



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPL140WT40120V_TYPE V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUEDATE] 2017-12-26 11:34
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] MPL140WT40120_TYPE V
 [LAMPCAT]
 [LAMP] LED
 [TESTLAB]
 [TESTINST]
 [TESTDIST] 17.398 m

CHARACTERISTICS

Lumens Per Lamp	16441.1 (1 lamp)
Total Lamp Lumens	16441.1
Luminaire Lumens	16438
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	140.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.32
Spacing Criterion (90-270)	2.32
Spacing Criterion (Diagonal)	2.36
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	1714.97	1714.97	1714.97	1714.97	1714.97	1714.97	1714.97	1714.97	1714.97	1714.97
1	1717.65	1711.10	1705.41	1689.84	1683.18	1682.21	1657.51	1690.27	1713.25	1704.98
2	1721.41	1715.83	1710.14	1694.14	1687.15	1684.90	1658.91	1689.52	1712.61	1703.37
3	1725.92	1720.77	1715.72	1698.86	1691.24	1688.01	1660.52	1690.16	1712.50	1702.73
4	1731.19	1726.89	1722.70	1705.20	1696.61	1692.52	1663.96	1691.34	1713.57	1702.83
5	1737.74	1734.84	1729.58	1711.86	1703.91	1697.68	1667.61	1694.35	1715.83	1703.69
6	1745.36	1743.00	1738.17	1720.77	1711.75	1703.91	1672.87	1697.79	1718.84	1706.16
7	1753.31	1751.16	1747.30	1729.90	1720.66	1712.28	1678.99	1702.94	1723.02	1710.24
8	1762.44	1761.47	1757.82	1739.67	1731.29	1721.74	1686.19	1708.42	1728.29	1714.97
9	1772.64	1771.67	1770.71	1751.05	1742.36	1731.72	1695.10	1714.43	1733.87	1720.34
10	1784.45	1784.45	1783.70	1763.51	1754.71	1742.68	1704.98	1722.06	1741.17	1727.11
11	1797.66	1797.13	1798.41	1776.83	1768.34	1754.71	1716.04	1730.33	1749.01	1735.16
12	1812.70	1810.23	1812.70	1793.26	1784.13	1768.13	1727.64	1740.74	1759.11	1742.89
13	1828.06	1826.66	1827.52	1809.58	1800.03	1782.95	1740.31	1750.95	1769.85	1752.77
14	1844.27	1843.41	1845.45	1826.23	1816.78	1798.84	1755.03	1762.33	1780.91	1762.87
15	1861.35	1861.78	1863.17	1844.38	1834.61	1815.92	1769.53	1774.36	1792.19	1773.93
16	1879.71	1881.32	1882.18	1862.96	1853.51	1833.32	1784.56	1788.64	1804.97	1786.39
17	1900.33	1901.41	1901.73	1885.51	1874.66	1852.97	1800.99	1804.32	1819.57	1799.06
18	1921.06	1921.92	1922.45	1907.31	1898.18	1874.66	1819.14	1821.07	1836.86	1814.20
19	1943.50	1945.87	1945.01	1930.40	1920.74	1895.39	1838.04	1840.30	1852.76	1829.56
20	1966.81	1969.06	1969.28	1953.92	1944.79	1920.95	1858.55	1859.63	1871.23	1847.92
21	1991.29	1995.16	1995.48	1979.70	1971.53	1945.65	1881.86	1878.85	1890.13	1865.75
22	2016.32	2022.22	2022.97	2006.76	1999.13	1971.86	1906.35	1899.90	1911.07	1884.87
