310	650.320	660.070	669.750	683.000	690.970	659.230	659.770	660.680
73	617.790	619.210	601.860	611.080	618.880	631.270	639.590	608.820	611.210	610.990
74	569.960	570.460	555.960	565.730	570.870	583.870	590.590	561.340	564.400	565.930
75	526.270	525.810	512.960	521.720	526.150	537.860	544.880	517.490	521.550	522.340
76	484.450	484.010	472.500	481.480	483.810	494.410	501.910	476.330	480.280	481.960
77	445.980	445.260	434.890	443.210	445.270	454.720	461.720	438.360	442.760	444.300
78	409.750	408.850	400.020	407.790	408.840	417.560	424.390	403.040	406.970	408.430
79	375.730	375.200	367.850	375.130	375.550	383.380	389.480	369.890	374.180	375.960
80	344.150	344.160	337.680	344.170	344.120	351.100	357.210	339.140	343.920	345.080
81	314.810	314.890	309.270	316.230	315.260	321.880	326.670	310.380	315.490	316.340
82	286.680	287.290	282.160	288.430	288.080	293.890	298.390	283.860	289.310	289.450
83	258.990	261.110	256.560	262.750	261.680	267.200	271.490	258.540	263.930	264.430
84	230.230	232.760	230.780	237.160	235.500	240.450	244.990	233.720	240.270	240.140
85	200.430	204.400	201.900	209.300	206.680	213.420	218.210	207.200	214.820	215.310
86	173.450	176.170	175.290	181.530	179.850	186.400	191.440	180.040	189.380	188.380
87	151.140	153.150	152.880	158.160	156.390	159.530	164.710	156.650	163.970	164.100
88	129.960	132.410	132.460	138.110	136.090	139.300	143.970	137.360	143.830	144.290
89	110.960	111.900	112.900	117.280	115.320	118.740	124.310	118.230	125.510	125.570
90	102.580	102.780	104.140	106.790	105.320	106.340	108.290	105.010	109.450	110.330
91	95.110	95.180	96.660	99.020	97.570	98.610	100.250	97.240	101.420	102.310
92	87.870	88.310	89.750	91.990	90.740	91.590	93.090	90.190	94.020	95.000
93	82.180	82.120	84.070	85.780	84.330	85.260	86.690	84.430	87.470	88.080
94	76.520	76.550	78.430	80.040	77.940	79.470	80.840	78.710	81.590	82.750
95	71.550	71.510	72.780	74.790	71.540	74.190	75.500	72.980	75.930	77.420
96	66.870	66.930	68.100	70.010	49.480	49.390	70.420	58.160	60.620	72.090
97	62.670	62.760	63.890	65.380	33.050	24.580	62.760	12.010	39.500	67.360
98	58.790	58.900	59.990	58.300	22.360	0.240	55.110	6.790	25.450	59.520
99	55.160	55.360	56.290	46.940	17.740	11.040	47.460	2.420	12.520	47.730
100	51.880	52.030	52.020	36.080	21.490	21.890	39.810	15.200	16.810	37.180
101	48.760	48.990	45.770	28.450	24.360	42.650	32.800	27.980	22.170	28.270
102	45.930	45.730	38.290	23.140	26.470	40.920	48.710	40.770	26.550	20.010
103	43.210	41.800	31.500	18.520	28.540	38.540	46.060	38.780	30.720	12.950
104	40.110	37.310	26.070	14.370	31.060	36.290	43.470	36.580	37.010	10.180
105	36.120	32.160	20.730	13.060	34.140	34.200	41.080	34.510	40.670	11.960
106	30.940	26.740	14.540	14.310	36.990	32.160	38.810	32.510	39.120	14.550
107	24.460	20.130	9.020	15.540	35.660	30.220	36.600	30.620	36.900	16.850
108	17.370	13.520	7.740	16.400	33.570	28.390	34.520	28.780	34.720	18.550
109	9.880	6.940	6.610	17.210	31.620	26.670	32.520	27.000	32.660	19.700

