



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 2017-5-17 19:02
 [MANUFAC] Mobern Lighting Co.
 [LUMCAT]
 [LUMINAIRE] CPYRA12-LED30DMVxx40
 [LAMPCAT] L130-4070-Qμμ
 [LAMP] DIM35W12S-780
 [VOLTAGE] 119.8 V
 [CURRENT] 0.245 A
 [POWERFACTOR] 0.995
 [TESTLAB]
 [TESTINST] GPM-1800B
 [TESTDIST] 11.672 m

CHARACTERISTICS

Lumens Per Lamp	3852.9 (1 lamp)
Total Lamp Lumens	3852.9
Luminaire Lumens	3853
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	29.23
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

CANDELA TABULATION

	<u>0</u>	<u>30</u>	<u>60</u>	<u>90</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>210</u>	<u>240</u>	<u>270</u>
0	1066.822	1066.822	1066.822	1066.822	1066.822	1066.822	1066.822	1066.822	1066.822	1066.822
1	1066.850	1066.780	1066.480	1066.830	1066.020	1066.830	1068.090	1067.760	1068.110	1067.580
2	1067.480	1066.600	1066.130	1066.850	1066.250	1068.040	1068.950	1068.880	1069.300	1068.760
3	1067.760	1066.500	1065.970	1067.040	1066.760	1068.390	1069.090	1069.440	1069.490	1069.490
4	1068.160	1066.600	1066.130	1067.340	1066.990	1068.320	1068.480	1069.860	1069.180	1069.700
5	1068.230	1067.060	1066.150	1066.200	1066.480	1067.580	1067.270	1068.320	1067.620	1068.830
6	1067.670	1066.760	1065.920	1065.570	1065.080	1066.020	1065.150	1066.250	1065.670	1067.580
7	1066.390	1065.270	1065.180	1063.780	1063.340	1063.780	1063.500	1063.500	1064.200	1065.710
8	1063.380	1063.310	1062.470	1061.190	1060.400	1059.770	1060.820	1060.820	1061.610	1063.430
9	1061.400	1060.750	1059.960	1058.440	1057.510	1056.840	1057.950	1057.070	1058.930	1060.700
10	1059.400	1057.740	1057.190	1055.000	1054.550	1053.920	1055.040	1054.370	1056.230	1058.210
11	1056.600	1054.320	1053.920	1052.290	1050.920	1050.960	1052.670	1052.060	1053.710	1055.270
12	1054.370	1051.340	1051.200	1048.940	1048.120	1048.910	1050.410	1049.850	1051.340	1052.460
13	1051.010	1048.240	1047.660	1045.680	1045.490	1046.400	1046.790	1047.940	1048.150	1050.430
14	1047.520	1045.370	1044.300	1042.600	1043.020	1044.120	1044.440	1045.630	1045.930	1047.000
15	1044.370	1042.300	1041.410	1040.010	1040.620	1041.510	1041.690	1043.320	1043.510	1044.440
16	1041.270	1039.340	1038.340	1036.520	1038.010	1038.620	1038.690	1041.020	1040.690	1041.480
17	1037.380	1036.940	1035.170	1033.370	1034.820	1034.560	1036.050	1038.060	1037.780	1037.750
18	1033.860	1033.720	1030.530	1029.760	1031.910	1031.350	1033.000	1035.560	1034.490	1034.910
19	1029.550	1030.160	1026.640	1026.080	1028.760	1028.390	1029.970	1032.610	1031.600	1031.650
20	1024.850	1026.640	1022.540	1021.420	1025.570	1025.380	1027.010	1029.320	1028.670	1028.300
21	1019.650	1021.190	1018.530	1017.970	1022.400	1021.590	1023.610	1025.710	1025.080	1025.310
