



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPL15WT30120V_TYPE V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] BEGHELLI

[TESTDATE] 2017-10-09

[ISSUEDATE] 2017-10-09

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER]

[MANUFAC] BEGHELLI

[LUMINAIRE] MPL15WT30120V_TYPE V

[LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1658
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	14.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
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>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	632.08	632.08	632.08	632.08	632.08	632.08	632.08	632.08	632.08	632.08
1	632.13	632.12	631.82	632.91	632.10	633.13	632.54	632.82	631.79	632.89
2	632.67	630.93	631.02	631.99	630.60	633.13	633.33	635.26	632.89	633.10
3	631.99	629.54	629.84	631.46	628.66	633.13	633.23	635.36	633.06	634.46
4	631.27	629.57	628.40	631.50	630.04	632.69	632.56	634.71	632.04	632.88
5	629.25	628.72	626.82	631.15	628.66	630.91	631.81	635.14	630.03	632.58
6	627.36	627.54	625.94	630.32	628.85	629.29	631.51	634.48	629.42	632.77
7	625.48	626.02	625.02	629.76	627.55	629.00	630.62	632.85	628.29	631.23
8	624.66	622.90	623.56	629.04	627.50	629.49	629.19	631.76	627.49	630.33
9	623.00	620.01	621.93	626.62	626.72	627.70	627.46	629.86	628.85	628.00
10	619.70	619.05	620.20	625.07	624.44	624.78	627.09	627.18	626.92	623.86
11	617.22	616.69	617.30	623.08	621.98	622.86	625.59	625.38	625.54	623.16
12	615.60	614.05	615.92	620.33	620.59	620.04	625.22	625.12	623.15	621.57
13	614.33	611.52	614.05	617.82	616.90	617.14	622.29	623.25	620.62	620.22
14	611.85	608.38	610.80	615.36	613.15	614.55	619.50	620.60	618.35	618.68
15	608.29	606.12	607.84	612.63	611.70	612.12	616.98	618.12	614.53	615.13
16	605.75	603.12	605.07	609.67	607.53	609.30	615.34	615.84	610.96	611.80
17	603.18	600.45	601.60	606.84	603.65	606.09	611.88	612.62	608.87	609.81
18	598.83	596.95	598.71	603.56	600.54	603.06	607.93	609.42	605.87	607.32
19	596.58	592.44	594.60	599.34	597.72	598.98	604.53	608.20	602.90	601.65
20	592.59	587.54	590.28	594.62	594.16	594.87	600.36	603.62	600.50	597.54
21	588.39	583.19	586.04	590.90	590.58	591.56	596.84	599.19	598.05	593.53
22	583.99	578.94	582.47	586.65	586.13	588.37	591.59	594.46	594.09	589.88
23	579.35	575.62	578.32	582.56	581.72	584.04	586.27	591.21	589.73	587.34
24	574.64	571.53	572.54	578.74	577.84	579.61	582.09	587.17	586.44	583.38
25	570.24	566.82	566.63	573.08	573.85	575.26	576.53	583.09	581.01	579.57
26	566.36	561.65	561.36	568.39	569.69	571.26	571.66	578.72	577.43	574.38
27	561.78	556.87	555.95	563.60	564.28	565.67	566.62	574.31	572.44	568.27
28	555.26	552.47	552.13	558.40	557.33	559.30	562.27	569.16	567.11	562.71
29	551.50	547.05	547.82	552.72	550.94	554.06	557.60	564.32	562.33	557.11
30	545.93	542.03	543.00	546.40	544.92	548.27	551.94	558.27	557.44	551.99
31	540.31	537.56	537.25	539.98	539.50	542.43	546.77	552.80	552.30	545.21
32	534.76	532.80	531.14	532.66	532.65	536.77	540.46	547.12	547.39	539.10
33	527.84	527.17	524.16	525.47	525.85	531.68	534.15	541.77	540.43	533.58
34	519.63	521.48	517.70	517.71	519.68	526.08	527.64	536.37	535.34	528.64
35	511.27	514.48	511.60	510.03	513.41	519.05	520.64	530.86	530.39	522.79
36	501.92	507.15	505.45	503.74	507.17	511.48	513.43	525.92	524.98	516.22
37	492.29	499.33	496.87	496.47	500.21	503.79	506.71	520.44	519.77	509.28
38	481.12	490.80	489.47	488.78	491.98	495.15	500.57	513.75	513.67	503.56
39	468.74	480.81	482.25	481.19	484.30	487.34	494.16	506.74	508.15	497.91
40	455.31	469.33	474.23	473.97	476.55	479.08	486.94	500.10	502.01	490.69
41	441.12	456.74	467.35	465.35	467.58	470.49	481.32	493.30	495.18	483.74
42	425.92	444.15	459.77	456.90	459.24	461.96	473.18	486.94	489.05	477.90
43	410.59	429.91	451.21	447.83	449.39	452.88	464.61	479.60	482.07	470.79
44	394.80	415.43	442.68	439.42	440.99	443.82	457.22	472.04	474.73	464.20
45	378.28	400.34	433.70	430.46	432.18	434.00	449.08	465.83	466.62	456.65
46	361.06	385.20	424.50	420.40	422.74	425.00	440.80	457.17	457.26	448.52
47	344.88	368.80	414.89	410.50	413.34	416.17	432.89	448.26	447.19	440.45
48	328.21	351.21	405.28	400.49	402.49	407.12	424.96	438.38	435.03	431.86
49	312.51	334.41	393.19	389.90	391.55	397.70	415.26	426.12	421.57	421.41
50	297.09	317.66	379.52	379.95	381.93	387.80	405.59	414.13	406.89	410.85
51	281.44	302.33	366.43	368.79	372.28	377.86	396.44	400.61	392.14	398.26
52	266.40	286.33	352.81	358.18	361.84	367.60	386.06	386.26	375.76	384.98
53	250.37	270.82	338.38	347.63	349.25	357.22	375.62	370.98	358.67	371.00

