

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM3K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-50025E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-12-02  
[ISSUEDATE] 2022-12-02 15:47:49  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL40HTT3HV-40000LM3K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	39658
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	296.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.50
Spacing Criterion (Diagonal)	1.50
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	115109	152365	185464
55	84608	162644	229868
65	39165	163447	321941
75	19322	41690	372030
85	12942	11407	128956

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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	11482.36	11482.36	11482.36	11482.36	11482.36	11482.36	11482.36	11482.36	11482.36	11482.36
1	11517.74	11513.68	11504.17	11491.74	11477.24	11463.28	11451.02	11433.42	11448.78	11445.27
2	11546.08	11538.04	11522.06	11499.13	11471.65	11438.83	11416.50	11387.14	11394.57	11401.62
3	11567.46	11556.58	11536.59	11506.71	11464.44	11413.85	11378.24	11346.50	11335.08	11354.26
4	11585.29	11571.27	11546.36	11510.82	11449.45	11399.48	11339.07	11280.82	11271.11	11298.09
5	11597.22	11581.88	11554.30	11513.84	11442.29	11376.99	11294.55	11218.39	11200.03	11234.74
6	11608.45	11587.33	11558.42	11515.23	11436.95	11355.41	11246.55	11149.12	11123.97	11166.68
7	11607.65	11590.30	11561.35	11516.14	11438.48	11331.61	11196.42	11074.96	11040.33	11092.49
8	11602.71	11587.73	11562.02	11515.49	11430.96	11308.22	11143.97	11001.10	10953.10	11014.69
9	11592.52	11578.68	11561.38	11513.07	11421.81	11282.21	11089.68	10913.68	10861.97	10931.35
10	11573.52	11564.24	11555.95	11510.01	11414.21	11255.47	11031.80	10827.53	10761.77	10846.34
11	11554.81	11541.19	11547.40	11506.93	11406.66	11227.84	10972.58	10739.43	10659.33	10755.29
12	11511.83	11519.82	11535.41	11503.65	11398.71	11193.22	10910.76	10647.35	10563.73	10664.40
13	11465.01	11474.12	11517.66	11500.96	11387.52	11168.68	10848.86	10552.44	10447.02	10571.13
14	11411.73	11430.44	11496.41	11500.09	11389.28	11149.85	10783.94	10455.43	10335.73	10475.35
15	11352.38	11382.06	11469.49	11497.89	11389.92	11116.81	10717.66	10356.90	10222.79	10379.96
16	11282.62	11329.07	11440.34	11495.71	11386.59	11092.15	10652.21	10263.69	10108.38	10279.79
17	11205.20	11268.27	11405.75	11492.88	11383.00	11067.34	10584.71	10160.91	9991.86	10187.61
18	11124.00	11199.57	11368.75	11489.14	11378.27	11048.71	10520.00	10057.82	9874.89	10087.15
19	11031.63	11125.14	11328.86	11482.73	11370.88	11027.47	10450.77	9952.30	9754.77	9981.07
20	10934.05	11042.87	11282.56	11473.67	11362.64	10992.92	10380.43	9839.71	9633.21	9870.26
21	10836.57	10955.46	11233.26	11460.95	11353.10	10965.63	10315.53	9731.85	9510.82	9761.92
