



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 2017-5-18 16:08
 [MANUFAC]
 [LUMCAT]
 [LUMINAIRE] CPYRA12-LED30DMVxx50
 [LAMPCAT] L130-5070-Qμμ
 [LAMP] DIM35W12S-750
 [VOLTAGE] 121.1 V
 [CURRENT] 0.242 A
 [POWERFACTOR] 0.995
 [TESTLAB]
 [TESTINST] GPM-1800B
 [TESTDIST] 11.672 m

CHARACTERISTICS

Lumens Per Lamp	3783.3 (1 lamp)
Total Lamp Lumens	3783.3
Luminaire Lumens	3783
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	29.13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.50
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

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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	1047.38	1048.26	1046.82	1047.10	1047.63	1046.58	1047.38	1048.26	1046.82	1047.10
1	1047.07	1046.91	1046.75	1047.75	1047.00	1047.21	1048.29	1048.89	1047.35	1047.05
2	1047.59	1046.79	1047.96	1048.12	1047.68	1048.01	1049.10	1049.85	1048.43	1047.87
3	1047.70	1047.05	1048.43	1048.68	1048.26	1048.70	1050.73	1050.66	1050.45	1048.89
4	1047.94	1047.17	1049.01	1049.01	1048.56	1048.96	1050.57	1049.78	1050.82	1049.64
5	1048.05	1047.31	1049.29	1049.26	1049.10	1047.94	1049.31	1048.61	1050.43	1050.82
6	1047.94	1047.14	1048.45	1048.12	1047.87	1046.14	1047.28	1047.21	1049.15	1050.13
7	1045.77	1045.96	1045.54	1046.07	1045.98	1043.67	1044.88	1045.19	1046.54	1048.43
8	1043.88	1043.95	1042.83	1043.60	1043.63	1041.86	1042.13	1042.72	1044.21	1045.98
9	1041.72	1041.67	1040.08	1040.67	1040.85	1039.06	1038.94	1039.99	1041.76	1042.46
10	1038.90	1038.78	1037.17	1037.89	1036.54	1036.31	1036.26	1037.59	1038.97	1039.87
11	1035.91	1035.82	1034.14	1033.77	1033.44	1033.65	1033.70	1034.47	1036.12	1037.17
12	1032.96	1032.63	1030.98	1030.65	1030.51	1029.86	1031.35	1032.05	1033.47	1034.31
13	1030.16	1029.55	1028.34	1028.09	1028.04	1027.48	1028.34	1029.32	1030.44	1031.39
14	1027.53	1026.41	1025.76	1025.59	1025.57	1025.29	1025.94	1026.83	1028.25	1028.88
15	1024.94	1023.75	1023.36	1023.87	1022.38	1022.80	1023.40	1024.41	1026.15	1026.55
16	1022.12	1019.75	1020.82	1021.10	1019.21	1020.12	1020.68	1021.28	1023.38	1024.08
17	1019.37	1016.67	1018.14	1018.04	1015.46	1017.07	1018.07	1017.74	1021.12	1021.33
18	1016.37	1013.01	1015.69	1014.92	1011.94	1014.41	1014.81	1013.11	1017.88	1018.00
19	1013.15	1009.26	1012.38	1012.03	1008.35	1011.06	1011.34	1009.77	1014.57	1014.78
20	1009.82	1005.42	1008.98	1007.58	1005.35	1007.79	1007.91	1006.37	1011.31	1011.17
