



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12PG-LED30DMVXX50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [TESTLAB] Dongguan New Testing Centre Co., Ltd
 [TESTDATE] 18 July 2017
 [ISSUE DATE] 2017-07-20 16:06:51
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM
 [MANUFAC] Mobern Lighting Co.
 [LUMCAT] CPYRA12PG-LED30DMVxx50
 [BALLAST] 100-240Vac,50/60Hz

[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	50.98	50.98	1.41	1.41
[OTHER] 10- 20	156.14	207.11	5.72	5.72
[OTHER] 20- 30	271.71	478.83	13.22	13.22
[OTHER] 30- 40	408.97	887.80	24.51	24.51
[OTHER] 40- 50	571.30	1459.10	40.29	40.29
[OTHER] 50- 60	718.91	2178.01	60.13	60.13
[OTHER] 60- 70	702.09	2880.10	79.52	79.52
[OTHER] 70- 80	440.98	3321.08	91.69	91.69
[OTHER] 80- 90	192.43	3513.51	97.01	97.01
[OTHER] 90-100	63.60	3577.11	98.76	98.76
[OTHER] 100-110	24.57	3601.68	99.44	99.44
[OTHER] 110-120	12.28	3613.96	99.78	99.78
[OTHER] 120-130	6.04	3619.99	99.95	99.95
[OTHER] 130-140	1.70	3621.69	99.99	99.99
[OTHER] 140-150	0.16	3621.85	100.00	100.00
[OTHER] 150-160	0.02	3621.87	100.00	100.00
[OTHER] 160-170	0.01	3621.88	100.00	100.00
[OTHER] 170-180	0.00	3621.88	100.00	100.00
[OTHER]				

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CHARACTERISTICS

Lumens Per Lamp	3621.9 (1 lamp)
Total Lamp Lumens	3621.9
Luminaire Lumens	3622
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	30.6954
Ballast Factor	0.99
CIE Type	Direct
Spacing Criterion (0-180)	2.02
Spacing Criterion (90-270)	1.94
Spacing Criterion (Diagonal)	2.14
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	15005	14233	14425
55	20522	19003	19948
65	24527	23157	24339
75	22493	21938	22969
85	27678	27914	29059

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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	527.468	527.468	527.468	527.468	527.468	527.468	527.468	527.468	527.468	527.468
1	527.730	527.530	527.790	527.510	527.700	527.800	527.260	527.510	527.990	528.050
2	528.500	528.280	528.370	527.930	528.050	528.060	527.770	527.920	528.420	528.470
3	529.000	528.890	528.840	528.700	528.440	528.370	528.020	528.370	529.110	529.230
4	529.710	529.350	529.410	529.260	528.820	528.750	528.380	528.820	529.500	529.460
5	530.820	530.390	530.700	530.230	530.310	530.140	529.220	530.140	530.500	530.810
6	532.500	531.970	532.180	531.640	531.590	531.330	530.590	531.410	531.890	532.320
7	534.230	533.290	532.900	532.420	532.590	532.380	531.710	532.430	532.980	533.600
8	535.920	534.670	533.790	533.160	533.760	533.680	533.130	533.790	533.940	534.500
9	537.570	536.010	534.700	534.060	534.480	535.180	534.450	534.980	535.230	535.630
10	538.900	537.150	535.450	534.730	535.000	535.770	535.550	536.070	536.290	537.300
11	540.410	537.910	536.770	535.650	536.150	537.070	536.610	536.970	537.340	538.350
12	542.160	539.350	537.850	536.660	537.460	538.190	537.860	537.830	538.340	539.590
13	544.120	541.030	539.450	538.030	538.930	539.890	539.280	539.270	539.510	540.800
14	546.490	543.190	541.370	539.750	540.950	541.770	541.060	540.970	541.040	542.570
15	549.330	545.410	543.510	541.930	542.860	543.960	543.150	543.000	543.040	544.470
16	552.120	548.230	546.060	544.460	545.600	546.090	545.430	545.620	545.360	547.360
17	555.390	551.180	549.390	547.380	548.520	548.890	547.840	548.230	548.240	550.370
18	558.960	554.810	552.690	550.060	551.190	552.040	550.490	551.060	551.050	553.400
19	562.250	557.590	555.530	552.710	554.260	554.800	553.130	553.830	553.860	556.120
20	565.780	560.900	558.320	555.540	556.730	557.780	556.380	556.620	556.740	559.150
21	569.840	564.610	561.390	558.440	560.230	560.910	559.480	559.980	559.470	562.130
22	573.840	568.650	564.470	561.480	563.310	564.100	562.800	563.590	563.030	565.510
23	578.320	572.920	568.150	564.770	566.830	567.490	566.090	567.390	566.420	568.940
24	582.840	577.140	572.350	568.540	570.690	571.110	569.830	571.570	570.310	573.240
25	588.090	582.050	576.850	572.990	574.860	574.900	573.890	575.400	574.870	577.790
26	593.170	587.020	581.950	577.620	579.340	579.020	578.270	580.160	579.570	582.800
27	598.640	592.470	587.470	582.370	584.020	583.540	582.760	585.090	584.730	587.960
28	604.300	598.100	592.960	587.430	589.190	588.290	587.490	590.890	590.000	593.320
29	610.430	604.330	598.640	592.920	594.810	593.370	592.500	596.560	595.750	598.890
30	616.930	611.270	605.270	598.890	600.700	598.750	598.030	602.850	601.860	604.930
31	623.800	618.730	612.240	605.790	606.700	604.680	603.760	609.300	608.570	611.750
32	631.210	626.250	619.460	612.600	613.320	610.560	609.900	616.410	616.020	618.950
33	638.610	634.060	627.180	619.400	620.210	617.040	616.380	624.140	623.370	626.560
34	646.140	641.890	634.760	626.350	627.060	623.840	623.130	631.620	631.010	633.890
35	653.880	649.660	642.430	632.860	634.270	630.950	630.240	639.570	638.620	641.080
36	662.160	657.720	649.670	640.300	641.510	638.030	637.280	647.180	646.160	648.440
37	670.700	666.450	657.170	647.800	648.790	646.030	645.170	655.330	653.960	655.960
38	679.870	674.890	665.030	655.290	656.880	654.090	653.140	663.460	661.890	663.370
39	688.890	683.880	672.850	663.090	664.910	662.670	662.120	671.790	669.210	671.420
40	698.790	692.870	680.780	670.860	673.660	672.050	671.280	680.540	677.220	679.250
41	708.280	702.070	688.870	679.150	682.060	681.110	680.590	689.150	685.270	687.520
42	718.990	711.040	697.210	687.410	690.720	690.940	690.690	698.230	693.210	695.630
43	729.620	720.120	705.410	695.660	700.010	700.820	700.950	707.160	701.790	703.970
44	740.120	729.530	713.910	703.430	709.320	710.860	711.080	716.520	710.130	712.140
45	750.300	738.800	721.950	711.710	718.860	720.640	721.300	725.670	717.980	720.100
46	760.930	748.240	730.100	719.600	728.170	730.970	731.700	735.030	726.200	728.170
47	770.960	757.270	737.670	727.230	737.240	741.660	741.750	743.800	734.160	736.010
48	781.280	765.830	744.550	734.380	745.130	752.040	752.150	752.650	741.780	743.680
49	791.500	774.090	751.610	741.420	753.490	762.460	762.690	760.600	748.620	750.160
50	801.150	781.550	757.890	748.360	761.460	772.070	772.920	767.960	755.000	757.300
51	809.600	788.630	764.110	754.210	768.580	780.760	782.230	775.270	761.320	763.060
52	817.590	795.080	769.030	759.780	775.050	788.820	790.780	781.430	766.210	768.680
53	823.840	800.460	773.550	764.390	780.120	795.600	798.170	786.970	770.910	773.420