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110	5.550	3.140	7.780	18.060	29.720	24.980	30.600	25.290	30.700	21.970
111	1.270	1.870	8.660	19.070	27.890	23.370	28.740	23.640	28.800	25.710
112	0.460	2.600	9.360	21.390	26.130	21.840	26.920	22.060	26.970	26.940
113	0.970	3.360	9.980	23.380	24.430	20.390	25.180	20.510	25.230	25.280
114	1.720	4.050	10.550	22.730	22.810	18.950	23.520	19.060	23.520	23.500
115	2.730	4.730	11.070	21.160	21.250	17.500	21.930	17.660	21.920	21.790
116	3.910	5.410	11.870	19.730	19.750	16.200	20.460	16.320	20.430	20.140
117	4.930	6.040	13.290	18.290	18.310	14.940	18.990	15.060	18.940	18.620
118	5.750	6.690	13.930	16.850	16.940	13.760	17.520	13.830	17.460	17.170
119	6.470	7.510	13.170	15.520	15.630	12.640	16.210	12.690	16.090	15.790
120	6.970	8.050	12.080	14.260	14.420	11.590	14.970	11.620	14.820	14.500
121	6.940	7.960	11.060	13.090	13.240	10.580	13.770	10.600	13.620	13.310
122	6.610	7.480	10.100	11.990	12.150	9.640	12.650	9.650	12.500	12.180
123	6.030	6.830	9.200	10.930	11.110	8.760	11.590	8.810	11.430	11.110
124	5.450	6.210	8.340	9.960	10.130	7.930	10.580	7.970	10.430	10.140
125	4.900	5.630	7.560	9.060	9.270	7.160	9.650	7.190	9.480	9.290
126	4.400	5.090	6.830	8.220	8.410	6.420	8.770	6.480	8.600	8.430
127	3.920	4.570	6.150	7.400	7.550	5.030	7.770	5.080	7.770	7.580
128	3.480	4.100	5.540	6.660	6.790	3.470	5.230	3.840	7.000	6.830
129	3.070	3.650	4.940	5.950	6.070	4.040	0.400	4.150	6.290	6.130
130	2.690	3.230	4.400	5.310	5.390	4.060	2.220	3.830	5.610	5.470
131	2.340	2.850	3.880	4.710	4.750	3.600	3.920	3.300	4.980	4.850
132	2.020	2.480	3.410	4.150	4.150	3.160	3.430	2.820	4.390	4.270
133	1.710	2.150	2.970	3.620	3.610	2.720	2.970	2.410	3.840	3.740
134	1.430	1.840	2.550	3.130	3.100	2.320	2.550	2.040	3.330	3.240
135	1.170	1.570	2.180	2.670	2.650	1.970	2.160	1.720	2.840	2.770
136	0.950	1.330	1.830	2.240	2.220	1.640	1.790	1.440	2.400	2.340
137	0.750	1.100	1.510	1.840	1.850	1.340	1.460	1.220	1.980	1.940
138	0.580	0.900	1.230	1.480	1.500	1.070	1.140	1.000	1.610	1.570
139	0.430	0.720	0.980	1.140	1.190	0.840	0.870	0.830	1.280	1.230
140	0.300	0.550	0.760	0.850	0.910	0.660	0.620	0.670	1.000	0.920
141	0.210	0.400	0.570	0.610	0.660	0.510	0.430	0.530	0.740	0.660
142	0.140	0.270	0.390	0.430	0.440	0.370	0.280	0.400	0.520	0.460
143	0.110	0.160	0.260	0.290	0.260	0.240	0.170	0.270	0.340	0.310
144	0.080	0.090	0.160	0.180	0.130	0.140	0.100	0.160	0.200	0.190
145	0.060	0.050	0.080	0.100	0.060	0.070	0.070	0.080	0.110	0.120
146	0.060	0.050	0.050	0.060	0.040	0.040	0.050	0.050	0.070	0.070
147	0.050	0.050	0.050	0.040	0.040	0.040	0.050	0.050	0.060	0.060
148	0.050	0.050	0.050	0.040	0.040	0.030	0.050	0.050	0.060	0.060
149	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.060
150	0.040	0.040	0.050	0.040	0.040	0.030	0.040	0.050	0.050	0.060
151	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.060
152	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.060
153	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.060
154	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.060
155	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.040	0.050	0.060
156	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.040	0.050	0.060
157	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.040	0.050	0.060
158	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.040	0.050	0.060
159	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.060
160	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.060	0.060
161	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.060	0.060
162	0.040	0.040	0.040	0.040	0.040	0.030	0.050	0.050	0.060	0.060
163	0.040	0.040	0.040	0.040	0.040	0.030	0.050	0.050	0.060	0.060
164	0.040	0.040	0.040	0.040	0.040	0.030	0.050	0.050	0.060	0.060
165	0.040	0.040	0.040	0.040	0.040	0.030	0.050	0.050	0.060	0.060