21	1005.30	1002.78	1003.86	1003.97	1001.78	1004.28	1004.56	1003.25	1007.89	1007.47
22	1002.09	998.80	1000.06	1000.41	997.59	999.52	999.50	1000.13	1003.09	1003.39
23	998.38	995.28	995.87	996.33	993.35	995.47	995.12	996.68	999.13	998.36
24	994.42	989.41	991.65	991.65	987.06	990.74	990.72	992.32	994.98	993.91
25	990.30	984.66	987.27	987.04	981.98	986.06	985.96	987.69	990.41	989.39
26	985.59	979.65	982.24	982.21	976.55	980.00	981.35	982.63	985.75	984.43
27	980.28	974.20	977.16	977.27	970.96	974.64	976.39	977.53	980.70	979.21
28	974.99	968.28	971.52	972.08	965.55	969.26	971.17	971.03	975.74	974.45
29	969.45	962.41	966.00	966.67	959.66	963.69	965.81	965.95	970.00	968.82
30	963.18	956.52	960.22	961.06	953.70	958.05	959.66	960.17	964.67	963.02
31	957.54	950.25	953.63	955.02	947.36	951.86	953.44	953.84	959.08	955.68
32	951.48	944.10	947.50	949.01	940.98	945.61	946.89	947.24	952.90	949.71
33	945.50	937.20	940.91	940.77	932.59	938.74	939.95	939.97	946.24	943.42
34	937.85	930.26	933.05	933.66	924.81	929.58	931.35	932.31	938.02	936.90
35	930.86	922.57	925.62	926.39	916.58	921.52	923.57	923.83	930.42	929.49
36	923.48	914.49	917.61	918.56	907.80	913.23	915.37	915.14	922.38	921.48
37	915.56	904.14	909.10	910.39	897.53	904.28	906.73	906.22	914.09	913.41
38	906.87	894.89	900.37	901.56	888.32	895.29	897.66	896.76	905.12	905.05
39	898.06	885.55	891.10	892.42	878.77	885.46	888.46	887.18	895.89	896.45
40	888.56	875.72	881.78	882.87	868.71	875.67	879.12	875.16	886.85	886.78
41	878.75	865.61	872.04	873.09	857.76	865.96	869.45	864.86	877.35	877.23
42	868.82	854.56	862.18	861.55	846.55	856.06	857.78	853.96	866.05	867.75
43	857.03	843.43	852.00	851.07	835.11	845.62	847.55	842.61	856.36	857.97
44	846.88	831.99	839.65	840.73	823.76	834.27	837.07	830.68	846.36	846.22
45	836.35	820.20	829.03	829.57	809.30	823.18	826.30	818.73	835.93	836.11
46	825.56	806.15	817.61	817.17	796.74	811.81	815.07	806.78	825.09	825.26
47	813.47	793.38	805.45	804.99	783.90	798.30	802.47	794.18	813.37	814.05
48	801.61	780.27	793.55	792.69	771.11	786.07	790.24	779.75	801.40	802.31
49	789.35	767.03	780.76	779.87	756.53	773.35	777.24	766.71	788.96	790.12
50	776.52	751.56	767.41	764.94	742.25	760.00	764.22	752.99	774.68	777.12
51	762.33	737.12	753.87	750.80	727.71	746.23	749.16	738.45	761.16	763.59
52	748.28	722.21	738.07	736.28	712.47	730.92	734.86	722.00	746.95	747.51
53	733.74	706.83	723.09	720.74	696.49	715.87	719.93	706.72	732.23	733.14