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CANDELA TABULATION - (Cont.)

54	828.780	804.180	776.980	768.320	784.080	801.280	804.020	791.080	774.620	777.260
55	832.410	806.720	778.600	770.760	786.710	804.690	809.120	793.520	776.790	779.070
56	834.000	808.060	778.840	771.930	788.010	806.850	811.750	794.490	777.220	779.670
57	833.080	807.400	777.890	771.220	787.540	806.370	812.450	794.360	776.660	778.950
58	829.280	805.510	775.270	769.200	785.060	804.750	810.450	792.800	774.630	776.340
59	823.490	801.480	771.320	765.130	780.460	800.860	806.500	788.590	770.690	771.940
60	815.540	794.970	765.130	759.090	773.930	794.570	799.890	782.170	764.730	765.160
61	804.720	786.330	757.030	750.760	765.100	785.510	790.760	773.530	756.840	756.780
62	791.140	774.520	745.550	740.430	753.310	774.330	779.540	762.020	746.400	745.510
63	775.050	760.200	731.750	726.960	738.530	760.010	765.250	747.880	733.510	731.700
64	755.400	743.270	715.420	710.790	720.850	742.780	747.630	730.450	717.450	714.530
65	733.020	723.270	696.410	692.060	700.500	722.350	727.400	710.050	698.620	695.120
66	707.600	700.060	674.740	670.110	677.770	698.180	703.990	686.780	677.150	672.350
67	679.550	673.780	648.830	646.130	651.800	671.770	677.730	660.710	652.430	647.050
68	648.860	644.960	621.590	618.030	623.260	642.410	649.610	631.840	625.220	619.140
69	615.380	613.220	590.900	589.240	592.960	610.200	618.760	600.440	595.450	589.020
70	580.730	579.840	559.170	557.770	560.590	577.350	586.090	567.380	564.130	557.840
71	545.130	544.920	526.380	525.520	528.120	542.870	552.050	533.550	531.230	524.840
72	509.710	509.960	493.420	493.730	495.050	508.500	517.820	499.990	498.730	492.940
73	475.410	475.930	461.070	461.260	462.520	474.870	484.100	466.950	466.780	460.300
74	442.600	443.250	430.040	431.400	432.360	442.600	451.700	435.110	434.800	429.790
75	411.680	412.300	400.750	401.520	402.110	411.260	420.400	404.620	405.450	400.270
76	381.420	382.560	372.050	373.550	373.860	381.920	390.830	375.590	376.780	372.230
77	353.600	354.670	345.390	346.850	346.150	354.230	362.670	348.310	349.750	345.070
78	326.700	328.070	320.070	321.250	321.190	327.920	335.960	322.420	324.120	319.440
79	301.640	303.390	295.890	297.660	296.780	303.160	310.440	298.570	299.930	295.730
80	277.870	279.620	273.410	274.650	273.980	279.580	286.780	275.180	277.100	273.100
81	255.760	257.550	251.900	253.940	252.830	257.230	263.990	253.270	255.610	251.780
82	234.830	236.720	231.790	233.230	232.020	236.360	242.930	232.750	235.430	231.440
83	214.230	215.720	211.870	212.850	212.070	214.680	221.670	212.840	215.310	211.870
84	193.430	194.710	192.480	192.460	191.600	192.990	200.420	192.680	195.190	192.630
85	170.590	173.620	170.250	172.040	168.610	171.280	179.100	169.800	175.030	172.050
86	146.450	149.410	146.560	148.590	145.470	148.130	155.330	146.940	151.900	149.080
87	125.810	128.550	127.160	128.500	125.940	127.850	134.120	127.370	132.060	129.550
88	109.100	111.780	110.610	112.020	109.340	110.920	116.300	110.620	115.200	113.180
89	93.220	95.900	95.490	96.310	93.690	94.490	99.260	94.920	99.140	97.290
90	86.510	87.190	88.970	88.360	87.430	86.690	88.800	88.440	90.220	90.630
91	80.010	81.090	82.580	82.220	81.200	80.550	82.560	82.100	84.040	83.990
92	73.500	75.510	76.190	76.600	74.970	75.000	76.790	75.760	78.210	77.350
93	68.650	70.460	71.080	71.450	69.960	69.920	71.570	70.720	72.870	72.160
94	64.180	65.780	66.410	66.730	65.300	65.360	66.810	65.990	68.060	67.360
95	60.070	61.530	62.080	62.370	59.630	60.900	62.420	61.710	63.440	63.000
96	56.310	57.660	58.040	58.360	41.370	52.390	58.360	47.520	49.400	58.920
97	52.830	54.120	54.370	54.530	28.170	43.890	51.920	8.610	32.430	55.030
98	49.610	50.700	50.980	48.370	18.800	35.380	45.470	5.210	20.940	47.720
99	46.610	47.600	47.750	38.980	13.850	26.880	39.020	2.770	9.590	38.020
100	43.880	44.730	43.970	30.240	16.890	19.290	32.570	13.060	14.630	29.780
101	41.300	42.040	38.530	24.290	19.550	34.700	26.660	23.530	18.780	22.740
102	38.910	39.230	32.290	19.460	21.270	33.590	39.570	34.010	22.240	15.810
103	36.540	35.730	26.870	14.570	23.030	31.510	37.620	32.310	25.470	10.280
104	33.680	31.650	22.220	10.810	25.100	29.580	35.380	30.310	30.110	10.230
105	29.910	27.150	17.370	9.920	27.690	27.770	33.290	28.410	32.850	10.170
106	25.120	21.380	11.080	11.060	30.120	26.030	31.290	26.630	31.490	11.900
107	19.440	15.610	9.090	12.000	28.770	24.360	29.390	24.910	29.580	13.560
108	13.130	9.860	7.100	12.630	27.020	22.790	27.610	23.310	27.720	14.730
109	9.040	4.800	5.110	13.410	25.320	21.320	25.890	21.750	25.980	15.660

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CANDELA TABULATION - (Cont.)

