



Photometric Toolbox™

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CPYRA12PG-LED30DMVXX40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 19 July 2017

[ISSUEDATE] 2017-07-20 16:05:47

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] Mobern Lighting Co,

[LUMCAT] CPYRA12PG-LED30DMVxx40

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

[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	49.36	49.36	1.39	1.39
[OTHER] 10- 20	153.05	202.41	5.71	5.71
[OTHER] 20- 30	272.83	475.24	13.40	13.40
[OTHER] 30- 40	418.83	894.07	25.21	25.21
[OTHER] 40- 50	584.35	1478.42	41.68	41.68
[OTHER] 50- 60	712.39	2190.82	61.77	61.77
[OTHER] 60- 70	657.35	2848.17	80.30	80.30
[OTHER] 70- 80	409.75	3257.92	91.86	91.86
[OTHER] 80- 90	183.33	3441.25	97.03	97.03
[OTHER] 90-100	62.19	3503.44	98.78	98.78
[OTHER] 100-110	23.94	3527.38	99.45	99.45
[OTHER] 110-120	11.67	3539.05	99.78	99.78
[OTHER] 120-130	5.84	3544.89	99.95	99.95
[OTHER] 130-140	1.64	3546.53	99.99	99.99
[OTHER] 140-150	0.16	3546.69	100.00	100.00
[OTHER] 150-160	0.02	3546.71	100.00	100.00
[OTHER] 160-170	0.01	3546.72	100.00	100.00
[OTHER] 170-180	0.00	3546.72	100.00	100.00
[OTHER]				

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CHARACTERISTICS

Lumens Per Lamp	3546.7 (1 lamp)
Total Lamp Lumens	3546.7
Luminaire Lumens	3547
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	30.3549
Ballast Factor	0.99
CIE Type	Direct
Spacing Criterion (0-180)	2.06
Spacing Criterion (90-270)	2.06
Spacing Criterion (Diagonal)	2.16
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	14863	14095	14711
55	19571	18201	20055
65	22138	21362	23416
75	20297	20519	22289
85	25662	27130	29453

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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	508.691	508.691	508.691	508.691	508.691	508.691	508.691	508.691	508.691	508.691
1	509.170	509.270	509.070	508.630	508.270	508.370	508.270	508.080	508.750	508.400
2	510.130	510.070	509.550	508.790	508.650	508.470	507.830	508.080	508.590	508.590
3	511.200	511.110	510.460	509.320	509.500	508.830	508.350	508.550	509.210	509.360
4	512.470	511.810	511.330	510.250	509.960	509.490	508.740	508.940	509.720	509.850
5	514.290	513.190	512.790	511.570	510.960	510.080	509.140	510.000	510.310	510.860
6	516.800	515.530	514.590	513.510	512.490	511.510	510.590	511.590	511.730	512.320
7	518.960	517.510	516.220	514.630	513.880	512.700	511.960	513.200	513.040	514.180
8	521.380	519.600	517.780	515.770	515.310	514.300	513.580	514.490	514.130	515.240
9	523.670	521.600	519.710	517.460	516.980	515.970	515.240	516.140	515.590	516.670
10	525.990	523.620	521.550	518.870	518.510	517.560	516.940	517.500	517.130	517.960
11	527.960	525.260	523.200	520.320	519.960	519.240	518.390	519.270	518.730	519.280
12	530.890	527.350	524.590	521.880	521.500	521.080	519.940	520.440	520.180	521.150
13	533.630	529.880	526.880	523.750	523.350	522.890	521.630	521.970	521.660	522.770
14	537.000	532.350	529.040	526.170	525.600	525.150	523.580	524.050	523.800	525.000
15	540.260	535.670	531.960	528.870	527.940	527.730	526.100	526.270	526.000	527.580
16	543.970	538.980	535.220	531.990	531.150	530.670	528.630	529.140	529.010	531.040
17	548.090	542.930	539.040	535.460	534.840	533.730	531.620	532.480	532.290	534.600
18	552.560	547.050	542.760	538.860	538.360	537.260	535.270	536.170	536.040	538.570
19	557.200	550.900	546.550	542.340	541.750	541.090	538.990	539.830	539.810	542.570
20	562.030	555.090	550.160	546.110	545.530	545.080	542.930	543.710	543.930	546.730
21	566.780	559.750	554.410	549.960	549.760	549.580	546.980	548.150	548.030	551.700
22	571.350	564.120	558.780	554.210	554.500	554.020	551.570	552.750	552.350	556.200
23	576.850	568.990	563.630	558.800	559.350	558.810	556.470	557.840	557.180	561.090
24	582.510	574.450	568.450	563.950	564.720	563.920	561.350	563.330	562.400	566.480
25	588.250	579.830	574.020	569.350	570.120	569.470	566.830	569.290	568.260	572.360
26	594.130	585.480	580.070	575.180	575.760	575.280	572.600	575.900	574.710	578.810
27	599.980	591.650	586.260	581.200	581.950	581.300	578.960	582.320	581.460	585.750
28	606.020	597.880	592.620	587.180	588.150	587.520	585.470	589.370	588.780	593.040
29	612.660	604.550	598.900	593.620	594.820	593.970	591.960	596.950	596.320	600.470
30	619.570	611.630	605.580	600.560	601.840	600.370	598.570	604.770	604.010	608.240
31	626.450	618.980	612.660	607.710	608.980	607.650	606.060	613.180	612.420	616.470
32	633.570	626.370	620.320	614.960	616.140	615.010	613.780	621.520	621.020	624.820
33	641.200	634.200	628.070	622.080	623.740	622.350	621.660	630.850	629.790	633.160
34	648.500	642.040	635.770	629.350	631.340	630.260	629.830	639.980	638.940	641.460
35	656.550	649.860	643.010	636.060	638.810	638.080	637.930	649.210	647.630	649.500
36	664.280	658.010	650.170	643.130	646.040	646.390	645.950	658.130	656.030	657.320
37	672.650	666.350	657.430	650.430	653.690	654.680	654.720	667.210	664.490	665.490
38	680.740	674.380	664.600	657.340	661.180	662.810	663.410	676.820	672.820	673.360
39	689.370	682.520	671.740	664.020	668.780	671.510	672.860	686.410	681.440	681.910
40	698.270	690.380	679.210	670.920	676.510	680.290	682.440	696.330	690.440	690.640
41	707.740	698.390	686.410	677.750	684.390	689.600	692.530	706.580	699.090	699.490
42	717.020	706.220	693.360	684.690	692.320	699.130	703.000	716.910	708.580	707.890
43	726.020	714.360	700.390	692.030	700.080	708.790	713.940	727.160	717.950	717.040
44	734.910	722.020	707.720	698.610	708.210	718.670	724.850	737.740	727.530	725.650
45	743.180	729.520	714.390	704.820	716.080	728.280	735.590	748.140	736.680	734.120
46	751.510	736.820	720.460	710.660	723.540	737.320	746.390	758.120	745.050	742.210
47	759.770	743.290	726.300	715.810	730.480	746.200	756.480	767.660	753.810	749.950
48	767.390	749.240	731.260	720.980	737.120	755.230	766.690	776.680	761.270	757.260
49	774.790	754.710	735.670	725.980	743.530	763.930	776.510	784.990	768.600	763.500
50	781.490	759.210	739.890	730.480	749.020	772.310	785.660	792.080	774.840	769.500
51	786.690	763.120	743.330	733.710	753.740	779.420	794.140	798.460	780.160	774.640
52	791.120	765.500	745.460	736.220	757.270	785.470	801.370	803.050	784.340	778.990
53	793.670	767.040	746.060	737.910	759.830	789.600	807.310	806.370	786.980	782.070