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54	719.25	690.94	707.79	704.92	678.92	700.50	704.01	690.66	714.71	717.95
55	703.87	673.91	692.09	686.14	662.26	684.47	685.68	673.03	698.35	700.82
56	685.84	657.53	675.36	669.28	644.95	665.64	668.58	655.69	681.16	684.21
57	669.21	640.41	655.88	652.08	627.36	648.24	650.87	637.54	663.66	666.81
58	652.78	622.98	638.15	634.35	609.59	630.51	633.14	619.61	645.37	649.10
59	635.47	603.13	620.21	614.71	589.36	612.13	613.34	601.11	625.38	630.63
60	616.53	584.80	600.29	595.98	570.77	591.30	594.33	582.56	606.19	610.45
61	597.85	566.53	581.19	576.88	551.95	572.24	574.97	561.13	586.69	591.39
62	579.02	546.47	562.01	557.49	531.33	552.79	555.35	542.14	567.14	571.78
63	560.03	527.93	542.70	535.85	512.34	532.87	533.38	522.99	544.63	552.16
64	538.18	508.75	520.26	515.91	492.91	511.15	513.46	502.32	524.83	529.89
65	518.63	489.91	500.51	495.96	473.53	490.95	493.45	483.03	504.96	509.64
66	498.92	470.90	480.70	475.72	451.70	471.01	473.43	463.63	484.50	489.51
67	479.17	450.02	460.92	453.89	432.71	450.88	451.54	444.34	462.74	469.26
68	457.90	431.22	439.68	434.25	413.79	428.66	431.27	422.83	442.36	447.48
69	438.21	412.49	419.99	414.35	394.71	409.06	411.30	403.66	422.20	427.24
70	418.78	394.32	400.54	393.24	374.16	389.68	391.75	384.81	400.82	407.20
71	399.02	373.95	381.57	373.77	355.69	370.20	370.34	365.85	381.13	387.56
72	378.43	356.15	361.26	354.80	337.38	349.86	351.05	345.74	361.95	366.01
73	359.23	338.45	342.45	336.12	319.32	331.23	332.32	327.52	343.15	346.67
74	340.50	320.81	324.26	317.53	300.03	312.73	313.94	309.77	322.63	327.89
75	322.44	302.34	306.67	297.70	283.09	294.81	293.83	292.36	304.50	309.70
76	302.15	285.79	287.22	280.16	266.22	275.38	276.41	274.03	287.12	290.08
77	284.75	269.21	270.42	263.41	250.01	258.44	259.33	257.77	270.21	272.96
78	267.74	253.50	254.27	247.03	234.49	241.99	242.81	241.90	252.48	256.32
79	251.48	236.47	238.50	229.86	217.88	226.36	225.80	226.64	236.59	240.13
80	234.38	221.87	223.17	214.69	203.58	211.17	210.36	209.98	220.96	223.08
81	219.33	207.72	206.95	199.85	189.34	194.68	195.07	195.40	205.95	208.12
82	204.39	193.67	192.21	185.26	175.78	180.02	180.67	181.30	191.41	193.60
83	189.97	178.76	178.07	169.56	160.92	165.32	164.39	167.28	175.36	179.23
84	175.90	165.44	163.78	155.19	146.96	150.39	149.18	151.86	160.82	163.48
85	159.94	151.88	147.15	139.44	131.96	132.63	133.08	136.39	145.22	148.62
86	144.47	137.34	131.31	123.76	115.60	117.37	117.68	121.52	127.56	132.75
87	128.30	121.27	116.47	107.80	102.21	103.44	102.44	107.85	112.85	117.61
88	111.74	107.33	101.04	94.36	89.37	88.49	88.79	93.75	99.67	102.67
89	98.04	94.52	87.16	79.70	75.62	74.83	76.18	80.12	85.85	89.84
90	83.85	80.68	73.92	70.59	69.78	69.73	70.87	73.53	74.60	76.21
91	72.48	71.97	69.22	65.86	65.19	65.28	66.33	69.03	69.66	70.52
92	67.40	67.49	64.51	61.76	61.16	60.88	62.21	64.00	64.88	65.30
93	63.14	63.58	60.67	58.03	57.66	57.06	58.22	60.02	60.11	60.60
94	59.34	59.81	56.92	54.35	54.26	53.56	54.77	56.22	55.24	56.47
95	55.68	55.77	53.58	50.98	50.84	50.32	51.23	52.58	51.21	52.63
96	51.98	52.58	50.04	48.04	47.88	47.25	48.25	48.97	47.55	48.69
97	49.02	49.39	47.11	45.13	45.31	44.41	45.57	46.11	44.08	45.55
98	46.11	46.64	44.43	42.43	42.59	41.68	42.98	43.45	40.98	42.57
99	43.47	43.50	41.84	40.05	40.03	39.28	40.45	40.61	37.84	39.56
100	41.00	41.03	39.49	37.86	37.77	37.16	38.02	38.09	35.06	37.02
101	38.74	38.77	37.14	35.69	35.69	34.76	36.13	36.07	32.59	34.64
102	36.81	36.65	35.20	33.74	33.85	32.87	34.11	34.06	30.10	32.69
103	34.88	34.53	33.25	32.10	31.94	31.20	32.31	32.01	28.14	30.45
104	33.13	32.59	31.50	30.22	30.10	29.47	30.85	30.57	26.40	28.47
105	31.29	30.94	29.56	28.66	28.47	28.19	29.29	28.94	24.60	26.91
106	29.82	29.56	27.96	27.12	26.84	26.63	27.79	27.61	22.90	25.32
107	28.17	27.98	26.56	25.65	25.58	25.25	26.56	26.12	21.69	23.79
108	26.84	26.51	25.32	24.39	24.11	24.00	25.28	25.00	20.50	22.51
109	25.58	25.30	23.81	23.32	23.09	22.74	24.14	23.69	19.27	21.13

