

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5-40000LM4K.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] DG3221028-50022E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-11-29  
[ISSUEDATE] 2022-11-29 16:22:47  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL40HTT5-40000LM4K  
[LAMP] N/A

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	41980
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	302.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.62
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.30 m
Luminous Width (90-270)	0.28 m
Luminous Height	0.00 m

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	189007	182684	171678
55	204422	192411	180797
65	181297	175073	176599
75	64403	57771	79516
85	12490	14530	13469

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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	11633.26	11633.26	11633.26	11633.26	11633.26	11633.26	11633.26	11633.26	11633.26	11633.26
1	11675.21	11675.24	11668.84	11657.77	11640.68	11624.12	11609.20	11596.74	11591.40	11590.64
2	11715.58	11715.31	11702.19	11680.17	11648.20	11615.79	11583.99	11561.38	11548.80	11548.14
3	11757.49	11756.04	11736.61	11704.27	11657.25	11607.40	11558.89	11523.03	11506.09	11505.21
4	11801.49	11796.64	11771.84	11727.92	11667.08	11598.57	11535.19	11486.48	11463.07	11462.91
5	11843.25	11836.51	11805.51	11753.08	11675.01	11589.10	11509.10	11452.59	11423.12	11421.88
6	11884.96	11876.58	11840.38	11776.68	11680.56	11578.69	11483.71	11417.39	11383.29	11382.01
7	11927.36	11917.07	11872.33	11798.12	11686.76	11567.26	11456.84	11381.35	11344.01	11341.75
8	11968.99	11956.72	11902.49	11818.31	11690.91	11553.51	11431.94	11347.67	11306.33	11303.90
9	12009.16	11995.40	11930.28	11838.19	11694.76	11540.44	11408.35	11314.74	11266.93	11267.59
10	12050.69	12034.17	11956.95	11854.91	11696.74	11529.30	11387.35	11283.50	11230.00	11232.10
11	12092.33	12071.98	11981.69	11869.36	11697.80	11520.23	11368.57	11254.57	11193.23	11196.17
12	12131.96	12107.14	12003.22	11881.71	11699.73	11511.23	11350.14	11228.68	11157.25	11162.34
13	12169.46	12139.81	12024.16	11891.55	11699.00	11501.34	11331.00	11203.28	11122.40	11127.49
14	12205.59	12169.68	12042.02	11898.44	11695.81	11491.27	11311.36	11176.79	11088.53	11094.04
15	12240.28	12196.06	12056.71	11903.86	11692.49	11479.25	11289.69	11147.69	11054.94	11061.31
16	12271.29	12219.72	12068.80	11906.10	11686.71	11464.50	11266.83	11118.35	11021.24	11028.23