22	10723.69	10859.83	11179.28	11447.99	11340.62	10945.91	10252.49	9630.65	9386.05	9651.81
23	10595.51	10754.68	11123.44	11432.37	11327.97	10908.39	10192.16	9512.55	9261.11	9539.95
24	10464.40	10645.23	11062.11	11412.47	11315.08	10875.53	10124.65	9400.37	9124.62	9425.67
25	10325.76	10526.77	10998.04	11389.70	11302.03	10843.66	10062.28	9293.56	8992.19	9309.06
26	10183.05	10402.41	10931.69	11363.94	11288.85	10811.66	10004.63	9177.38	8857.98	9188.41
27	10034.48	10268.78	10861.41	11338.03	11275.63	10789.04	9939.06	9059.86	8718.39	9068.54
28	9881.48	10132.47	10788.05	11309.32	11256.67	10757.63	9869.48	8937.19	8580.21	8944.90
29	9727.34	9987.77	10712.26	11282.62	11244.95	10727.53	9805.47	8813.81	8435.51	8817.19
30	9560.04	9840.61	10632.15	11256.18	11237.63	10696.56	9749.26	8686.84	8290.14	8689.41
31	9391.23	9695.38	10550.03	11231.73	11227.76	10664.10	9685.00	8551.27	8139.01	8557.34
32	9224.30	9545.61	10466.03	11206.73	11212.22	10630.57	9621.24	8418.09	7987.91	8421.82
33	9055.46	9394.61	10375.89	11177.04	11196.97	10594.20	9552.88	8278.36	7829.53	8280.47
34	8885.56	9240.43	10281.04	11144.19	11179.98	10553.12	9478.62	8138.92	7666.29	8139.37
35	8713.61	9084.39	10188.32	11107.01	11164.20	10524.27	9408.29	7995.02	7497.99	7984.91
36	8534.59	8922.75	10089.32	11066.92	11147.30	10491.85	9337.64	7841.19	7321.42	7823.45
37	8349.29	8761.54	9989.98	11026.30	11130.66	10446.12	9263.79	7685.42	7137.34	7661.34
38	8169.76	8597.99	9884.31	10980.52	11127.70	10407.81	9187.19	7528.37	6946.15	7489.78
39	7990.18	8435.25	9774.93	10935.80	11122.10	10370.17	9115.91	7366.11	6747.94	7309.29
40	7806.98	8269.67	9666.47	10890.58	11115.12	10327.30	9034.56	7191.06	6543.10	7119.24
41	7618.02	8104.05	9549.47	10846.37	11104.78	10286.07	8952.71	7011.60	6340.12	6925.11
42	7430.16	7934.55	9432.33	10801.91	11088.97	10248.59	8861.22	6818.58	6123.97	6727.48
43	7234.85	7766.17	9308.49	10755.62	11063.88	10213.38	8774.24	6616.52	5907.52	6522.40
44	7039.76	7583.21	9182.00	10708.67	11039.33	10181.00	8696.27	6411.45	5682.23	6316.73
45	6840.01	7406.28	9053.86	10658.98	11020.69	10145.01	8607.93	6198.41	5465.95	6090.53
46	6634.57	7221.74	8920.77	10598.64	11010.32	10094.71	8513.73	5971.10	5255.37	5860.64
47	6417.15	7033.00	8786.58	10528.92	11004.11	10036.96	8419.28	5737.21	5053.82	5618.24
48	6190.14	6832.15	8650.80	10449.87	11000.65	9980.97	8326.46	5501.51	4860.76	5375.73
49	5934.92	6616.81	8514.64	10370.16	11001.98	9922.60	8223.15	5263.74	4664.10	5130.72
50	5674.21	6387.62	8386.47	10291.28	11006.06	9873.14	8109.24	5019.92	4463.89	4887.67
51	5372.77	6127.97	8261.04	10205.15	11015.36	9834.32	8003.50	4779.39	4258.70	4648.95
52	5055.54	5827.58	8140.70	10114.73	11025.49	9789.71	7896.98	4537.01	4053.39	4414.84
53	4729.37	5498.44	8032.47	10022.42	11040.28	9742.32	7786.57	4292.72	3851.56	4189.87