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CANDELA TABULATION - (Cont.)

110	24.44	24.11	22.67	22.11	21.83	21.62	23.09	22.79	18.24	20.01
111	23.27	23.09	21.41	21.29	20.83	20.87	22.20	21.62	17.29	18.61
112	22.32	21.97	20.36	19.55	19.62	19.92	21.27	20.69	16.49	17.29
113	21.50	20.71	19.48	17.61	18.73	18.96	20.08	19.80	15.91	16.22
114	20.43	19.99	18.38	16.52	17.73	18.17	19.38	19.08	15.45	15.33
115	19.69	19.08	17.57	16.05	17.05	17.40	18.68	18.24	15.17	14.68
116	18.99	18.43	16.61	15.12	16.24	16.70	17.96	17.59	14.54	14.10
117	18.22	17.52	15.96	14.47	15.38	16.22	17.22	16.91	13.84	13.61
118	17.31	16.96	15.07	13.79	14.75	15.33	16.75	16.10	13.56	13.07
119	16.73	16.49	14.49	13.40	14.19	14.75	16.03	15.47	13.05	12.65
120	16.12	15.82	13.84	12.81	13.54	14.33	15.45	15.03	12.56	12.09
121	15.70	15.14	13.37	12.39	13.00	13.75	14.93	14.61	12.28	11.86
122	14.89	14.63	12.77	11.98	12.67	13.40	14.35	14.19	12.04	11.39
123	14.44	14.17	12.18	11.44	12.18	12.84	13.79	13.84	11.63	11.11
124	14.00	13.68	11.86	11.07	11.60	12.30	13.28	13.23	11.23	10.76
125	13.51	13.26	11.51	10.48	11.21	11.98	12.72	12.98	11.04	10.44
126	12.98	12.95	11.09	10.25	10.88	11.58	12.51	12.60	10.79	10.09
127	12.63	12.46	10.67	9.85	10.58	11.28	11.95	12.07	10.44	9.90
128	12.16	11.98	10.32	9.72	10.25	10.90	11.67	11.77	10.41	9.74
129	11.84	11.72	10.13	9.41	9.99	10.62	10.74	11.44	10.06	9.46
130	11.49	11.32	9.76	8.97	9.76	10.16	10.37	11.16	9.85	9.44
131	10.58	11.07	9.62	8.83	9.39	9.74	9.92	10.90	9.69	9.11
132	10.20	10.55	9.51	8.34	9.09	9.58	9.62	10.51	9.53	9.04
133	9.79	10.44	9.20	8.34	8.97	9.44	9.44	10.39	9.46	8.81
134	9.51	10.13	9.20	8.29	8.83	9.13	9.27	10.16	9.20	8.64
135	9.30	9.95	9.02	8.22	8.83	8.85	9.06	9.88	8.95	8.60
136	9.11	9.41	8.78	8.15	8.74	8.74	8.92	9.60	8.88	8.48
137	9.11	9.30	8.69	8.13	8.50	8.69	8.78	9.32	8.78	8.46
138	8.90	8.95	8.64	7.99	8.48	8.48	8.55	9.04	8.76	8.25
139	8.69	8.74	8.55	7.90	8.41	8.34	8.50	8.97	8.74	8.27
140	8.57	8.67	8.62	8.06	8.50	8.22	8.50	8.76	8.60	8.27
141	8.62	8.55	8.39	7.97	8.39	8.13	8.36	8.62	8.46	8.32
142	8.39	8.57	8.22	8.01	8.22	8.13	8.50	8.53	8.36	8.22
143	8.46	8.55	8.34	8.15	8.25	8.08	8.36	8.76	8.36	8.18
144	8.50	8.39	8.34	8.15	8.20	7.90	8.34	8.50	8.25	8.25
145	8.32	8.32	8.25	8.06	8.25	7.94	8.29	8.43	8.27	8.43
146	8.34	8.29	8.32	8.11	8.32	7.92	8.55	8.48	8.18	8.34
147	8.46	8.32	8.50	8.22	8.32	8.08	8.53	8.43	8.20	8.48
148	8.50	8.43	8.50	8.29	8.34	8.13	8.53	8.50	8.22	8.53
149	8.60	8.62	8.50	8.36	8.60	8.25	8.43	8.48	8.22	8.46
150	8.55	8.60	8.46	8.43	8.53	8.36	8.67	8.57	8.34	8.60
151	8.64	8.67	8.57	8.50	8.78	8.34	8.64	8.67	8.48	8.67
152	8.83	8.78	8.76	8.55	8.69	8.62	8.76	8.74	8.46	8.92
153	8.95	8.81	8.76	8.64	8.88	8.64	8.71	8.74	8.53	8.74
154	8.95	8.83	8.78	8.76	8.88	8.69	8.90	8.76	8.74	8.76
155	8.97	8.85	8.90	8.85	8.92	8.85	8.99	8.88	8.78	8.83
156	9.04	9.02	8.95	8.83	9.04	8.95	9.20	8.88	8.95	8.95
157	9.09	9.23	8.85	8.78	9.34	9.04	9.25	9.18	8.83	9.02
158	9.09	9.02	8.92	8.97	9.30	8.92	9.16	9.16	8.97	9.09
159	9.06	9.18	9.04	8.99	9.30	8.85	9.34	9.11	9.04	9.04
160	9.13	9.20	9.09	9.16	9.20	8.92	9.30	9.20	8.99	9.32
161	9.25	9.25	9.16	9.37	9.41	8.95	9.48	9.37	9.16	9.30
162	9.32	9.25	9.06	9.30	9.48	9.04	9.60	9.20	9.09	9.48
163	9.39	9.37	9.16	9.32	9.60	9.23	9.60	9.25	9.18	9.55
164	9.34	9.32	9.37	9.37	9.58	9.18	9.65	9.34	9.44	9.62
165	9.41	9.44	9.25	9.23	9.67	9.25	9.60	9.46	9.46	9.60