22	1015.230	1017.180	1014.670	1014.500	1018.910	1018.020	1019.400	1020.540	1021.280	1021.730
23	1010.960	1012.850	1010.800	1010.400	1014.990	1014.150	1014.990	1016.110	1017.110	1016.480
24	1006.510	1008.490	1006.350	1006.680	1009.420	1009.770	1010.450	1011.400	1012.450	1012.100
25	1002.090	1003.580	1001.600	1001.760	1004.650	1005.700	1005.600	1006.260	1007.560	1006.840
26	996.800	998.080	996.380	996.280	999.380	1000.710	999.640	1001.010	1001.640	1001.480
27	991.020	992.110	990.860	990.810	994.160	995.750	994.440	996.100	996.870	996.470
28	984.680	985.890	984.920	985.130	988.640	990.690	989.300	990.790	992.140	990.600
29	978.370	979.300	978.790	978.040	982.940	985.520	984.080	985.310	987.620	985.330
30	970.400	971.890	971.520	972.310	977.370	978.370	978.880	979.670	982.400	979.930
31	963.970	965.370	965.670	966.770	971.710	972.820	972.680	972.730	977.110	974.220
32	957.800	958.780	959.610	960.870	965.670	966.840	966.320	966.510	971.220	967.700
33	951.830	951.060	953.320	954.580	959.310	960.410	959.190	959.540	964.510	960.640
34	945.170	944.120	947.080	947.920	951.340	953.180	949.900	952.390	955.790	952.810
35	938.340	936.850	939.790	940.560	943.960	945.710	941.560	943.750	947.940	942.610
36	930.770	929.560	932.010	932.800	935.870	937.620	932.680	935.240	939.270	933.940
37	922.520	921.520	923.670	923.690	927.460	928.980	923.530	926.810	930.470	924.430
38	912.740	913.230	913.230	914.420	917.610	919.190	914.110	918.070	920.570	915.000
39	903.400	904.400	903.860	905.050	908.730	910.150	904.400	909.200	911.340	905.450
40	893.590	895.220	894.220	895.150	899.370	900.810	894.570	899.830	901.930	895.360
41	883.290	885.920	884.480	883.550	890.120	891.120	884.500	890.700	892.400	885.290
42	873.090	876.210	874.320	873.250	880.380	880.980	872.920	881.380	881.290	874.790
43	860.900	864.510	863.740	862.420	870.220	870.730	861.880	870.080	870.660	862.630
44	849.880	854.520	851.910	851.300	860.460	857.780	850.440	859.920	859.620	851.300
45	838.540	844.640	840.700	839.790	850.110	846.430	838.700	849.620	848.020	839.650
46	826.790	833.480	829.100	827.050	837.700	834.830	826.510	839.190	836.020	827.590
47	814.070	822.440	816.430	814.560	826.470	822.810	812.600	828.330	821.710	815.330
48	801.310	811.280	804.190	801.910	815.240	810.530	800.140	816.610	808.950	800.860
49	788.030	799.530	791.220	788.420	803.520	797.650	787.000	804.990	795.600	787.680
50	774.190	787.750	777.610	772.370	791.010	784.060	773.300	793.010	781.620	773.630
51	757.830	774.440	761.420	757.950	777.290	767.760	758.160	779.680	765.870	759.110
52	742.850	761.630	746.790	742.730	763.680	753.010	743.480	764.240	750.420	743.320
53	727.450	748.260	731.640	727.360	749.350	737.450	728.360	749.560	734.420	727.890

