



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED60DMVXX40.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 17:47:59  
 [NEARFIELD]  
 [LAMPPOSITION] 0,0  
 [OTHER] EVERFINE GO-R5000\_V2 SYSTEM  
 [MANUFAC] Mobern Lighting Co.  
 [LUMCAT] CPYRA12PG-LED60DMVxx40  
 [LUMINAIRE] LED  
 [BALLAST] 120-277V,50/60Hz  
 [OTHER]  

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	96.83	96.83	1.38	1.38
[OTHER] 10- 20	297.39	394.22	5.61	5.61
[OTHER] 20- 30	528.66	922.87	13.14	13.14
[OTHER] 30- 40	810.51	1733.39	24.69	24.69
[OTHER] 40- 50	1127.06	2860.45	40.74	40.74
[OTHER] 50- 60	1409.03	4269.47	60.81	60.81
[OTHER] 60- 70	1356.37	5625.84	80.13	80.13
[OTHER] 70- 80	837.43	6463.27	92.05	92.05
[OTHER] 80- 90	358.24	6821.51	97.15	97.15
[OTHER] 90-100	118.05	6939.57	98.84	98.84
[OTHER] 100-110	45.90	6985.47	99.49	99.49
[OTHER] 110-120	22.39	7007.86	99.81	99.81
[OTHER] 120-130	10.59	7018.45	99.96	99.96
[OTHER] 130-140	2.62	7021.07	100.00	100.00
[OTHER] 140-150	0.17	7021.24	100.00	100.00
[OTHER] 150-160	0.03	7021.27	100.00	100.00
[OTHER] 160-170	0.02	7021.29	100.00	100.00
[OTHER] 170-180	0.01	7021.29	100.00	100.00
[OTHER]				

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**CHARACTERISTICS**

Lumens Per Lamp	7021.3 (1 lamp)
Total Lamp Lumens	7021.3
Luminaire Lumens	7021
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	61.2385
Ballast Factor	0.99
CIE Type	Direct
Spacing Criterion (0-180)	2.00
Spacing Criterion (90-270)	2.08
Spacing Criterion (Diagonal)	2.18
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	28224	28552	29591
55	38578	38236	39996
65	46604	45074	47989
75	42625	40946	43837
85	52631	52151	53330

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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	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779
1	1001.820	1001.450	1002.570	1002.560	1002.160	1002.990	1003.290	1004.150	1003.790	1004.640
2	1002.400	1001.650	1002.600	1003.560	1003.750	1003.570	1005.230	1007.110	1005.840	1007.610
3	1001.800	1002.480	1003.940	1004.790	1004.830	1005.360	1007.780	1009.990	1008.870	1010.290
4	1002.400	1003.310	1005.170	1005.110	1006.310	1008.500	1010.390	1011.860	1012.190	1013.180
5	1002.940	1003.670	1005.350	1006.530	1008.850	1010.330	1013.510	1015.360	1016.220	1016.810
6	1004.220	1005.120	1007.310	1009.130	1010.760	1012.660	1016.100	1018.640	1019.600	1021.520
7	1004.880	1005.970	1007.630	1009.900	1013.140	1015.950	1018.710	1021.960	1023.830	1024.810
8	1005.800	1006.870	1009.580	1011.900	1015.670	1018.130	1021.570	1025.680	1026.600	1028.930
9	1007.490	1008.890	1011.480	1013.550	1018.030	1020.840	1025.330	1029.480	1029.850	1031.540
10	1008.800	1009.960	1012.480	1015.560	1020.330	1023.670	1028.950	1032.610	1033.540	1036.620
11	1009.830	1012.440	1015.620	1018.040	1022.050	1027.010	1031.680	1035.680	1037.820	1041.480
12	1012.640	1013.950	1017.640	1021.070	1025.670	1030.860	1036.090	1040.170	1041.740	1046.070
13	1015.760	1017.550	1020.890	1024.180	1029.850	1034.350	1040.550	1045.980	1046.800	1050.260
14	1018.460	1020.210	1024.510	1028.700	1034.060	1039.940	1044.890	1050.860	1052.720	1056.680
15	1023.010	1023.800	1029.570	1032.780	1039.350	1045.020	1051.220	1056.980	1059.520	1063.810
16	1028.220	1029.920	1034.580	1038.160	1044.900	1051.530	1058.120	1064.070	1065.600	1070.610
17	1032.940	1034.890	1040.580	1044.620	1051.770	1057.880	1065.310	1071.420	1074.170	1079.140
18	1040.770	1042.410	1047.520	1051.580	1060.410	1065.450	1072.940	1080.790	1083.050	1088.100
19	1047.490	1048.520	1054.660	1059.060	1068.050	1074.510	1080.950	1089.770	1092.870	1098.090
20	1055.150	1056.620	1061.390	1067.880	1076.620	1083.210	1090.970	1099.880	1101.910	1107.580
21	1064.050	1064.340	1069.990	1076.890	1085.430	1093.210	1101.240	1109.500	1112.190	1117.270
22	1072.490	1073.960	1079.420	1086.000	1096.220	1104.100	1112.660	1120.890	1122.230	1128.440
23	1083.440	1082.910	1089.280	1095.760	1107.140	1115.130	1123.080	1131.610	1133.470	1139.620
24	1092.320	1093.020	1099.810	1107.110	1118.780	1126.860	1135.510	1143.590	1145.650	1151.440
25	1104.850	1105.210	1110.870	1118.410	1131.200	1138.760	1149.060	1157.550	1157.980	1165.020
26	1115.750	1117.380	1123.480	1130.410	1143.690	1152.870	1162.440	1171.120	1171.530	1178.320
27	1129.530	1130.290	1136.250	1142.560	1157.110	1166.340	1177.020	1186.080	1186.000	1193.540
28	1142.820	1141.430	1150.400	1155.790	1172.280	1182.060	1192.000	1200.020	1200.860	1207.600
29	1156.330	1155.350	1163.480	1170.450	1186.470	1196.840	1206.990	1216.080	1215.380	1222.340
30	1169.480	1170.320	1177.370	1185.420	1200.980	1212.030	1221.810	1232.680	1231.250	1238.760
31	1185.790	1184.470	1192.740	1200.690	1218.020	1228.580	1238.620	1248.110	1246.530	1254.320
32	1200.360	1199.890	1208.730	1215.540	1233.250	1244.650	1256.320	1265.050	1263.050	1270.850
33	1215.000	1215.680	1223.720	1230.750	1249.790	1262.490	1273.140	1281.260	1278.610	1287.580
34	1229.450	1230.570	1238.050	1245.950	1266.210	1278.570	1289.050	1297.240	1295.910	1304.190
35	1244.590	1247.340	1253.460	1261.360	1282.380	1296.750	1305.780	1314.720	1310.740	1320.460
36	1261.270	1260.610	1269.540	1277.570	1299.640	1312.930	1323.350	1332.270	1328.690	1336.500
37	1276.790	1277.550	1285.040	1294.910	1316.570	1329.580	1339.870	1349.080	1344.200	1352.810
38	1291.970	1293.910	1301.860	1310.990	1334.610	1346.850	1357.770	1365.550	1360.120	1368.660
39	1308.840	1308.510	1318.300	1326.990	1351.090	1364.670	1374.740	1381.910	1377.050	1385.070
40	1324.160	1326.500	1333.990	1344.930	1368.600	1382.610	1392.070	1399.090	1392.770	1400.820
41	1342.290	1342.740	1349.660	1361.300	1385.900	1399.500	1410.910	1415.690	1410.220	1416.540
42	1358.820	1359.870	1366.240	1377.840	1404.210	1417.700	1427.830	1432.780	1425.410	1433.410
43	1376.160	1376.200	1383.190	1392.850	1420.260	1435.640	1445.830	1450.250	1440.560	1447.580
44	1393.150	1394.600	1401.470	1410.770	1437.810	1452.870	1461.960	1466.260	1455.510	1462.780
45	1411.310	1411.350	1417.230	1427.700	1455.650	1471.500	1479.660	1483.390	1471.200	1477.880
46	1428.160	1429.020	1435.940	1443.540	1472.960	1490.900	1497.750	1497.590	1487.350	1492.490
47	1447.130	1448.460	1452.530	1461.270	1489.710	1505.820	1514.700	1513.970	1501.520	1506.090
48	1464.350	1464.360	1468.950	1476.700	1507.500	1523.480	1531.310	1530.560	1515.740	1520.210
49	1481.560	1481.330	1485.180	1491.160	1522.980	1539.700	1546.880	1544.950	1529.850	1530.940
50	1498.430	1499.040	1499.790	1505.440	1537.460	1556.030	1564.450	1558.720	1542.810	1543.010
51	1515.760	1514.770	1512.440	1517.080	1552.430	1570.960	1579.290	1572.000	1554.310	1553.850
52	1529.230	1530.290	1526.640	1528.700	1564.780	1585.770	1593.510	1583.980	1563.950	1563.630
53	1543.990	1543.690	1536.970	1539.040	1575.360	1598.240	1605.810	1595.030	1572.830	1571.620