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX40.IES**

**CANDELA TABULATION - (Cont.)**

166	0.040	0.030	0.040	0.030	0.040	0.030	0.050	0.050	0.060	0.060
167	0.030	0.030	0.040	0.030	0.030	0.030	0.050	0.050	0.060	0.060
168	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.050	0.060	0.060
169	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.050	0.060	0.060
170	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.050	0.050	0.060
171	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.050	0.050	0.060
172	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.050	0.050	0.050
173	0.030	0.030	0.030	0.020	0.030	0.020	0.050	0.050	0.050	0.050
174	0.030	0.030	0.030	0.020	0.020	0.020	0.050	0.050	0.050	0.050
175	0.030	0.030	0.020	0.020	0.020	0.020	0.040	0.050	0.050	0.050
176	0.020	0.020	0.020	0.020	0.020	0.020	0.040	0.040	0.040	0.050
177	0.020	0.020	0.020	0.020	0.020	0.020	0.040	0.040	0.040	0.040
178	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.040	0.040
179	0.030	0.030	0.030	0.030	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. 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	660.692	660.692	660.692	660.692	660.692	660.692	660.692	660.692	660.692	660.692
1	660.830	660.900	661.220	660.890	661.000	661.340	661.000	661.490	662.370	661.870
2	662.100	662.510	662.650	662.410	662.400	663.160	662.760	663.630	664.930	664.120
3	664.390	664.880	664.770	664.970	664.770	665.780	665.840	666.680	667.880	667.090
4	666.360	666.770	666.710	666.480	666.880	667.940	668.010	668.870	669.700	669.470
5	667.710	668.360	668.360	668.660	669.000	669.630	669.620	670.240	670.490	669.780
6	669.150	669.390	669.780	670.030	670.260	670.160	670.510	670.580	670.450	669.590
7	669.630	669.810	669.890	670.320	669.890	669.880	670.260	670.520	670.290	669.820
8	670.160	670.480	670.780	671.030	670.790	670.730	670.810	670.800	670.800	670.460
9	671.100	671.310	671.430	671.960	672.200	671.620	671.610	671.030	671.060	670.940
10	671.570	671.540	671.900	671.740	671.700	671.830	671.730	671.120	671.190	670.990
11	671.610	672.200	672.230	672.020	671.390	671.670	671.550	671.250	671.320	670.630
12	672.220	672.980	672.730	672.470	671.900	672.270	672.070	672.070	672.000	671.290
13	673.270	674.230	673.890	673.720	673.280	673.510	673.460	673.530	673.650	672.670
14	675.490	676.320	675.870	676.030	675.450	676.050	675.830	675.960	676.160	675.190
15	678.670	678.870	678.780	679.300	678.560	679.430	679.060	679.120	680.070	679.030
16	682.710	683.060	682.770	683.870	682.820	683.960	683.390	683.130	684.490	683.490
17	686.760	687.630	687.000	688.970	687.710	688.550	687.860	688.140	689.740	688.390
18	691.800	692.350	692.250	693.580	692.690	694.110	693.200	694.070	695.890	694.000
19	697.820	698.720	698.170	699.080	698.490	700.880	699.750	700.950	702.790	700.380
20	704.500	705.930	704.950	705.790	705.580	708.580	707.160	708.800	710.460	707.650
21	712.110	714.030	712.630	713.480	713.630	716.310	715.220	717.310	719.480	716.040
22	720.210	723.050	721.060	721.670	722.310	724.830	724.300	726.840	728.800	725.470
23	729.370	732.460	730.290	731.410	731.310	734.220	734.400	737.010	739.190	735.330
24	739.510	742.820	740.470	741.210	741.510	744.610	745.150	747.980	750.670	746.460
25	750.500	754.000	751.340	752.460	752.490	755.960	756.630	760.090	762.620	757.840
26	761.860	765.860	762.760	764.300	763.620	768.370	768.710	772.560	775.340	770.410
27	773.730	778.150	775.440	776.630	776.460	780.640	781.430	785.580	788.800	783.460
28	786.920	791.240	788.480	790.110	789.700	794.180	795.040	799.650	803.620	797.780
29	800.470	805.700	802.670	804.420	804.010	807.780	808.950	814.830	818.520	812.580
30	814.470	820.210	817.080	818.710	818.660	822.340	823.140	830.390	833.820	827.490
31	828.210	835.990	832.360	833.540	833.650	837.270	837.670	845.740	849.480	843.170
32	841.890	851.070	847.890	848.870	848.380	851.720	852.250	861.250	865.000	858.440
33	855.610	865.210	862.710	863.450	861.640	864.890	866.140	875.490	879.110	872.760
34	868.040	878.070	875.880	876.730	873.340	875.800	878.370	888.830	891.740	886.080
35	880.690	890.210	888.040	890.520	884.920	887.330	890.700	900.810	904.830	899.850
36	893.090	901.670	901.040	903.600	896.570	899.000	902.940	913.500	918.670	913.840