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

CANDELA TABULATION - (Cont.)

54	711.520	734.090	715.940	711.470	734.180	721.790	712.310	734.090	717.810	711.660
55	695.160	716.830	699.910	693.740	718.360	705.340	694.040	716.200	698.210	694.900
56	676.960	700.800	681.930	676.990	699.700	686.940	677.030	698.930	680.060	677.060
57	659.680	684.000	664.730	659.720	682.490	669.110	659.560	680.580	661.560	656.580
58	641.830	666.950	647.000	642.040	664.900	651.200	641.320	662.120	642.810	638.500
59	623.710	647.870	629.270	622.540	644.160	632.960	621.140	642.550	621.660	619.490
60	603.390	629.130	608.560	604.160	624.920	612.380	602.340	621.540	602.300	599.080
61	584.290	609.380	589.620	585.190	605.350	593.000	583.260	601.430	582.280	579.790
62	564.950	589.480	570.210	563.740	585.450	573.030	563.780	580.810	562.220	560.290
63	543.350	567.020	548.760	544.660	563.550	550.690	542.350	560.060	540.390	540.720
64	523.600	546.540	529.020	525.110	542.720	530.510	522.480	536.390	520.100	519.010
65	503.790	525.880	509.100	505.380	521.940	510.150	502.650	515.250	500.020	498.950
66	483.830	505.170	489.320	483.970	500.880	489.740	482.400	493.870	479.490	478.930
67	463.980	484.480	469.400	464.190	479.870	469.220	459.620	470.850	456.640	458.730
68	442.540	461.760	447.710	444.500	456.730	447.340	439.190	449.160	435.970	436.270
69	422.650	440.700	427.650	424.790	436.020	427.030	418.760	427.840	415.540	416.380
70	403.010	420.360	407.990	402.730	415.540	406.990	398.840	407.130	395.410	396.340
71	383.250	398.020	388.330	383.200	393.270	386.860	376.940	384.270	374.020	376.700
72	361.950	377.800	366.780	363.960	373.390	364.940	357.230	363.940	354.570	355.620
73	342.920	357.950	347.560	344.990	353.590	345.510	337.820	343.880	335.490	336.580
74	324.050	338.210	328.640	326.240	334.110	326.520	318.850	324.280	314.890	317.970
75	305.970	316.730	310.560	306.370	313.170	307.860	298.030	305.130	296.630	299.540
76	286.590	297.930	290.970	288.500	294.760	287.870	279.850	284.540	279.080	279.990
77	269.320	279.850	273.730	271.190	276.940	270.210	262.500	267.060	262.260	263.010
78	252.900	262.610	257.140	254.810	259.650	253.430	245.820	249.660	245.930	246.510
79	237.030	244.460	241.090	237.130	243.210	236.800	228.160	231.720	228.440	230.830
80	220.580	228.370	223.960	221.910	225.360	219.880	212.450	215.530	213.110	214.130
81	206.070	213.040	208.910	206.880	209.890	204.390	197.190	200.290	198.310	199.430
82	191.970	198.190	194.090	192.390	194.630	189.410	182.470	185.150	184.050	185.290
83	178.460	183.890	180.020	176.570	179.280	174.130	165.900	167.980	168.370	171.290
84	163.740	168.370	164.810	162.360	162.340	156.790	149.900	151.970	153.580	156.000
85	150.340	154.090	150.480	146.890	145.080	139.130	132.330	134.480	137.460	140.510
86	135.970	138.460	134.450	128.980	126.970	122.410	116.700	118.330	122.080	124.880
87	120.820	120.430	118.940	113.650	110.850	107.330	100.760	102.530	106.450	110.830
88	105.680	105.170	103.260	99.410	95.150	91.960	86.620	88.510	93.660	96.570
89	92.870	91.630	89.910	85.830	79.610	76.770	73.990	74.650	79.630	82.990
90	79.960	77.720	75.600	72.340	70.030	70.430	69.170	69.820	72.550	73.180
91	69.310	67.330	68.290	67.030	65.890	66.000	65.000	65.210	67.820	68.290
92	64.880	63.090	63.740	63.140	61.300	61.760	61.060	61.180	63.390	64.350
93	61.250	59.390	59.920	59.460	57.730	58.030	57.480	57.480	58.940	60.020
94	57.730	55.910	56.570	56.030	54.280	54.590	54.190	53.700	54.400	56.290
95	54.540	52.490	53.210	52.300	50.700	51.650	50.840	50.350	50.420	52.630
96	51.280	49.460	50.020	49.320	47.740	48.460	48.020	46.990	46.690	48.760
97	48.530	46.710	47.040	46.430	45.010	45.550	45.270	44.220	43.450	45.570
98	46.040	44.240	44.310	43.820	42.380	43.120	42.570	41.610	39.930	42.800
99	43.660	41.800	41.890	41.240	39.980	40.580	40.240	39.070	37.140	39.910
100	41.470	39.490	39.470	39.070	37.440	38.390	38.160	36.900	34.360	37.370
101	39.210	37.440	37.140	36.760	35.410	36.020	36.320	34.780	31.940	35.270
102	37.300	35.510	35.250	34.950	33.570	34.320	34.390	32.780	29.700	33.220
103	35.720	33.740	33.340	32.940	31.690	32.360	32.550	30.960	27.510	31.010
104	33.900	32.030	31.690	31.100	29.840	30.780	30.960	29.520	25.670	29.080
105	32.200	30.400	29.820	29.430	28.190	29.220	29.500	28.070	23.900	27.400
106	30.640	28.980	28.170	27.980	26.700	27.720	27.840	26.560	22.270	25.700
107	29.360	27.700	26.890	26.650	25.320	26.400	26.650	25.390	20.970	24.020
108	27.930	26.330	25.510	25.140	23.810	25.300	25.510	24.390	19.900	22.690
109	26.720	25.140	24.230	23.930	22.650	23.950	24.210	23.410	18.480	21.320

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

CANDELA TABULATION - (Cont.)