110	4.970	2.200	6.020	14.150	23.720	19.970	24.270	20.290	24.350	17.380
111	0.900	1.490	6.710	15.030	22.180	18.630	22.720	18.890	22.780	19.110
112	0.570	2.130	7.230	17.240	20.710	17.290	21.240	17.570	21.300	20.850
113	1.140	2.790	7.780	17.110	19.340	16.070	19.900	16.320	19.950	19.680
114	1.900	3.360	8.290	16.980	18.040	14.920	18.560	15.140	18.610	18.330
115	2.870	3.890	8.790	16.840	16.800	13.830	17.230	14.040	17.270	17.050
116	3.740	4.410	9.590	15.660	15.630	12.820	16.040	12.990	16.050	15.820
117	4.380	4.990	10.950	14.530	14.500	11.840	14.920	12.000	14.920	14.660
118	4.970	5.950	11.400	13.470	13.440	10.940	13.870	11.060	13.830	13.580
119	5.190	7.180	10.740	12.460	12.440	10.080	12.850	10.180	12.810	12.550
120	5.550	7.730	9.890	11.490	11.500	9.260	11.900	9.410	11.850	11.610
121	5.870	7.520	9.100	10.590	10.610	8.500	11.000	8.640	10.930	10.710
122	5.810	6.900	8.360	9.740	9.760	7.780	10.150	7.870	10.070	9.850
123	5.350	6.300	7.670	8.930	8.990	7.100	9.340	7.180	9.260	9.090
124	4.850	5.750	7.010	8.180	8.220	6.460	8.570	6.540	8.490	8.330
125	4.390	5.240	6.390	7.490	7.500	5.860	7.850	5.940	7.760	7.620
126	3.960	4.770	5.800	6.820	6.840	5.290	7.160	5.380	7.070	6.950
127	3.550	4.320	5.260	6.190	6.200	4.210	6.400	4.200	6.420	6.330
128	3.180	3.910	4.750	5.600	5.590	2.930	4.490	3.160	5.810	5.730
129	2.810	3.500	4.280	5.050	5.010	3.320	0.530	3.520	5.250	5.180
130	2.480	3.130	3.840	4.530	4.470	3.360	1.590	3.300	4.710	4.670
131	2.170	2.770	3.420	4.040	3.960	2.980	3.330	2.860	4.210	4.170
132	1.880	2.430	3.030	3.580	3.480	2.600	2.930	2.480	3.730	3.720
133	1.610	2.120	2.660	3.150	3.040	2.230	2.560	2.120	3.290	3.280
134	1.360	1.830	2.320	2.750	2.630	1.900	2.210	1.800	2.870	2.880
135	1.130	1.580	2.000	2.360	2.250	1.610	1.880	1.510	2.470	2.490
136	0.930	1.350	1.710	2.010	1.900	1.340	1.570	1.260	2.110	2.140
137	0.760	1.130	1.430	1.680	1.590	1.090	1.290	1.050	1.770	1.800
138	0.610	0.930	1.170	1.380	1.310	0.880	1.030	0.860	1.460	1.490
139	0.470	0.750	0.950	1.090	1.050	0.690	0.800	0.710	1.170	1.210
140	0.360	0.580	0.760	0.840	0.820	0.540	0.580	0.560	0.920	0.950
141	0.270	0.430	0.580	0.620	0.610	0.420	0.400	0.430	0.690	0.720
142	0.200	0.300	0.420	0.440	0.430	0.310	0.260	0.320	0.500	0.520
143	0.150	0.190	0.290	0.310	0.270	0.210	0.160	0.210	0.340	0.370
144	0.110	0.110	0.180	0.200	0.160	0.130	0.090	0.130	0.220	0.240
145	0.080	0.060	0.100	0.130	0.080	0.060	0.050	0.070	0.140	0.160
146	0.050	0.050	0.060	0.070	0.040	0.040	0.040	0.050	0.080	0.100
147	0.050	0.040	0.040	0.040	0.040	0.030	0.040	0.050	0.050	0.060
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	0.040	0.030	0.040	0.050	0.050	0.050
151	0.040	0.040	0.040	0.030	0.040	0.030	0.040	0.050	0.050	0.050
152	0.040	0.040	0.040	0.030	0.040	0.030	0.040	0.050	0.050	0.050
153	0.040	0.040	0.040	0.030	0.040	0.030	0.040	0.040	0.050	0.050
154	0.040	0.040	0.040	0.030	0.030	0.030	0.040	0.040	0.050	0.050
155	0.040	0.040	0.040	0.040	0.030	0.030	0.030	0.040	0.050	0.050
156	0.040	0.040	0.030	0.040	0.030	0.030	0.030	0.040	0.050	0.050
157	0.040	0.040	0.030	0.040	0.030	0.030	0.030	0.040	0.050	0.050
158	0.040	0.040	0.030	0.040	0.030	0.030	0.030	0.040	0.050	0.050
159	0.040	0.040	0.030	0.040	0.030	0.030	0.030	0.040	0.050	0.050
160	0.040	0.040	0.030	0.030	0.030	0.030	0.040	0.040	0.050	0.050
161	0.040	0.040	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
162	0.040	0.040	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
163	0.040	0.040	0.040	0.030	0.030	0.030	0.040	0.050	0.050	0.050
164	0.040	0.040	0.040	0.030	0.030	0.030	0.040	0.050	0.050	0.050
165	0.040	0.040	0.040	0.030	0.030	0.030	0.040	0.050	0.050	0.050