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX40.IES**

**CANDELA TABULATION - (Cont.)**

37	905.830	914.500	914.310	916.680	909.210	910.610	915.540	925.860	932.810	926.910
38	918.150	927.380	928.190	929.610	921.800	922.120	928.820	939.210	946.580	940.110
39	930.410	940.610	941.690	941.730	934.660	934.140	942.190	952.500	960.370	953.830
40	943.470	953.590	955.370	955.320	947.050	947.150	955.240	967.320	974.940	967.830
41	956.110	966.400	968.610	968.200	959.500	959.390	968.500	981.570	988.240	980.860
42	968.280	979.720	981.440	980.280	971.040	970.920	980.700	995.470	1001.310	993.410
43	979.650	992.810	993.200	992.170	982.460	981.530	992.880	1008.120	1013.580	1006.540
44	991.860	1005.530	1005.120	1004.850	993.300	993.110	1005.760	1020.770	1026.770	1019.750
45	1004.830	1018.220	1017.740	1017.860	1004.620	1005.230	1019.580	1033.710	1039.820	1033.490
46	1018.100	1029.790	1030.510	1031.520	1016.390	1018.060	1034.050	1047.470	1053.390	1047.500
47	1032.450	1043.920	1043.760	1046.220	1028.930	1031.790	1049.760	1062.250	1067.570	1061.490
48	1047.240	1058.380	1058.070	1060.320	1042.320	1045.730	1065.930	1077.240	1081.030	1075.130
49	1062.820	1072.900	1071.610	1073.540	1054.910	1059.560	1081.060	1091.710	1094.100	1088.280
50	1077.200	1087.650	1084.490	1085.570	1067.610	1072.260	1096.440	1106.400	1106.850	1101.260
51	1091.960	1102.880	1097.180	1098.980	1081.040	1085.750	1112.420	1122.120	1120.080	1114.760
52	1107.860	1118.950	1110.820	1112.780	1094.560	1100.310	1129.850	1137.600	1133.480	1128.900
53	1124.220	1133.100	1124.930	1126.920	1107.610	1113.850	1147.230	1153.030	1145.870	1142.640
54	1140.960	1147.120	1138.360	1140.920	1118.850	1125.260	1163.470	1167.370	1157.470	1155.940
55	1155.030	1159.920	1150.130	1152.530	1129.350	1134.890	1176.940	1179.080	1166.620	1166.460
56	1166.380	1170.250	1159.720	1161.600	1137.070	1141.900	1187.780	1188.750	1173.660	1175.850
57	1174.550	1178.060	1166.180	1167.350	1142.200	1146.680	1195.350	1194.460	1177.460	1181.430
58	1179.530	1181.660	1169.170	1169.800	1143.040	1147.020	1198.460	1196.800	1177.730	1182.400
59	1179.420	1181.320	1168.070	1167.400	1140.060	1143.750	1197.770	1195.020	1173.950	1179.790
60	1174.840	1174.570	1162.290	1161.240	1132.160	1135.940	1191.910	1188.520	1165.490	1171.580
61	1163.680	1163.470	1151.210	1149.830	1119.980	1122.770	1180.810	1176.060	1152.210	1158.910
62	1146.910	1147.740	1134.570	1133.300	1103.530	1104.790	1164.240	1159.650	1133.150	1141.050
63	1123.950	1126.630	1113.370	1109.700	1081.300	1080.730	1140.820	1136.120	1108.930	1117.060
64	1095.410	1098.930	1087.320	1079.730	1053.030	1051.590	1111.080	1106.590	1080.570	1086.840
65	1060.670	1063.390	1055.180	1044.050	1020.220	1017.390	1075.620	1071.290	1046.500	1051.220
66	1019.710	1021.080	1017.360	1003.050	981.340	978.900	1033.400	1029.780	1005.240	1009.410
67	972.920	974.050	972.480	956.500	938.630	934.260	987.200	983.330	959.160	962.640
68	922.340	922.270	923.810	904.870	890.830	885.340	935.690	931.050	908.470	911.850
69	867.080	867.010	870.920	849.820	839.440	832.710	879.730	874.370	854.730	857.140
70	809.470	809.620	814.900	793.600	785.050	778.250	821.120	816.520	796.500	801.170
71	751.980	753.100	758.950	736.590	731.160	724.430	762.670	757.430	739.710	744.690
72	695.300	697.000	703.280	681.680	677.180	671.630	705.270	700.630	683.380	688.410
73	642.520	643.810	650.520	629.070	626.660	621.410	650.240	646.550	631.010	635.510
74	592.330	593.470	600.520	580.260	578.080	573.590	598.750	595.340	581.120	586.040
75	546.400	547.280	553.530	534.420	533.480	530.120	551.500	548.640	535.380	539.600
76	502.490	503.930	509.620	492.360	491.880	488.930	507.230	504.020	492.920	496.590
77	462.440	463.680	469.130	453.350	452.940	450.370	466.070	463.370	452.670	456.540
78	424.800	425.620	431.240	416.050	416.790	414.400	427.910	425.310	415.970	419.300
79	390.090	390.740	395.390	382.590	383.000	381.110	392.660	389.790	381.310	384.880
80	358.090	358.250	362.850	350.330	352.240	349.700	359.970	357.140	348.730	353.120
81	327.910	327.850	332.150	321.250	323.050	320.370	329.860	326.680	318.790	323.190
82	300.190	300.290	303.540	293.940	296.140	292.810	301.250	297.970	290.590	295.390
83	273.650	273.070	276.620	268.240	270.060	267.390	274.880	270.870	262.820	269.130
84	248.800	247.490	250.630	242.630	245.630	242.670	249.190	243.970	235.090	242.420
85	222.470	220.490	224.120	217.040	219.510	216.930	221.550	215.680	206.040	215.010
86	196.130	192.830	197.600	189.440	193.390	188.500	193.920	186.520	178.340	187.610
87	169.880	168.100	171.200	165.200	167.360	163.830	166.410	161.860	155.300	160.260
88	148.760	147.590	149.870	144.910	147.000	143.740	145.540	141.520	135.180	139.450
89	130.240	128.910	131.640	126.610	128.870	125.070	125.370	120.550	114.560	118.400
90	112.340	111.970	113.780	110.340	112.000	110.000	109.300	107.240	104.760	105.990
91	103.630	103.690	104.740	101.920	103.360	101.950	101.260	99.470	97.240	98.340
92	96.170	96.260	97.220	94.530	95.820	94.620	93.910	92.440	90.430	91.200