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54	4397.99	5121.11	7929.90	9922.32	11058.67	9706.13	7664.32	4047.40	3658.18	3967.11
55	4078.18	4721.40	7839.60	9825.13	11079.83	9673.73	7541.99	3799.82	3474.73	3756.40
56	3754.18	4302.40	7756.86	9718.84	11096.00	9640.90	7407.38	3569.44	3298.26	3548.21
57	3439.79	3897.75	7674.12	9612.45	11123.51	9613.74	7262.12	3349.56	3121.66	3342.90
58	3115.13	3508.07	7587.21	9504.93	11151.81	9590.76	7087.27	3143.84	2930.94	3134.10
59	2797.73	3130.48	7485.02	9398.52	11185.96	9576.65	6892.74	2941.16	2727.55	2922.53
60	2491.38	2780.99	7356.27	9297.13	11224.67	9569.48	6684.73	2743.00	2519.93	2701.27
61	2212.40	2457.42	7187.70	9197.05	11274.14	9577.00	6432.27	2529.71	2306.00	2476.98
62	1958.97	2166.33	6968.41	9106.24	11317.08	9593.01	6158.86	2315.78	2099.75	2258.06
63	1744.47	1920.48	6685.47	9032.33	11363.43	9636.22	5847.94	2101.91	1906.55	2047.52
64	1555.00	1704.95	6303.01	8980.46	11404.57	9703.37	5497.96	1887.57	1724.22	1851.07
65	1390.94	1517.15	5804.81	8959.11	11433.74	9779.01	5103.97	1691.79	1560.60	1668.30
66	1236.06	1343.47	5176.89	8980.26	11440.17	9862.25	4664.02	1513.47	1421.10	1502.03
67	1086.17	1180.45	4437.90	9040.11	11415.77	9949.34	4177.77	1368.10	1281.60	1362.59
68	948.38	1035.95	3700.96	9138.17	11351.90	10036.87	3654.01	1222.73	1142.11	1223.15
69	836.12	921.43	3041.07	9271.82	11235.82	10087.68	3146.61	1084.31	1024.50	1084.37
70	745.06	822.74	2525.66	9443.89	11058.29	10098.83	2692.23	951.02	929.16	958.67
71	661.63	739.07	2096.63	9646.22	10780.06	10066.20	2268.06	834.35	849.61	851.61
72	595.73	665.26	1746.33	9847.28	10363.19	9964.74	1878.65	737.31	777.91	763.00
73	530.46	597.41	1448.94	10024.04	9758.45	9767.63	1580.73	655.52	707.71	690.06
74	465.18	529.70	1167.78	10154.26	9001.83	9451.80	1282.80	581.12	646.11	617.65
75	420.25	461.99	906.75	10169.38	8091.67	8992.44	986.90	513.65	590.55	548.17
76	383.90	410.15	691.29	9885.50	7089.34	8401.87	785.86	455.65	541.77	485.30
77	348.35	363.94	565.68	9173.21	5980.73	7672.59	597.90	405.94	493.37	427.34
78	309.18	319.82	440.87	7989.38	4843.83	6689.29	450.53	361.37	442.90	374.94
79	275.57	276.86	316.06	6480.30	3791.62	5573.15	347.57	321.42	392.66	325.96
80	244.89	236.06	257.49	4962.34	2884.84	4424.06	277.82	279.92	345.59	281.39
81	214.67	200.68	211.67	3698.14	2223.36	3450.66	228.11	240.44	298.17	242.83
82	184.35	167.81	174.79	2798.77	1761.92	2654.53	189.68	206.09	252.73	207.81
83	154.67	138.18	141.47	2137.70	1489.46	2015.38	154.73	171.28	206.78	170.98
84	124.61	110.71	111.23	1614.54	1217.00	1583.48	119.93	136.46	152.20	134.16
85	94.79	85.32	83.55	1190.47	944.50	1151.58	90.47	101.52	97.84	97.21
86	65.75	60.18	59.68	856.85	668.33	722.33	63.32	53.37	73.40	48.16
87	52.68	36.83	38.30	592.01	460.07	465.97	43.39	35.89	48.95	32.20