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CANDELA TABULATION - (Cont.)

166	9.41	9.37	9.37	9.41	9.65	9.32	9.62	9.34	9.48	9.69
167	9.46	9.48	9.46	9.41	9.65	9.32	9.72	9.37	9.60	9.67
168	9.60	9.69	9.48	9.41	9.74	9.39	9.62	9.51	9.53	9.81
169	9.67	9.72	9.60	9.37	9.46	9.41	9.95	9.83	9.65	9.81
170	9.69	9.81	9.60	9.37	9.65	9.44	9.83	9.65	9.67	9.95
171	9.79	9.83	9.65	9.55	9.76	9.51	9.92	9.51	9.65	10.06
172	9.69	9.95	9.58	9.46	9.81	9.44	9.95	9.79	9.74	10.11
173	9.76	9.88	9.62	9.65	9.99	9.58	9.99	9.85	9.67	9.92
174	9.79	9.97	9.83	9.67	10.06	9.46	10.18	9.90	9.79	9.99
175	9.83	9.90	9.79	9.60	9.85	9.46	10.06	9.90	9.99	9.90
176	9.85	9.99	9.74	9.69	9.74	9.62	10.18	9.72	9.92	9.90
177	9.90	10.13	9.74	9.74	9.83	9.69	10.32	9.92	9.92	9.79
178	9.88	10.27	9.79	9.76	9.83	9.65	10.25	9.79	9.79	9.95
179	9.88	9.99	9.76	9.62	10.11	9.72	10.30	9.88	9.83	9.92
180	9.92	10.13	9.67	9.74	10.04	9.51	9.95	9.90	9.97	10.04