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CANDELA TABULATION - (Cont.)

54	234.67	256.16	322.99	337.08	335.54	346.56	364.81	354.70	340.46	355.45
55	218.78	241.40	306.88	326.24	323.88	336.15	353.67	337.82	320.75	339.30
56	202.71	227.56	290.94	315.57	313.40	325.58	343.08	319.82	300.71	322.32
57	187.20	213.14	274.60	304.36	301.86	314.45	331.14	300.96	279.45	303.58
58	171.68	198.11	259.17	292.90	290.19	302.83	318.37	281.23	257.97	284.93
59	156.70	182.58	243.11	280.93	277.92	291.39	304.89	260.57	235.74	265.70
60	142.82	167.82	228.01	269.97	265.86	280.84	290.95	239.74	214.64	246.07
61	129.89	152.76	213.45	258.25	252.69	269.39	275.98	218.79	193.24	225.92
62	118.00	139.16	198.53	245.99	240.71	257.09	260.59	198.15	172.99	205.58
63	107.19	125.70	184.58	234.10	227.27	245.08	244.90	177.54	153.85	185.73
64	97.50	113.33	170.80	222.38	214.22	232.47	228.67	157.48	136.55	166.00
65	88.99	101.82	157.07	209.84	200.62	220.07	212.27	139.10	120.71	147.70
66	81.49	91.42	143.27	197.38	188.06	207.95	194.79	121.96	106.99	129.78
67	74.13	82.12	129.60	185.23	174.73	196.34	177.44	107.14	95.03	113.88
68	67.81	73.89	117.44	172.35	161.06	184.73	160.27	94.02	85.30	99.25
69	61.99	66.57	105.43	159.60	146.37	172.90	143.06	83.21	76.83	86.60
70	56.66	60.08	94.17	145.60	131.04	161.38	126.82	73.97	69.53	76.06
71	51.60	54.21	83.04	130.76	116.93	148.81	111.09	66.42	63.13	67.12
72	46.87	48.77	73.14	115.63	104.86	136.09	96.13	59.53	57.29	59.60
73	41.94	43.65	64.08	101.37	94.03	122.57	82.42	53.32	51.82	53.13
74	36.21	38.88	55.20	88.04	83.55	110.52	69.96	48.16	46.61	47.35
75	28.93	34.04	46.84	75.85	73.75	100.53	59.37	42.92	41.05	42.38
76	25.40	27.81	39.12	66.19	63.52	91.43	50.03	37.71	35.06	37.08
77	21.07	22.28	32.33	57.44	54.34	82.50	41.92	32.27	27.11	31.85
78	17.85	18.74	26.89	49.65	43.95	73.97	35.05	24.64	22.56	24.77
79	14.76	15.59	21.46	41.88	36.39	65.70	28.77	20.24	17.35	19.77
80	12.93	12.29	16.17	33.78	28.76	57.34	23.44	15.93	15.15	15.73
81	10.99	10.29	12.43	27.12	22.40	47.63	17.58	13.57	12.99	13.10
82	8.98	8.48	9.55	22.46	16.63	39.55	13.65	11.53	11.03	11.15
83	6.74	6.73	6.44	17.06	12.04	33.06	10.75	9.50	8.99	9.11
84	4.71	4.46	4.57	12.19	8.57	26.21	8.50	7.37	6.75	7.07
85	3.57	3.12	3.18	8.76	5.64	18.20	6.44	4.52	3.34	4.30
86	2.48	2.12	1.83	5.60	3.29	10.21	4.26	2.47	2.48	2.28