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CANDELA TABULATION - (Cont.)

54	794.710	766.860	745.850	738.480	761.410	792.320	811.090	807.940	788.520	783.790
55	793.810	765.550	743.980	738.270	761.280	793.970	813.430	807.470	788.140	783.980
56	790.850	762.150	740.930	736.360	759.530	793.200	813.420	804.640	785.410	781.920
57	785.390	757.600	736.450	733.040	756.190	790.490	811.440	800.030	780.720	777.490
58	777.400	751.780	730.420	727.790	750.920	785.680	806.500	793.170	773.790	771.230
59	767.900	743.950	722.430	720.790	743.540	778.300	798.640	784.550	765.450	763.560
60	755.520	733.660	712.560	712.260	733.970	768.300	788.030	773.220	755.320	753.690
61	741.100	721.950	700.830	701.340	722.470	755.990	775.330	759.670	742.290	740.670
62	724.530	707.680	686.790	689.160	708.590	741.830	759.880	742.960	727.360	726.160
63	705.690	690.950	671.520	674.320	692.350	725.100	741.710	724.290	709.630	708.690
64	685.150	672.900	653.620	657.500	674.130	705.600	722.040	703.220	689.640	689.660
65	661.620	651.700	633.290	638.420	653.270	683.610	699.820	680.460	668.320	668.120
66	636.910	629.050	611.770	616.510	630.600	660.190	674.830	655.610	644.510	644.270
67	610.100	604.580	587.890	594.060	605.930	634.920	648.960	628.760	619.380	618.770
68	582.100	577.850	562.830	569.500	579.780	607.170	621.030	600.550	592.810	591.720
69	551.870	550.310	536.240	543.620	552.840	578.320	591.690	571.050	564.530	564.190
70	521.200	520.770	508.840	515.840	524.060	547.680	561.020	541.050	535.980	534.810
71	490.130	490.620	479.590	487.170	495.410	516.990	530.260	510.720	506.140	505.100
72	458.680	460.520	450.530	457.970	465.770	485.190	498.840	479.860	476.680	474.710
73	428.120	431.330	422.000	429.570	436.730	454.360	467.360	449.330	447.050	444.790
74	399.460	402.080	394.630	401.750	408.270	424.100	437.110	419.660	417.790	415.580
75	371.480	374.040	368.080	375.550	381.040	395.730	407.950	390.910	389.980	387.820
76	345.010	347.810	342.390	349.310	354.750	367.420	379.730	363.920	363.210	361.400
77	320.340	322.670	318.730	324.690	329.990	341.350	352.990	338.170	337.930	335.560
78	296.790	299.150	295.510	301.240	306.510	316.380	327.830	313.560	313.960	311.390
79	274.600	276.900	273.840	279.110	283.950	293.220	303.620	290.750	291.220	288.680
80	253.540	256.070	253.280	258.150	262.520	271.030	280.860	268.590	269.680	266.840
81	233.380	236.410	234.250	238.940	242.600	250.460	259.340	247.980	249.250	246.650
82	214.530	218.060	215.780	220.890	223.810	230.750	239.110	228.400	230.300	227.220
83	196.260	199.710	198.460	202.830	205.780	211.360	219.930	209.880	212.130	209.030
84	178.060	181.350	181.340	184.780	187.680	191.970	200.740	191.960	193.960	191.230
85	158.160	162.540	163.310	167.210	168.910	172.520	181.530	172.730	175.760	173.380
86	138.590	142.680	143.490	146.800	147.640	151.160	160.530	151.780	155.840	152.330
87	120.840	124.340	125.510	128.190	128.660	131.560	140.210	132.570	135.910	132.280
88	105.070	108.560	110.030	112.810	112.680	115.020	122.260	116.290	119.440	116.070
89	89.270	93.080	94.820	97.620	96.980	99.300	106.850	100.820	104.690	101.180
90	82.620	83.140	87.730	86.360	89.330	86.300	91.310	88.670	90.780	89.450
91	76.140	77.320	80.690	80.230	81.680	80.100	82.930	82.380	84.250	83.270
92	69.670	71.960	73.650	74.650	74.040	74.440	77.150	76.110	78.380	77.080
93	64.940	67.120	68.710	69.640	69.070	69.360	71.810	70.960	73.070	71.940
94	60.590	62.570	64.100	65.060	64.360	64.710	66.990	66.190	68.200	67.140
95	56.600	58.430	59.860	60.790	59.590	59.960	62.570	61.900	63.590	62.800
96	52.940	54.580	55.920	56.800	44.210	39.960	58.450	53.830	52.750	58.730
97	49.490	51.130	52.350	53.100	30.310	19.960	50.220	13.920	33.030	54.920
98	46.380	47.920	48.960	47.600	21.030	0.240	41.990	7.160	20.870	48.500
99	43.440	44.900	45.790	39.410	14.240	6.700	33.760	0.910	10.580	38.580
100	40.790	42.160	42.350	31.160	15.900	13.410	25.530	12.010	14.420	29.550
101	38.310	39.590	37.820	24.840	17.490	32.660	17.380	23.110	19.100	22.190
102	36.000	36.990	32.380	20.450	19.470	33.130	37.240	34.210	22.650	16.570
103	33.820	33.930	27.010	16.050	21.160	31.050	37.470	32.310	25.620	11.760
104	31.520	30.440	22.520	11.660	23.190	29.120	35.250	30.350	29.200	11.870
105	28.520	26.480	18.440	9.540	25.160	27.310	33.140	28.500	32.090	12.010
106	24.880	21.710	13.740	9.880	28.030	25.620	31.180	26.750	31.590	12.160
107	20.360	16.930	10.600	10.970	27.910	24.000	29.350	25.050	29.690	13.890
108	15.190	12.150	7.510	11.720	26.240	22.460	27.570	23.480	27.860	15.070
109	9.330	6.510	4.410	12.400	24.620	21.050	25.920	21.970	26.140	15.810