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54	1555.590	1555.160	1545.330	1547.030	1584.790	1606.310	1613.450	1604.060	1579.620	1577.740
55	1564.780	1563.410	1552.810	1550.900	1588.360	1612.390	1622.280	1609.840	1584.370	1579.370
56	1570.840	1569.370	1555.790	1554.120	1590.870	1616.470	1624.750	1611.860	1585.020	1578.450
57	1572.420	1570.530	1554.060	1550.990	1588.080	1616.310	1626.530	1610.870	1583.160	1575.460
58	1568.340	1567.180	1548.030	1543.890	1579.210	1610.480	1620.770	1605.640	1577.870	1566.180
59	1559.330	1559.320	1536.830	1532.300	1565.950	1600.280	1611.040	1594.210	1566.630	1555.280
60	1547.200	1546.740	1520.470	1515.110	1548.090	1585.220	1594.660	1578.160	1552.720	1536.940
61	1528.620	1528.320	1501.090	1490.200	1526.400	1563.570	1575.650	1557.000	1532.200	1515.290
62	1503.090	1502.850	1473.150	1462.130	1499.110	1536.250	1548.120	1530.540	1508.730	1487.790
63	1474.120	1472.760	1441.850	1428.990	1463.550	1503.720	1517.440	1498.400	1476.140	1457.180
64	1436.510	1435.450	1402.490	1391.730	1423.900	1464.510	1478.740	1460.450	1441.520	1418.680
65	1392.810	1393.010	1359.000	1347.080	1376.430	1420.800	1434.200	1415.960	1398.480	1375.900
66	1342.620	1341.820	1307.250	1295.920	1325.060	1368.290	1384.690	1364.270	1351.350	1330.600
67	1288.630	1288.870	1252.220	1241.260	1267.230	1311.400	1328.690	1308.350	1298.210	1276.750
68	1228.480	1226.830	1191.240	1181.170	1205.780	1248.630	1266.270	1247.850	1239.710	1220.160
69	1164.990	1163.090	1127.040	1118.590	1139.930	1182.380	1201.090	1181.840	1178.820	1159.350
70	1100.380	1096.760	1061.970	1053.510	1073.540	1115.480	1134.560	1116.210	1113.570	1096.820
71	1032.690	1029.200	995.410	989.180	1006.800	1046.200	1066.340	1047.280	1048.280	1032.000
72	966.960	963.170	930.690	924.530	940.390	978.440	997.470	979.180	982.410	966.510
73	901.190	897.500	867.320	863.700	876.510	911.950	929.560	911.200	915.770	902.750
74	839.520	835.290	808.660	804.830	816.030	848.270	864.080	847.910	852.340	839.520
75	780.140	775.850	751.180	749.410	757.760	787.290	802.330	786.620	793.150	779.760
76	723.490	720.360	696.770	695.740	702.660	729.810	743.220	726.540	732.360	722.220
77	669.990	667.030	645.310	645.390	650.840	675.590	688.330	672.770	679.980	668.750
78	619.300	615.880	596.890	597.710	601.810	624.260	635.570	620.590	626.010	617.530
79	571.540	568.730	551.750	552.190	556.050	576.010	586.200	572.690	578.180	569.570
80	526.150	524.920	508.090	509.240	512.330	530.510	539.310	526.840	531.180	523.760
81	484.800	482.980	468.170	469.980	471.460	487.080	495.640	483.400	489.100	481.350
82	443.960	443.310	429.620	431.230	432.940	446.900	453.950	442.080	447.910	441.240
83	405.590	405.610	393.360	394.810	395.870	408.040	413.540	401.960	408.760	401.860
84	366.340	367.930	356.420	359.220	358.790	368.610	372.740	361.910	369.980	363.810
85	324.380	326.850	316.480	321.420	317.000	325.050	328.690	317.150	326.160	319.050
86	279.730	282.860	273.650	278.620	273.700	281.970	285.320	274.730	282.760	276.460
87	241.150	243.600	236.430	240.890	237.740	245.040	248.370	238.220	245.650	240.240
88	209.850	216.890	206.890	210.700	207.350	212.850	221.040	206.840	219.560	209.520
89	180.090	190.180	178.090	180.640	177.640	180.880	193.710	177.500	193.470	180.650
90	163.090	163.590	162.110	163.400	162.170	165.020	166.900	163.950	167.650	166.950
91	151.310	152.110	150.410	151.770	150.630	153.370	155.180	152.140	155.460	154.840
92	140.860	141.540	140.180	141.340	140.390	142.830	144.330	141.530	144.460	143.990
93	131.240	132.140	130.780	131.830	131.010	133.040	134.680	131.880	134.450	133.880
94	122.650	123.080	122.180	122.990	122.200	124.220	125.630	123.300	125.390	125.020
95	114.680	115.110	114.260	115.210	107.950	115.410	117.400	115.130	115.390	116.830
96	107.280	107.730	107.000	107.800	82.130	76.880	97.030	74.970	83.630	109.230
97	100.580	101.000	100.400	100.440	56.020	38.340	76.660	73.370	52.210	101.090
98	94.320	94.820	94.180	88.370	29.920	0.140	56.290	72.040	29.580	86.160
99	88.320	89.080	88.180	70.410	28.160	6.070	35.920	70.700	15.740	68.630
100	83.240	83.660	78.870	55.390	33.620	43.880	15.730	69.370	31.290	51.090
101	78.160	78.650	69.520	43.650	38.820	67.730	66.630	68.040	39.400	37.770
102	73.560	73.270	60.160	34.510	42.620	63.770	75.210	64.020	46.690	24.930
103	69.070	67.020	50.360	25.900	46.770	59.840	70.750	60.160	53.690	17.270
104	63.870	59.860	41.340	20.240	50.440	56.140	66.620	56.430	62.000	16.820
105	57.100	51.690	31.900	18.740	54.920	52.660	62.720	53.020	62.630	21.130
106	48.240	42.290	20.560	21.460	58.230	49.390	59.010	49.760	58.840	24.780
107	37.340	31.270	12.120	23.400	55.620	46.340	55.500	46.630	55.340	28.240
108	25.040	20.240	11.490	25.040	52.200	43.360	52.210	43.690	51.950	30.630
109	13.580	9.280	11.120	26.650	48.730	40.640	49.080	40.860	48.770	32.650