87	1.63	1.33	0.98	2.54	1.46	5.89	1.82	1.67	1.78	1.41
88	0.62	0.51	0.21	0.57	0.30	2.93	0.70	1.05	1.21	0.81
89	0.01	0.01	0.00	0.01	0.00	0.00	0.29	0.44	0.60	0.35
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	632.08	632.08	632.08	632.08	632.08	632.08	632.08
1	632.73	633.18	630.95	631.33	632.51	631.97	632.13
2	632.73	631.90	631.61	630.52	632.03	631.28	632.67
3	632.27	630.63	631.13	629.51	631.32	631.71	631.99
4	632.00	629.35	630.17	629.20	629.70	631.26	631.27
5	631.20	629.45	628.72	627.25	628.49	628.75	629.25
6	631.19	627.74	626.06	627.33	626.82	626.01	627.36
7	629.68	626.16	625.99	627.38	624.50	624.13	625.48
8	628.13	624.29	624.80	623.06	622.84	622.38	624.66
9	626.23	621.93	622.27	621.16	621.92	620.91	623.00
10	625.13	620.93	620.16	619.31	619.68	618.27	619.70
11	622.78	618.70	617.84	617.80	617.10	616.08	617.22
12	621.47	618.55	615.99	614.99	615.14	614.47	615.60
13	619.28	617.66	613.74	612.33	612.33	611.07	614.33
14	616.66	614.94	610.68	609.21	609.79	607.87	611.85
15	614.29	613.58	607.39	606.62	606.63	605.28	608.29
16	610.76	610.14	604.72	603.08	602.47	602.64	605.75
17	607.42	606.63	601.20	599.85	596.77	598.66	603.18
18	604.71	603.35	597.39	596.58	592.77	594.81	598.83
19	601.42	600.68	594.53	593.10	590.36	590.21	596.58
20	597.10	596.13	591.54	589.03	587.91	585.63	592.59
21	593.61	590.70	587.81	583.93	583.34	582.17	588.39
22	589.19	586.29	584.78	578.57	578.56	578.05	583.99
23	584.70	583.23	581.68	574.75	573.32	575.39	579.35
24	579.93	578.55	576.98	569.17	566.45	571.70	574.64
25	575.32	572.57	571.39	563.71	560.45	566.73	570.24
26	570.14	567.63	565.93	558.77	555.64	560.36	566.36
27	563.09	562.30	560.67	552.13	550.56	555.96	561.78
28	557.90	555.03	554.72	548.06	547.26	550.78	555.26
29	553.93	549.32	547.31	543.88	540.57	546.02	551.50
30	548.37	543.48	540.59	538.17	533.66	539.89	545.93
31	543.25	538.16	534.32	531.80	529.07	534.77	540.31
32	537.12	531.26	529.02	525.54	523.71	529.53	534.76
33	530.70	524.65	523.20	518.88	519.68	523.78	527.84
34	524.72	518.54	516.46	511.96	512.99	518.38	519.63
35	517.34	511.43	509.98	505.09	506.30	510.90	511.27
36	509.88	504.56	503.30	497.25	499.52	503.70	501.92

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL15WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