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CANDELA TABULATION - (Cont.)

110	5.490	3.110	5.270	13.140	23.080	19.740	24.330	20.540	24.510	16.850
111	1.690	1.600	6.040	13.840	21.610	18.440	22.810	19.180	22.960	17.790
112	0.410	1.810	6.590	15.160	20.230	17.140	21.370	17.870	21.490	18.740
113	0.670	2.500	7.090	17.280	18.920	15.950	20.060	16.630	20.160	19.680
114	1.230	3.060	7.600	17.560	17.670	14.850	18.750	15.460	18.830	18.390
115	1.940	3.540	8.060	16.420	16.490	13.800	17.450	14.370	17.500	17.120
116	2.780	4.000	8.550	15.300	15.380	12.810	16.300	13.320	16.320	15.900
117	3.440	4.450	9.590	14.220	14.310	11.880	15.190	12.330	15.190	14.760
118	4.100	4.890	10.420	13.190	13.310	11.000	14.140	11.400	14.120	13.680
119	4.770	5.570	10.320	12.210	12.360	10.170	13.160	10.510	13.110	12.660
120	5.200	6.350	9.500	11.280	11.450	9.390	12.210	9.730	12.160	11.720
121	5.430	6.560	8.780	10.410	10.600	8.640	11.320	8.950	11.250	10.820
122	5.300	6.150	8.090	9.590	9.790	7.950	10.480	8.170	10.390	10.000
123	5.010	5.640	7.430	8.830	9.060	7.290	9.670	7.480	9.590	9.230
124	4.570	5.160	6.810	8.100	8.320	6.660	8.920	6.830	8.820	8.460
125	4.140	4.710	6.230	7.420	7.630	6.070	8.190	6.230	8.090	7.770
126	3.750	4.280	5.680	6.780	6.990	5.520	7.510	5.660	7.400	7.100
127	3.370	3.880	5.160	6.190	6.360	4.670	6.830	4.720	6.750	6.480
128	3.020	3.510	4.680	5.630	5.780	3.200	5.330	3.220	6.120	5.900
129	2.690	3.160	4.220	5.090	5.230	3.240	1.760	3.320	5.550	5.350
130	2.380	2.830	3.800	4.590	4.710	3.580	1.120	3.570	5.000	4.840
131	2.090	2.510	3.400	4.110	4.210	3.180	3.540	3.150	4.490	4.340
132	1.820	2.200	3.010	3.660	3.740	2.790	3.200	2.770	4.010	3.880
133	1.560	1.920	2.650	3.240	3.290	2.430	2.830	2.410	3.550	3.440
134	1.320	1.660	2.310	2.850	2.870	2.080	2.470	2.070	3.110	3.040
135	1.110	1.430	2.010	2.480	2.490	1.790	2.140	1.760	2.710	2.650
136	0.910	1.220	1.720	2.120	2.140	1.520	1.830	1.480	2.330	2.290
137	0.740	1.030	1.450	1.790	1.810	1.280	1.540	1.260	1.980	1.950
138	0.580	0.860	1.200	1.490	1.520	1.060	1.270	1.050	1.650	1.630
139	0.450	0.700	0.970	1.210	1.250	0.860	1.020	0.870	1.340	1.340
140	0.330	0.550	0.770	0.940	1.000	0.690	0.790	0.710	1.070	1.070
141	0.230	0.420	0.590	0.720	0.780	0.560	0.590	0.570	0.830	0.820
142	0.160	0.300	0.440	0.530	0.580	0.440	0.410	0.440	0.620	0.610
143	0.120	0.200	0.310	0.370	0.400	0.330	0.270	0.320	0.440	0.440
144	0.090	0.120	0.200	0.250	0.250	0.220	0.170	0.220	0.300	0.300
145	0.070	0.070	0.130	0.160	0.140	0.130	0.100	0.130	0.190	0.200
146	0.050	0.050	0.070	0.090	0.070	0.060	0.060	0.060	0.120	0.120
147	0.050	0.040	0.040	0.050	0.040	0.030	0.040	0.050	0.070	0.080
148	0.040	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.050
149	0.040	0.040	0.040	0.030	0.040	0.030	0.040	0.050	0.050	0.050
150	0.040	0.040	0.040	0.030	0.030	0.030	0.040	0.050	0.050	0.050
151	0.040	0.040	0.040	0.030	0.030	0.030	0.040	0.040	0.050	0.050
152	0.040	0.040	0.040	0.030	0.030	0.030	0.030	0.040	0.050	0.050
153	0.040	0.040	0.040	0.030	0.030	0.030	0.030	0.040	0.040	0.050
154	0.040	0.040	0.040	0.030	0.030	0.030	0.030	0.040	0.040	0.050
155	0.040	0.040	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.050
156	0.040	0.040	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.050
157	0.040	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050
158	0.040	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050
159	0.040	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050
160	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050
161	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.050	0.050
162	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.050	0.050
163	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.050	0.050
164	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.050	0.050
165	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.050	0.050