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**CANDELA TABULATION - (Cont.)**

110	9.230	3.760	10.750	27.940	45.580	37.980	46.050	38.180	45.730	37.260
111	5.050	2.280	12.220	29.360	42.570	35.450	43.180	35.580	42.850	40.730
112	0.870	2.770	13.600	31.970	39.790	33.080	40.430	33.150	40.080	39.550
113	1.640	3.780	14.830	34.060	37.080	30.740	37.760	30.810	37.370	36.920
114	2.770	5.330	15.610	33.850	34.570	28.590	35.280	28.620	34.870	34.330
115	4.280	6.800	16.540	31.980	32.180	26.520	32.900	26.540	32.440	31.880
116	6.170	8.150	18.030	29.640	29.910	24.590	30.610	24.520	30.140	29.490
117	8.230	9.240	19.540	27.430	27.730	22.740	28.440	22.610	27.960	27.310
118	9.720	10.420	21.040	25.310	25.710	20.980	26.390	20.850	25.880	25.210
119	9.890	12.350	19.640	23.310	23.750	19.400	24.450	19.150	23.890	23.280
120	9.680	13.940	17.950	21.450	21.900	17.810	22.610	17.560	22.060	21.460
121	10.030	13.780	16.460	19.790	20.150	16.230	20.900	16.050	20.370	19.670
122	10.270	12.520	15.070	18.120	18.510	14.820	19.310	14.640	18.690	18.040
123	9.490	11.420	13.750	16.470	16.980	13.520	17.730	13.290	17.010	16.490
124	8.600	10.400	12.540	15.030	15.460	12.270	16.140	12.080	15.510	15.080
125	7.740	9.430	11.380	13.690	14.090	11.100	14.730	10.910	14.100	13.700
126	6.940	8.510	10.310	12.400	12.770	10.000	13.380	9.840	12.790	12.420
127	6.180	7.650	9.350	11.190	11.510	7.840	11.650	7.580	11.520	11.240
128	5.490	6.850	8.400	10.090	10.360	5.710	6.980	5.310	10.350	10.130
129	4.830	6.100	7.440	9.030	9.320	6.430	0.720	6.270	9.270	9.140
130	4.220	5.410	6.600	8.060	8.270	6.240	4.400	5.830	8.250	8.170
131	3.660	4.760	5.810	7.140	7.230	5.480	5.960	4.990	7.280	7.190
132	3.120	4.150	5.070	6.280	6.330	4.740	5.190	4.280	6.390	6.330
133	2.640	3.600	4.400	5.470	5.500	4.000	4.470	3.620	5.550	5.510
134	2.180	3.080	3.760	4.710	4.700	3.390	3.800	3.030	4.780	4.760
135	1.790	2.600	3.180	4.000	3.980	2.830	3.180	2.500	4.050	4.050
136	1.440	2.170	2.650	3.350	3.320	2.320	2.600	2.060	3.400	3.410
137	1.140	1.780	2.170	2.740	2.730	1.870	2.070	1.710	2.780	2.810
138	0.890	1.430	1.750	2.180	2.200	1.470	1.590	1.380	2.240	2.250
139	0.690	1.100	1.390	1.660	1.720	1.150	1.170	1.140	1.780	1.730
140	0.530	0.810	1.050	1.210	1.280	0.880	0.790	0.910	1.360	1.270
141	0.410	0.560	0.750	0.860	0.870	0.630	0.500	0.700	0.980	0.900
142	0.310	0.350	0.500	0.600	0.550	0.420	0.310	0.490	0.660	0.610
143	0.220	0.190	0.310	0.400	0.310	0.240	0.170	0.310	0.410	0.400
144	0.150	0.100	0.170	0.240	0.160	0.110	0.100	0.170	0.230	0.230
145	0.100	0.080	0.090	0.130	0.080	0.060	0.070	0.090	0.130	0.130
146	0.080	0.080	0.070	0.080	0.060	0.070	0.070	0.090	0.090	0.100
147	0.070	0.070	0.070	0.070	0.060	0.060	0.070	0.090	0.090	0.100
148	0.070	0.070	0.070	0.070	0.070	0.060	0.060	0.090	0.090	0.090
149	0.070	0.070	0.070	0.060	0.060	0.060	0.060	0.080	0.090	0.090
150	0.070	0.070	0.070	0.060	0.060	0.050	0.060	0.080	0.080	0.090
151	0.070	0.070	0.070	0.060	0.060	0.050	0.060	0.080	0.080	0.090
152	0.060	0.070	0.070	0.060	0.060	0.050	0.060	0.080	0.080	0.090
153	0.070	0.070	0.070	0.060	0.060	0.050	0.060	0.080	0.080	0.090
154	0.070	0.070	0.060	0.060	0.060	0.050	0.060	0.080	0.080	0.090
155	0.070	0.070	0.060	0.060	0.060	0.050	0.060	0.070	0.080	0.090
156	0.070	0.060	0.060	0.060	0.050	0.050	0.060	0.070	0.080	0.090
157	0.070	0.060	0.060	0.060	0.050	0.050	0.060	0.070	0.080	0.090
158	0.060	0.060	0.060	0.060	0.060	0.050	0.060	0.070	0.080	0.090
159	0.060	0.060	0.060	0.060	0.060	0.050	0.060	0.070	0.090	0.090
160	0.060	0.060	0.060	0.060	0.060	0.050	0.060	0.080	0.090	0.090
161	0.060	0.060	0.060	0.060	0.060	0.050	0.070	0.080	0.090	0.090
162	0.060	0.060	0.060	0.050	0.060	0.050	0.070	0.080	0.090	0.090
163	0.060	0.060	0.060	0.060	0.060	0.060	0.070	0.080	0.090	0.090
164	0.060	0.060	0.060	0.050	0.060	0.060	0.070	0.080	0.090	0.090
165	0.060	0.060	0.060	0.050	0.050	0.050	0.080	0.080	0.090	0.090

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

166	0.060	0.060	0.050	0.050	0.050	0.050	0.080	0.080	0.090	0.090
167	0.060	0.060	0.050	0.050	0.050	0.050	0.080	0.080	0.090	0.090
168	0.060	0.050	0.050	0.050	0.050	0.050	0.080	0.080	0.090	0.090
169	0.060	0.050	0.050	0.050	0.050	0.050	0.080	0.080	0.090	0.090
170	0.050	0.050	0.050	0.050	0.050	0.050	0.080	0.080	0.090	0.090
171	0.050	0.050	0.050	0.050	0.050	0.040	0.080	0.080	0.090	0.090
172	0.050	0.050	0.050	0.040	0.040	0.040	0.080	0.080	0.080	0.080
173	0.050	0.050	0.040	0.040	0.040	0.040	0.070	0.080	0.080	0.080
174	0.050	0.040	0.040	0.030	0.040	0.040	0.070	0.070	0.080	0.080
175	0.040	0.040	0.040	0.030	0.030	0.030	0.070	0.070	0.070	0.070
176	0.040	0.040	0.040	0.030	0.030	0.030	0.060	0.070	0.070	0.070
177	0.040	0.040	0.040	0.030	0.030	0.030	0.060	0.060	0.060	0.070
178	0.040	0.040	0.040	0.040	0.040	0.040	0.060	0.060	0.060	0.060
179	0.050	0.050	0.040	0.040	0.040	0.050	0.060	0.060	0.060	0.060
180	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050