110	25.600	24.140	23.160	22.860	21.530	22.720	23.160	22.230	17.380	20.010
111	24.530	23.040	22.020	21.690	20.430	21.780	22.110	21.390	16.470	18.730
112	23.460	22.060	21.040	19.380	19.620	20.900	21.220	20.480	15.770	17.520
113	22.530	21.060	20.130	17.990	18.360	20.150	20.220	19.520	14.930	16.120
114	21.600	20.150	19.130	17.030	17.640	19.130	19.340	18.800	14.300	15.260
115	20.620	19.360	18.410	16.220	16.890	18.340	18.520	18.170	13.700	14.440
116	19.850	18.660	17.610	15.420	16.050	17.780	17.730	17.290	13.280	13.610
117	19.030	17.960	16.840	14.980	15.380	17.100	17.030	16.590	13.020	13.300
118	18.340	17.380	16.030	14.370	14.630	16.400	16.240	15.940	12.600	12.630
119	17.570	16.840	15.140	14.030	14.190	15.870	15.610	15.470	12.090	12.250
120	16.940	16.220	14.490	13.160	13.540	15.260	15.050	14.720	11.670	11.740
121	16.360	15.450	13.840	12.600	12.840	14.750	14.470	14.120	11.440	11.560
122	15.750	15.030	13.400	12.020	12.320	14.120	14.050	13.750	11.230	11.070
123	15.100	14.560	12.770	11.740	12.040	13.720	13.420	13.230	10.720	10.790
124	14.580	14.260	12.390	11.160	11.490	13.280	12.930	12.860	10.530	10.410
125	14.170	13.700	11.950	10.760	11.090	12.770	12.670	12.460	10.440	9.990
126	13.650	13.160	11.420	10.250	10.880	12.370	12.070	12.250	10.180	9.810
127	13.210	13.000	11.020	9.880	10.480	12.020	11.740	11.670	9.920	9.530
128	12.840	12.490	10.600	9.580	10.230	11.670	11.230	11.280	9.790	9.410
129	12.370	12.180	10.480	9.250	9.880	11.390	10.530	11.070	9.550	9.160
130	12.090	11.720	10.230	8.950	9.670	11.040	10.040	10.550	9.480	8.970
131	11.250	11.490	9.990	8.620	9.580	10.670	9.530	10.370	9.130	8.830
132	10.600	11.250	9.810	8.250	9.320	10.320	9.250	10.130	9.090	8.670
133	10.160	11.040	9.510	8.220	9.060	10.180	8.990	9.810	8.990	8.500
134	9.920	10.530	9.370	8.200	9.020	9.810	8.850	9.600	8.970	8.390
135	9.760	10.440	9.250	8.080	9.020	9.830	8.740	9.440	8.760	8.250
136	9.600	10.200	9.270	8.180	8.850	9.440	8.620	9.200	8.600	8.180
137	9.370	9.900	9.090	8.060	8.670	9.180	8.410	8.990	8.640	8.130
138	9.180	9.690	9.090	7.970	8.640	9.130	8.360	8.880	8.530	7.920
139	9.160	9.390	8.970	7.800	8.500	9.020	8.250	8.780	8.460	8.010
140	8.900	9.180	8.690	7.760	8.460	8.900	8.270	8.570	8.430	7.830
141	8.690	8.880	8.740	7.730	8.410	8.690	8.130	8.460	8.200	7.830
142	8.640	8.810	8.760	7.730	8.250	8.600	8.200	8.500	8.130	7.830
143	8.600	8.600	8.530	7.940	8.270	8.530	8.130	8.270	8.060	7.850
144	8.430	8.550	8.530	7.920	8.200	8.690	8.290	8.360	8.040	7.940
145	8.390	8.460	8.500	7.970	8.220	8.480	8.150	8.390	8.080	8.040
146	8.390	8.480	8.320	8.290	8.180	8.180	8.270	8.390	8.180	8.130
147	8.410	8.390	8.250	8.220	8.390	8.290	8.360	8.320	8.180	8.220
148	8.530	8.430	8.110	8.270	8.270	8.390	8.460	8.460	8.320	8.320
149	8.530	8.480	8.220	8.500	8.250	8.270	8.570	8.600	8.340	8.250
150	8.500	8.270	8.250	8.410	8.410	8.570	8.600	8.480	8.270	8.360
151	8.600	8.340	8.460	8.390	8.390	8.640	8.760	8.570	8.390	8.620
152	8.550	8.320	8.550	8.530	8.500	8.740	8.780	8.530	8.570	8.530
153	8.690	8.430	8.600	8.570	8.600	8.710	8.880	8.740	8.760	8.670
154	8.710	8.740	8.780	8.620	8.760	8.780	9.020	8.760	8.690	8.710
155	8.760	8.780	8.810	8.670	8.880	8.900	9.090	8.780	8.880	8.760
156	8.990	8.920	8.850	8.710	8.990	9.060	8.990	8.830	8.880	8.920
157	9.040	8.950	8.970	8.830	9.060	9.160	9.060	9.180	8.880	8.810
158	9.110	8.950	9.130	8.970	9.110	9.270	9.340	9.110	8.990	8.990
159	9.020	9.180	9.180	8.900	9.200	9.160	9.300	9.250	9.090	8.990
160	8.990	9.110	9.180	9.110	9.230	9.300	9.460	9.180	9.160	9.090
161	9.060	9.160	9.340	9.160	9.200	9.440	9.530	9.250	9.180	9.370
162	9.160	9.300	9.480	9.250	9.110	9.460	9.480	9.440	9.130	9.250
163	9.020	9.300	9.410	9.250	9.300	9.620	9.650	9.460	9.090	9.270
164	9.180	9.340	9.510	9.300	9.320	9.510	9.480	9.320	9.410	9.200
165	9.270	9.440	9.510	9.370	9.410	9.510	9.580	9.460	9.270	9.510