23	2043.06	2051.00	2051.00	2037.37	2027.70	1998.60	1931.37	1921.38	1933.41	1906.24
24	2069.48	2080.54	2083.44	2066.47	2057.66	2028.67	1960.15	1946.62	1958.22	1929.97
25	2098.79	2110.61	2114.26	2096.54	2088.91	2058.41	1986.46	1969.71	1982.17	1952.20
26	2127.04	2142.40	2149.70	2129.83	2121.88	2090.63	2017.39	1994.84	2007.40	1975.94
27	2159.04	2176.12	2184.49	2165.38	2156.14	2120.49	2045.96	2021.58	2031.89	1999.89
28	2192.66	2210.81	2215.85	2203.07	2192.87	2156.36	2076.13	2046.39	2061.42	2025.55
29	2227.24	2249.47	2253.01	2238.41	2230.67	2193.73	2107.92	2074.74	2088.81	2056.48
30	2262.46	2286.52	2289.53	2281.15	2271.27	2231.75	2139.50	2103.09	2117.16	2083.54
31	2299.30	2325.07	2325.50	2319.70	2310.79	2267.19	2170.53	2134.02	2144.97	2110.39
32	2336.03	2364.92	2362.23	2362.23	2348.27	2307.03	2205.76	2162.59	2175.90	2139.71
33	2372.43	2398.32	2399.39	2399.93	2391.87	2344.94	2240.45	2194.91	2205.76	2169.67
34	2411.42	2440.09	2440.84	2440.09	2433.33	2384.89	2275.89	2227.24	2237.98	2200.50
35	2447.72	2482.40	2478.11	2480.15	2470.91	2418.40	2307.57	2260.10	2269.34	2236.26
36	2483.80	2522.46	2520.10	2519.46	2512.90	2457.17	2343.12	2289.85	2303.27	2266.76
37	2525.15	2560.16	2560.48	2557.47	2555.86	2498.73	2385.11	2320.88	2339.36	2297.58
38	2564.67	2603.76	2599.68	2595.17	2599.57	2534.28	2422.26	2353.32	2378.88	2329.26
39	2605.59	2646.72	2640.17	2632.65	2642.31	2570.36	2458.99	2388.11	2413.46	2362.02
40	2647.04	2690.10	2676.25	2676.79	2689.14	2606.34	2492.07	2421.73	2446.86	2398.64
41	2689.14	2734.24	2713.19	2716.85	2730.70	2645.54	2523.21	2456.63	2479.08	2435.58
42	2732.63	2781.17	2749.28	2755.51	2771.51	2680.22	2557.47	2490.89	2511.72	2471.34
43	2775.37	2821.66	2786.22	2794.60	2816.18	2716.85	2588.40	2526.01	2551.67	2509.15
44	2818.98	2867.52	2821.12	2831.86	2863.55	2752.39	2617.94	2559.73	2589.15	2544.16
45	2867.20	2912.62	2856.46	2872.67	2902.21	2792.67	2645.75	2594.85	2626.53	2582.60
46	2916.49	2956.76	2889.21	2915.31	2945.38	2834.98	2676.57	2634.69	2664.65	2620.62
47	2959.55	3006.38	2924.76	2959.88	2987.80	2871.81	2710.62	2669.38	2701.17	2659.50
48	3005.73	3050.95	2959.13	3000.90	3028.50	2909.62	2740.15	2705.78	2739.18	2701.06
49	3046.22	3098.41	2993.92	3044.50	3070.81	2945.92	2771.83	2746.49	2774.84	2736.28
50	3086.49	3141.48	3027.32	3089.07	3109.69	2985.11	2804.05	2783.97	2815.86	2771.29
51	3134.07	3189.81	3064.59	3132.03	3149.75	3025.49	2838.41	2817.80	2858.18	2806.84
52	3175.52	3224.92	3104.54	3176.70	3191.53	3062.55	2873.21	2854.09	2903.50	2837.88
53	3225.89	3267.02	3139.44	3219.34	3232.76	3102.82	2907.36	2891.36	2943.77	2873.43