17	12298.01	12240.41	12078.52	11907.68	11679.24	11450.41	11246.53	11085.81	10986.54	10992.66
18	12319.96	12256.79	12082.29	11903.58	11670.89	11435.21	11221.50	11053.29	10952.31	10955.99
19	12341.42	12268.18	12080.84	11896.16	11660.88	11414.80	11194.44	11017.32	10918.98	10919.31
20	12357.83	12274.06	12073.54	11885.29	11647.86	11393.77	11167.13	10981.20	10885.50	10882.02
21	12366.31	12275.26	12061.65	11871.62	11633.66	11370.59	11134.50	10941.44	10846.95	10844.05
22	12368.81	12268.68	12045.23	11854.18	11614.04	11345.61	11098.43	10899.57	10806.99	10806.55
23	12365.46	12254.26	12025.91	11832.95	11593.30	11316.64	11059.72	10853.35	10764.10	10768.10
24	12353.34	12233.45	12001.61	11807.74	11567.17	11286.74	11017.93	10805.99	10720.06	10728.22
25	12334.93	12208.55	11975.67	11778.68	11541.88	11255.85	10975.68	10755.29	10672.82	10684.58
26	12312.28	12180.21	11949.68	11747.33	11507.15	11220.77	10930.54	10704.42	10619.78	10636.85
27	12285.84	12149.14	11918.84	11712.45	11471.40	11183.85	10886.59	10652.20	10566.87	10589.23
28	12255.33	12116.79	11886.87	11674.22	11432.50	11147.16	10844.68	10600.45	10513.54	10539.34
29	12223.17	12079.34	11851.90	11633.72	11389.43	11106.74	10802.12	10549.57	10460.92	10486.92
30	12191.12	12040.71	11813.85	11590.48	11341.89	11063.38	10760.34	10499.61	10407.36	10434.87
31	12158.18	12001.41	11773.59	11544.00	11292.77	11018.39	10714.81	10448.03	10358.02	10385.97
32	12124.95	11960.16	11731.45	11494.80	11237.92	10971.57	10669.51	10398.62	10311.70	10336.54
33	12087.55	11917.57	11687.01	11443.41	11181.50	10920.51	10620.79	10347.44	10265.12	10288.59
34	12045.57	11870.19	11637.05	11386.96	11119.70	10866.90	10568.51	10297.65	10220.74	10242.48
35	11998.40	11820.91	11587.52	11326.39	11055.89	10811.09	10516.24	10246.21	10174.18	10196.39
36	11944.00	11768.82	11532.93	11263.20	10987.51	10752.60	10460.09	10193.41	10130.20	10146.61
37	11886.91	11713.26	11477.39	11195.62	10914.88	10688.77	10403.60	10140.26	10081.38	10095.10
38	11824.32	11653.95	11417.52	11126.16	10837.49	10621.15	10342.67	10084.45	10028.49	10044.32
39	11754.27	11587.35	11350.71	11051.46	10757.21	10549.43	10280.23	10028.11	9976.27	9991.36
40	11682.92	11520.01	11282.09	10974.51	10672.13	10473.73	10215.83	9967.54	9917.16	9940.16
41	11603.05	11446.55	11207.58	10891.86	10583.01	10394.78	10149.96	9910.77	9858.59	9885.26
42	11519.15	11369.34	11129.89	10805.72	10490.57	10309.77	10081.12	9846.57	9795.77	9826.46