**Vert. 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	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779	1002.779
1	1004.210	1004.070	1004.110	1004.640	1003.920	1003.900	1004.380	1003.430	1003.810	1003.070
2	1007.300	1007.450	1006.870	1007.420	1006.130	1006.480	1005.240	1005.030	1004.800	1003.830
3	1010.340	1011.370	1009.970	1010.480	1009.260	1009.470	1006.550	1006.170	1006.760	1004.620
4	1012.690	1014.950	1013.930	1013.190	1012.810	1010.720	1009.760	1007.660	1007.020	1004.770
5	1017.220	1017.860	1017.250	1017.230	1015.700	1014.530	1011.490	1009.930	1008.440	1006.210
6	1021.860	1022.130	1021.210	1020.890	1018.750	1016.410	1013.770	1011.630	1010.340	1007.290
7	1025.380	1025.550	1025.620	1023.240	1021.550	1018.110	1015.850	1013.200	1011.080	1009.340
8	1029.110	1029.610	1028.240	1027.190	1023.580	1021.640	1018.800	1016.080	1013.050	1009.950
9	1033.370	1032.890	1032.980	1030.030	1027.260	1024.040	1020.160	1017.680	1015.650	1012.190
10	1037.510	1037.290	1036.500	1034.390	1030.950	1027.980	1022.920	1020.050	1017.200	1013.470
11	1041.230	1042.580	1041.290	1039.440	1034.840	1030.800	1027.240	1022.700	1020.660	1015.530
12	1046.210	1047.930	1046.140	1043.780	1039.090	1035.210	1029.500	1025.600	1022.750	1018.060
13	1050.630	1053.430	1051.430	1048.400	1043.270	1038.690	1032.810	1029.200	1026.690	1021.280
14	1056.560	1059.380	1057.280	1056.060	1048.930	1044.820	1038.780	1033.110	1030.490	1024.900
15	1064.680	1066.450	1063.610	1061.190	1055.430	1050.570	1043.900	1039.290	1034.960	1029.680
16	1070.970	1074.260	1070.800	1068.270	1061.800	1057.310	1050.230	1044.830	1041.670	1034.490
17	1080.530	1081.730	1079.060	1077.400	1070.670	1065.790	1057.240	1052.180	1048.090	1041.850
18	1089.940	1091.550	1089.140	1087.110	1079.220	1074.060	1065.670	1059.570	1055.790	1048.850
19	1098.040	1101.060	1098.250	1095.700	1088.000	1082.940	1073.750	1067.680	1063.200	1055.810
20	1108.860	1111.720	1108.800	1106.260	1096.770	1090.920	1082.500	1076.790	1072.410	1064.150
21	1118.920	1123.450	1120.130	1117.160	1107.760	1101.640	1092.480	1086.030	1080.260	1072.280
22	1129.590	1135.220	1131.990	1129.440	1118.790	1111.920	1103.050	1095.300	1089.540	1081.700
23	1141.570	1147.770	1144.060	1141.440	1131.140	1122.180	1112.560	1106.630	1100.650	1091.480
24	1155.550	1160.500	1158.890	1154.480	1143.490	1135.080	1124.000	1116.810	1111.540	1101.420
25	1169.140	1174.920	1173.100	1169.160	1157.500	1148.520	1137.920	1129.280	1123.270	1114.100
26	1182.570	1190.090	1187.400	1183.890	1171.240	1161.240	1149.030	1142.310	1135.100	1124.390
27	1196.630	1205.380	1203.520	1199.320	1185.360	1175.160	1162.230	1154.950	1149.300	1137.360
28	1212.160	1220.560	1220.660	1216.330	1201.590	1190.910	1176.470	1169.320	1162.490	1151.440
29	1229.280	1237.890	1237.370	1233.030	1216.990	1205.930	1191.960	1183.220	1175.190	1165.200
30	1244.420	1254.370	1253.760	1250.770	1234.290	1222.150	1207.070	1198.370	1190.800	1179.900
31	1262.400	1272.470	1271.520	1268.490	1251.690	1239.210	1222.280	1212.700	1205.840	1194.990
32	1278.020	1289.330	1289.640	1285.380	1268.460	1253.800	1238.770	1230.060	1220.050	1208.650
33	1295.030	1307.220	1307.660	1304.510	1284.690	1271.320	1254.490	1245.450	1233.890	1223.640
34	1310.780	1324.620	1325.150	1320.970	1302.110	1287.070	1270.720	1261.120	1249.640	1239.010
35	1327.770	1343.330	1342.900	1338.740	1320.210	1304.300	1285.780	1275.680	1264.610	1253.150
36	1345.330	1359.960	1360.500	1358.150	1337.240	1321.180	1302.000	1291.510	1280.770	1269.900