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

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

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	508.691	508.691	508.691	508.691	508.691	508.691	508.691	508.691	508.691	508.691
1	508.470	508.400	509.010	509.270	508.950	509.360	509.130	509.500	510.110	509.460
2	508.760	508.810	509.360	509.860	509.940	510.390	510.300	510.580	511.480	510.810
3	509.210	509.450	510.460	511.050	511.040	511.750	511.660	512.340	513.170	512.550
4	509.690	510.240	511.220	512.340	512.510	513.350	513.330	513.900	514.810	514.100
5	510.490	511.240	512.130	513.680	514.390	514.940	515.410	515.980	517.030	515.900
6	511.910	512.760	513.940	516.190	516.780	517.300	517.830	518.750	519.860	518.510
7	513.780	514.980	516.040	518.200	519.140	519.960	520.560	521.640	522.760	521.250
8	515.420	516.970	518.440	520.630	521.030	521.880	523.120	524.520	525.660	524.140
9	517.360	519.070	520.780	522.900	523.260	523.970	525.440	527.710	528.520	526.810
10	519.130	521.190	523.220	524.930	525.070	526.280	527.670	530.580	531.380	529.070
11	520.870	523.440	525.510	527.030	527.220	528.530	530.360	533.310	534.160	531.880
12	522.920	525.960	528.080	529.320	529.490	531.080	533.300	536.230	537.290	534.420
13	525.200	528.130	530.800	532.230	531.910	534.350	536.160	539.510	540.720	537.300
14	527.620	530.950	533.790	534.850	535.020	537.770	539.640	543.240	544.450	540.570
15	530.780	534.030	536.930	538.170	538.720	541.550	543.640	547.040	548.640	544.350
16	533.990	537.490	540.720	542.030	542.720	545.890	548.080	551.420	553.160	548.750
17	537.680	541.200	544.760	546.320	547.810	550.700	553.040	555.950	558.040	553.620
18	541.720	545.730	549.280	551.190	552.820	555.810	557.810	561.120	563.140	558.680
19	545.770	550.700	553.920	555.830	557.540	560.690	563.070	566.450	568.510	563.720
20	550.100	555.320	559.120	560.710	563.100	565.930	568.750	572.240	574.580	568.990
21	555.060	561.020	564.380	566.320	568.460	571.820	574.580	578.520	580.650	574.840
22	559.700	566.550	569.890	572.550	574.270	577.880	580.770	585.090	587.130	580.710
23	565.240	571.880	575.710	578.820	579.980	584.480	587.520	592.300	593.560	586.960
24	571.050	577.960	581.880	585.590	586.460	591.570	594.580	599.440	600.720	593.600
25	577.330	583.630	588.150	592.440	594.080	599.450	602.100	606.820	608.420	600.740
26	583.360	590.440	595.160	600.030	601.910	607.440	610.240	614.430	616.230	608.370
27	589.960	596.680	602.150	607.800	610.410	615.690	618.300	621.990	624.190	616.160
28	597.080	603.740	609.770	615.930	618.830	624.720	626.820	630.110	632.070	624.130
29	604.530	611.200	617.340	624.600	628.040	633.810	635.910	638.390	640.400	632.500
30	612.500	618.480	625.450	633.540	637.310	643.140	645.400	646.630	648.650	641.090
31	620.700	626.240	633.580	642.940	647.330	652.780	655.220	655.440	657.510	649.770
32	628.640	634.390	641.940	652.550	657.030	662.830	664.980	664.750	666.670	658.760
33	637.360	642.790	650.960	662.610	666.910	672.730	674.560	674.270	675.760	668.440
34	645.130	651.400	659.680	672.310	676.810	682.280	684.240	684.290	684.940	677.740
35	653.790	659.830	668.530	682.120	686.450	691.900	693.960	694.100	694.190	686.970
36	662.120	668.520	677.440	691.550	696.470	701.020	703.790	704.000	703.430	696.230