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX40.IES**

**CANDELA TABULATION - (Cont.)**

93	89.510	89.700	90.470	87.970	89.060	87.930	87.300	86.560	84.260	84.790
94	83.500	84.180	84.480	82.250	82.980	82.260	81.400	80.700	77.520	79.080
95	78.000	78.670	78.890	76.530	77.490	76.610	74.870	74.830	70.780	73.940
96	73.050	73.160	73.990	71.720	72.590	71.680	53.360	55.220	64.040	68.920
97	68.460	68.620	69.400	67.390	67.960	66.090	33.850	11.740	20.760	52.970
98	64.310	64.540	65.280	63.390	63.860	56.180	19.030	17.630	25.310	37.010
99	60.400	60.700	61.480	59.750	59.780	43.630	10.330	23.840	30.860	21.050
100	55.540	57.250	57.990	56.350	54.290	33.840	20.750	30.050	36.420	5.570
101	48.940	53.800	54.770	52.890	46.760	25.710	25.290	36.260	41.970	33.590
102	41.530	49.900	51.700	48.630	38.750	17.060	28.750	42.470	47.530	41.860
103	34.010	45.020	48.360	43.550	31.600	11.630	32.160	40.010	44.860	39.410
104	25.880	38.750	43.670	37.180	23.740	11.100	36.160	37.650	42.340	37.070
105	17.750	30.540	36.980	29.000	15.880	13.880	39.990	35.440	39.930	34.880
106	9.730	21.240	27.660	19.710	8.040	15.670	38.940	33.310	37.670	32.790
107	5.270	12.120	18.340	10.820	5.140	17.060	36.760	31.330	35.480	30.810
108	4.850	8.530	9.130	7.840	6.140	18.350	34.580	29.390	33.410	28.900
109	6.830	5.080	3.430	4.890	7.760	19.680	32.560	27.550	31.370	27.080
110	8.850	1.630	0.610	1.950	9.110	21.610	30.620	25.810	29.470	25.300
111	10.410	2.630	0.540	2.950	10.250	25.170	28.720	24.100	27.630	23.610
112	11.520	3.850	1.180	3.960	11.220	26.480	26.930	22.480	25.780	22.000
113	12.490	5.160	2.230	5.040	12.060	25.010	25.180	20.900	24.060	20.510
114	13.650	6.380	3.730	6.040	12.900	23.290	23.500	19.410	22.420	19.020
115	15.030	7.390	5.250	6.980	14.330	21.680	21.870	17.980	20.860	17.540
116	16.040	8.250	6.550	8.130	16.090	20.110	20.370	16.590	19.350	16.220
117	16.040	8.970	7.630	9.920	16.580	18.630	18.870	15.310	17.910	14.930
118	14.780	9.900	8.060	11.340	15.420	17.190	17.370	14.050	16.560	13.730
119	13.590	10.280	8.510	11.570	14.190	15.830	16.020	12.890	15.260	12.600
120	12.520	9.820	8.780	10.840	13.020	14.570	14.730	11.800	14.050	11.520
121	11.510	8.970	8.550	9.870	11.940	13.360	13.530	10.750	12.910	10.530
122	10.550	8.180	7.770	8.990	10.930	12.220	12.380	9.800	11.810	9.600
123	9.630	7.430	7.020	8.170	9.970	11.140	11.310	8.910	10.790	8.720
124	8.780	6.750	6.310	7.420	9.070	10.170	10.310	8.030	9.830	7.900
125	7.960	6.100	5.660	6.720	8.230	9.310	9.360	7.210	8.960	7.130
126	7.210	5.510	5.060	6.060	7.450	8.450	8.470	6.450	8.100	6.410
127	6.500	4.940	4.500	5.460	6.730	7.590	7.630	5.190	6.710	5.570
128	5.830	4.420	3.980	4.880	6.050	6.830	6.850	3.230	2.980	3.330
129	5.210	3.930	3.500	4.350	5.440	6.110	6.130	3.750	0.890	2.890
130	4.610	3.480	3.050	3.860	4.840	5.450	5.430	3.840	3.660	3.780
131	4.060	3.050	2.640	3.390	4.290	4.830	4.790	3.340	3.550	3.300
132	3.540	2.650	2.270	2.950	3.770	4.250	4.190	2.820	3.090	2.850
133	3.060	2.290	1.920	2.540	3.290	3.710	3.630	2.410	2.650	2.420
134	2.640	1.960	1.600	2.180	2.850	3.200	3.120	2.030	2.240	2.030
135	2.240	1.650	1.320	1.850	2.450	2.730	2.650	1.700	1.870	1.700
136	1.880	1.370	1.070	1.550	2.060	2.290	2.240	1.400	1.520	1.410
137	1.560	1.130	0.850	1.270	1.710	1.880	1.860	1.130	1.210	1.180
138	1.270	0.900	0.660	1.020	1.380	1.510	1.520	0.910	0.920	0.950
139	1.020	0.700	0.500	0.790	1.090	1.170	1.210	0.750	0.660	0.760
140	0.790	0.510	0.370	0.580	0.840	0.880	0.930	0.600	0.430	0.590
141	0.590	0.340	0.280	0.400	0.610	0.630	0.680	0.480	0.270	0.440
142	0.410	0.210	0.200	0.250	0.420	0.420	0.470	0.340	0.160	0.290
143	0.260	0.120	0.150	0.140	0.260	0.270	0.290	0.220	0.090	0.170
144	0.150	0.080	0.100	0.080	0.150	0.160	0.160	0.110	0.050	0.060
145	0.080	0.070	0.070	0.060	0.080	0.090	0.080	0.050	0.030	0.030
146	0.060	0.070	0.070	0.060	0.060	0.060	0.050	0.050	0.030	0.030
147	0.060	0.070	0.060	0.060	0.060	0.060	0.050	0.050	0.030	0.030
148	0.060	0.070	0.060	0.060	0.060	0.060	0.050	0.050	0.030	0.030