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

166	0.040	0.040	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
167	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
168	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
169	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
170	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
171	0.030	0.030	0.030	0.030	0.030	0.030	0.040	0.050	0.050	0.050
172	0.030	0.030	0.030	0.020	0.030	0.030	0.040	0.050	0.050	0.050
173	0.030	0.030	0.030	0.020	0.020	0.020	0.040	0.050	0.040	0.040
174	0.030	0.030	0.020	0.020	0.020	0.020	0.040	0.040	0.040	0.040
175	0.030	0.020	0.020	0.020	0.020	0.020	0.040	0.040	0.040	0.040
176	0.020	0.020	0.020	0.020	0.020	0.020	0.030	0.040	0.040	0.040
177	0.020	0.020	0.020	0.020	0.020	0.020	0.030	0.030	0.030	0.040
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	0.030	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	527.468	527.468	527.468	527.468	527.468	527.468	527.468	527.468	527.468	527.468
1	527.060	527.860	527.260	527.620	527.550	527.480	527.510	528.010	528.140	527.560
2	527.820	528.520	528.150	528.160	528.500	528.590	528.640	529.040	529.160	528.570
3	528.870	529.350	529.080	529.490	529.730	529.900	529.570	530.050	530.350	529.670
4	529.520	530.270	529.880	530.340	530.780	531.110	530.470	530.930	531.090	531.050
5	530.600	531.380	531.050	531.590	531.630	532.180	531.450	532.220	532.510	532.240
6	532.450	533.050	532.710	533.530	533.320	534.010	533.660	534.140	534.560	534.000
7	533.900	535.160	534.980	535.500	535.430	536.060	535.840	536.320	536.850	535.910
8	535.470	536.870	536.920	537.270	537.310	537.900	537.600	538.350	538.970	537.720
9	536.900	538.850	538.650	539.240	538.630	539.530	539.530	540.560	540.940	539.600
10	538.470	540.640	540.660	541.040	540.500	541.430	541.830	542.480	542.770	541.270
11	539.790	542.380	542.550	542.780	542.390	543.240	543.790	544.680	544.780	542.840
12	541.300	544.320	544.510	544.410	544.470	545.020	545.550	546.820	546.760	544.280
13	542.950	546.330	546.470	546.310	546.010	546.700	547.680	549.020	549.180	546.420
14	544.570	548.500	548.790	548.400	547.960	548.800	549.700	551.480	551.700	548.570
15	547.030	550.930	551.410	550.610	550.040	551.540	552.350	554.410	554.910	551.140
16	549.780	553.620	554.160	553.440	552.610	554.090	555.110	557.420	557.940	553.900
17	552.810	556.760	556.770	556.620	555.750	557.070	558.520	560.580	561.570	557.260
18	556.340	560.260	560.200	560.180	559.560	560.880	562.080	564.240	565.170	560.820
19	559.300	563.540	563.950	563.790	563.020	564.760	566.110	567.990	568.890	564.440
20	562.550	567.430	567.640	567.300	566.640	567.890	569.630	572.390	572.920	568.030
21	566.030	571.240	571.510	571.040	570.010	571.660	573.430	576.500	577.280	572.460
22	569.820	575.300	575.580	575.110	573.870	575.740	577.530	580.740	581.520	576.800
23	573.810	579.260	579.400	579.350	577.650	579.800	581.830	585.240	585.770	581.310
24	578.140	583.250	583.570	584.090	581.620	583.840	586.230	589.970	590.460	585.590
25	583.050	587.980	588.300	588.680	585.900	588.490	591.190	594.920	595.410	590.720
26	587.630	593.020	593.400	594.030	591.240	593.810	596.220	600.040	600.620	595.720
27	592.670	598.140	598.570	599.170	596.680	599.440	601.540	605.190	606.420	601.030
28	597.970	603.380	604.010	604.570	602.430	605.130	607.130	610.630	611.930	606.960
29	603.480	608.810	609.500	610.260	608.310	611.120	613.060	616.720	617.960	613.370
30	610.040	614.680	615.180	616.680	614.890	617.640	619.590	622.930	624.520	620.180
31	616.500	620.790	621.470	623.640	621.350	624.870	626.760	629.290	631.820	627.410
32	623.620	627.680	628.200	630.800	628.740	632.010	634.430	636.280	639.290	634.930
33	631.030	634.460	635.340	638.660	636.430	639.960	642.290	643.270	646.960	642.790
34	638.870	641.770	642.390	647.050	644.700	648.030	650.150	651.310	654.760	651.000
35	646.670	649.600	650.230	655.550	652.860	655.860	658.340	659.670	662.220	659.150
36	654.520	657.430	657.800	663.770	661.080	663.930	666.800	668.190	670.620	667.650