37	502.89	498.13	495.07	489.04	493.89	494.98	492.29
38	494.90	490.11	486.10	483.48	487.06	485.68	481.12
39	487.18	482.50	477.71	474.61	479.76	477.75	468.74
40	479.06	474.02	470.08	466.03	471.81	467.18	455.31
41	471.38	464.35	462.41	456.67	464.21	452.79	441.12
42	463.90	456.11	454.24	447.41	455.70	439.24	425.92
43	455.29	448.34	445.16	440.04	447.18	424.54	410.59
44	447.66	439.67	435.64	430.67	437.36	412.37	394.80
45	438.91	429.35	425.32	421.47	426.69	396.23	378.28
46	431.08	419.19	415.02	411.38	415.44	379.17	361.06
47	423.43	408.93	406.12	402.33	402.70	362.08	344.88
48	415.68	398.47	396.73	393.53	389.47	344.35	328.21
49	406.39	388.25	384.81	382.93	375.04	327.04	312.51
50	396.70	378.06	373.19	371.87	360.62	311.49	297.09
51	386.69	368.06	362.70	361.94	345.17	294.37	281.44
52	375.90	357.66	352.34	352.79	329.53	277.48	266.40
53	365.45	346.81	341.29	342.61	313.91	261.85	250.37
54	354.21	335.67	329.34	331.55	296.56	246.35	234.67
55	342.94	324.51	317.79	320.76	279.41	230.14	218.78
56	331.72	312.79	307.11	310.58	262.46	214.05	202.71
57	320.48	301.46	295.67	300.06	246.29	198.22	187.20
58	308.78	290.22	283.78	288.60	230.91	182.67	171.68
59	297.07	278.74	271.09	276.43	216.89	166.94	156.70
60	284.63	267.18	258.54	264.33	202.69	152.06	142.82
61	271.47	255.93	245.42	252.34	188.93	137.88	129.89
62	258.30	243.82	231.94	239.71	175.60	124.62	118.00
63	244.49	232.03	218.60	226.74	162.02	112.47	107.19
64	229.84	219.62	205.19	213.02	148.38	101.44	97.50
65	215.07	207.05	192.15	198.96	134.89	91.34	88.99
66	199.80	194.27	178.81	184.49	122.07	82.57	81.49
67	184.79	181.71	165.37	169.30	109.59	74.71	74.13
68	169.88	169.21	150.91	154.54	97.51	67.76	67.81
69	154.49	156.88	135.93	140.19	86.44	61.21	61.99
70	138.77	144.08	120.96	125.56	75.59	55.40	56.66
71	123.29	130.62	107.22	111.42	65.99	50.15	51.60
72	108.96	117.96	95.69	98.09	57.35	45.37	46.87
73	94.85	106.60	84.80	85.92	49.48	40.69	41.94
74	81.35	96.64	74.73	75.97	42.99	36.49	36.21
75	68.58	87.60	64.31	67.91	37.16	31.75	28.93
76	56.30	78.98	54.63	60.37	31.38	24.98	25.40
77	45.60	70.85	44.87	53.20	25.77	21.16	21.07
78	37.39	62.81	36.08	46.33	21.64	17.56	17.85
79	30.70	54.73	28.82	39.70	17.37	14.14	14.76
80	24.93	45.90	23.00	32.08	13.02	12.01	12.93
81	18.58	39.14	17.04	26.07	8.70	10.22	10.99
82	14.25	33.24	12.33	21.25	6.23	8.43	8.98
83	10.62	27.40	8.86	16.11	5.93	6.49	6.74
84	7.93	20.75	5.87	11.84	4.29	4.09	4.71
85	5.90	16.14	3.68	6.42	2.80	3.04	3.57
86	3.80	9.78	2.06	3.57	1.30	1.91	2.48
87	1.50	4.47	0.92	1.68	0.58	0.97	1.63
88	0.50	1.47	0.01	0.01	0.00	0.21	0.62
89	0.00	0.00	0.00	0.00	0.00	0.00	0.01
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL15WT30120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL15WT30120V_TYPE V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	232.42	N.A.	14.00
0-30	496.27	N.A.	29.90
0-40	818.34	N.A.	49.40
0-60	1422.99	N.A.	85.80
0-80	1649.3	N.A.	99.50
0-90	1658.06	N.A.	100.00
10-90	1598.15	N.A.	96.40
20-40	585.92	N.A.	35.30
20-50	916.68	N.A.	55.30
40-70	769.13	N.A.	46.40
60-80	226.31	N.A.	13.60
70-80	61.83	N.A.	3.70
80-90	8.77	N.A.	0.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1658.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.91
10-20	172.51
20-30	263.85
30-40	322.07
40-50	330.75
50-60	273.89
60-70	164.48
70-80	61.83
80-90	8.77
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