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CANDELA TABULATION - (Cont.)

54	3269.71	3310.41	3170.05	3260.58	3275.94	3147.60	2936.47	2930.13	2985.54	2909.08
55	3316.42	3358.42	3211.93	3312.02	3321.15	3190.34	2972.87	2965.03	3030.97	2944.52
56	3356.91	3398.15	3251.67	3358.52	3367.22	3237.38	3014.11	3005.09	3075.97	2979.42
57	3405.78	3437.56	3294.09	3408.25	3415.87	3283.56	3046.87	3038.49	3120.86	3016.15
58	3459.47	3477.62	3339.84	3456.90	3463.77	3330.49	3086.39	3071.24	3161.56	3057.61
59	3508.34	3521.98	3384.30	3513.92	3509.73	3380.11	3131.06	3107.01	3204.09	3095.52
60	3553.76	3563.54	3428.87	3570.30	3554.41	3429.83	3179.07	3145.88	3251.56	3135.04
61	3599.84	3602.41	3480.74	3625.72	3595.11	3488.47	3221.06	3183.47	3308.05	3177.89
62	3642.90	3645.37	3530.24	3692.95	3631.41	3548.61	3270.67	3223.10	3354.23	3227.61
63	3685.64	3688.11	3582.87	3754.70	3667.06	3608.64	3325.23	3266.92	3407.28	3276.80
64	3734.19	3733.33	3638.50	3826.87	3709.91	3670.50	3379.79	3309.23	3463.98	3326.09
65	3774.89	3776.28	3693.16	3895.38	3750.94	3738.05	3435.31	3360.56	3528.53	3375.28
66	3810.44	3816.99	3747.82	3967.44	3791.32	3810.65	3493.95	3406.31	3594.79	3429.62
67	3852.32	3860.91	3811.29	4031.77	3823.00	3880.13	3556.23	3452.38	3651.60	3489.76
68	3884.32	3908.06	3870.58	4109.53	3843.08	3953.05	3625.83	3506.83	3714.43	3545.17
69	3902.90	3947.90	3933.29	4179.01	3849.85	4029.73	3702.07	3564.18	3774.14	3607.89
70	3895.06	3995.90	4003.85	4250.96	3841.04	4100.40	3777.04	3629.05	3810.44	3676.19
71	3844.80	4028.77	4079.24	4302.84	3811.62	4166.66	3861.02	3690.48	3819.99	3746.43
72	3744.71	4052.29	4162.26	4326.68	3698.10	4208.01	3948.87	3747.50	3792.50	3813.01
73	3566.54	4056.80	4243.45	4324.21	3536.90	4226.69	4038.22	3793.14	3697.56	3865.85
74	3298.49	4024.26	4333.33	4267.72	3312.13	4206.50	4124.78	3826.65	3502.43	3901.93
75	2936.57	3941.13	4415.28	4152.48	2973.52	4130.90	4223.79	3828.58	3212.90	3900.32
76	2487.45	3781.33	4486.05	3946.72	2626.31	3975.18	4317.87	3778.11	2845.40	3848.24
77	2051.22	3544.85	4531.15	3682.85	2259.03	3753.30	4397.45	3654.93	2427.42	3700.36
78	1641.83	3219.66	4542.43	3356.16	1900.65	3464.41	4461.35	3432.84	2000.10	3461.94
79	1280.88	2808.45	4501.62	2965.46	1550.01	3147.60	4492.60	3121.40	1579.76	3121.83
80	1002.20	2384.46	4355.57	2582.17	1260.16	2751.75	4450.29	2766.89	1255.97	2743.16
81	755.08	1901.83	4081.50	2148.84	977.71	2329.48	4241.73	2326.68	981.90	2321.74
82	568.11	1491.59	3511.77	1748.15	748.64	1919.34	3816.77	1897.22	757.45	1905.70
83	430.00	1167.15	2798.57	1409.65	571.01	1566.44	3238.67	1518.44	553.51	1535.09
84	312.09	915.21	2063.03	1141.27	438.49	1275.62	2549.53	1212.90	404.55	1203.24
85	228.64	687.32	1415.02	858.40	300.06	982.22	1868.65	933.04	290.93	917.57
86	153.68	508.94	904.68	597.43	208.13	683.67	1314.28	694.94	202.01	685.39
87	102.88	327.01	439.67	370.94	122.97	437.31	704.93	491.76	124.47	473.07
88	58.96	168.29	159.16	202.33	69.91	239.92	301.24	297.37	70.77	283.63
89	29.00	53.27	46.50	55.52	30.61	63.90	91.82	130.16	35.98	99.23
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL140WT40120V_TYPE V.IES