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	662.380	665.890	666.030	671.920	669.480	672.220	675.370	676.980	679.080	676.520
38	670.470	674.030	674.270	680.490	677.320	679.910	684.180	685.880	688.100	685.110
39	678.710	682.840	683.220	689.050	685.390	687.910	693.070	695.330	697.560	694.190
40	687.630	691.990	692.360	697.960	693.370	696.670	702.480	705.030	707.310	702.930
41	695.810	701.280	701.930	706.870	702.090	705.500	712.050	715.220	717.680	712.180
42	704.810	711.510	711.980	716.240	710.390	714.160	721.940	725.740	728.230	721.750
43	714.260	721.230	722.170	725.460	719.220	722.790	732.080	736.780	739.220	731.530
44	723.480	731.170	732.870	734.830	728.290	731.870	741.650	747.850	749.620	740.650
45	733.370	741.370	743.650	744.640	736.680	740.520	751.580	759.220	761.080	750.070
46	742.400	751.230	753.840	753.820	745.180	748.850	761.900	770.220	771.870	759.170
47	751.960	761.580	764.060	762.990	753.130	756.950	771.990	781.270	782.920	768.450
48	760.790	772.000	774.480	772.040	760.800	764.640	781.470	792.460	793.430	777.070
49	769.230	782.430	785.280	780.970	768.110	771.650	790.510	803.540	803.930	785.800
50	777.510	791.840	795.750	788.830	775.450	778.370	799.320	814.350	814.020	793.020
51	784.690	801.760	805.140	796.160	781.480	784.660	807.050	824.630	822.640	799.410
52	791.170	809.990	814.370	802.510	787.250	790.110	813.820	833.560	830.700	805.620
53	796.690	817.000	822.170	807.890	791.630	794.780	819.540	840.960	837.640	811.100
54	801.000	822.580	828.370	812.640	795.740	798.390	823.860	846.930	842.250	815.720
55	804.180	826.900	833.240	815.740	798.370	800.790	826.750	850.480	845.850	818.080
56	805.450	828.980	836.420	817.310	798.720	801.340	827.740	852.000	847.460	818.450
57	805.340	829.330	836.910	817.150	797.780	800.040	827.000	851.680	846.610	817.490
58	802.870	827.520	835.050	814.920	795.380	797.160	823.890	848.910	842.310	815.220
59	798.660	823.170	830.450	811.210	791.430	792.390	819.000	843.920	835.780	810.910
60	792.050	816.220	822.850	805.460	785.290	785.700	811.610	836.030	826.340	804.450
61	783.030	806.860	813.470	796.900	777.260	776.890	801.990	825.360	814.480	795.420
62	771.370	794.850	800.050	785.390	766.630	765.550	789.570	812.470	799.630	783.480
63	757.120	779.950	784.480	770.960	753.140	751.460	774.260	796.260	782.150	769.290
64	739.460	761.650	766.670	754.010	736.530	734.630	755.790	776.850	761.220	752.030
65	719.230	740.370	744.650	733.640	717.990	714.680	734.590	753.910	737.790	732.660
66	695.860	715.620	720.210	709.130	695.590	691.170	709.850	727.830	710.890	709.200
67	669.680	687.930	692.380	682.550	670.490	665.160	682.680	698.730	681.260	683.730
68	641.050	657.040	662.140	652.870	642.280	635.950	653.290	666.880	649.650	654.020
69	610.260	623.810	630.050	621.340	611.580	605.530	621.130	632.160	615.290	623.140
70	577.850	589.350	595.100	587.220	579.530	572.590	587.980	596.650	580.480	589.170
71	544.330	553.670	560.460	552.550	546.550	539.450	553.210	560.250	544.440	555.470
72	510.190	518.210	524.170	517.440	512.630	505.830	519.070	524.320	508.940	520.530
73	477.040	483.090	489.620	482.790	479.010	472.560	484.840	488.590	475.130	486.970
74	444.770	449.340	455.280	448.910	446.160	440.340	452.280	454.530	441.840	453.590
75	414.060	416.990	423.160	417.060	415.340	409.700	420.700	422.130	410.490	421.480
76	384.150	386.650	392.200	386.970	385.610	380.880	390.810	391.460	380.980	391.590
77	356.300	357.550	363.110	358.270	357.860	353.040	362.430	362.660	353.160	363.140
78	329.540	330.670	335.640	330.930	330.910	326.900	335.330	335.460	326.640	336.490
79	304.800	304.980	309.760	305.810	306.400	302.240	309.950	309.910	301.220	311.050
80	281.180	281.010	285.450	281.530	282.640	278.860	286.180	285.450	277.680	287.010
81	259.210	258.360	262.620	259.150	260.540	257.020	263.800	262.900	255.560	264.730
82	238.330	237.110	241.080	238.190	239.970	236.540	242.800	241.660	234.750	243.430
83	217.710	216.960	220.360	218.110	220.520	216.890	222.880	221.100	214.630	223.310
84	197.090	196.310	199.650	198.430	201.060	197.890	202.950	201.440	194.590	203.190
85	176.470	174.390	178.890	178.290	181.580	178.970	183.030	180.840	172.750	183.010
86	153.120	151.020	155.330	155.250	159.800	157.380	161.230	158.030	149.950	159.970
87	132.480	130.110	134.160	134.030	138.420	136.180	139.380	136.140	128.930	137.480
88	115.460	113.100	116.120	116.510	120.540	118.610	120.930	117.720	111.700	119.170
89	98.960	96.410	99.510	99.700	104.110	101.830	103.820	100.220	94.330	102.590
90	88.930	89.210	87.560	91.970	91.220	89.580	89.370	91.820	87.250	88.910
91	82.700	82.150	81.400	84.340	84.960	83.730	83.040	83.690	80.370	82.650
92	77.030	75.090	75.670	76.720	79.170	78.010	77.350	75.550	73.490	76.930

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CANDELA TABULATION - (Cont.)

93	71.730	69.930	70.490	71.460	73.810	72.730	72.120	70.410	68.550	71.830
94	67.020	65.270	65.840	66.740	69.010	68.020	67.420	65.820	64.080	67.000
95	62.620	61.030	61.480	62.430	64.470	63.650	60.930	61.500	60.010	62.300
96	58.660	57.140	57.590	58.440	60.340	59.600	40.650	40.890	48.030	41.950
97	54.930	53.510	53.920	54.810	56.530	54.350	26.700	6.510	10.270	21.600
98	51.550	50.240	50.610	51.450	53.020	44.410	14.780	5.230	5.030	1.360
99	48.290	47.150	47.520	48.280	49.150	33.820	10.520	4.260	0.670	3.960
100	44.050	44.350	44.670	45.390	43.430	26.440	18.530	14.230	13.230	6.860
101	38.640	41.580	42.070	41.990	36.370	20.480	22.090	24.230	25.980	31.290
102	32.460	38.350	39.430	37.830	29.870	14.120	24.430	34.230	38.730	35.360
103	26.090	34.240	36.450	33.090	23.800	10.720	26.980	32.460	36.810	33.230
104	19.720	29.280	32.320	28.010	17.740	10.740	29.850	30.540	34.690	31.230
105	13.350	23.020	25.830	22.050	11.700	12.790	32.980	28.730	32.690	29.390
106	7.010	15.730	19.350	14.910	6.860	13.910	32.090	27.000	30.800	27.620
107	4.300	8.390	12.860	10.580	5.430	14.700	30.210	25.380	29.010	25.930
108	4.260	5.000	6.450	6.330	6.290	15.610	28.440	23.800	27.300	24.300
109	5.710	1.680	2.600	2.090	7.450	16.470	26.730	22.340	25.660	22.790
110	6.970	1.400	0.650	2.270	8.250	17.940	25.130	20.930	24.080	21.330
111	7.990	2.270	0.630	3.170	8.860	20.720	23.560	19.550	22.590	19.980
112	8.670	3.090	1.270	3.950	9.460	21.590	22.100	18.280	21.110	18.630
113	9.270	3.900	2.150	4.580	10.020	20.450	20.720	17.040	19.760	17.290
114	9.930	4.640	3.250	5.180	10.600	19.100	19.440	15.860	18.470	16.080
115	11.150	5.260	4.470	5.750	11.630	17.820	18.160	14.770	17.250	14.950
116	12.300	5.870	5.560	6.320	12.760	16.590	16.880	13.720	16.070	13.860
117	12.580	6.830	6.080	7.180	12.990	15.420	15.760	12.740	14.950	12.830
118	11.740	7.730	6.480	8.040	12.150	14.310	14.660	11.800	13.910	11.850
119	10.850	8.030	6.950	8.290	11.250	13.260	13.640	10.920	12.930	10.940
120	10.010	7.640	7.040	7.860	10.420	12.260	12.670	10.090	11.990	10.070
121	9.230	7.020	6.730	7.280	9.630	11.340	11.750	9.350	11.110	9.270
122	8.490	6.450	6.180	6.710	8.870	10.460	10.880	8.610	10.280	8.510
123	7.810	5.900	5.640	6.150	8.160	9.680	10.050	7.870	9.540	7.800
124	7.170	5.410	5.120	5.640	7.500	8.900	9.270	7.220	8.800	7.120
125	6.560	4.930	4.640	5.160	6.870	8.130	8.530	6.580	8.070	6.480
126	6.000	4.500	4.190	4.700	6.290	7.430	7.820	5.980	7.350	5.890
127	5.460	4.080	3.780	4.270	5.740	6.790	7.150	4.600	5.800	5.030
128	4.960	3.690	3.400	3.870	5.210	6.190	6.520	2.940	1.790	3.010
129	4.480	3.320	3.040	3.490	4.730	5.620	5.930	3.830	1.190	2.850
130	4.020	2.990	2.700	3.140	4.270	5.090	5.360	3.870	3.780	3.640
131	3.580	2.670	2.390	2.800	3.830	4.590	4.830	3.490	3.530	3.230
132	3.170	2.370	2.090	2.490	3.420	4.110	4.320	3.060	3.140	2.850
133	2.790	2.080	1.810	2.190	3.040	3.660	3.840	2.720	2.770	2.490
134	2.430	1.820	1.560	1.920	2.680	3.230	3.370	2.390	2.420	2.160
135	2.100	1.570	1.320	1.660	2.350	2.830	2.940	2.090	2.090	1.890
136	1.800	1.350	1.110	1.440	2.040	2.460	2.530	1.810	1.790	1.630
137	1.530	1.140	0.920	1.240	1.750	2.110	2.160	1.560	1.500	1.430
138	1.290	0.950	0.750	1.050	1.470	1.780	1.830	1.320	1.240	1.230
139	1.070	0.780	0.590	0.880	1.220	1.470	1.530	1.110	1.000	1.060
140	0.870	0.620	0.450	0.710	1.000	1.190	1.240	0.930	0.780	0.920
141	0.690	0.470	0.330	0.570	0.790	0.930	0.980	0.770	0.580	0.790
142	0.520	0.340	0.250	0.440	0.620	0.700	0.750	0.620	0.410	0.660
143	0.370	0.230	0.190	0.320	0.470	0.510	0.550	0.470	0.270	0.510
144	0.240	0.150	0.150	0.230	0.330	0.360	0.370	0.250	0.170	0.280
145	0.150	0.090	0.120	0.150	0.230	0.240	0.230	0.040	0.050	0.030
146	0.080	0.070	0.090	0.090	0.150	0.160	0.130	0.040	0.030	0.030
147	0.050	0.060	0.070	0.060	0.090	0.090	0.070	0.040	0.030	0.030
148	0.050	0.060	0.060	0.060	0.050	0.050	0.050	0.040	0.030	0.030