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX40.IES**

**CANDELA TABULATION - (Cont.)**

149	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.030	0.030
150	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.030	0.030
151	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.030	0.030
152	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.030	0.030
153	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.030	0.030
154	0.060	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.030	0.030
155	0.060	0.060	0.060	0.060	0.060	0.050	0.060	0.050	0.030	0.030
156	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.030	0.030
157	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.040	0.030
158	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.040	0.030
159	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.030	0.030
160	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.030	0.030
161	0.060	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.030	0.030
162	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.030	0.030
163	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.030	0.030
164	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.030	0.030
165	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.030	0.030
166	0.060	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.030	0.030
167	0.060	0.060	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
168	0.050	0.060	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
169	0.050	0.060	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
170	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
171	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
172	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.030	0.030
173	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.020	0.020
174	0.050	0.050	0.050	0.050	0.040	0.040	0.040	0.040	0.020	0.020
175	0.040	0.050	0.040	0.040	0.040	0.040	0.040	0.040	0.020	0.020
176	0.040	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.020	0.020
177	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.020	0.020
178	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.030	0.030
179	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.030	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	660.692	660.692	660.692	660.692	660.692
1	662.040	661.790	662.050	661.730	662.220
2	664.510	663.910	664.490	664.280	664.930
3	667.470	667.080	667.860	667.690	668.360
4	669.280	669.060	669.890	670.320	670.620
5	669.270	669.730	669.690	670.240	670.520
6	668.920	668.970	668.910	669.580	669.700
7	669.200	668.560	668.820	668.930	668.960
8	670.180	669.180	669.670	669.570	669.450
9	670.610	669.880	670.030	670.100	669.740
10	670.360	669.840	669.850	669.940	669.530
11	670.450	669.890	670.030	670.010	669.840
12	671.260	670.550	670.820	670.480	670.600
13	672.460	672.250	672.570	671.630	671.870
14	675.220	675.060	675.240	673.640	674.520
15	679.060	678.500	678.910	676.930	677.400
16	683.460	682.920	683.090	681.110	681.600
17	689.030	687.890	688.120	685.810	686.140
18	694.970	693.920	693.790	691.350	691.910
19	702.030	700.690	700.920	697.630	698.880

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

20	710.100	708.390	708.010	705.090	706.150
21	718.410	716.470	716.570	713.240	714.340
22	727.710	725.250	725.470	722.250	722.980
23	737.770	735.120	735.790	731.880	732.670
24	748.340	745.670	746.120	742.360	742.630
25	760.280	757.620	757.660	753.620	753.940
26	772.770	769.360	769.860	765.650	766.150
27	786.250	782.130	783.040	778.020	778.720
28	800.920	795.580	795.910	791.250	792.100
29	815.700	809.510	810.020	805.120	806.030
30	831.080	824.570	824.110	820.620	821.050
31	846.000	839.500	838.070	835.570	836.290
32	859.810	853.500	851.120	849.560	850.670
33	871.930	865.890	863.720	862.770	863.730
34	884.570	878.260	876.840	875.160	875.810
35	897.840	890.750	890.420	887.590	888.790
36	911.090	903.970	903.370	900.960	902.240
37	924.640	916.510	917.060	913.740	915.970
38	937.880	929.280	929.850	927.520	929.600
39	951.280	942.970	943.210	940.400	942.600
40	964.480	956.430	956.370	954.480	955.470
41	977.620	969.030	968.830	967.850	968.010
42	989.890	981.120	981.330	980.750	980.200
43	1001.700	993.110	994.410	993.760	992.140
44	1013.030	1005.660	1008.380	1006.300	1004.380
45	1024.940	1018.470	1022.110	1018.430	1016.890
46	1037.490	1031.580	1037.040	1031.190	1029.790
47	1051.170	1045.570	1051.310	1044.550	1042.380
48	1064.470	1059.160	1065.820	1058.080	1054.730
49	1077.040	1071.750	1079.660	1071.040	1065.900
50	1090.090	1084.200	1093.650	1084.860	1076.840
51	1102.840	1097.100	1108.960	1098.190	1088.340
52	1115.940	1109.950	1124.090	1111.510	1100.140
53	1127.070	1121.650	1139.060	1123.920	1110.950
54	1137.920	1131.150	1151.150	1135.030	1120.070
55	1145.330	1138.060	1161.530	1144.260	1127.250
56	1150.590	1143.320	1168.900	1150.760	1132.800
57	1152.280	1145.070	1172.610	1154.810	1135.010
58	1150.230	1143.530	1171.810	1154.970	1133.040
59	1144.780	1136.700	1165.300	1150.350	1127.910
60	1133.980	1125.550	1154.840	1140.900	1117.870
61	1118.660	1109.540	1139.760	1127.430	1104.290
62	1098.540	1088.860	1119.600	1108.980	1085.780
63	1071.780	1062.880	1092.330	1085.890	1063.140
64	1041.350	1032.210	1059.690	1057.330	1036.690
65	1005.040	996.730	1021.360	1023.000	1003.970
66	963.980	956.240	978.330	983.550	966.280
67	919.300	911.580	931.380	939.160	922.910
68	869.100	862.510	879.700	890.810	876.450
69	817.380	811.200	826.370	838.640	826.080
70	764.220	759.570	771.850	784.120	773.240
71	711.300	707.830	717.510	729.970	720.740
72	659.860	657.330	664.290	676.820	667.700
73	610.100	609.800	613.830	625.930	617.790
74	563.530	563.790	565.810	578.380	569.960
75	520.010	520.920	521.630	532.540	526.270