88	39.84	13.51	16.96	337.46	251.82	349.75	23.45	18.41	24.50	16.25
89	27.01	9.25	4.77	83.07	45.79	233.54	3.76	1.16	0.39	0.51
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 : MPLSEL40HTT3HV-40000LM3K.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	11482.36	11482.36	11482.36	11482.36	11482.36	11482.36	11482.36
1	11455.80	11471.19	11486.71	11501.27	11511.32	11517.10	11517.74
2	11425.77	11458.29	11491.79	11509.70	11538.27	11546.26	11546.08
3	11393.54	11444.67	11496.35	11526.92	11561.31	11570.19	11567.46
4	11356.00	11430.28	11492.77	11542.61	11580.46	11589.81	11585.29
5	11316.70	11413.85	11497.77	11566.76	11596.53	11603.52	11597.22
6	11272.70	11399.37	11513.46	11582.39	11604.79	11613.43	11608.45
7	11225.15	11383.80	11511.21	11596.28	11615.03	11620.87	11607.65
8	11175.86	11367.25	11514.63	11608.40	11625.82	11620.30	11602.71
9	11123.72	11349.30	11527.63	11617.19	11637.43	11610.89	11592.52
10	11068.83	11329.63	11531.80	11618.54	11648.13	11608.44	11573.52
11	11012.09	11308.91	11535.32	11633.51	11649.36	11594.54	11554.81
12	10953.77	11287.45	11537.09	11642.60	11646.35	11572.78	11511.83
13	10894.08	11266.98	11541.28	11640.54	11640.19	11543.71	11465.01
14	10831.62	11246.20	11545.79	11645.88	11630.70	11506.75	11411.73
15	10771.17	11224.94	11552.81	11661.33	11616.39	11464.54	11352.38
16	10708.70	11205.98	11561.26	11668.02	11598.56	11414.74	11282.62
17	10646.24	11187.46	11559.53	11671.94	11577.27	11360.42	11205.20
18	10583.60	11169.51	11564.85	11673.23	11550.46	11299.60	11124.00
19	10521.25	11152.86	11578.91	11686.07	11520.44	11230.70	11031.63
20	10457.62	11135.23	11583.45	11683.60	11487.96	11156.04	10934.05
21	10393.47	11118.10	11588.50	11682.06	11444.81	11077.13	10836.57
22	10330.50	11098.88	11593.51	11682.92	11404.21	10988.85	10723.69
23	10266.71	11078.99	11597.49	11679.45	11370.39	10884.15	10595.51
24	10203.69	11058.50	11602.91	11684.39	11325.11	10781.14	10464.40
25	10138.34	11038.02	11609.21	11680.84	11277.85	10672.35	10325.76
26	10072.95	11016.15	11613.89	11676.87	11220.59	10558.51	10183.05
27	10006.28	10994.69	11620.89	11662.11	11166.10	10440.56	10034.48
28	9938.09	10974.26	11617.85	11656.94	11119.90	10314.04	9881.48
29	9870.42	10953.46	11624.49	11664.40	11053.27	10181.57	9727.34
30	9801.26	10933.47	11639.72	11664.26	10990.40	10045.20	9560.04
31	9731.33	10914.57	11648.72	11653.06	10921.32	9907.70	9391.23
32	9658.89	10897.70	11649.58	11654.98	10853.30	9770.81	9224.30
33	9591.46	10883.11	11658.81	11663.38	10784.98	9627.51	9055.46
34	9513.73	10868.99	11681.33	11659.23	10707.15	9478.33	8885.56
35	9434.66	10855.94	11699.40	11646.51	10624.55	9331.45	8713.61
36	9352.95	10838.42	11723.30	11632.63	10536.29	9181.00	8534.59

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM3K.IES**