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

37	1361.710	1377.260	1377.980	1375.640	1355.230	1337.140	1317.760	1306.580	1297.620	1283.940
38	1379.240	1394.240	1397.470	1394.080	1373.150	1354.470	1334.490	1323.490	1312.700	1300.390
39	1397.100	1411.920	1415.370	1414.690	1391.300	1371.130	1351.490	1339.630	1328.370	1315.980
40	1413.720	1429.380	1433.690	1432.600	1410.460	1388.620	1367.530	1356.060	1345.000	1332.800
41	1429.370	1448.290	1453.350	1451.090	1426.700	1405.220	1384.840	1372.190	1360.700	1346.980
42	1447.690	1465.450	1471.400	1469.850	1444.830	1423.550	1401.410	1389.020	1376.990	1363.960
43	1463.870	1482.240	1488.940	1487.560	1462.690	1440.820	1417.130	1404.290	1393.060	1380.580
44	1479.490	1500.120	1506.090	1506.330	1479.280	1456.960	1434.090	1421.430	1409.720	1395.770
45	1495.090	1517.840	1524.770	1524.190	1498.740	1473.760	1452.020	1438.480	1426.570	1412.690
46	1512.530	1534.610	1542.330	1543.070	1516.020	1490.480	1468.540	1455.120	1443.140	1428.140
47	1527.950	1551.570	1561.340	1561.680	1533.940	1506.090	1487.130	1471.060	1459.510	1443.740
48	1543.670	1570.210	1579.620	1577.460	1549.190	1521.870	1501.880	1488.340	1476.400	1458.180
49	1556.700	1585.220	1596.870	1596.160	1566.210	1536.090	1518.150	1505.040	1491.260	1474.130
50	1570.170	1600.330	1611.920	1611.400	1579.470	1548.730	1533.650	1519.970	1505.420	1489.120
51	1583.970	1613.490	1628.620	1626.420	1593.300	1561.190	1546.960	1534.280	1519.960	1501.110
52	1595.100	1627.590	1640.700	1640.700	1603.030	1571.350	1558.730	1548.150	1533.190	1514.700
53	1605.570	1640.070	1654.800	1651.390	1614.330	1579.290	1570.630	1559.910	1543.230	1525.540
54	1613.180	1647.640	1664.430	1660.690	1622.850	1585.870	1579.550	1568.730	1553.360	1534.580
55	1618.820	1653.590	1669.900	1666.220	1625.130	1590.000	1584.520	1574.830	1559.760	1540.330
56	1619.700	1654.990	1671.630	1667.410	1626.100	1588.330	1589.390	1579.260	1563.170	1544.410
57	1617.210	1653.170	1669.580	1662.790	1620.610	1583.880	1586.660	1578.170	1563.260	1543.150
58	1610.080	1646.420	1663.850	1654.930	1611.940	1573.180	1580.220	1572.830	1559.470	1540.710
59	1597.910	1633.730	1652.160	1640.970	1599.280	1558.470	1569.340	1564.910	1549.640	1532.490
60	1582.260	1618.030	1634.720	1622.270	1580.070	1540.320	1554.200	1550.920	1537.290	1519.430
61	1561.420	1595.530	1613.270	1596.490	1556.130	1515.630	1533.070	1530.730	1518.340	1502.490
62	1534.450	1566.340	1585.740	1567.710	1526.530	1486.440	1506.010	1506.240	1493.140	1480.890
63	1501.930	1532.090	1550.790	1531.070	1491.410	1449.410	1476.730	1476.180	1464.970	1453.630
64	1465.540	1494.000	1508.550	1488.270	1451.220	1410.560	1437.220	1441.750	1430.500	1419.740
65	1421.260	1447.210	1462.810	1439.560	1404.430	1365.770	1393.750	1399.950	1389.120	1382.200
66	1372.640	1396.490	1412.130	1386.250	1353.170	1316.110	1345.440	1351.890	1343.110	1337.740
67	1318.470	1338.840	1353.820	1325.140	1296.180	1259.170	1291.380	1298.640	1293.070	1288.200
68	1260.060	1276.570	1291.490	1261.170	1233.670	1198.620	1232.910	1240.400	1234.950	1233.060
69	1195.250	1211.010	1224.680	1193.600	1170.180	1135.810	1169.650	1178.700	1174.170	1173.100
70	1129.740	1142.600	1156.720	1123.980	1103.940	1071.570	1104.310	1112.420	1109.860	1112.400
71	1062.810	1070.710	1086.040	1053.220	1035.770	1008.070	1038.010	1045.360	1046.020	1047.050
72	994.150	1001.080	1014.170	985.620	969.590	942.890	972.730	978.360	978.570	982.190
73	928.050	931.330	945.780	917.610	905.390	880.570	907.210	913.580	914.840	918.610
74	861.830	866.960	879.710	853.930	842.370	820.490	846.400	850.470	851.840	855.460
75	800.450	802.610	815.660	792.650	783.420	764.650	786.950	791.300	792.150	795.860
76	740.240	743.970	755.950	734.190	726.570	710.050	730.120	734.240	734.600	739.000
77	685.000	686.620	698.950	679.620	674.120	658.880	677.640	679.930	680.550	684.730
78	632.150	634.080	645.210	627.930	623.590	608.680	626.730	629.090	629.110	633.880
79	582.870	583.650	594.970	579.700	575.810	563.020	578.700	580.580	580.330	586.000
80	534.810	536.260	546.780	533.660	530.540	519.000	534.400	534.510	534.730	540.370
81	491.500	492.180	502.230	489.670	488.630	477.560	491.430	491.900	491.750	497.300
82	450.320	449.690	459.030	449.000	447.930	438.240	451.420	450.850	450.200	456.480
83	410.310	408.850	417.380	408.650	408.940	399.880	411.870	411.110	410.130	417.480
84	370.360	365.660	374.790	366.180	370.210	361.480	372.590	369.750	369.190	377.510
85	324.920	319.060	328.070	319.960	325.550	317.080	327.910	322.620	322.780	335.120
86	281.000	275.350	282.410	275.380	280.830	272.300	281.120	276.310	275.690	288.020
87	243.930	238.350	244.420	237.800	241.740	234.440	246.210	235.760	235.860	246.100
88	212.370	206.080	212.690	205.750	210.660	202.680	211.310	203.710	203.220	212.430
89	181.150	178.670	181.200	177.920	179.680	174.880	177.030	173.800	172.920	179.090
90	167.250	165.610	167.510	164.930	165.190	161.240	161.210	159.190	158.440	160.470
91	155.020	153.720	155.630	153.390	153.610	149.860	149.640	147.650	147.160	148.940
92	144.240	143.290	144.910	142.680	143.040	139.740	139.260	137.650	137.030	138.510