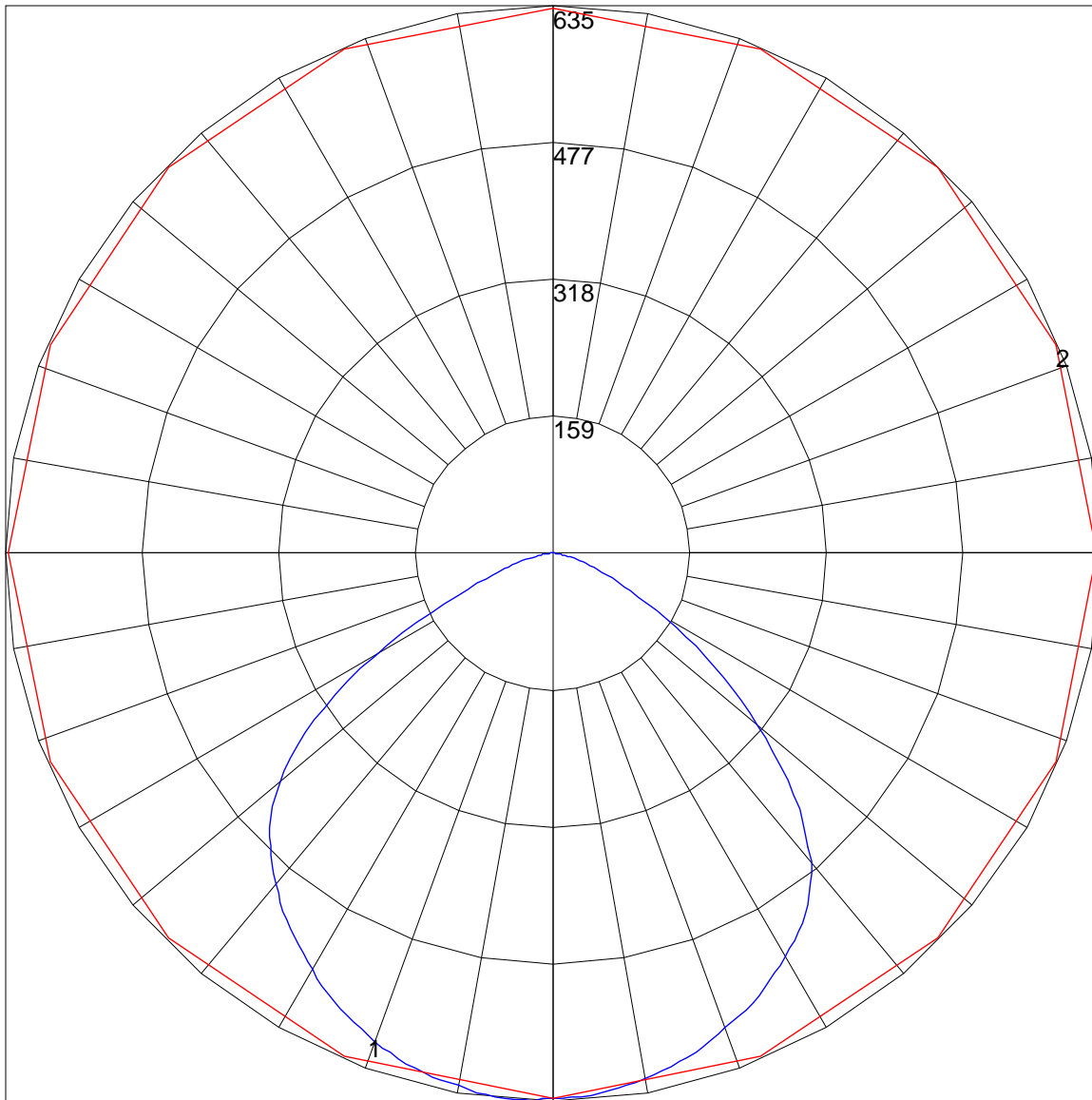
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL15WT30120V_TYPE V.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	73	65	59	82	72	64	58	70	63	58	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 635.36 Located At Horizontal Angle = 157.5, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (157.5 - 337.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)