Vert. Horizontal Angles

	<u>300</u>	<u>330</u>	<u>360</u>
0	1047.63	1046.58	1047.38
1	1047.42	1046.24	1047.07
2	1047.45	1046.65	1047.59
3	1048.05	1046.96	1047.70
4	1048.68	1047.38	1047.94
5	1048.45	1047.52	1048.05
6	1048.15	1047.35	1047.94
7	1047.12	1044.63	1045.77
8	1045.47	1042.51	1043.88
9	1043.58	1039.90	1041.72
10	1040.41	1037.24	1038.90
11	1037.36	1034.40	1035.91
12	1033.93	1032.37	1032.96
13	1030.46	1029.37	1030.16
14	1027.53	1026.64	1027.53
15	1025.38	1023.85	1024.94
16	1022.91	1021.42	1022.12
17	1019.72	1017.25	1019.37
18	1016.18	1014.11	1016.37
19	1010.54	1010.87	1013.15
20	1006.49	1007.40	1009.82
21	1002.44	1003.90	1005.30
22	998.47	1000.13	1002.09
23	994.58	996.17	998.38
24	990.34	992.00	994.42
25	985.54	987.48	990.30
26	980.47	982.33	985.59
27	975.04	977.20	980.28
28	968.63	971.64	974.99
29	962.74	964.79	969.45
30	956.93	959.33	963.18
31	951.02	953.81	957.54
32	943.96	947.80	951.48
33	937.67	941.74	945.50
34	930.98	935.15	937.85
35	923.71	928.28	930.86
36	915.93	920.92	923.48

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	907.64	912.90	915.56
38	898.60	903.49	906.87
39	889.42	894.71	898.06
40	880.10	885.78	888.56
41	868.61	876.72	878.75
42	858.62	866.28	868.82
43	848.27	856.50	857.03
44	836.51	846.41	846.88
45	824.86	836.23	836.35
46	813.02	825.28	825.56
47	800.65	814.14	813.47
48	787.02	802.87	801.61
49	773.98	791.15	789.35
50	760.63	776.73	776.52
51	746.49	763.66	762.33
52	731.99	750.28	748.28
53	715.08	736.47	733.74
54	699.52	720.69	719.25
55	683.49	705.39	703.87
56	666.71	689.29	685.84
57	647.96	672.14	669.21
58	630.39	653.06	652.78
59	612.22	634.91	635.47
60	594.26	616.44	616.53
61	573.22	597.17	597.85
62	554.30	578.07	579.02
63	535.17	556.21	560.03
64	514.16	536.48	538.18
65	495.08	516.84	518.63
66	475.51	496.92	498.92
67	456.17	475.49	479.17
68	434.60	455.40	457.90
69	415.14	435.20	438.21
70	396.13	412.95	418.78
71	377.12	393.36	399.02
72	358.55	374.14	378.43
73	338.03	354.94	359.23
74	320.16	334.63	340.50
75	302.27	316.34	322.44
76	283.58	298.65	302.15
77	266.99	281.32	284.75
78	250.80	262.73	267.74
79	235.28	246.47	251.48
80	218.32	230.58	234.38
81	203.81	215.32	219.33
82	189.69	199.15	204.39
83	176.13	184.75	189.97
84	161.31	170.82	175.90
85	147.71	156.58	159.94
86	132.89	139.44	144.47
87	118.05	123.32	128.30
88	103.40	108.59	111.74
89	91.09	95.08	98.04
90	77.77	79.63	83.85
91	69.68	70.17	72.48
92	64.51	65.54	67.40