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	670.040	677.130	686.600	701.390	705.690	710.650	713.530	713.710	713.610	705.650
38	678.650	686.470	696.320	711.500	715.090	720.080	723.940	723.760	723.770	715.380
39	687.050	695.430	705.940	721.450	724.490	729.770	734.180	734.300	734.100	724.560
40	696.550	705.460	716.130	731.820	734.320	739.840	745.030	745.150	744.470	733.890
41	705.600	715.690	726.980	742.180	744.330	749.780	755.730	755.900	754.920	743.520
42	715.290	725.560	737.420	752.880	754.030	759.860	766.490	766.800	765.470	753.260
43	724.810	735.180	748.240	763.510	763.490	769.290	777.450	777.290	776.080	762.530
44	734.840	745.510	758.790	773.790	772.990	778.490	787.900	788.370	787.250	771.560
45	744.740	756.020	769.700	783.610	781.930	786.770	798.410	799.050	797.180	780.170
46	753.870	765.770	779.830	793.500	790.420	794.900	808.140	809.290	806.640	788.550
47	763.280	775.630	790.290	802.630	798.360	802.190	817.290	819.300	815.870	796.770
48	772.160	786.040	800.320	811.130	805.120	808.660	825.340	828.920	824.370	803.970
49	780.160	795.460	809.590	818.470	811.460	813.990	832.720	837.220	831.830	810.260
50	787.550	803.810	818.050	825.100	816.520	818.670	838.580	844.580	839.040	814.950
51	793.670	811.370	825.900	830.060	820.650	821.980	843.650	850.450	844.510	818.530
52	799.220	817.650	832.500	833.730	823.020	824.020	846.620	854.860	847.850	820.850
53	802.720	822.760	837.220	835.880	824.190	824.640	847.360	857.380	849.920	822.050
54	805.070	825.850	840.160	836.120	823.460	823.340	846.500	857.100	849.630	821.700
55	805.820	827.510	841.590	834.910	820.810	820.270	843.640	855.330	847.540	818.590
56	804.270	826.420	840.880	831.160	815.750	814.850	837.520	850.150	842.330	814.040
57	800.610	823.460	837.390	825.230	808.970	807.220	828.790	843.070	834.140	807.230
58	794.970	818.640	831.030	817.360	799.780	797.290	817.900	832.510	822.780	799.010
59	786.980	810.300	822.140	806.880	789.160	785.100	804.650	819.920	809.070	787.850
60	776.660	799.890	810.090	794.550	775.590	770.260	788.610	804.350	793.200	774.770
61	763.540	787.120	796.330	779.990	760.710	753.610	770.160	786.030	774.310	759.120
62	748.390	771.800	779.350	762.550	742.320	734.710	749.350	765.810	753.120	741.110
63	730.500	754.350	760.310	742.890	723.050	713.840	726.930	742.760	729.540	721.160
64	710.140	732.790	738.140	721.200	700.610	691.270	701.740	717.350	703.620	698.690
65	688.020	709.920	714.370	696.970	677.440	666.590	676.040	690.320	675.840	674.250
66	663.470	683.720	687.830	671.020	652.070	640.090	647.960	661.340	646.640	647.770
67	637.220	656.820	659.180	643.030	625.230	612.010	619.280	631.150	616.120	619.750
68	609.870	627.340	629.750	613.850	596.680	582.930	589.550	599.410	584.330	590.230
69	581.110	596.740	598.340	583.760	567.150	553.130	559.080	567.350	551.670	559.360
70	551.210	564.050	565.880	552.070	536.560	522.890	528.600	534.770	518.760	528.430
71	521.020	530.960	533.040	519.780	505.890	491.890	497.500	502.040	486.660	496.450
72	489.870	497.750	499.350	487.620	475.270	461.580	467.400	470.600	455.350	465.390
73	459.880	465.390	467.580	455.940	445.120	432.060	437.200	439.410	424.640	435.090
74	429.490	434.260	435.240	425.380	415.440	403.370	408.340	409.540	395.860	405.780
75	400.900	403.960	405.620	396.040	388.050	375.730	381.000	381.250	368.480	377.800
76	373.220	375.180	376.430	368.140	361.250	350.130	354.750	354.850	342.220	351.360
77	346.640	347.850	349.430	341.630	336.070	325.750	329.720	329.490	318.030	326.510
78	321.720	321.910	323.720	316.640	311.900	302.310	306.130	305.380	294.460	302.740
79	297.750	297.890	299.390	293.170	289.220	280.230	284.130	282.900	272.310	280.390
80	275.260	274.850	276.360	270.760	267.670	259.350	262.540	261.270	251.320	259.490
81	254.390	253.390	254.770	249.990	247.790	239.660	242.920	241.230	231.560	239.440
82	234.480	232.760	234.420	230.320	228.430	221.030	224.180	221.710	212.350	220.850
83	215.470	213.470	214.440	211.260	209.920	203.140	205.440	202.890	193.800	202.270
84	196.450	194.250	194.460	192.650	191.410	185.610	186.700	183.970	174.230	183.670
85	177.410	173.590	174.400	172.420	172.770	166.870	167.050	163.050	152.670	164.230
86	155.530	150.470	151.130	149.150	150.110	145.150	145.690	142.160	133.040	143.710
87	134.050	129.510	130.050	128.200	129.760	125.950	126.240	123.200	115.680	125.070
88	116.830	112.640	112.840	111.840	113.460	110.110	110.010	106.900	99.900	109.020
89	101.940	97.230	97.490	96.150	97.840	94.410	93.710	90.820	91.280	93.540
90	88.490	89.460	84.880	88.690	86.760	87.460	83.650	84.210	82.670	84.300
91	82.140	81.690	78.970	81.370	80.850	80.570	77.890	77.590	74.060	78.450
92	76.480	73.930	73.630	74.050	75.420	73.690	72.520	70.980	68.970	73.010

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	71.220	68.790	68.610	69.080	70.450	68.900	67.740	66.240	64.330	68.070
94	66.520	64.260	64.120	64.520	65.820	64.380	63.260	61.900	60.200	63.530
95	62.120	60.030	59.900	60.330	61.610	60.300	58.870	57.980	56.330	59.460
96	58.100	56.160	56.090	56.500	57.630	56.450	44.280	48.320	50.130	55.700
97	54.390	52.580	52.530	52.930	54.040	52.580	27.550	13.560	16.050	49.380
98	50.950	49.320	49.230	49.660	50.630	45.260	16.630	7.360	19.710	43.050
99	47.700	46.250	46.200	46.570	47.410	35.730	7.900	1.920	23.840	36.730
100	43.820	43.400	43.350	43.770	43.190	27.660	15.260	11.900	27.970	30.400
101	38.490	40.690	40.750	40.970	37.470	21.170	19.560	22.230	32.100	24.210
102	32.110	37.570	38.280	37.660	31.020	14.700	22.120	32.560	36.220	33.340
103	26.210	33.640	35.640	33.700	24.960	10.390	24.680	30.630	34.210	31.340
104	20.310	28.860	31.960	28.830	18.910	10.390	27.260	28.800	32.230	29.420
105	14.410	23.270	27.230	23.120	12.860	10.530	30.110	27.090	30.350	27.620
106	8.560	17.000	20.840	16.590	7.390	11.970	30.130	25.440	28.550	25.910
107	5.130	10.310	14.440	9.820	4.740	12.920	28.400	23.900	26.900	24.310
108	4.470	6.300	8.090	6.010	4.610	13.860	26.730	22.420	25.280	22.780
109	5.780	2.350	3.650	2.260	5.960	14.810	25.140	21.000	23.770	21.370
110	7.060	1.470	1.120	1.470	6.920	15.980	23.610	19.680	22.330	20.030
111	8.140	2.250	0.450	2.280	7.630	17.110	22.140	18.400	20.930	18.700
112	8.800	3.110	1.010	3.120	8.300	18.230	20.780	17.190	19.570	17.360
113	9.390	3.910	1.830	3.830	8.990	19.350	19.520	16.020	18.310	16.170
114	9.910	4.620	2.900	4.460	9.620	18.080	18.270	14.900	17.130	15.050
115	10.700	5.200	4.020	5.060	10.450	16.860	17.010	13.850	15.990	13.990
116	11.760	5.750	5.050	5.670	11.610	15.690	15.860	12.820	14.910	13.000
117	12.290	6.420	5.620	6.490	12.240	14.590	14.800	11.880	13.900	12.040
118	11.780	7.360	6.040	7.500	11.750	13.560	13.780	10.980	12.920	11.140
119	10.840	7.880	6.460	7.950	10.860	12.550	12.800	10.100	12.010	10.290
120	10.030	7.740	6.710	7.580	10.080	11.640	11.830	9.350	11.130	9.490
121	9.270	7.140	6.600	6.850	9.320	10.760	10.800	8.600	10.300	8.740
122	8.550	6.560	6.170	6.080	8.610	9.950	9.790	7.850	9.570	8.030
123	7.880	6.020	5.640	5.420	7.880	9.120	8.820	7.140	8.840	7.360
124	7.250	5.520	5.150	4.890	7.130	8.290	8.010	6.510	8.100	6.730
125	6.660	5.040	4.680	4.460	6.390	7.420	7.290	5.900	7.450	6.130
126	6.100	4.600	4.240	4.100	5.680	6.580	6.600	5.370	6.800	5.570
127	5.570	4.180	3.830	3.810	5.030	5.850	5.950	4.450	5.480	4.870
128	5.070	3.780	3.460	3.580	4.440	5.210	5.340	2.730	2.120	3.100
129	4.590	3.410	3.110	3.280	3.950	4.650	4.820	3.030	1.010	2.630
130	4.140	3.070	2.780	2.920	3.540	4.140	4.350	3.400	3.390	3.470
131	3.700	2.750	2.470	2.520	3.180	3.690	3.930	3.020	3.230	3.080
132	3.300	2.450	2.180	2.250	2.870	3.310	3.550	2.600	2.850	2.710
133	2.920	2.160	1.910	2.010	2.570	2.960	3.160	2.260	2.500	2.360
134	2.550	1.890	1.660	1.790	2.290	2.640	2.760	1.960	2.160	2.030
135	2.210	1.640	1.420	1.600	1.970	2.330	2.390	1.700	1.850	1.740
136	1.890	1.420	1.210	1.410	1.650	2.000	2.060	1.450	1.570	1.480
137	1.610	1.210	1.020	1.240	1.300	1.670	1.710	1.230	1.300	1.250
138	1.360	1.020	0.840	1.080	1.020	1.330	1.410	1.040	1.050	1.040
139	1.140	0.840	0.680	0.950	0.840	1.030	1.200	0.880	0.820	0.870
140	0.930	0.680	0.540	0.790	0.740	0.800	0.990	0.750	0.610	0.720
141	0.740	0.530	0.420	0.640	0.670	0.630	0.820	0.630	0.420	0.570
142	0.570	0.390	0.320	0.510	0.600	0.520	0.630	0.510	0.270	0.440
143	0.420	0.270	0.240	0.380	0.520	0.450	0.460	0.380	0.170	0.300
144	0.280	0.170	0.180	0.280	0.390	0.350	0.310	0.190	0.100	0.140
145	0.180	0.110	0.140	0.190	0.270	0.260	0.200	0.040	0.030	0.030
146	0.100	0.070	0.100	0.120	0.190	0.180	0.130	0.040	0.030	0.030
147	0.060	0.060	0.080	0.070	0.120	0.110	0.070	0.040	0.020	0.030
148	0.050	0.050	0.060	0.050	0.070	0.070	0.050	0.040	0.030	0.030