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

76	479.560	481.190	480.120	490.790	484.450
77	441.680	443.690	441.330	451.000	445.980
78	406.560	408.360	405.550	414.850	409.750
79	373.460	375.650	372.120	380.480	375.730
80	343.150	345.170	341.320	349.110	344.150
81	314.880	316.100	312.540	319.490	314.810
82	287.490	288.930	285.320	291.150	286.680
83	261.250	263.030	258.690	264.120	258.990
84	234.770	237.510	232.010	235.390	230.230
85	206.290	209.470	202.440	206.670	200.430
86	179.590	181.460	175.780	178.050	173.450
87	156.450	158.290	153.230	154.760	151.140
88	136.190	137.490	131.590	133.490	129.960
89	115.100	116.430	111.530	112.600	110.960
90	105.520	106.190	103.040	103.700	102.580
91	97.860	98.510	95.620	96.100	95.110
92	90.870	91.500	88.950	89.240	87.870
93	85.140	85.290	83.370	83.070	82.180
94	79.420	79.580	77.830	77.430	76.520
95	73.700	74.420	72.290	72.370	71.550
96	64.550	69.740	67.730	67.700	66.870
97	42.230	65.260	63.510	63.460	62.670
98	28.790	60.660	59.640	59.540	58.790
99	17.420	52.120	56.070	55.890	55.160
100	15.980	41.040	52.450	52.540	51.880
101	20.940	32.080	47.460	49.430	48.760
102	24.590	25.470	41.090	46.440	45.930
103	27.970	20.710	34.460	42.970	43.210
104	31.800	14.620	28.660	38.940	40.110
105	36.200	11.660	23.020	34.030	36.120
106	37.290	12.460	16.880	28.520	30.940
107	35.060	14.270	9.950	21.540	24.460
108	32.920	15.780	7.650	14.560	17.370
109	30.890	16.740	5.480	7.600	9.880
110	28.960	17.490	6.810	3.190	5.550
111	27.070	18.820	8.030	1.460	1.270
112	25.300	21.910	8.870	2.170	0.460
113	23.580	23.310	9.490	3.000	0.970
114	21.960	22.010	10.000	3.780	1.720
115	20.380	20.510	10.560	4.550	2.730
116	18.910	19.000	11.620	5.190	3.910
117	17.490	17.500	13.280	5.790	4.930
118	16.150	16.170	13.760	6.420	5.750
119	14.870	14.880	12.670	7.520	6.470
120	13.690	13.660	11.590	8.250	6.970
121	12.570	12.520	10.600	8.050	6.940
122	11.520	11.470	9.690	7.350	6.610
123	10.530	10.480	8.830	6.670	6.030
124	9.590	9.540	8.030	6.070	5.450
125	8.740	8.670	7.280	5.500	4.900
126	7.890	7.850	6.600	4.970	4.400
127	7.110	7.080	5.940	4.490	3.920
128	6.400	6.370	5.350	4.050	3.480
129	5.730	5.710	4.790	3.630	3.070
130	5.100	5.080	4.270	3.240	2.690
131	4.500	4.500	3.770	2.880	2.340

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

132	3.950	3.960	3.300	2.530	2.020
133	3.440	3.460	2.880	2.210	1.710
134	2.960	2.980	2.500	1.900	1.430
135	2.520	2.550	2.160	1.620	1.170
136	2.110	2.150	1.850	1.380	0.950
137	1.730	1.780	1.560	1.150	0.750
138	1.380	1.440	1.300	0.950	0.580
139	1.070	1.130	1.060	0.750	0.430
140	0.800	0.870	0.840	0.580	0.300
141	0.570	0.650	0.640	0.420	0.210
142	0.380	0.460	0.460	0.280	0.140
143	0.250	0.320	0.300	0.180	0.110
144	0.150	0.210	0.180	0.110	0.080
145	0.090	0.130	0.100	0.070	0.060
146	0.050	0.070	0.050	0.050	0.060
147	0.040	0.040	0.050	0.050	0.050
148	0.040	0.040	0.040	0.040	0.050
149	0.040	0.040	0.040	0.040	0.040
150	0.040	0.040	0.040	0.040	0.040
151	0.040	0.040	0.040	0.040	0.040
152	0.040	0.040	0.040	0.040	0.040
153	0.040	0.040	0.040	0.040	0.040
154	0.040	0.040	0.040	0.040	0.040
155	0.040	0.040	0.040	0.040	0.040
156	0.040	0.040	0.040	0.040	0.040
157	0.040	0.030	0.040	0.040	0.040
158	0.040	0.030	0.040	0.040	0.040
159	0.030	0.030	0.040	0.040	0.040
160	0.030	0.030	0.040	0.040	0.040
161	0.030	0.030	0.040	0.040	0.040
162	0.030	0.030	0.040	0.040	0.040
163	0.030	0.030	0.040	0.040	0.040
164	0.030	0.030	0.040	0.040	0.040
165	0.030	0.030	0.040	0.030	0.040
166	0.030	0.030	0.030	0.030	0.040
167	0.030	0.030	0.030	0.030	0.030
168	0.030	0.030	0.030	0.030	0.030
169	0.030	0.030	0.030	0.030	0.030
170	0.030	0.030	0.030	0.030	0.030
171	0.030	0.030	0.030	0.030	0.030
172	0.030	0.030	0.030	0.030	0.030
173	0.030	0.030	0.030	0.030	0.030
174	0.030	0.030	0.030	0.020	0.030
175	0.020	0.020	0.020	0.020	0.030
176	0.020	0.020	0.020	0.020	0.020
177	0.020	0.030	0.020	0.030	0.020
178	0.030	0.030	0.030	0.030	0.030
179	0.040	0.040	0.030	0.030	0.030
180	0.040	0.040	0.040	0.040	0.040

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	257.55	5.30	5.30
0-30	609.37	12.40	12.40
0-40	1167.23	23.80	23.80
0-60	2963.28	60.50	60.50
0-80	4529.77	92.50	92.50
0-90	4765.53	97.30	97.30
10-90	4701.68	96.00	96.00
20-40	909.68	18.60	18.60
20-50	1694.16	34.60	34.60
40-70	2788.38	56.90	56.90
60-80	1566.49	32.00	32.00
70-80	574.16	11.70	11.70
80-90	235.76	4.80	4.80
90-110	107.80	2.20	2.20
90-120	122.85	2.50	2.50
90-130	129.94	2.70	2.70
90-150	131.85	2.70	2.70
90-180	131.89	2.70	2.70
110-180	24.09	0.50	0.50
0-180	4897.42	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	63.85
10-20	193.70
20-30	351.82
30-40	557.86
40-50	784.48
50-60	1011.57
60-70	992.33
70-80	574.16
80-90	235.76
90-100	77.49
100-110	30.31
110-120	15.05
120-130	7.09
130-140	1.78
140-150	0.12
150-160	0.02
160-170	0.01
170-180	0.00