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	1714.97	1714.97	1714.97	1714.97	1714.97	1714.97	1714.97
1	1699.40	1684.26	1678.56	1681.36	1658.16	1693.49	1717.65
2	1697.25	1682.86	1678.35	1681.68	1660.20	1696.93	1721.41
3	1696.18	1682.32	1678.35	1683.93	1662.56	1700.79	1725.92
4	1696.71	1683.29	1680.07	1686.62	1667.07	1705.63	1731.19
5	1697.68	1684.68	1682.75	1690.59	1671.58	1711.64	1737.74
6	1699.83	1687.26	1686.19	1695.42	1676.95	1718.94	1745.36
7	1703.26	1691.02	1691.13	1701.33	1683.50	1726.46	1753.31
8	1707.24	1695.64	1697.03	1707.88	1692.31	1734.62	1762.44
9	1712.28	1701.76	1703.48	1715.72	1701.33	1744.50	1772.64
10	1719.37	1709.28	1711.43	1725.49	1711.43	1755.24	1784.45
11	1726.89	1717.12	1720.55	1736.56	1722.27	1766.84	1797.66
12	1735.48	1726.89	1729.79	1747.08	1734.30	1781.45	1812.70
13	1745.36	1736.34	1741.93	1758.89	1747.94	1796.80	1828.06
14	1755.56	1747.40	1753.20	1771.78	1762.33	1813.45	1844.27
15	1768.13	1758.79	1765.55	1785.31	1778.01	1829.56	1861.35
16	1781.23	1770.92	1779.08	1801.74	1794.12	1846.85	1879.71
17	1794.66	1783.81	1793.69	1818.50	1811.62	1865.97	1900.33
18	1808.72	1799.92	1811.52	1836.22	1829.02	1884.44	1921.06
19	1824.51	1816.03	1827.20	1854.26	1851.36	1903.34	1943.50
20	1841.80	1831.06	1845.99	1874.77	1873.05	1924.71	1966.81
21	1859.84	1848.35	1865.11	1896.14	1895.82	1946.62	1991.29
22	1879.17	1867.68	1886.48	1918.48	1919.88	1969.71	2016.32
23	1899.04	1887.55	1909.03	1943.83	1944.58	1996.34	2043.06
24	1919.55	1910.43	1934.27	1968.74	1970.03	2020.83	2069.48
25	1943.07	1932.44	1957.79	1994.41	1997.52	2047.68	2098.79
26	1966.70	1955.10	1982.59	2024.48	2024.16	2076.46	2127.04
27	1989.47	1979.37	2008.58	2052.51	2051.86	2107.82	2159.04
28	2012.99	2007.83	2036.08	2082.47	2081.72	2138.75	2192.66
29	2037.47	2033.61	2068.08	2112.97	2112.00	2170.43	2227.24
30	2066.58	2060.78	2097.29	2144.22	2145.73	2203.18	2262.46
31	2091.60	2087.20	2126.61	2173.86	2176.23	2234.76	2299.30
32	2118.45	2114.26	2156.79	2208.66	2208.55	2267.19	2336.03
33	2146.16	2139.60	2186.11	2238.94	2241.41	2303.27	2372.43
34	2175.47	2170.00	2219.83	2269.66	2274.92	2338.18	2411.42
35	2205.44	2198.67	2250.86	2299.73	2311.33	2374.04	2447.72
36	2237.98	2226.92	2283.51	2329.58	2346.34	2408.09	2483.80

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL140WT40120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