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	59.99	61.37	63.14
94	55.66	57.08	59.34
95	51.53	53.26	55.68
96	47.32	49.88	51.98
97	43.94	46.62	49.02
98	40.70	43.52	46.11
99	37.53	40.72	43.47
100	34.78	38.28	41.00
101	32.34	36.09	38.74
102	30.10	33.81	36.81
103	27.75	32.06	34.88
104	25.84	30.15	33.13
105	24.11	28.63	31.29
106	22.51	27.00	29.82
107	21.08	25.74	28.17
108	19.85	24.49	26.84
109	18.57	23.30	25.58
110	17.66	22.34	24.44
111	16.63	21.36	23.27
112	16.03	20.48	22.32
113	15.24	19.55	21.50
114	14.61	18.64	20.43
115	14.23	17.80	19.69
116	13.61	16.91	18.99
117	13.19	16.29	18.22
118	12.72	15.68	17.31
119	12.35	15.12	16.73
120	12.02	14.56	16.12
121	11.70	14.03	15.70
122	11.39	13.65	14.89
123	11.21	13.21	14.44
124	10.88	12.67	14.00
125	10.65	12.25	13.51
126	10.44	11.79	12.98
127	10.37	11.37	12.63
128	10.09	11.07	12.16
129	9.90	10.74	11.84
130	9.67	10.44	11.49
131	9.60	10.20	10.58
132	9.46	9.99	10.20
133	9.30	9.74	9.79
134	8.99	9.48	9.51
135	8.97	9.30	9.30
136	8.78	9.09	9.11
137	8.69	8.83	9.11
138	8.71	8.78	8.90
139	8.64	8.60	8.69
140	8.53	8.36	8.57
141	8.46	8.25	8.62
142	8.36	8.32	8.39
143	8.48	8.15	8.46
144	8.39	8.25	8.50
145	8.41	8.18	8.32
146	8.41	8.08	8.34
147	8.22	8.08	8.46
148	8.34	7.99	8.50

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CANDELA TABULATION - (Cont.)

149	8.29	7.97	8.60
150	8.36	8.01	8.55
151	8.60	8.22	8.64
152	8.55	8.13	8.83
153	8.57	8.25	8.95
154	8.67	8.32	8.95
155	8.67	8.50	8.97
156	8.95	8.74	9.04
157	8.97	8.67	9.09
158	9.06	8.69	9.09
159	9.11	8.69	9.06
160	9.04	8.74	9.13
161	9.20	8.85	9.25
162	9.16	8.90	9.32
163	9.27	8.83	9.39
164	9.32	8.99	9.34
165	9.51	9.04	9.41
166	9.39	9.09	9.41
167	9.39	9.23	9.46
168	9.55	9.16	9.60
169	9.53	9.37	9.67
170	9.53	9.41	9.69
171	9.51	9.60	9.79
172	9.53	9.55	9.69
173	9.65	9.51	9.76
174	9.62	9.53	9.79
175	9.76	9.60	9.83
176	9.69	9.58	9.85
177	9.79	9.65	9.90
178	9.76	9.79	9.88
179	9.76	9.69	9.88
180	9.72	9.99	9.92

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	389.47	10.30	10.30
0-30	845.10	22.30	22.30
0-40	1424.21	37.60	37.60
0-60	2675.41	70.70	70.70
0-80	3488.78	92.20	92.20
0-90	3646.11	96.40	96.40
10-90	3546.37	93.70	93.70
20-40	1034.74	27.40	27.40
20-50	1672.77	44.20	44.20
40-70	1743.63	46.10	46.10
60-80	813.37	21.50	21.50
70-80	320.94	8.50	8.50
80-90	157.33	4.20	4.20
90-110	89.16	2.40	2.40
90-120	106.45	2.80	2.80
90-130	117.20	3.10	3.10
90-150	129.54	3.40	3.40
90-180	137.21	3.60	3.60
110-180	48.04	1.30	1.30
0-180	3783.32	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.74
10-20	289.73
20-30	455.63
30-40	579.11
40-50	638.03
50-60	613.17
60-70	492.43
70-80	320.94
80-90	157.33
90-100	58.61
100-110	30.55
110-120	17.29
120-130	10.75
130-140	7.10
140-150	5.24
150-160	4.08
160-170	2.66
170-180	0.93