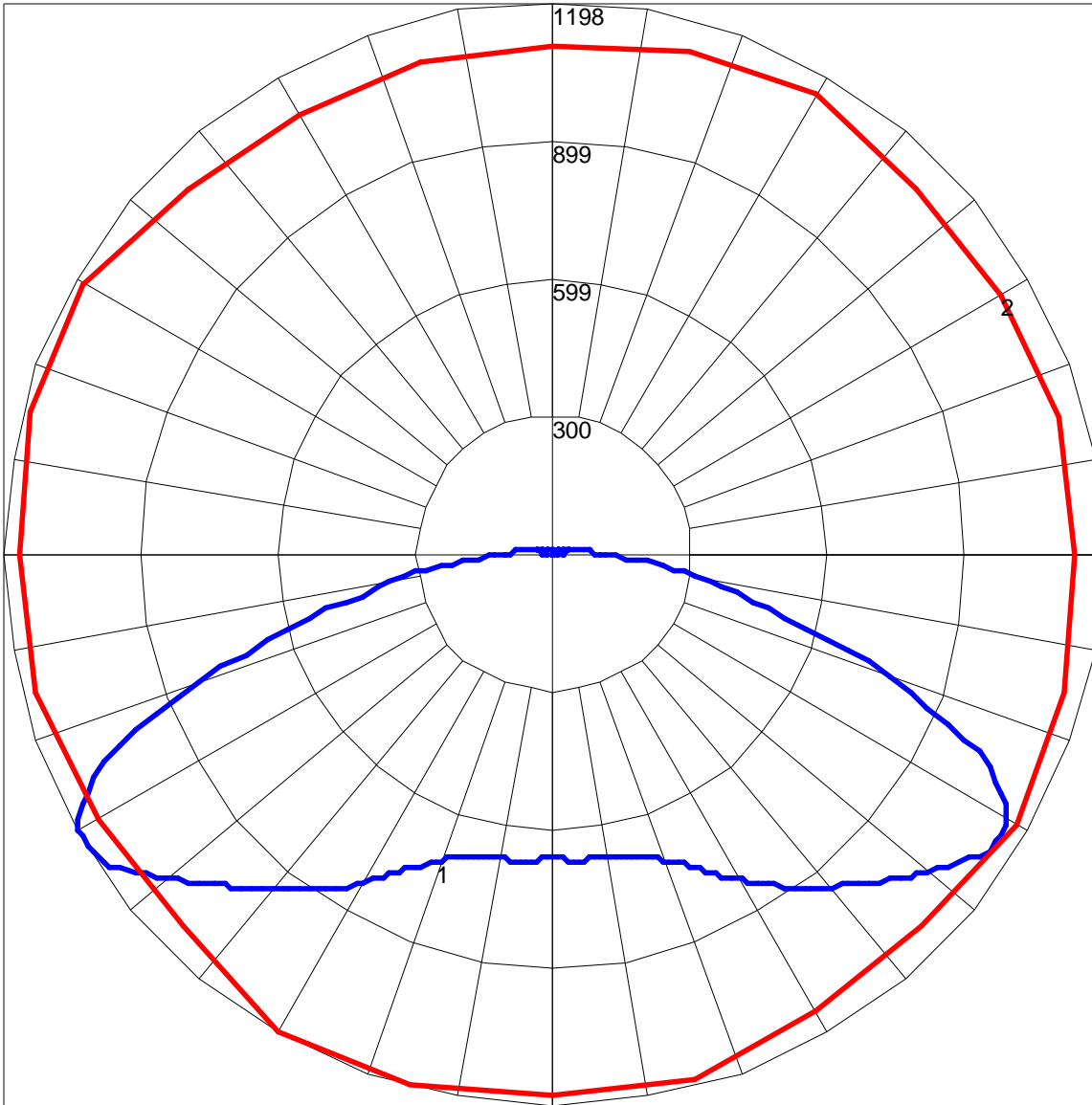
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED45DMVXX40.IES**

**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
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	105	99	93	88	102	96	91	86	91	87	83	87	83	80	83	80	77	75
2	93	83	74	67	90	80	73	66	76	70	64	72	67	62	69	64	60	58
3	83	70	60	52	80	68	59	52	65	57	50	61	55	49	58	53	48	45
4	75	60	50	42	72	59	49	41	56	47	40	53	45	40	50	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	46	38	33	44	37	32	29
6	62	46	36	29	59	45	35	28	43	34	28	41	33	27	39	32	27	24
7	57	41	31	24	54	40	31	24	38	30	24	36	29	23	35	28	23	21
8	52	37	27	21	50	36	27	21	35	26	20	33	25	20	31	25	20	18
9	48	34	24	18	47	33	24	18	31	23	18	30	23	18	29	22	17	15
10	45	31	22	16	44	30	22	16	29	21	16	28	20	15	26	20	15	13

POLAR GRAPH



Maximum Candela = 1198.46 Located At Horizontal Angle = 240, Vertical Angle = 58  
# 1 - Vertical Plane Through Horizontal Angles (240 - 60) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (58) (Through Max. Cd.)