43	11427.17	11283.82	11043.69	10713.99	10396.06	10221.25	10008.62	9780.47	9731.07	9766.88
44	11330.40	11193.76	10953.40	10617.39	10302.43	10128.76	9935.94	9712.80	9664.00	9705.24
45	11231.21	11098.42	10855.49	10516.56	10201.48	10029.71	9858.03	9641.30	9590.97	9642.07
46	11125.83	10995.67	10748.59	10406.83	10100.70	9926.49	9777.73	9569.33	9517.64	9574.96
47	11022.04	10885.64	10634.60	10292.01	9988.14	9819.01	9692.07	9495.15	9440.06	9503.35
48	10911.52	10769.41	10507.76	10172.53	9872.52	9705.62	9600.25	9419.33	9357.98	9429.40
49	10799.37	10643.47	10369.68	10045.62	9744.91	9587.04	9501.70	9338.45	9268.19	9350.07
50	10687.69	10512.50	10222.58	9921.38	9611.21	9468.41	9396.48	9252.65	9172.24	9268.43
51	10567.01	10366.33	10061.83	9784.95	9468.78	9343.88	9283.50	9160.66	9064.79	9180.65
52	10427.95	10213.38	9887.44	9641.37	9306.76	9213.38	9158.85	9055.47	8940.80	9082.85
53	10265.85	10046.44	9698.57	9478.74	9124.11	9072.66	9026.22	8940.59	8800.85	8973.83

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54	10079.34	9856.47	9494.24	9300.43	8920.50	8919.29	8883.56	8804.49	8647.45	8846.76
55	9853.32	9641.32	9274.38	9098.06	8714.59	8747.47	8729.88	8646.17	8482.94	8701.79
56	9600.57	9392.39	9040.04	8858.26	8508.24	8550.77	8563.51	8471.94	8317.25	8540.19
57	9327.01	9106.07	8788.91	8598.65	8294.27	8341.38	8387.21	8277.59	8155.06	8361.53
58	9037.30	8781.85	8525.32	8322.14	8072.85	8114.67	8188.50	8065.88	8004.12	8184.08
59	8734.14	8443.48	8239.58	8037.90	7840.67	7880.22	7972.12	7846.18	7862.89	8005.65
60	8423.56	8084.32	7944.06	7740.56	7608.73	7637.97	7726.13	7625.66	7729.83	7830.03
61	8104.09	7717.81	7625.69	7433.11	7370.38	7391.43	7447.21	7399.19	7594.09	7662.25
62	7754.20	7346.90	7295.88	7116.11	7130.42	7125.97	7129.12	7158.10	7445.55	7490.59
63	7382.11	6973.27	6947.06	6800.60	6880.08	6864.06	6783.46	6911.88	7272.69	7315.24
64	6937.95	6587.83	6585.42	6479.24	6591.08	6591.19	6419.14	6642.04	7046.85	7109.14
65	6438.76	6172.29	6217.71	6152.44	6271.93	6300.22	6069.84	6348.10	6763.55	6864.17
66	5895.76	5727.31	5852.83	5819.67	5911.31	5972.88	5722.70	6041.14	6424.55	6575.69
67	5320.61	5242.65	5472.98	5472.63	5516.42	5611.04	5378.59	5692.28	6028.31	6241.09
68	4768.37	4746.96	5064.87	5106.22	5074.59	5202.82	5042.62	5330.72	5596.29	5883.65
69	4230.29	4254.49	4611.27	4694.24	4546.26	4754.28	4718.23	4951.05	5131.52	5509.30
70	3728.54	3771.33	4107.01	4243.88	3974.37	4278.69	4398.09	4558.78	4660.42	5125.85