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CANDELA TABULATION - (Cont.)

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

Vert. Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	508.691	508.691	508.691	508.691	508.691
1	510.170	509.330	509.620	509.090	509.170
2	511.530	510.650	510.620	509.980	510.130
3	513.140	512.210	512.010	511.230	511.200
4	515.050	514.060	513.460	512.690	512.470
5	517.280	516.080	516.040	514.690	514.290
6	519.800	518.820	518.640	516.970	516.800
7	522.240	521.450	521.250	519.430	518.960
8	524.580	523.650	523.590	521.940	521.380
9	526.940	525.960	526.100	524.510	523.670
10	529.370	527.980	528.150	526.850	525.990
11	531.830	530.090	530.480	529.390	527.960
12	534.780	533.140	533.340	531.990	530.890
13	537.670	536.370	536.490	535.120	533.630
14	541.160	539.530	540.290	538.460	537.000
15	544.810	543.260	544.010	542.130	540.260
16	549.230	547.200	548.350	546.260	543.970
17	554.190	551.900	552.730	550.560	548.090
18	558.890	556.470	557.570	555.190	552.560
19	563.510	560.980	562.530	559.900	557.200

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CANDELA TABULATION - (Cont.)

20	568.480	566.320	567.720	565.070	562.030
21	573.640	571.650	572.990	570.440	566.780
22	579.390	576.800	578.330	575.800	571.350
23	585.050	582.540	584.380	581.030	576.850
24	591.540	588.520	590.710	586.660	582.510
25	598.580	595.290	597.220	592.430	588.250
26	605.800	602.500	603.750	598.450	594.130
27	614.070	610.230	610.370	604.800	599.980
28	621.870	617.780	617.620	611.260	606.020
29	629.720	625.220	625.290	618.020	612.660
30	638.000	633.280	633.150	624.470	619.570
31	646.480	641.830	641.080	631.970	626.450
32	655.640	650.470	649.440	639.550	633.570
33	664.650	659.000	657.830	647.610	641.200
34	673.660	667.320	666.420	655.730	648.500
35	682.180	675.240	674.630	663.490	656.550
36	690.570	683.730	683.030	671.690	664.280
37	699.220	691.750	691.510	680.070	672.650
38	707.770	699.610	700.090	688.450	680.740
39	715.830	708.000	708.440	697.150	689.370
40	724.280	716.130	717.230	706.050	698.270
41	732.650	724.600	726.020	714.980	707.740
42	740.630	732.630	734.520	723.960	717.020
43	749.160	740.320	743.090	732.820	726.020
44	756.600	747.290	751.370	741.730	734.910
45	763.540	754.270	759.840	750.430	743.180
46	769.840	760.370	767.650	758.710	751.510
47	775.950	766.100	774.730	767.190	759.770
48	780.900	770.910	780.750	775.170	767.390
49	785.330	775.280	786.520	782.310	774.790
50	788.690	778.650	790.690	788.800	781.490
51	791.040	781.330	794.020	794.040	786.690
52	791.940	782.430	796.160	797.680	791.120
53	791.760	782.680	796.930	800.060	793.670
54	790.070	781.360	795.910	800.670	794.710
55	786.600	778.400	793.340	799.690	793.810
56	781.050	773.590	788.390	796.240	790.850
57	774.440	766.940	781.780	791.080	785.390
58	765.730	758.640	772.350	783.740	777.400
59	755.170	747.830	761.910	773.830	767.900
60	742.970	735.620	748.600	762.460	755.520
61	728.320	721.210	733.640	748.990	741.100
62	711.940	704.710	716.460	732.540	724.530
63	692.700	686.010	697.070	713.720	705.690
64	671.600	665.810	675.780	693.490	685.150
65	648.990	643.120	652.730	670.250	661.620
66	623.990	618.620	628.150	645.400	636.910
67	597.980	593.210	601.400	618.330	610.100
68	569.530	565.180	573.110	589.310	582.100
69	540.270	536.520	543.930	559.640	551.870
70	509.620	507.160	513.800	528.470	521.200
71	479.720	477.640	483.470	496.710	490.130
72	449.300	447.670	453.260	465.220	458.680
73	419.770	419.170	423.800	434.660	428.120
74	391.950	391.450	395.520	404.950	399.460
75	365.100	365.140	368.450	376.630	371.480

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CANDELA TABULATION - (Cont.)