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CANDELA TABULATION - (Cont.)

149	0.050	0.060	0.050	0.050	0.050	0.050	0.050	0.040	0.030	0.030
150	0.050	0.060	0.050	0.050	0.050	0.050	0.050	0.040	0.030	0.030
151	0.050	0.060	0.050	0.050	0.050	0.050	0.050	0.040	0.030	0.030
152	0.050	0.060	0.050	0.050	0.050	0.050	0.050	0.040	0.030	0.030
153	0.050	0.060	0.050	0.050	0.050	0.050	0.040	0.040	0.030	0.030
154	0.050	0.060	0.050	0.050	0.050	0.050	0.040	0.040	0.030	0.030
155	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.030	0.030
156	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.030	0.030
157	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.030	0.030
158	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.030	0.030
159	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.030	0.030
160	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.030	0.030
161	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
162	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
163	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
164	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.030	0.030
165	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.020	0.030
166	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.020	0.030
167	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.050	0.020	0.030
168	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.050	0.020	0.030
169	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.020	0.030
170	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.020	0.030
171	0.050	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.020	0.020
172	0.040	0.050	0.050	0.050	0.050	0.050	0.040	0.040	0.020	0.020
173	0.040	0.050	0.040	0.050	0.040	0.040	0.040	0.040	0.020	0.020
174	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.030	0.020	0.020
175	0.040	0.040	0.040	0.040	0.040	0.040	0.030	0.030	0.020	0.020
176	0.040	0.040	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	0.030	0.030	0.030	0.030	0.020	0.020
178	0.030	0.030	0.030	0.030	0.020	0.030	0.030	0.030	0.020	0.030
179	0.030	0.030	0.030	0.030	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>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	527.468	527.468	527.468	527.468	527.468
1	528.210	528.030	527.650	528.220	527.730
2	529.070	528.920	528.710	528.700	528.500
3	530.480	529.800	529.680	529.380	529.000
4	531.530	530.710	530.330	530.080	529.710
5	532.740	531.830	531.660	531.200	530.820
6	534.810	533.590	533.410	532.870	532.500
7	536.260	535.400	535.170	534.710	534.230
8	537.670	537.120	536.970	536.760	535.920
9	539.080	538.630	538.860	538.530	537.570
10	540.850	540.160	540.520	540.250	538.900
11	542.550	541.640	542.010	541.800	540.410
12	544.080	543.230	543.710	543.450	542.160
13	545.790	544.930	545.560	545.540	544.120
14	548.040	547.060	547.950	547.850	546.490
15	550.280	549.540	550.520	550.550	549.330
16	553.460	552.730	553.680	553.640	552.120
17	556.890	556.000	557.210	556.710	555.390
18	560.320	559.660	560.810	560.510	558.960
19	563.700	562.890	564.190	564.500	562.250

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CANDELA TABULATION - (Cont.)

20	567.490	566.370	567.770	568.560	565.780
21	571.180	570.230	571.800	572.830	569.840
22	574.850	573.880	576.090	576.760	573.840
23	578.660	577.870	580.540	581.070	578.320
24	583.030	582.220	584.980	585.500	582.840
25	588.000	587.100	590.200	590.380	588.090
26	593.020	592.350	595.420	595.530	593.170
27	598.510	598.070	600.710	601.000	598.640
28	604.530	603.830	606.270	606.670	604.300
29	610.730	609.940	612.680	612.450	610.430
30	617.360	616.470	619.500	618.710	616.930
31	624.390	623.360	626.790	625.060	623.800
32	632.310	630.850	634.340	632.200	631.210
33	639.990	638.240	642.180	639.720	638.610
34	648.020	645.980	650.060	647.550	646.140
35	656.430	653.710	658.030	656.220	653.880
36	664.860	661.540	666.190	664.200	662.160
37	672.680	669.420	674.330	672.930	670.700
38	680.270	677.230	682.880	681.580	679.870
39	688.190	685.320	691.720	690.780	688.890
40	696.480	693.560	700.760	700.720	698.790
41	705.140	701.950	709.680	710.190	708.280
42	713.840	710.440	719.240	720.330	718.990
43	722.490	718.820	728.140	730.520	729.620
44	730.700	727.170	738.080	740.960	740.120
45	738.980	735.050	747.610	751.000	750.300
46	746.750	742.950	757.020	761.560	760.930
47	754.800	750.430	766.090	772.110	770.960
48	762.200	757.530	774.610	782.360	781.280
49	769.060	764.680	782.800	792.540	791.500
50	774.970	771.090	790.680	802.490	801.150
51	780.620	776.810	797.220	811.660	809.600
52	785.520	781.900	803.240	819.440	817.590
53	790.110	786.270	807.990	826.210	823.840
54	792.900	789.880	811.920	831.170	828.780
55	794.850	792.080	814.210	834.790	832.410
56	794.620	792.980	814.610	837.050	834.000
57	793.040	791.860	813.380	836.590	833.080
58	789.970	788.820	810.130	833.970	829.280
59	785.520	784.660	804.690	829.160	823.490
60	778.870	777.800	796.960	821.690	815.540
61	769.480	768.730	786.810	812.410	804.720
62	757.390	757.430	774.120	800.130	791.140
63	743.000	743.870	758.420	784.900	775.050
64	726.370	726.990	740.480	766.750	755.400
65	706.740	707.570	719.230	745.080	733.020
66	684.040	685.010	694.970	719.990	707.600
67	658.490	659.380	668.190	691.970	679.550
68	630.870	631.720	638.350	660.890	648.860
69	600.020	601.910	606.930	627.760	615.380
70	568.150	570.340	573.660	592.340	580.730
71	535.090	536.690	539.800	556.690	545.130
72	501.840	503.470	505.600	520.890	509.710
73	469.160	470.610	472.760	485.550	475.410
74	437.870	439.460	440.570	452.370	442.600
75	407.910	409.420	410.150	419.930	411.680