71	3223.30	3286.99	3538.29	3731.75	3396.66	3747.86	4026.32	4120.97	4139.29	4708.23
72	2709.07	2794.26	2903.23	3173.54	2862.60	3205.06	3575.27	3625.43	3577.80	4257.86
73	2214.78	2319.37	2278.18	2597.35	2414.27	2660.29	3031.31	3055.80	2971.66	3724.35
74	1766.36	1858.87	1725.15	2062.97	2048.69	2162.08	2390.66	2449.19	2345.80	3124.47
75	1400.77	1447.71	1256.53	1635.15	1729.48	1740.16	1876.51	1877.06	1798.66	2480.65
76	1131.25	1089.62	898.14	1303.80	1453.91	1461.38	1362.36	1527.77	1464.76	1992.69
77	915.37	809.29	654.49	1025.05	1178.33	1182.60	855.81	1178.48	1133.29	1504.74
78	696.48	607.83	548.97	795.92	902.75	904.48	623.83	830.22	899.12	1018.71
79	547.94	480.42	445.39	605.88	627.81	708.11	478.55	609.27	644.59	769.60
80	400.39	354.04	341.82	479.62	371.51	549.80	385.34	439.58	414.10	558.87
81	252.85	270.16	277.47	353.52	263.53	428.25	316.49	328.97	289.78	383.94
82	196.48	216.70	229.77	273.10	202.62	349.23	268.14	269.20	219.88	269.75
83	156.17	167.13	188.30	209.74	167.92	284.53	226.40	222.30	171.62	211.66
84	122.95	123.69	146.49	159.98	133.22	228.00	185.59	170.94	123.36	153.57
85	91.48	89.19	106.42	112.82	98.65	174.36	144.77	119.58	75.52	96.10
86	59.74	58.69	71.33	77.90	70.83	120.72	104.36	68.89	50.40	72.13
87	35.09	35.98	49.29	55.07	46.81	67.40	78.47	46.04	25.27	48.17
88	10.48	13.29	27.29	32.28	31.57	45.17	52.59	23.19	0.76	24.20
89	7.69	9.61	5.30	9.48	16.33	22.95	26.71	1.02	0.78	0.88
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 : MPLSEL40HTT5-40000LM4K.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	11633.26	11633.26	11633.26	11633.26	11633.26	11633.26	11633.26
1	11595.53	11608.31	11624.65	11641.05	11656.62	11668.45	11675.21
2	11558.10	11583.62	11615.07	11648.52	11678.97	11704.41	11715.58
3	11521.00	11558.02	11605.59	11657.75	11703.74	11741.24	11757.49
4	11483.96	11530.65	11595.97	11665.28	11729.19	11777.30	11801.49
5	11447.77	11503.43	11585.45	11674.60	11754.99	11815.98	11843.25
6	11412.33	11476.59	11577.09	11681.94	11777.97	11850.58	11884.96
7	11376.37	11448.66	11565.97	11686.43	11801.29	11885.90	11927.36
8	11342.08	11421.52	11553.20	11693.66	11826.17	11922.07	11968.99
9	11307.83	11396.38	11540.62	11701.99	11850.08	11956.66	12009.16
10	11274.76	11372.77	11530.09	11709.98	11876.11	11992.55	12050.69
11	11243.90	11348.82	11522.70	11717.18	11900.68	12028.91	12092.33
12	11213.39	11326.50	11514.71	11723.07	11923.33	12063.66	12131.96
13	11184.65	11307.08	11507.65	11727.95	11944.41	12098.77	12169.46