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

CANDELA TABULATION - (Cont.)

166	9.300	9.530	9.650	9.550	9.410	9.810	9.690	9.650	9.390	9.440
167	9.390	9.510	9.810	9.320	9.530	9.810	9.790	9.670	9.460	9.390
168	9.230	9.690	9.760	9.650	9.720	9.760	9.900	9.720	9.600	9.460
169	9.480	9.650	9.970	9.690	9.650	9.830	9.970	9.600	9.370	9.530
170	9.530	9.760	9.900	9.620	9.760	9.850	10.040	9.550	9.440	9.740
171	9.670	9.720	9.950	9.740	9.880	9.900	9.970	9.600	9.600	9.620
172	9.650	9.690	9.920	9.740	9.720	10.130	10.040	9.760	9.550	9.760
173	9.760	9.790	9.920	9.620	9.720	10.090	10.060	9.600	9.650	9.760
174	9.760	9.830	9.850	9.950	9.900	10.040	10.160	9.720	9.690	9.830
175	9.950	9.650	9.900	9.920	9.970	10.090	10.250	9.550	9.720	9.920
176	9.830	9.850	9.920	10.020	9.970	10.090	10.440	9.920	9.670	9.790
177	9.990	9.740	10.020	9.950	9.950	10.040	10.110	9.760	9.530	10.040
178	9.790	9.720	9.920	9.970	9.810	10.180	10.060	9.810	9.620	10.090
179	9.880	9.790	9.850	9.880	9.690	10.320	10.300	9.850	9.650	10.060
180	10.008	10.008	10.008	10.008	10.008	10.008	10.008	10.008	10.008	10.008