37	2267.08	2253.01	2316.91	2362.77	2380.17	2441.70	2525.15
38	2295.43	2282.22	2353.53	2394.56	2413.14	2481.12	2564.67
39	2323.25	2310.57	2383.71	2427.42	2446.11	2519.03	2605.59
40	2349.99	2341.07	2418.40	2459.96	2478.11	2557.15	2647.04
41	2378.66	2371.79	2452.55	2491.32	2506.57	2596.67	2689.14
42	2402.07	2399.71	2486.27	2524.50	2536.53	2634.90	2732.63
43	2428.82	2433.22	2524.61	2556.61	2566.17	2675.82	2775.37
44	2456.85	2463.18	2561.88	2587.65	2597.10	2712.98	2818.98
45	2481.22	2493.36	2599.25	2620.84	2627.39	2753.47	2867.20
46	2507.86	2526.11	2635.87	2657.35	2658.32	2795.14	2916.49
47	2536.10	2559.84	2671.10	2692.04	2691.39	2837.34	2959.55
48	2562.41	2593.13	2708.58	2724.26	2721.14	2881.16	3005.73
49	2589.26	2623.31	2743.80	2759.16	2753.47	2920.03	3046.22
50	2615.04	2655.63	2780.31	2794.06	2782.68	2959.55	3086.49
51	2640.27	2689.46	2817.04	2834.23	2814.36	2998.11	3134.07
52	2666.69	2726.62	2858.18	2869.67	2845.83	3040.10	3175.52
53	2695.15	2763.24	2897.37	2907.79	2878.15	3079.73	3225.89
54	2726.62	2801.04	2934.10	2945.92	2914.99	3115.71	3269.71
55	2759.05	2839.38	2972.23	2989.84	2951.39	3154.37	3316.42
56	2791.38	2882.34	3014.76	3030.65	2987.91	3194.85	3356.91
57	2821.55	2921.75	3050.52	3073.07	3028.39	3229.76	3405.78
58	2858.07	2963.21	3093.90	3117.42	3072.96	3269.39	3459.47
59	2895.23	3011.10	3134.61	3166.29	3113.56	3307.62	3508.34
60	2932.60	3060.72	3175.95	3219.77	3154.90	3344.67	3553.76
61	2971.26	3115.92	3223.42	3271.64	3204.31	3389.34	3599.84
62	3018.84	3167.68	3267.56	3326.95	3256.93	3429.83	3642.90
63	3065.45	3224.17	3313.74	3387.41	3303.54	3475.04	3685.64
64	3116.67	3286.89	3360.78	3449.38	3356.80	3517.68	3734.19
65	3174.23	3353.58	3408.03	3524.98	3410.50	3562.68	3774.89
66	3227.29	3426.93	3451.42	3593.29	3459.79	3613.48	3810.44
67	3288.29	3497.38	3496.42	3665.56	3521.98	3652.78	3852.32
68	3356.16	3570.20	3533.36	3748.90	3581.04	3693.70	3884.32
69	3424.68	3645.59	3566.01	3829.77	3644.73	3734.29	3902.90
70	3496.31	3726.56	3585.66	3905.16	3712.28	3777.04	3895.06
71	3577.18	3801.20	3581.79	3974.43	3790.14	3807.43	3844.80
72	3670.07	3862.41	3521.44	4027.59	3863.70	3821.07	3744.71
73	3758.67	3907.30	3412.76	4065.82	3943.71	3809.25	3566.54
74	3849.85	3920.08	3223.53	4066.68	4022.00	3750.83	3298.49
75	3951.01	3879.06	2967.61	4016.31	4098.46	3625.29	2936.57
76	4049.92	3775.00	2664.44	3899.25	4176.65	3431.98	2487.45
77	4162.79	3600.48	2327.33	3713.78	4231.42	3155.87	2051.22
78	4251.07	3351.86	1986.35	3430.91	4257.09	2806.52	1641.83
79	4309.06	3016.37	1631.74	3120.00	4241.41	2376.51	1280.88
80	4289.41	2670.24	1340.81	2765.60	4118.55	1967.02	1002.20
81	4088.80	2296.29	1079.41	2338.60	3839.54	1583.20	755.08
82	3700.36	1923.10	853.24	1985.92	3345.10	1252.75	568.11
83	3155.01	1551.62	667.56	1598.88	2685.38	958.49	430.00
84	2517.84	1255.54	499.38	1288.83	1998.17	736.40	312.09
85	1837.72	1013.15	380.39	1038.93	1371.95	558.88	228.64
86	1285.82	801.26	274.50	783.54	907.69	401.97	153.68
87	810.71	540.62	169.57	517.21	502.07	249.26	102.88
88	348.71	328.73	98.91	295.01	203.30	126.29	58.96
89	92.14	133.71	43.92	99.34	55.74	34.37	29.00
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
PHOTOMETRIC FILENAME : MPL140WT40120V_TYPE V.IES

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 : MPL140WT40120V_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 : MPL140WT40120V_TYPE V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	679.00	4.10	4.10
0-30	1620.58	9.90	9.90
0-40	3098.03	18.80	18.80
0-60	7966.23	48.50	48.50
0-80	15275.03	92.90	92.90
0-90	16437.82	100.00	100.00
10-90	16274.13	99.00	99.00
20-40	2419.03	14.70	14.70
20-50	4516.81	27.50	27.50
40-70	8397.21	51.10	51.10
60-80	7308.8	44.50	44.50
70-80	3779.79	23.00	23.00
80-90	1162.79	7.10	7.10
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	16437.82	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.70
10-20	515.31
20-30	941.58
30-40	1477.45
40-50	2097.78
50-60	2770.42
60-70	3529.01
70-80	3779.79
80-90	1162.79
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