14	11154.51	11288.32	11502.37	11731.49	11962.75	12131.92	12205.59
15	11122.72	11269.44	11498.49	11733.42	11978.37	12162.82	12240.28
16	11088.52	11252.02	11494.06	11736.07	11990.47	12189.40	12271.29
17	11055.64	11233.85	11489.32	11739.08	12000.17	12212.13	12298.01
18	11025.52	11215.61	11481.55	11739.77	12006.29	12230.34	12319.96
19	10993.30	11197.61	11472.80	11738.09	12009.71	12245.50	12341.42
20	10960.80	11177.55	11462.79	11734.00	12011.73	12258.02	12357.83
21	10929.92	11155.41	11452.95	11728.39	12010.51	12266.86	12366.31
22	10896.71	11133.59	11439.62	11720.21	12007.28	12269.67	12368.81
23	10863.41	11110.10	11426.79	11708.56	11999.12	12267.15	12365.46
24	10829.44	11085.75	11410.45	11695.48	11984.15	12256.49	12353.34
25	10796.21	11063.23	11392.22	11680.68	11967.22	12239.70	12334.93
26	10760.38	11038.92	11372.42	11662.98	11947.31	12219.13	12312.28
27	10722.31	11012.12	11352.11	11642.51	11924.92	12193.76	12285.84
28	10682.46	10984.15	11329.22	11617.52	11899.41	12164.49	12255.33
29	10643.03	10954.30	11302.55	11591.30	11870.54	12132.92	12223.17
30	10602.01	10922.91	11275.53	11561.20	11837.50	12099.90	12191.12
31	10563.84	10890.24	11245.63	11527.99	11804.77	12063.44	12158.18
32	10523.34	10855.80	11216.10	11494.49	11770.63	12023.37	12124.95
33	10482.96	10820.87	11183.71	11456.82	11733.39	11977.90	12087.55
34	10443.63	10783.75	11148.57	11415.34	11693.81	11927.34	12045.57
35	10400.78	10743.40	11104.82	11370.83	11651.13	11876.21	11998.40
36	10357.57	10701.11	11049.32	11325.93	11604.99	11819.58	11944.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5-40000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

37	10313.85	10653.98	10991.90	11278.14	11559.50	11763.34	11886.91
38	10270.59	10596.74	10934.65	11225.89	11511.42	11702.79	11824.32
39	10224.67	10538.17	10878.59	11169.20	11461.42	11638.01	11754.27
40	10179.47	10478.37	10822.61	11110.83	11405.50	11570.29	11682.92
41	10129.51	10419.53	10765.14	11049.81	11344.32	11495.21	11603.05
42	10077.01	10357.04	10706.92	10986.49	11280.76	11418.63	11519.15
43	10020.61	10291.71	10644.88	10918.29	11215.17	11338.65	11427.17
44	9967.01	10227.27	10580.71	10845.45	11143.17	11254.92	11330.40
45	9910.57	10160.90	10511.92	10770.42	11070.03	11169.09	11231.21
46	9853.95	10096.25	10437.34	10688.81	10987.80	11076.27	11125.83
47	9793.81	10026.99	10359.84	10606.63	10901.93	10981.48	11022.04
48	9727.83	9954.50	10275.18	10519.75	10804.82	10879.76	10911.52