76	339.980	339.930	342.780	350.000	345.010
77	315.570	316.200	317.930	324.920	320.340
78	292.990	293.470	295.090	300.820	296.790
79	271.410	272.020	272.900	278.330	274.600
80	250.960	251.700	252.660	257.000	253.540
81	231.970	232.870	233.220	237.400	233.380
82	213.640	215.140	214.700	218.580	214.530
83	196.270	197.400	196.940	199.770	196.260
84	178.920	179.670	179.150	180.930	178.060
85	160.150	161.660	159.770	161.040	158.160
86	140.040	141.820	139.220	141.020	138.590
87	122.430	123.900	121.560	122.930	120.840
88	107.170	108.310	105.930	106.720	105.070
89	92.170	93.100	90.480	90.770	89.270
90	85.710	84.320	83.940	81.580	82.620
91	79.350	78.550	77.580	75.840	76.140
92	72.980	73.150	71.230	70.520	69.670
93	68.160	68.210	66.380	65.690	64.940
94	63.630	63.740	61.940	61.260	60.590
95	59.450	59.560	57.880	57.160	56.600
96	53.760	55.760	54.110	53.450	52.940
97	37.490	52.220	50.670	50.010	49.490
98	25.830	48.730	47.490	46.850	46.380
99	16.080	42.870	44.550	43.930	43.440
100	12.000	34.770	41.730	41.200	40.790
101	14.970	27.530	38.130	38.670	38.310
102	18.090	22.400	33.560	36.290	36.000
103	21.140	17.280	28.490	33.750	33.820
104	23.940	12.170	23.770	30.720	31.520
105	27.070	9.050	19.110	27.050	28.520
106	29.200	8.840	14.520	22.270	24.880
107	27.820	10.350	8.550	17.490	20.360
108	26.120	11.820	6.230	12.710	15.190
109	24.510	12.770	4.020	6.850	9.330
110	22.970	13.390	4.840	3.150	5.490
111	21.520	14.270	5.820	1.450	1.690
112	20.140	16.150	6.620	1.540	0.410
113	18.850	17.880	7.210	2.180	0.670
114	17.580	17.550	7.660	2.770	1.230
115	16.390	16.330	8.150	3.410	1.940
116	15.280	15.210	8.790	3.940	2.780
117	14.230	14.140	9.900	4.410	3.440
118	13.240	13.120	10.570	4.900	4.100
119	12.270	12.150	10.370	5.610	4.770
120	11.370	11.240	9.570	6.310	5.200
121	10.520	10.390	8.810	6.520	5.430
122	9.760	9.590	8.110	6.230	5.300
123	9.000	8.830	7.440	5.690	5.010
124	8.240	8.120	6.810	5.200	4.570
125	7.560	7.440	6.220	4.740	4.140
126	6.900	6.800	5.670	4.310	3.750
127	6.280	6.190	5.150	3.910	3.370
128	5.690	5.620	4.670	3.530	3.020
129	5.140	5.090	4.210	3.170	2.690
130	4.610	4.570	3.770	2.850	2.380
131	4.130	4.090	3.340	2.540	2.090

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

132	3.670	3.640	2.950	2.240	1.820
133	3.230	3.210	2.590	1.970	1.560
134	2.820	2.800	2.260	1.700	1.320
135	2.440	2.430	1.960	1.470	1.110
136	2.080	2.080	1.670	1.250	0.910
137	1.740	1.750	1.420	1.050	0.740
138	1.430	1.450	1.200	0.870	0.580
139	1.150	1.160	0.990	0.700	0.450
140	0.890	0.900	0.800	0.550	0.330
141	0.670	0.680	0.620	0.410	0.230
142	0.480	0.490	0.460	0.280	0.160
143	0.320	0.350	0.320	0.180	0.120
144	0.200	0.230	0.200	0.110	0.090
145	0.120	0.150	0.120	0.060	0.070
146	0.060	0.090	0.060	0.050	0.050
147	0.040	0.050	0.040	0.040	0.050
148	0.030	0.040	0.040	0.040	0.040
149	0.030	0.030	0.040	0.040	0.040
150	0.030	0.030	0.040	0.040	0.040
151	0.030	0.030	0.040	0.040	0.040
152	0.030	0.030	0.030	0.040	0.040
153	0.030	0.030	0.030	0.040	0.040
154	0.030	0.030	0.030	0.040	0.040
155	0.030	0.030	0.030	0.030	0.040
156	0.030	0.030	0.030	0.030	0.040
157	0.030	0.030	0.030	0.030	0.040
158	0.030	0.030	0.030	0.030	0.040
159	0.030	0.030	0.030	0.030	0.040
160	0.030	0.030	0.030	0.030	0.030
161	0.030	0.030	0.030	0.030	0.030
162	0.030	0.030	0.030	0.030	0.030
163	0.030	0.030	0.030	0.030	0.030
164	0.030	0.030	0.030	0.030	0.030
165	0.030	0.030	0.030	0.030	0.030
166	0.030	0.020	0.030	0.030	0.030
167	0.030	0.020	0.030	0.030	0.030
168	0.030	0.020	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	0.020	0.030	0.030	0.030	0.030
172	0.020	0.030	0.030	0.020	0.030
173	0.020	0.020	0.030	0.020	0.030
174	0.020	0.020	0.020	0.020	0.020
175	0.020	0.020	0.020	0.020	0.020
176	0.020	0.020	0.020	0.020	0.020
177	0.020	0.020	0.020	0.020	0.020
178	0.020	0.020	0.020	0.020	0.020
179	0.030	0.030	0.020	0.020	0.020
180	0.030	0.030	0.030	0.030	0.030