Vert. Horizontal Angles

	300	330	360
0	1066.822	1066.822	1066.822
1	1067.340	1066.550	1066.850
2	1068.250	1066.920	1067.480
3	1069.370	1067.790	1067.760
4	1069.230	1068.270	1068.160
5	1068.930	1068.230	1068.230
6	1067.510	1067.390	1067.670
7	1065.290	1066.020	1066.390
8	1062.990	1063.940	1063.380
9	1060.170	1061.470	1061.400
10	1057.580	1058.980	1059.400
11	1054.740	1056.180	1056.600
12	1052.320	1053.150	1054.370
13	1049.990	1049.170	1051.010
14	1048.330	1046.350	1047.520
15	1046.070	1043.770	1044.370
16	1044.070	1040.900	1041.270
17	1041.320	1037.800	1037.380
18	1037.030	1034.000	1033.860
19	1033.630	1029.880	1029.550
20	1030.160	1025.870	1024.850
21	1026.270	1021.730	1019.650
22	1022.800	1016.880	1015.230
23	1018.860	1012.550	1010.960
24	1014.010	1007.750	1006.510
25	1008.770	1002.510	1002.090
26	1003.130	996.120	996.800
27	996.030	989.920	991.020
28	990.130	983.770	984.680
29	984.290	977.900	978.370
30	978.180	971.660	970.400
31	971.430	965.720	963.970
32	965.000	959.640	957.800
33	958.310	953.350	951.830
34	950.900	946.870	945.170
35	942.890	938.480	938.340
36	934.710	931.100	930.770

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

CANDELA TABULATION - (Cont.)

37	926.000	922.900	922.520
38	916.910	913.930	912.740
39	907.800	904.580	903.400
40	896.780	895.080	893.590
41	887.250	885.320	883.290
42	877.700	873.710	873.090
43	867.800	863.390	860.900
44	857.830	852.630	849.880
45	847.570	841.420	838.540
46	836.970	829.960	826.790
47	824.700	817.030	814.070
48	813.610	804.500	801.310
49	802.210	791.680	788.030
50	790.450	778.380	774.190
51	776.120	763.140	757.830
52	763.280	748.230	742.850
53	749.680	733.040	727.450
54	735.050	717.080	711.520
55	718.410	698.140	695.160
56	701.920	681.090	676.960
57	684.470	662.890	659.680
58	666.530	644.790	641.830
59	647.400	624.710	623.710
60	625.310	606.000	603.390
61	605.300	586.830	584.290
62	585.120	567.230	564.950
63	564.510	545.030	543.350
64	541.860	524.950	523.600
65	521.080	505.120	503.790
66	499.690	484.850	483.830
67	476.630	462.620	463.980
68	455.100	442.220	442.540
69	433.850	421.920	422.650
70	412.980	402.000	403.010
71	389.980	380.380	383.250
72	369.290	361.050	361.950
73	349.440	341.870	342.920
74	330.130	323.090	324.050
75	310.750	302.570	305.970
76	290.830	284.910	286.590
77	272.840	267.920	269.320
78	255.830	251.380	252.900
79	237.520	234.140	237.030
80	221.380	218.860	220.580
81	206.070	204.110	206.070
82	191.510	189.950	191.970
83	175.710	174.710	178.460
84	161.360	161.360	163.740
85	146.540	147.340	150.340
86	129.910	132.030	135.970
87	113.040	115.420	120.820
88	99.460	102.000	105.680
89	86.410	89.840	92.870
90	72.600	75.160	79.960
91	67.070	68.430	69.310
92	63.230	64.530	64.880

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

CANDELA TABULATION - (Cont.)