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CANDELA TABULATION - (Cont.)

76	379.210	380.650	380.690	389.680	381.420
77	351.980	353.510	352.880	361.200	353.600
78	326.410	327.410	326.980	333.610	326.700
79	301.900	303.010	301.960	308.390	301.640
80	278.950	280.050	279.140	284.090	277.870
81	257.640	258.440	257.170	261.820	255.760
82	236.990	237.940	236.360	240.460	234.830
83	217.630	218.340	216.680	219.150	214.230
84	198.370	198.740	196.880	197.830	193.430
85	178.500	179.050	175.710	176.500	170.590
86	155.090	155.690	150.900	152.310	146.450
87	133.400	133.740	129.820	130.490	125.810
88	116.280	116.030	112.550	112.800	109.100
89	99.930	100.050	96.240	96.680	93.220
90	92.100	88.680	89.090	86.390	86.510
91	84.520	82.660	82.200	80.380	80.010
92	76.930	76.990	75.310	74.880	73.500
93	71.880	71.950	70.320	69.930	68.650
94	67.100	67.270	65.720	65.330	64.180
95	62.820	62.960	61.570	61.150	60.070
96	52.530	59.010	57.650	57.270	56.310
97	33.990	55.300	54.140	53.720	52.830
98	22.930	50.870	50.810	50.510	49.610
99	13.050	42.460	47.750	47.480	46.610
100	14.770	33.480	44.350	44.680	43.880
101	18.320	26.270	39.520	42.020	41.300
102	21.590	20.460	33.950	39.340	38.910
103	24.480	16.470	28.350	36.140	36.540
104	27.560	11.950	23.240	32.320	33.680
105	30.810	9.960	18.460	27.830	29.910
106	31.530	10.910	12.860	22.100	25.120
107	29.640	12.510	10.280	16.370	19.440
108	27.840	14.000	7.730	10.650	13.130
109	26.160	14.670	5.190	5.390	9.040
110	24.530	15.340	6.370	2.500	4.970
111	22.980	16.500	7.460	1.700	0.900
112	21.500	18.990	8.210	2.480	0.570
113	20.120	18.490	8.710	3.260	1.140
114	18.790	17.980	9.240	4.010	1.900
115	17.520	17.480	9.970	4.650	2.870
116	16.330	16.230	10.920	5.140	3.740
117	15.180	15.040	11.660	5.610	4.380
118	14.110	13.940	11.620	6.100	4.970
119	13.090	12.900	10.710	6.770	5.190
120	12.130	11.910	9.840	7.230	5.550
121	11.210	10.990	9.080	7.100	5.870
122	10.360	10.130	8.380	6.540	5.810
123	9.590	9.310	7.710	5.980	5.350
124	8.830	8.540	7.080	5.460	4.850
125	8.060	7.830	6.470	4.980	4.390
126	7.370	7.150	5.910	4.520	3.960
127	6.720	6.510	5.370	4.100	3.550
128	6.090	5.920	4.850	3.710	3.180
129	5.510	5.360	4.370	3.330	2.810
130	4.960	4.840	3.910	2.970	2.480
131	4.450	4.350	3.480	2.630	2.170

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

132	3.970	3.880	3.080	2.320	1.880
133	3.530	3.440	2.700	2.030	1.610
134	3.100	3.030	2.360	1.750	1.360
135	2.720	2.650	2.040	1.500	1.130
136	2.340	2.290	1.740	1.280	0.930
137	1.990	1.950	1.460	1.070	0.760
138	1.670	1.640	1.200	0.870	0.610
139	1.380	1.340	0.980	0.700	0.470
140	1.120	1.070	0.780	0.540	0.360
141	0.880	0.820	0.600	0.390	0.270
142	0.670	0.600	0.440	0.260	0.200
143	0.490	0.420	0.290	0.160	0.150
144	0.330	0.290	0.180	0.090	0.110
145	0.210	0.190	0.100	0.060	0.080
146	0.120	0.120	0.050	0.050	0.050
147	0.070	0.060	0.040	0.040	0.050
148	0.040	0.040	0.040	0.040	0.040
149	0.040	0.040	0.040	0.040	0.040
150	0.040	0.030	0.040	0.040	0.040
151	0.030	0.030	0.040	0.040	0.040
152	0.030	0.030	0.040	0.040	0.040
153	0.030	0.030	0.040	0.040	0.040
154	0.030	0.030	0.030	0.040	0.040
155	0.030	0.030	0.030	0.040	0.040
156	0.030	0.030	0.030	0.040	0.040
157	0.030	0.030	0.030	0.040	0.040
158	0.030	0.030	0.030	0.040	0.040
159	0.030	0.030	0.030	0.040	0.040
160	0.030	0.030	0.040	0.040	0.040
161	0.030	0.030	0.040	0.040	0.040
162	0.030	0.030	0.040	0.040	0.040
163	0.030	0.030	0.040	0.040	0.040
164	0.030	0.030	0.040	0.040	0.040
165	0.030	0.030	0.030	0.030	0.040
166	0.030	0.030	0.030	0.030	0.040
167	0.030	0.030	0.030	0.030	0.030
168	0.030	0.030	0.030	0.030	0.030
169	0.030	0.030	0.030	0.030	0.030
170	0.030	0.030	0.030	0.030	0.030
171	0.030	0.030	0.030	0.030	0.030
172	0.030	0.030	0.030	0.030	0.030
173	0.030	0.030	0.030	0.030	0.030
174	0.030	0.030	0.030	0.030	0.030
175	0.020	0.020	0.030	0.020	0.030
176	0.020	0.020	0.020	0.020	0.020
177	0.020	0.020	0.020	0.020	0.020
178	0.030	0.030	0.020	0.020	0.020
179	0.030	0.030	0.030	0.030	0.020
180	0.030	0.030	0.030	0.030	0.030