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

93	134.290	133.270	135.130	133.100	133.350	130.390	129.830	128.330	127.750	128.870
94	125.270	124.570	126.260	124.510	124.610	121.790	121.190	119.780	119.290	120.430
95	117.010	116.450	117.990	116.470	116.570	114.020	107.340	110.900	111.580	112.250
96	109.560	109.050	110.500	108.940	109.150	106.860	67.460	74.580	93.320	93.530
97	102.620	102.240	103.540	102.230	102.360	95.830	43.420	37.590	62.660	74.810
98	96.330	95.980	97.160	96.070	96.050	79.580	21.250	0.600	31.930	56.090
99	90.100	90.100	91.270	90.180	88.960	63.270	22.210	10.410	1.190	37.370
100	81.550	84.120	85.760	83.860	79.000	46.960	35.490	52.030	23.600	20.440
101	70.280	78.130	80.670	77.530	67.200	35.740	41.930	66.660	46.780	61.300
102	57.970	72.150	75.650	71.200	55.670	23.720	46.940	62.700	69.960	62.640
103	46.950	63.760	69.670	62.700	45.430	17.770	51.610	58.820	66.530	58.660
104	34.910	53.620	61.420	52.760	33.790	19.170	58.120	55.130	62.620	54.930
105	22.870	40.920	50.660	40.290	22.140	22.750	60.710	51.690	58.780	51.520
106	10.930	26.840	37.160	25.900	10.760	24.840	57.200	48.350	55.230	48.220
107	10.050	13.910	25.820	13.080	10.570	26.810	53.730	45.250	51.890	45.170
108	9.220	10.280	14.490	9.870	10.410	28.590	50.430	42.330	48.690	42.200
109	12.020	6.780	3.190	6.730	12.340	30.460	47.260	39.550	45.630	39.510
110	14.620	3.290	0.540	3.590	13.820	35.280	44.290	36.900	42.680	36.850
111	16.590	4.990	1.290	4.930	15.270	39.470	41.390	34.350	39.970	34.290
112	18.090	6.630	2.540	6.200	16.570	38.760	38.720	31.960	37.310	31.950
113	19.370	8.310	4.200	7.520	17.710	36.130	36.090	29.670	34.800	29.650
114	20.940	9.860	6.430	8.850	19.170	33.640	33.650	27.540	32.470	27.540
115	23.620	11.290	8.870	10.080	22.240	31.220	31.310	25.490	30.200	25.500
116	25.020	12.800	10.570	11.630	24.180	28.920	29.040	23.550	28.030	23.580
117	23.890	14.860	11.460	14.120	23.250	26.760	26.920	21.730	25.990	21.770
118	22.050	16.160	12.360	15.650	21.430	24.700	24.880	20.000	24.100	20.130
119	20.400	15.740	12.890	15.270	19.800	22.730	22.980	18.340	22.260	18.490
120	18.760	14.500	12.690	14.050	18.180	20.900	21.160	16.850	20.550	16.850
121	17.110	13.260	11.780	12.900	16.560	19.160	19.530	15.370	18.940	15.420
122	15.710	12.140	10.730	11.810	15.140	17.540	17.910	14.030	17.400	14.060
123	14.360	11.070	9.710	10.760	13.820	15.970	16.280	12.720	15.970	12.780
124	13.130	10.080	8.770	9.800	12.550	14.570	14.850	11.530	14.580	11.570
125	11.930	9.150	7.880	8.890	11.370	13.200	13.480	10.380	13.290	10.450
126	10.810	8.290	7.060	8.030	10.280	11.940	12.200	8.340	12.060	9.380
127	9.730	7.450	6.290	7.240	9.240	10.770	10.990	6.280	9.520	7.720
128	8.740	6.670	5.580	6.490	8.270	9.670	9.850	4.220	5.670	5.090
129	7.810	5.930	4.920	5.790	7.380	8.660	8.780	6.180	1.790	5.160
130	6.920	5.270	4.300	5.140	6.560	7.660	7.770	5.590	5.790	5.390
131	6.100	4.620	3.730	4.520	5.790	6.760	6.820	4.890	5.300	4.620
132	5.360	4.030	3.200	3.970	5.060	5.920	5.950	4.260	4.600	3.960
133	4.680	3.470	2.710	3.440	4.410	5.120	5.140	3.680	3.940	3.370
134	4.030	2.960	2.250	2.970	3.780	4.390	4.400	3.140	3.340	2.840
135	3.410	2.500	1.860	2.530	3.210	3.700	3.710	2.630	2.780	2.370
136	2.870	2.080	1.510	2.120	2.690	3.080	3.090	2.170	2.250	1.960
137	2.360	1.690	1.200	1.760	2.210	2.490	2.550	1.770	1.780	1.640
138	1.930	1.340	0.930	1.420	1.800	1.950	2.040	1.430	1.360	1.360
139	1.530	1.030	0.710	1.110	1.440	1.470	1.600	1.150	0.970	1.140
140	1.170	0.740	0.530	0.820	1.100	1.070	1.180	0.890	0.640	0.930
141	0.840	0.490	0.390	0.560	0.800	0.770	0.830	0.640	0.400	0.720
142	0.560	0.290	0.310	0.350	0.550	0.530	0.520	0.410	0.230	0.510
143	0.330	0.160	0.240	0.200	0.350	0.350	0.300	0.220	0.120	0.300
144	0.180	0.110	0.180	0.110	0.210	0.220	0.160	0.090	0.070	0.110
145	0.110	0.100	0.130	0.090	0.120	0.130	0.090	0.070	0.050	0.050
146	0.090	0.100	0.100	0.090	0.080	0.090	0.080	0.070	0.050	0.050
147	0.090	0.100	0.100	0.090	0.080	0.080	0.080	0.070	0.050	0.050
148	0.090	0.100	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED60DMVXX40.IES**

**CANDELA TABULATION - (Cont.)**

149	0.090	0.100	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
150	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
151	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
152	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
153	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
154	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
155	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
156	0.090	0.090	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
157	0.090	0.090	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
158	0.090	0.090	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
159	0.090	0.090	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
160	0.090	0.080	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
161	0.090	0.090	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
162	0.090	0.090	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
163	0.090	0.090	0.080	0.080	0.080	0.080	0.080	0.070	0.050	0.050
164	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
165	0.090	0.090	0.090	0.080	0.080	0.080	0.080	0.070	0.050	0.050
166	0.090	0.090	0.090	0.090	0.080	0.080	0.080	0.070	0.050	0.050
167	0.080	0.090	0.090	0.080	0.080	0.080	0.070	0.070	0.040	0.050
168	0.080	0.080	0.080	0.080	0.080	0.080	0.070	0.070	0.040	0.050
169	0.080	0.080	0.080	0.080	0.080	0.080	0.070	0.070	0.040	0.050
170	0.080	0.080	0.080	0.080	0.080	0.080	0.070	0.070	0.040	0.050
171	0.080	0.080	0.080	0.080	0.080	0.070	0.070	0.070	0.040	0.040
172	0.080	0.080	0.080	0.080	0.080	0.070	0.070	0.070	0.040	0.040
173	0.080	0.080	0.080	0.070	0.070	0.070	0.070	0.060	0.040	0.040
174	0.070	0.070	0.070	0.070	0.070	0.070	0.060	0.060	0.030	0.030
175	0.070	0.070	0.070	0.070	0.060	0.060	0.060	0.060	0.030	0.030
176	0.070	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.030	0.030
177	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.050	0.040	0.040
178	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.050	0.050	0.050
179	0.060	0.060	0.060	0.050	0.050	0.050	0.050	0.050	0.060	0.060
180	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050

**Vert. Horizontal Angles**

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	1002.779	1002.779	1002.779	1002.779	1002.779
1	1002.950	1001.840	1001.960	1001.680	1001.820
2	1002.760	1003.150	1002.650	1002.860	1002.400
3	1003.360	1003.110	1002.320	1002.660	1001.800
4	1003.970	1003.300	1002.720	1002.600	1002.400
5	1004.890	1004.200	1002.670	1002.990	1002.940
6	1005.920	1005.230	1003.650	1003.470	1004.220
7	1006.560	1004.810	1004.710	1004.010	1004.880
8	1007.810	1006.000	1005.340	1004.700	1005.800
9	1008.860	1007.830	1006.230	1006.630	1007.490
10	1010.710	1008.280	1007.350	1007.920	1008.800
11	1012.590	1009.940	1008.310	1008.700	1009.830
12	1014.590	1011.720	1010.550	1010.650	1012.640
13	1018.080	1014.170	1013.510	1013.680	1015.760
14	1021.570	1018.100	1016.560	1017.740	1018.460
15	1025.810	1022.530	1021.290	1021.590	1023.010
16	1031.540	1027.980	1026.570	1024.850	1028.220
17	1037.960	1034.250	1033.010	1032.720	1032.940
18	1046.400	1041.120	1040.260	1039.010	1040.770
19	1052.600	1049.750	1047.400	1045.410	1047.490