93	59.110	60.640	61.250
94	55.330	57.240	57.730
95	51.350	53.470	54.540
96	47.990	50.490	51.280
97	44.690	47.480	48.530
98	41.700	44.990	46.040
99	38.530	42.380	43.660
100	36.130	40.210	41.470
101	33.670	37.950	39.210
102	31.290	35.860	37.300
103	29.380	34.010	35.720
104	27.420	32.360	33.900
105	25.530	30.990	32.200
106	24.020	29.360	30.640
107	22.650	28.070	29.360
108	21.550	26.860	27.930
109	20.460	25.720	26.720
110	19.220	24.560	25.600
111	18.290	23.480	24.530
112	17.430	22.530	23.460
113	16.680	21.600	22.530
114	16.220	20.600	21.600
115	15.470	19.690	20.620
116	15.100	18.920	19.850
117	14.650	18.290	19.030
118	14.140	17.640	18.340
119	13.680	17.190	17.570
120	13.440	16.470	16.940
121	13.070	16.010	16.360
122	12.510	15.450	15.750
123	12.230	14.960	15.100
124	11.840	14.370	14.580
125	11.650	14.050	14.170
126	11.420	13.680	13.650
127	10.950	13.300	13.210
128	10.620	12.950	12.840
129	10.600	12.650	12.370
130	10.300	12.210	12.090
131	9.900	11.770	11.250
132	9.790	11.490	10.600
133	9.580	11.180	10.160
134	9.390	10.760	9.920
135	9.300	10.580	9.760
136	9.130	10.340	9.600
137	9.060	9.950	9.370
138	9.020	9.580	9.180
139	8.900	9.390	9.160
140	8.620	9.200	8.900
141	8.570	8.950	8.690
142	8.460	8.690	8.640
143	8.480	8.550	8.600
144	8.320	8.550	8.430
145	8.340	8.500	8.390
146	8.340	8.410	8.390
147	8.320	8.390	8.410
148	8.430	8.390	8.530

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

CANDELA TABULATION - (Cont.)

149	8.500	8.530	8.530
150	8.500	8.460	8.500
151	8.640	8.780	8.600
152	8.740	8.690	8.550
153	8.780	8.900	8.690
154	8.900	8.850	8.710
155	9.020	8.830	8.760
156	9.110	8.850	8.990
157	9.200	8.900	9.040
158	9.090	9.110	9.110
159	9.200	9.250	9.020
160	9.440	9.340	8.990
161	9.300	9.300	9.060
162	9.370	9.340	9.160
163	9.550	9.440	9.020
164	9.440	9.580	9.180
165	9.580	9.670	9.270
166	9.510	9.550	9.300
167	9.530	9.600	9.390
168	9.620	9.720	9.230
169	9.670	9.650	9.480
170	9.670	9.740	9.530
171	9.830	9.760	9.670
172	9.920	9.760	9.650
173	9.690	9.850	9.760
174	9.720	9.740	9.760
175	9.790	9.950	9.950
176	9.950	9.810	9.830
177	9.950	9.920	9.990
178	9.810	9.950	9.790
179	9.920	9.990	9.880
180	10.008	10.008	10.008

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	396.52	10.30	10.30
0-30	860.23	22.30	22.30
0-40	1449.73	37.60	37.60
0-60	2728.47	70.80	70.80
0-80	3558.2	92.40	92.40
0-90	3715.00	96.40	96.40
10-90	3613.47	93.80	93.80
20-40	1053.21	27.30	27.30
20-50	1704.1	44.20	44.20
40-70	1783.01	46.30	46.30
60-80	829.73	21.50	21.50
70-80	325.47	8.40	8.40
80-90	156.80	4.10	4.10
90-110	88.94	2.30	2.30
90-120	106.65	2.80	2.80
90-130	117.65	3.10	3.10
90-150	130.16	3.40	3.40
90-180	137.85	3.60	3.60
110-180	48.92	1.30	1.30
0-180	3852.86	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.53
10-20	294.98
20-30	463.71
30-40	589.50
40-50	650.89
50-60	627.85
60-70	504.26
70-80	325.47
80-90	156.80
90-100	57.95
100-110	30.99
110-120	17.71
120-130	11.00
130-140	7.25
140-150	5.26
150-160	4.08
160-170	2.68
170-180	0.94