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	207.11	5.70	5.70
0-30	478.83	13.20	13.20
0-40	887.80	24.50	24.50
0-60	2178.01	60.10	60.10
0-80	3321.07	91.70	91.70
0-90	3513.51	97.00	97.00
10-90	3462.53	95.60	95.60
20-40	680.68	18.80	18.80
20-50	1251.98	34.60	34.60
40-70	1992.3	55.00	55.00
60-80	1143.06	31.60	31.60
70-80	440.98	12.20	12.20
80-90	192.43	5.30	5.30
90-110	88.17	2.40	2.40
90-120	100.45	2.80	2.80
90-130	106.49	2.90	2.90
90-150	108.34	3.00	3.00
90-180	108.38	3.00	3.00
110-180	20.21	0.60	0.60
0-180	3621.88	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.98
10-20	156.14
20-30	271.71
30-40	408.97
40-50	571.30
50-60	718.91
60-70	702.09
70-80	440.98
80-90	192.43
90-100	63.60
100-110	24.57
110-120	12.28
120-130	6.04
130-140	1.70
140-150	0.16
150-160	0.02
160-170	0.01
170-180	0.00

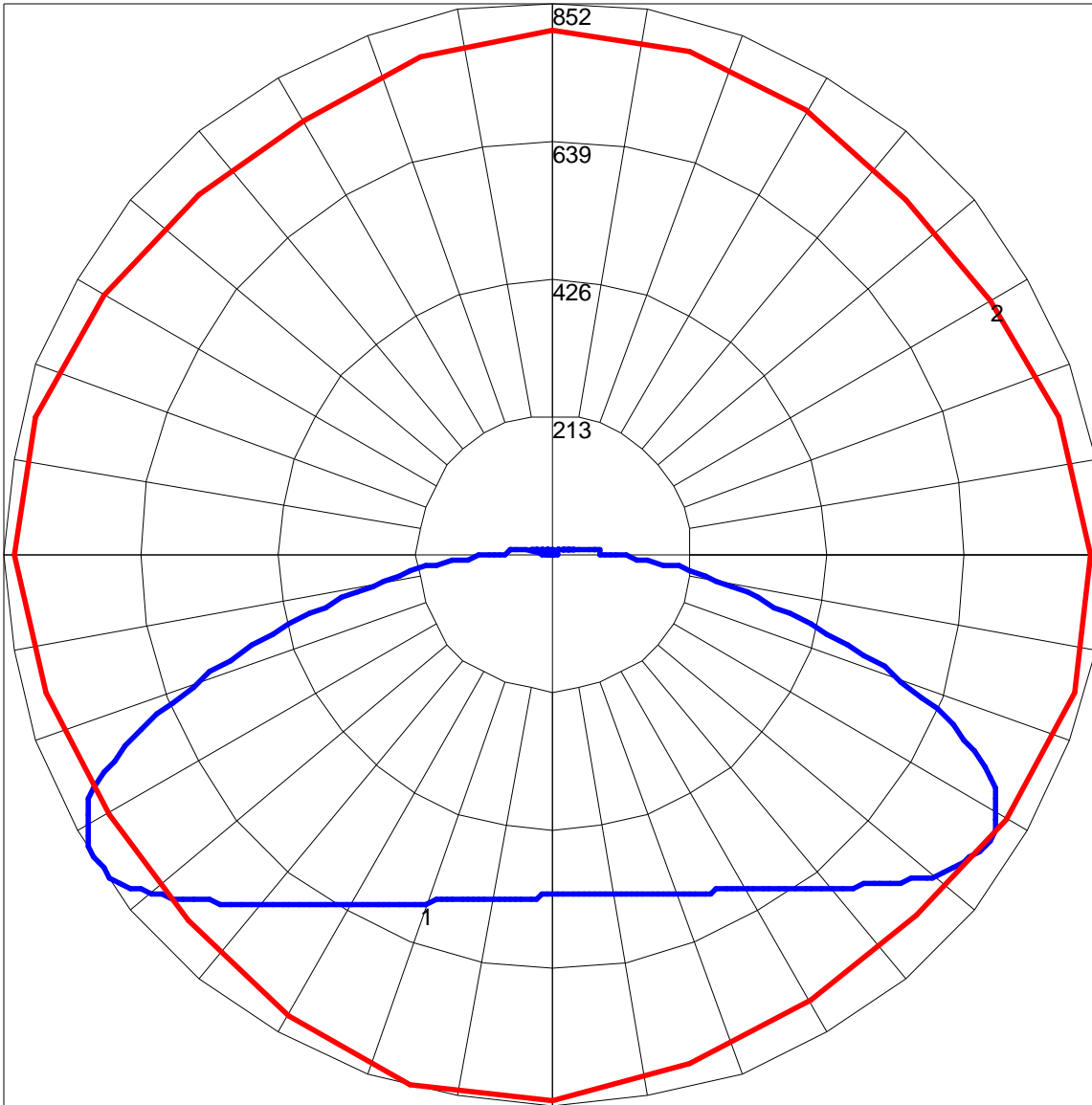
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12PG-LED30DMVXX50.IES

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	98	93	88	101	96	91	86	91	87	83	86	83	80	82	79	77	74
2	93	83	74	67	90	80	72	66	76	69	64	72	67	62	69	64	60	57
3	83	70	60	52	80	68	59	52	65	57	50	61	55	49	58	52	48	45
4	75	60	50	42	72	59	49	42	56	47	41	53	46	40	50	44	39	36
5	68	53	42	35	65	51	41	34	49	40	33	46	39	33	44	37	32	30
6	62	47	36	29	59	45	36	29	43	35	28	41	33	28	39	32	27	25
7	57	42	32	25	55	40	31	24	39	30	24	37	29	24	35	28	23	21
8	52	37	28	21	51	36	27	21	35	27	21	33	26	20	32	25	20	18
9	49	34	25	19	47	33	24	19	32	24	18	30	23	18	29	22	18	16
10	45	31	22	17	44	30	22	16	29	21	16	28	21	16	27	20	16	14

POLAR GRAPH



Maximum Candela = 852 Located At Horizontal Angle = 255, Vertical Angle = 56
1 - Vertical Plane Through Horizontal Angles (255 - 75) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (56) (Through Max. Cd.)