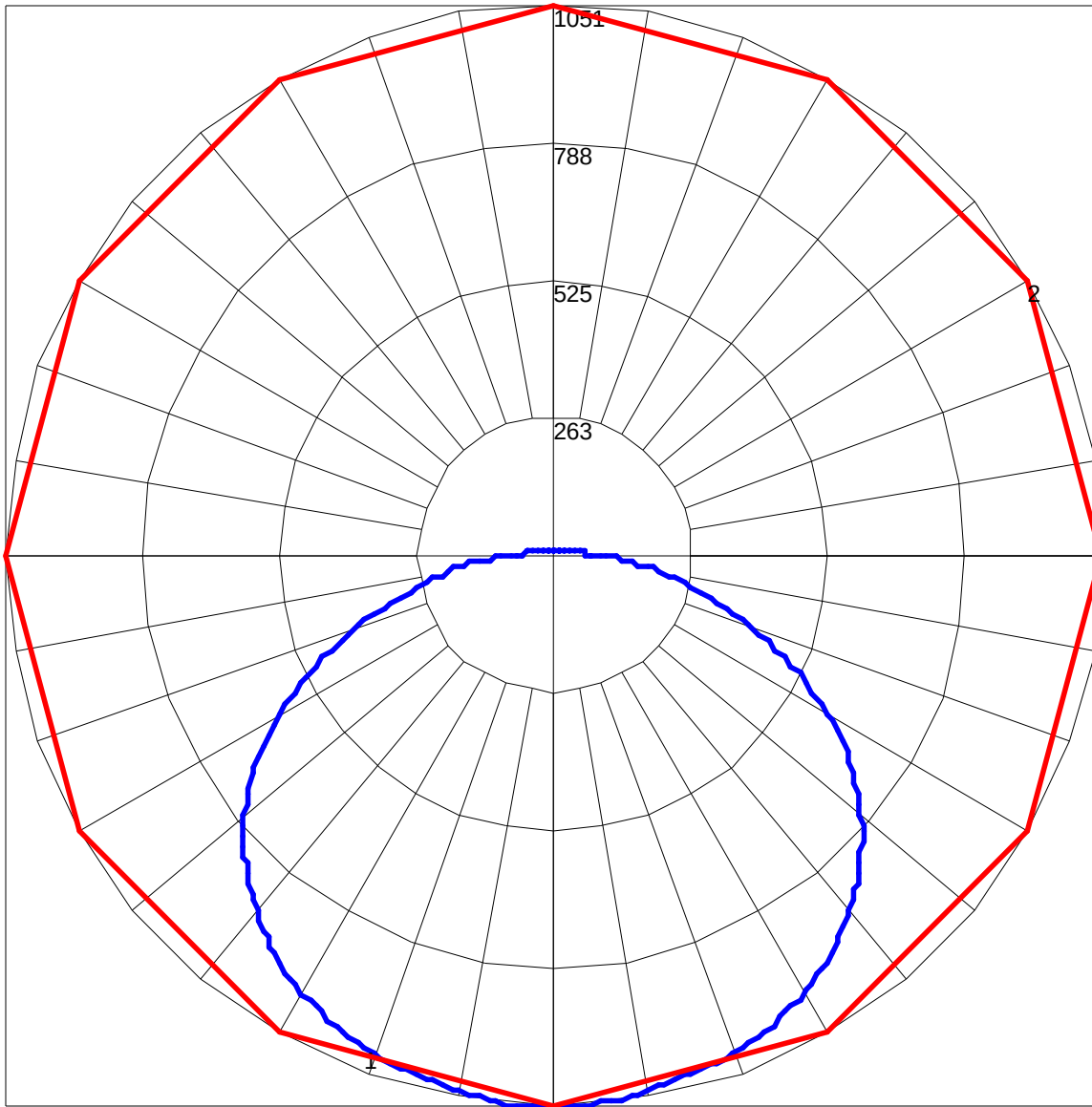
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPYRA12-LED30DMVXX50.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	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	106	101	96	92	103	98	94	90	93	90	87	89	86	83	85	82	80	78
2	96	87	80	73	93	85	78	72	81	75	70	77	72	68	73	69	66	63
3	87	76	67	60	84	74	66	59	70	63	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	35	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 = 1050.82 Located At Horizontal Angle = 240, Vertical Angle = 4
1 - Vertical Plane Through Horizontal Angles (240 - 60) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)