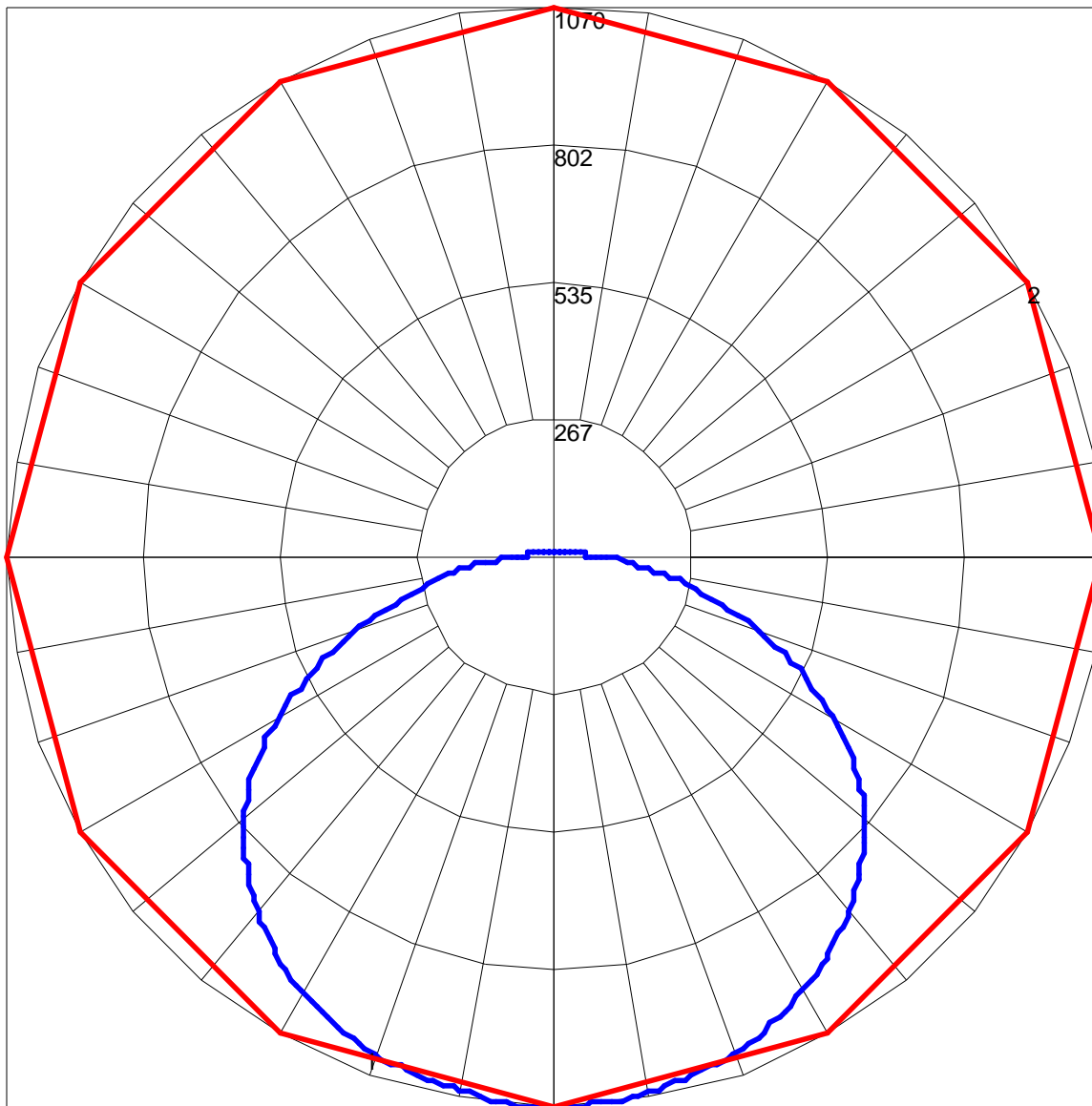
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX40.IES

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	109	109	109	104	104	104	99	99	99	96
1	107	101	96	92	103	98	94	90	94	90	87	89	86	83	85	82	80	78
2	96	87	80	74	93	85	78	72	81	75	70	77	72	68	73	69	66	63
3	87	76	67	60	84	74	66	59	70	64	58	67	61	56	64	59	55	52
4	79	67	57	50	77	65	56	50	62	55	49	59	53	48	57	51	47	44
5	73	59	50	43	70	58	49	42	55	48	42	53	46	41	51	45	40	38
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	46	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	43	36	31	42	35	31	29
8	58	44	35	29	56	43	34	29	41	34	28	40	33	28	38	32	27	25
9	54	40	31	26	52	39	31	26	38	30	25	36	30	25	35	29	25	23
10	50	37	29	23	49	36	28	23	35	28	23	34	27	22	32	26	22	20

POLAR GRAPH



Maximum Candela = 1069.86 Located At Horizontal Angle = 210, Vertical Angle = 4
1 - Vertical Plane Through Horizontal Angles (210 - 30) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)