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	202.41	5.70	5.70
0-30	475.24	13.40	13.40
0-40	894.07	25.20	25.20
0-60	2190.82	61.80	61.80
0-80	3257.92	91.90	91.90
0-90	3441.25	97.00	97.00
10-90	3391.89	95.60	95.60
20-40	691.66	19.50	19.50
20-50	1276.02	36.00	36.00
40-70	1954.1	55.10	55.10
60-80	1067.1	30.10	30.10
70-80	409.75	11.60	11.60
80-90	183.33	5.20	5.20
90-110	86.13	2.40	2.40
90-120	97.81	2.80	2.80
90-130	103.65	2.90	2.90
90-150	105.44	3.00	3.00
90-180	105.48	3.00	3.00
110-180	19.34	0.50	0.50
0-180	3546.72	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.36
10-20	153.05
20-30	272.83
30-40	418.83
40-50	584.35
50-60	712.39
60-70	657.35
70-80	409.75
80-90	183.33
90-100	62.19
100-110	23.94
110-120	11.67
120-130	5.84
130-140	1.64
140-150	0.16
150-160	0.02
160-170	0.01
170-180	0.00

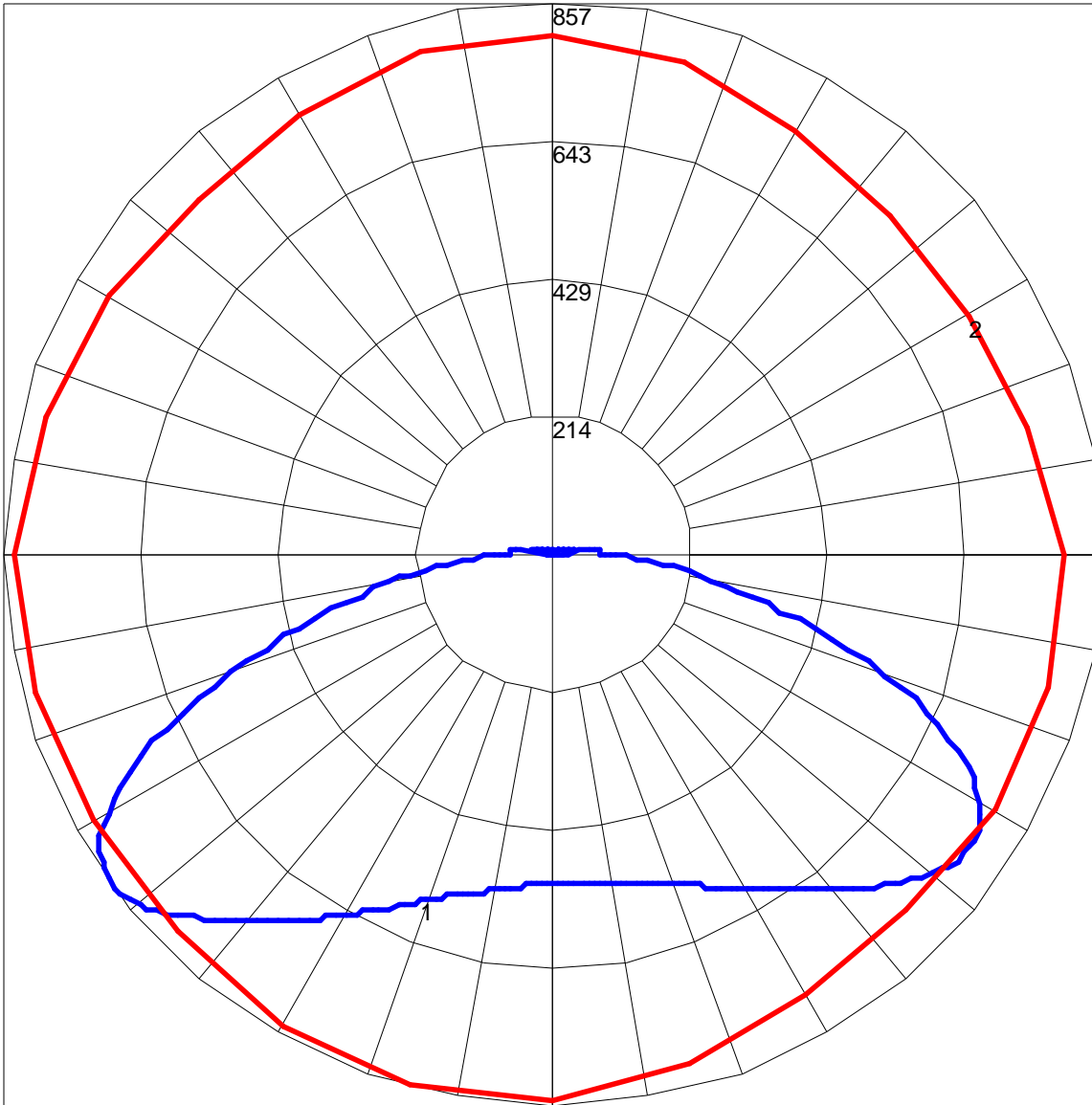
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12PG-LED30DMVXX40.IES

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	97
1	105	99	93	88	102	96	91	87	91	87	83	87	83	80	82	80	77	75
2	93	83	75	68	90	81	73	66	77	70	64	73	67	62	69	65	61	58
3	83	71	61	53	80	69	60	52	65	57	51	62	55	50	59	53	48	46
4	75	61	51	43	72	59	50	42	56	48	41	53	46	40	51	45	39	37
5	68	53	43	35	66	52	42	35	49	41	34	47	39	33	45	38	33	30
6	62	47	37	30	60	46	36	29	44	35	29	41	34	28	40	33	28	25
7	57	42	32	25	55	41	32	25	39	31	24	37	30	24	35	29	24	21
8	53	38	28	22	51	37	28	22	35	27	21	34	26	21	32	25	20	18
9	49	34	25	19	47	33	25	19	32	24	19	31	23	18	29	23	18	16
10	46	31	23	17	44	31	22	17	29	22	16	28	21	16	27	21	16	14

POLAR GRAPH



Maximum Candela = 857.38 Located At Horizontal Angle = 255, Vertical Angle = 53
1 - Vertical Plane Through Horizontal Angles (255 - 75) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (53) (Through Max. Cd.)