49	9657.21	9876.22	10185.19	10426.68	10697.05	10771.66	10799.37
50	9580.25	9794.78	10093.07	10332.12	10586.66	10660.98	10687.69
51	9497.34	9706.57	9990.42	10222.32	10465.29	10539.97	10567.01
52	9408.82	9614.65	9883.21	10105.70	10336.06	10413.77	10427.95
53	9319.46	9516.66	9762.32	9980.17	10200.57	10277.77	10265.85
54	9221.66	9413.76	9625.97	9843.68	10050.09	10128.91	10079.34
55	9116.50	9301.73	9485.65	9687.14	9888.20	9953.48	9853.32
56	9002.06	9173.17	9333.95	9515.43	9717.57	9751.85	9600.57
57	8877.05	9029.34	9175.99	9325.38	9535.37	9521.34	9327.01
58	8733.57	8869.24	9007.63	9122.77	9337.81	9260.45	9037.30
59	8570.85	8704.38	8837.63	8915.50	9121.03	8968.55	8734.14
60	8376.96	8522.30	8665.83	8694.61	8884.90	8659.09	8423.56
61	8143.84	8330.33	8485.01	8463.26	8627.95	8332.21	8104.09
62	7878.57	8122.56	8305.21	8215.43	8341.99	7999.26	7754.20
63	7581.17	7901.50	8145.25	7958.25	8037.48	7664.21	7382.11
64	7241.28	7655.57	7967.42	7703.25	7699.53	7310.23	6937.95
65	6891.83	7405.02	7780.70	7442.86	7338.90	6922.55	6438.76
66	6526.34	7146.51	7570.22	7167.63	6964.54	6494.63	5895.76
67	6172.37	6860.54	7322.43	6869.49	6565.83	6008.93	5320.61
68	5831.00	6556.76	7031.79	6539.45	6163.84	5487.57	4768.37
69	5522.02	6226.53	6662.85	6177.02	5764.29	4956.87	4230.29
70	5254.39	5865.00	6234.35	5787.11	5351.24	4421.35	3728.54
71	5007.18	5457.82	5735.03	5354.11	4884.20	3879.84	3223.30
72	4725.67	5018.48	5205.89	4898.11	4316.29	3338.01	2709.07
73	4332.06	4543.63	4568.15	4404.96	3643.65	2792.18	2214.78
74	3774.41	4024.46	3844.71	3814.54	2884.02	2265.96	1766.36
75	3099.25	3390.32	3137.52	3069.19	2091.63	1775.80	1400.77
76	2367.95	2661.20	2602.62	2338.72	1431.02	1347.52	1131.25
77	1811.58	1931.41	2186.62	1769.68	967.43	1010.52	915.37
78	1255.21	1503.35	1809.30	1382.55	693.41	754.52	696.48
79	700.78	1076.72	1390.63	1070.49	572.95	598.55	547.94
80	495.13	779.46	809.36	803.10	454.60	443.97	400.39
81	366.72	534.69	603.57	621.03	336.26	289.39	252.85
82	273.63	360.40	399.74	439.40	256.56	224.54	196.48
83	202.86	249.69	195.91	257.77	195.92	170.20	156.17
84	161.97	192.07	145.18	184.14	152.66	128.70	122.95
85	121.08	153.69	109.73	123.47	116.91	93.35	91.48
86	80.64	115.21	80.28	82.93	79.56	59.37	59.74
87	53.91	73.31	55.67	57.13	64.12	35.46	35.09
88	27.17	49.10	31.07	31.37	48.83	11.62	10.48
89	1.22	24.89	6.48	5.62	33.53	8.43	7.69