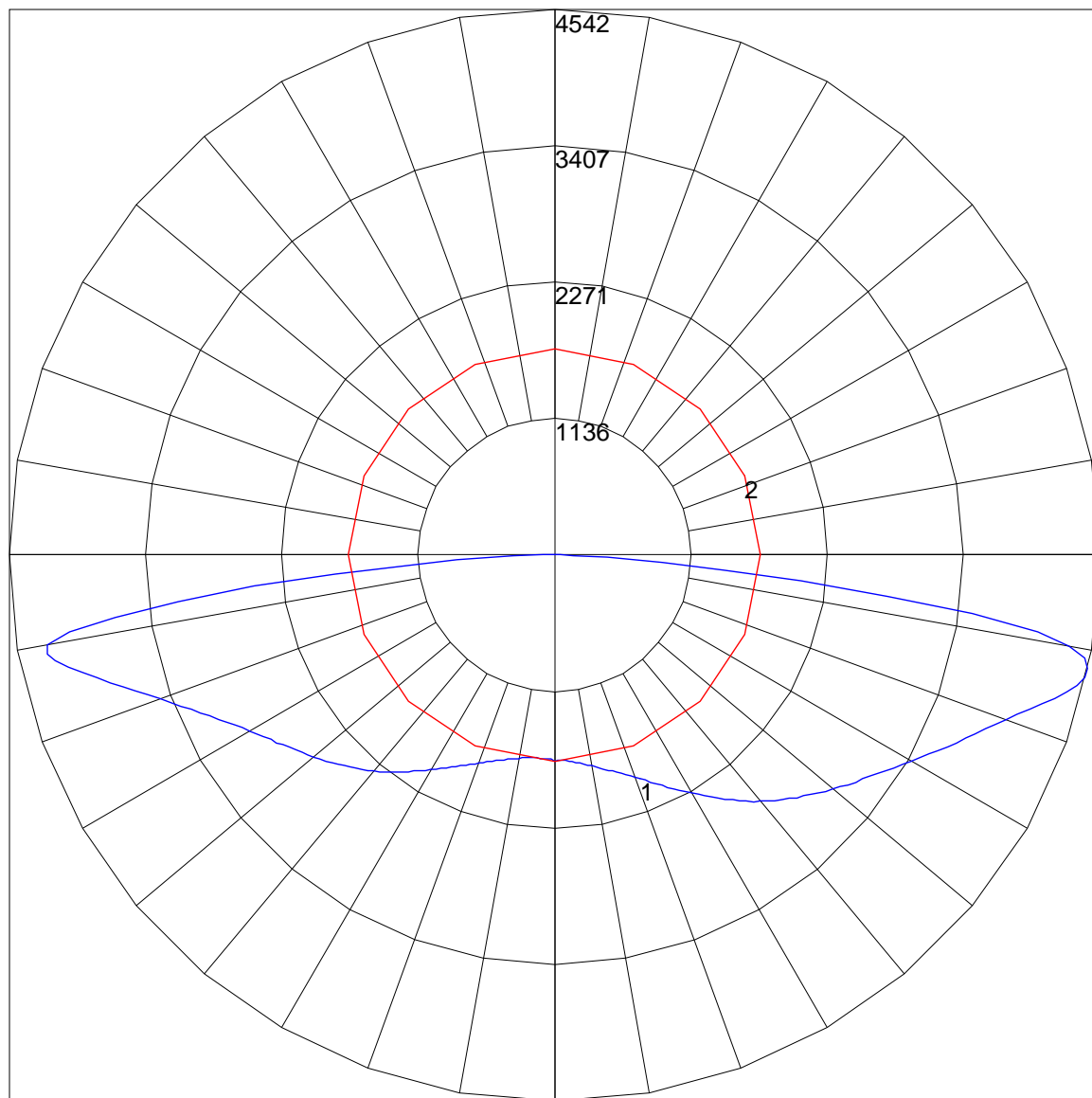
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : MPL140WT40120V_TYPE V.IES

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	103	95	89	83	100	93	87	81	88	83	79	84	80	76	80	77	74	71
2	89	77	68	59	86	75	66	59	71	64	57	68	61	56	65	59	54	52
3	79	65	53	45	76	63	52	44	59	51	43	56	49	42	54	47	41	39
4	71	55	44	35	68	54	43	34	51	41	34	48	40	33	46	39	33	30
5	64	48	36	28	61	46	36	28	44	35	27	42	34	27	40	32	27	24
6	58	42	31	23	56	41	31	23	39	30	23	37	29	22	35	28	22	20
7	54	37	27	20	52	37	27	19	35	26	19	33	25	19	32	24	19	16
8	50	34	24	17	48	33	23	17	31	23	17	30	22	16	29	22	16	14
9	46	31	21	15	45	30	21	15	29	20	14	27	20	14	26	19	14	12
10	43	28	19	13	42	27	19	13	26	18	13	25	18	13	24	17	13	11

POLAR GRAPH



Maximum Candela = 4542.43 Located At Horizontal Angle = 45, Vertical Angle = 78
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)