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

20	1060.860	1056.970	1054.570	1053.430	1055.150
21	1069.250	1064.070	1062.440	1061.580	1064.050
22	1076.950	1074.450	1071.860	1069.790	1072.490
23	1087.640	1083.460	1080.200	1079.010	1083.440
24	1098.070	1092.720	1091.340	1089.920	1092.320
25	1110.890	1103.650	1102.890	1100.300	1104.850
26	1122.290	1115.190	1115.550	1113.550	1115.750
27	1134.550	1126.690	1127.540	1126.060	1129.530
28	1146.520	1140.180	1140.900	1138.930	1142.820
29	1161.960	1154.100	1153.600	1152.010	1156.330
30	1174.420	1168.310	1169.160	1165.260	1169.480
31	1189.900	1183.300	1184.050	1180.890	1185.790
32	1204.710	1197.080	1198.860	1195.990	1200.360
33	1220.100	1212.120	1212.160	1211.920	1215.000
34	1232.750	1226.280	1227.640	1226.860	1229.450
35	1249.010	1240.410	1243.180	1241.690	1244.590
36	1263.640	1256.830	1259.030	1257.380	1261.270
37	1277.850	1271.800	1273.620	1273.850	1276.790
38	1293.740	1287.810	1290.210	1288.690	1291.970
39	1310.230	1303.820	1306.120	1304.450	1308.840
40	1326.410	1318.690	1322.960	1322.320	1324.160
41	1340.880	1334.880	1339.410	1339.210	1342.290
42	1357.680	1351.680	1355.700	1355.100	1358.820
43	1372.430	1366.070	1372.120	1372.360	1376.160
44	1388.940	1381.310	1388.900	1390.990	1393.150
45	1404.620	1395.600	1404.390	1407.180	1411.310
46	1419.790	1412.490	1421.620	1424.230	1428.160
47	1435.840	1426.870	1438.010	1441.140	1447.130
48	1451.510	1440.870	1455.210	1458.280	1464.350
49	1464.400	1453.900	1468.750	1475.570	1481.560
50	1477.830	1466.990	1483.770	1491.000	1498.430
51	1488.590	1478.120	1497.100	1508.120	1515.760
52	1499.620	1488.150	1510.440	1522.730	1529.230
53	1507.350	1496.700	1520.780	1537.160	1543.990
54	1514.160	1503.900	1528.120	1547.310	1555.590
55	1518.800	1508.390	1534.780	1554.320	1564.780
56	1519.410	1509.580	1536.640	1561.270	1570.840
57	1516.080	1505.560	1535.300	1561.530	1572.420
58	1509.520	1499.230	1530.220	1559.530	1568.340
59	1498.910	1487.620	1518.380	1551.410	1559.330
60	1483.570	1471.490	1504.520	1540.260	1547.200
61	1464.930	1450.410	1484.120	1523.050	1528.620
62	1440.260	1425.800	1460.080	1498.450	1503.090
63	1410.800	1396.060	1428.050	1467.770	1474.120
64	1376.580	1361.570	1392.620	1433.350	1436.510
65	1337.180	1322.420	1349.710	1392.410	1392.810
66	1293.720	1276.420	1302.460	1344.630	1342.620
67	1243.310	1227.250	1250.850	1290.060	1288.630
68	1189.630	1174.410	1193.100	1231.190	1228.480
69	1131.640	1118.390	1133.340	1169.870	1164.990
70	1071.620	1058.450	1071.500	1104.020	1100.380
71	1010.770	998.700	1007.240	1037.040	1032.690
72	948.250	938.340	944.570	971.020	966.960
73	886.040	877.450	882.640	906.980	901.190
74	827.200	820.340	823.200	845.530	839.520
75	768.890	763.100	765.420	784.470	780.140

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

76	714.630	709.910	711.050	728.910	723.490
77	663.070	659.640	658.800	675.720	669.990
78	614.010	611.170	610.360	624.760	619.300
79	567.880	565.950	564.230	577.320	571.540
80	523.260	523.090	520.310	531.880	526.150
81	482.210	482.190	479.770	489.850	484.800
82	442.790	443.250	440.270	448.860	443.960
83	405.080	406.390	402.750	411.260	405.590
84	367.310	369.120	365.230	372.170	366.340
85	326.840	331.040	326.270	332.850	324.380
86	281.270	287.450	282.510	289.140	279.730
87	240.330	246.120	242.230	248.200	241.150
88	208.130	213.390	210.090	219.790	209.850
89	176.370	180.890	178.800	191.380	180.090
90	159.920	161.790	161.140	163.380	163.090
91	148.200	150.150	149.570	151.680	151.310
92	137.690	139.590	139.040	141.200	140.860
93	128.240	129.840	129.570	131.430	131.240
94	119.640	121.190	120.930	122.730	122.650
95	111.770	113.030	112.940	114.620	114.680
96	91.340	105.690	105.750	107.290	107.280
97	68.000	99.020	99.000	100.610	100.580
98	44.640	90.820	92.900	94.370	94.320
99	21.280	76.980	86.320	88.690	88.320
100	25.210	61.070	79.720	83.270	83.240
101	31.430	47.860	73.120	78.350	78.160
102	37.490	36.760	63.360	73.530	73.560
103	43.660	27.450	53.180	67.810	69.070
104	49.270	18.580	43.700	60.980	63.870
105	54.820	15.190	34.120	52.900	57.100
106	55.310	17.760	22.780	43.570	48.240
107	51.860	20.800	12.540	32.280	37.340
108	48.660	23.620	11.530	21.000	25.040
109	45.580	25.280	10.790	9.780	13.580
110	42.690	26.640	10.060	3.830	9.230
111	39.940	28.700	11.850	2.060	5.050
112	37.300	31.820	13.350	2.640	0.870
113	34.800	33.480	14.530	3.960	1.640
114	32.410	32.740	15.150	5.790	2.770
115	30.100	30.480	16.050	7.330	4.280
116	28.000	28.280	17.710	8.430	6.170
117	25.920	26.150	19.390	9.440	8.230
118	24.030	24.210	21.070	10.850	9.720
119	22.180	22.350	19.390	13.190	9.890
120	20.440	20.680	17.740	14.650	9.680
121	18.810	19.010	16.280	14.280	10.030
122	17.250	17.350	14.940	12.880	10.270
123	15.800	15.890	13.670	11.710	9.490
124	14.410	14.520	12.460	10.640	8.600
125	13.110	13.240	11.350	9.650	7.740
126	11.870	12.010	10.280	8.710	6.940
127	10.720	10.860	9.320	7.820	6.180
128	9.610	9.800	8.360	7.000	5.490
129	8.630	8.790	7.400	6.200	4.830
130	7.660	7.840	6.540	5.450	4.220
131	6.770	6.950	5.790	4.770	3.660

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

132	5.940	6.120	5.060	4.130	3.120
133	5.150	5.330	4.420	3.540	2.640
134	4.420	4.590	3.780	3.000	2.180
135	3.740	3.910	3.220	2.510	1.790
136	3.110	3.280	2.680	2.070	1.440
137	2.540	2.690	2.190	1.660	1.140
138	2.050	2.140	1.770	1.300	0.890
139	1.620	1.630	1.390	0.970	0.690
140	1.220	1.180	1.030	0.670	0.530
141	0.870	0.810	0.710	0.420	0.410
142	0.570	0.540	0.450	0.230	0.310
143	0.340	0.340	0.250	0.130	0.220
144	0.180	0.190	0.120	0.090	0.150
145	0.090	0.100	0.080	0.080	0.100
146	0.060	0.070	0.080	0.080	0.080
147	0.060	0.070	0.080	0.070	0.070
148	0.060	0.070	0.070	0.060	0.070
149	0.060	0.070	0.070	0.060	0.070
150	0.060	0.070	0.070	0.060	0.070
151	0.060	0.070	0.070	0.060	0.070
152	0.060	0.060	0.070	0.060	0.060
153	0.060	0.060	0.070	0.060	0.070
154	0.050	0.060	0.060	0.060	0.070
155	0.050	0.060	0.060	0.060	0.070
156	0.050	0.060	0.060	0.060	0.070
157	0.060	0.050	0.060	0.060	0.070
158	0.050	0.050	0.060	0.060	0.060
159	0.050	0.050	0.060	0.060	0.060
160	0.050	0.050	0.060	0.060	0.060
161	0.050	0.050	0.060	0.060	0.060
162	0.050	0.050	0.060	0.060	0.060
163	0.050	0.050	0.060	0.060	0.060
164	0.050	0.050	0.060	0.060	0.060
165	0.050	0.050	0.060	0.060	0.060
166	0.050	0.050	0.050	0.050	0.060
167	0.050	0.050	0.050	0.050	0.060
168	0.050	0.050	0.050	0.050	0.060
169	0.050	0.050	0.050	0.050	0.060
170	0.050	0.050	0.050	0.050	0.050
171	0.050	0.050	0.050	0.050	0.050
172	0.050	0.050	0.050	0.050	0.050
173	0.050	0.050	0.050	0.040	0.050
174	0.040	0.040	0.040	0.040	0.050
175	0.040	0.040	0.040	0.040	0.040
176	0.030	0.030	0.040	0.040	0.040
177	0.040	0.040	0.040	0.040	0.040
178	0.050	0.050	0.040	0.050	0.040
179	0.060	0.060	0.050	0.050	0.050
180	0.050	0.050	0.050	0.050	0.050