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 : MPLSEL40HTT5-40000LM4K.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 : MPLSEL40HTT5-40000LM4K.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 : MPLSEL40HTT5-40000LM4K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4400.71	N.A.	10.50
0-30	9694.57	N.A.	23.10
0-40	16625.08	N.A.	39.60
0-60	32834.19	N.A.	78.20
0-80	41812.38	N.A.	99.60
0-90	41980.46	N.A.	100.00
10-90	40870.43	N.A.	97.40
20-40	12224.37	N.A.	29.10
20-50	20248.08	N.A.	48.20
40-70	22750.5	N.A.	54.20
60-80	8978.19	N.A.	21.40
70-80	2436.8	N.A.	5.80
80-90	168.08	N.A.	0.40
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	41980.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1110.02
10-20	3290.69
20-30	5293.87
30-40	6930.51
40-50	8023.71
50-60	8185.41
60-70	6541.39
70-80	2436.8
80-90	168.08
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 : MPLSEL40HTT5-40000LM4K.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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	54	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	38	33	31
8	58	44	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	22

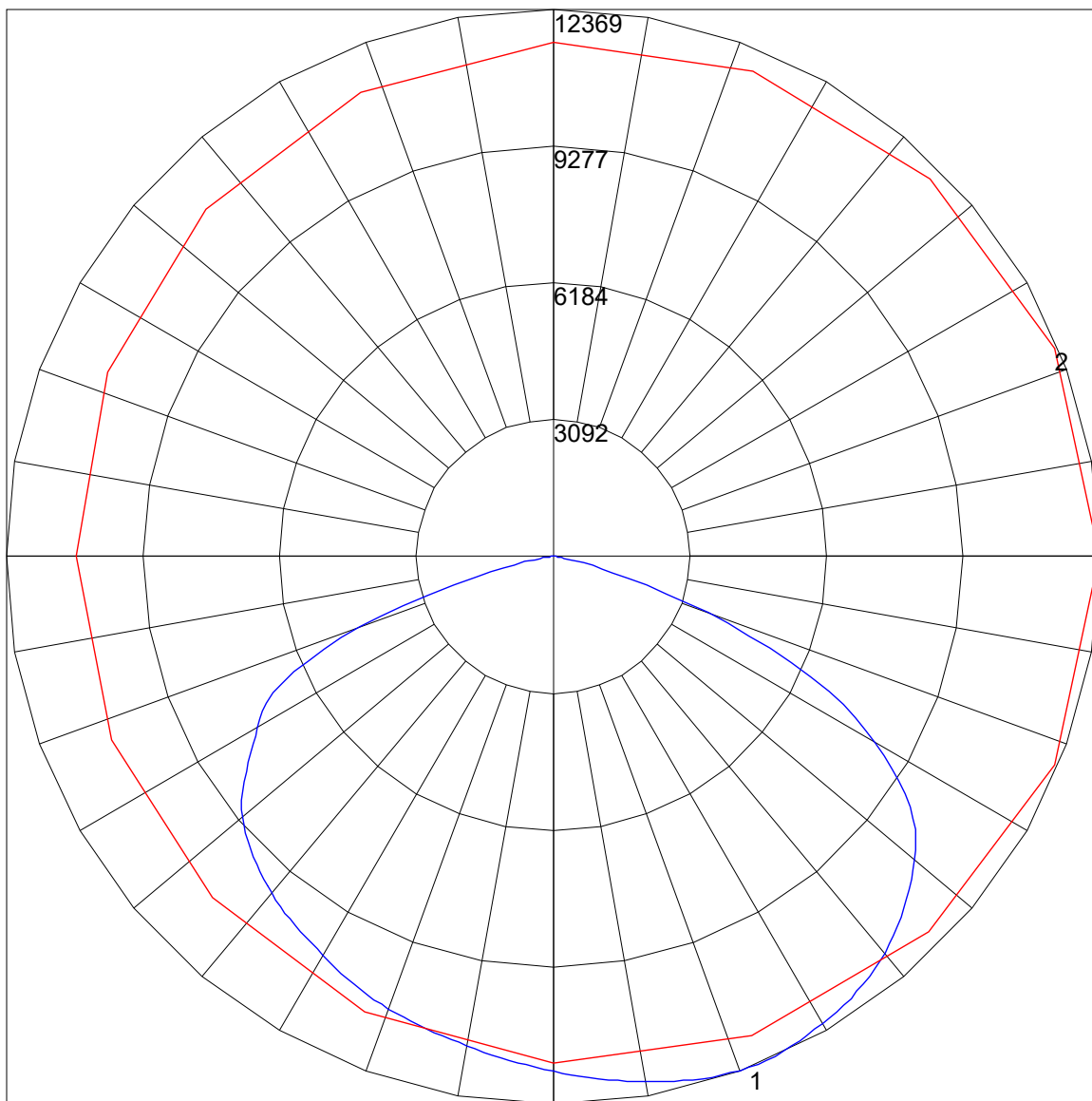
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT5-40000LM4K.IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	31.5	33.2	31.9	33.6	33.9	30.9	32.6	31.2	32.9	33.2
	3H	32.8	34.4	33.2	34.7	35.0	32.5	34.0	32.9	34.4	34.7
	4H	33.0	34.4	33.4	34.8	35.1	32.7	34.2	33.1	34.5	34.9
	6H	33.0	34.3	33.4	34.7	35.1	32.7	34.1	33.2	34.4	34.8
	8H	32.9	34.2	33.4	34.6	35.0	32.7	34.0	33.1	34.4	34.8
	12H	32.9	34.1	33.3	34.5	35.0	32.7	33.9	33.1	34.3	34.7
4H	2H	32.2	33.6	32.6	34.0	34.4	31.5	33.0	31.9	33.3	33.7
	3H	33.6	34.8	34.0	35.2	35.6	33.3	34.5	33.7	34.9	35.3
	4H	33.8	34.9	34.2	35.3	35.7	33.5	34.6	34.0	35.0	35.5
	6H	33.8	34.8	34.3	35.2	35.7	33.6	34.5	34.0	35.0	35.4
	8H	33.8	34.7	34.3	35.1	35.6	33.6	34.4	34.0	34.9	35.3
	12H	33.8	34.6	34.3	35.0	35.5	33.5	34.3	34.0	34.8	35.3
8H	4H	33.9	34.8	34.4	35.2	35.7	33.6	34.5	34.1	34.9	35.4
	6H	33.9	34.6	34.4	35.1	35.6	33.6	34.4	34.1	34.9	35.3
	8H	33.9	34.5	34.4	35.0	35.5	33.6	34.3	34.1	34.8	35.3
	12H	33.9	34.4	34.4	34.9	35.5	33.6	34.2	34.1	34.7	35.2
12H	4H	33.9	34.7	34.4	35.2	35.6	33.6	34.4	34.1	34.8	35.3
	6H	33.9	34.6	34.4	35.0	35.5	33.6	34.3	34.1	34.7	35.3
	8H	33.9	34.5	34.4	34.9	35.5	33.6	34.2	34.1	34.7	35.2

Maximum UGR = 35.7

POLAR GRAPH



Maximum Candela = 12368.81 Located At Horizontal Angle = 0, Vertical Angle = 22  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (22) (Through Max. Cd.)