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED60DMVXX40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	394.22	5.60	5.60
0-30	922.87	13.10	13.10
0-40	1733.39	24.70	24.70
0-60	4269.47	60.80	60.80
0-80	6463.27	92.10	92.10
0-90	6821.51	97.20	97.20
10-90	6724.68	95.80	95.80
20-40	1339.17	19.10	19.10
20-50	2466.23	35.10	35.10
40-70	3892.45	55.40	55.40
60-80	2193.8	31.20	31.20
70-80	837.43	11.90	11.90
80-90	358.24	5.10	5.10
90-110	163.96	2.30	2.30
90-120	186.35	2.70	2.70
90-130	196.94	2.80	2.80
90-150	199.73	2.80	2.80
90-180	199.78	2.80	2.80
110-180	35.83	0.50	0.50
0-180	7021.29	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	96.83
10-20	297.39
20-30	528.66
30-40	810.51
40-50	1127.06
50-60	1409.03
60-70	1356.37
70-80	837.43
80-90	358.24
90-100	118.05
100-110	45.90
110-120	22.39
120-130	10.59
130-140	2.62
140-150	0.17
150-160	0.03
160-170	0.02
170-180	0.01

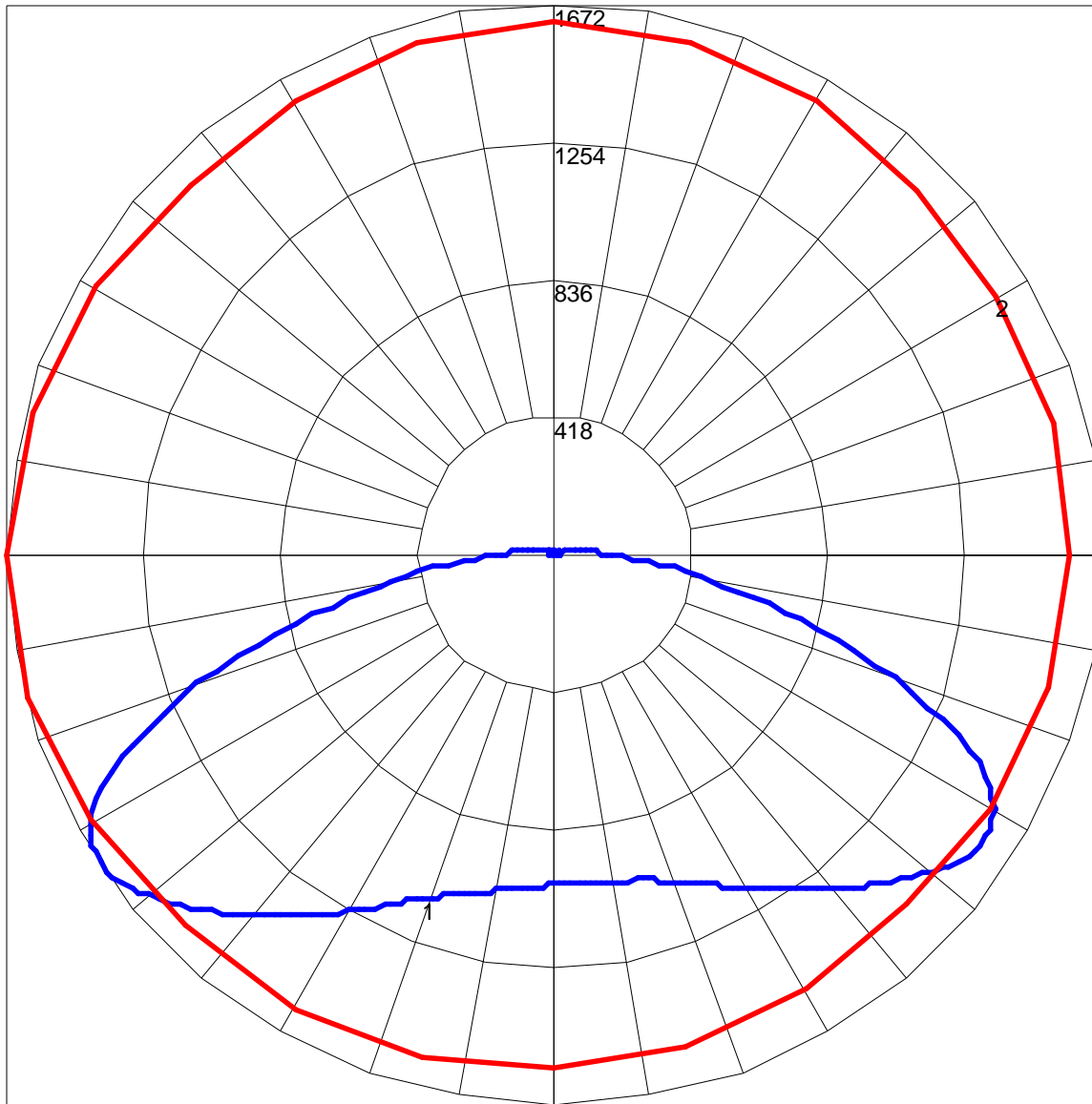
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CPYRA12PG-LED60DMVXX40.IES**

**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	99	99	99	97
1	105	99	93	88	102	96	91	86	91	87	83	87	83	80	82	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	53	80	68	59	52	65	57	51	61	55	49	58	53	48	45
4	75	61	50	42	72	59	49	42	56	47	41	53	46	40	50	44	39	36
5	68	53	42	35	65	51	42	34	49	40	34	46	39	33	44	38	32	30
6	62	47	36	29	60	45	36	29	43	35	28	41	34	28	39	32	27	25
7	57	42	32	25	55	41	31	25	39	30	24	37	29	24	35	28	23	21
8	53	37	28	21	51	37	28	21	35	27	21	33	26	21	32	25	20	18
9	49	34	25	19	47	33	24	19	32	24	18	30	23	18	29	23	18	16
10	46	31	22	17	44	30	22	16	29	21	16	28	21	16	27	20	16	14

POLAR GRAPH



Maximum Candela = 1671.63 Located At Horizontal Angle = 180, Vertical Angle = 56  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (56) (Through Max. Cd.)