**CANDELA TABULATION - (Cont.)**

37	9271.08	10816.20	11755.29	11620.42	10441.01	9029.80	8349.29
38	9186.60	10791.02	11794.55	11603.25	10345.55	8875.53	8169.76
39	9096.40	10764.86	11830.59	11586.62	10256.35	8721.79	7990.18
40	9005.90	10737.85	11869.27	11574.58	10157.82	8555.64	7806.98
41	8917.51	10715.67	11902.17	11563.74	10056.57	8395.70	7618.02
42	8827.85	10702.28	11907.87	11557.99	9955.51	8236.06	7430.16
43	8739.25	10698.13	11896.58	11557.06	9850.86	8078.58	7234.85
44	8652.39	10698.83	11887.10	11560.45	9745.51	7906.85	7039.76
45	8569.88	10707.64	11905.23	11546.36	9632.54	7738.77	6840.01
46	8472.49	10695.24	11932.34	11521.97	9521.85	7571.21	6634.57
47	8367.56	10651.00	11957.60	11472.21	9407.85	7394.43	6417.15
48	8260.41	10600.90	12001.96	11417.48	9286.97	7204.83	6190.14
49	8138.44	10566.73	12049.08	11380.92	9168.35	6998.02	5934.92
50	8009.79	10542.75	12108.02	11366.80	9064.10	6781.52	5674.21
51	7864.01	10525.76	12174.13	11343.93	8952.60	6527.14	5372.77
52	7704.17	10514.62	12244.93	11322.57	8847.28	6248.19	5055.54
53	7530.02	10509.80	12334.08	11295.48	8750.91	5936.68	4729.37
54	7327.90	10506.56	12420.13	11279.44	8660.02	5571.59	4397.99
55	7110.26	10506.92	12514.22	11272.34	8584.17	5168.29	4078.18
56	6860.68	10515.29	12609.20	11258.05	8517.96	4737.63	3754.18
57	6587.33	10528.79	12711.34	11239.96	8468.99	4290.79	3439.79
58	6270.34	10550.08	12819.35	11234.86	8435.13	3859.92	3115.13
59	5922.04	10583.10	12926.89	11227.90	8404.23	3453.46	2797.73
60	5548.27	10626.53	13033.78	11218.36	8390.42	3074.84	2491.38
61	5132.71	10681.55	13126.70	11216.13	8369.50	2718.71	2212.40
62	4709.55	10753.50	13219.16	11223.73	8322.47	2387.49	1958.97
63	4262.36	10834.97	13311.62	11226.13	8256.55	2092.08	1744.47
64	3827.73	10943.94	13391.13	11238.63	8160.66	1836.68	1555.00
65	3392.78	11070.63	13459.63	11265.26	8010.57	1612.96	1390.94
66	2972.03	11234.45	13503.03	11290.40	7753.41	1421.59	1236.06
67	2546.63	11411.09	13507.68	11313.92	7312.06	1256.74	1086.17
68	2139.44	11598.15	13465.99	11315.81	6682.44	1113.49	948.38
69	1779.29	11759.50	13382.79	11276.47	5894.09	982.01	836.12
70	1540.25	11852.31	13198.14	11203.09	5021.66	867.07	745.06
71	1301.22	11861.05	12917.35	11085.57	4191.77	766.43	661.63
72	1063.35	11766.87	12476.64	10927.39	3505.69	676.95	595.73
73	875.09	11503.37	11864.00	10709.70	2932.85	603.89	530.46
74	716.91	11013.15	11054.73	10406.52	2424.10	531.21	465.18
75	579.47	10347.88	10109.09	10063.25	1952.34	458.54	420.25
76	477.05	9515.00	8968.43	9704.00	1529.78	404.08	383.90
77	403.18	8376.05	7621.63	9299.53	1135.05	354.28	348.35
78	340.37	6925.50	6236.61	8649.71	787.24	308.68	309.18
79	285.26	5410.09	4973.49	7724.62	615.16	265.51	275.57
80	238.43	4010.66	3710.39	6565.70	447.52	225.06	244.89
81	199.46	2941.84	2832.99	5305.47	279.89	188.34	214.67
82	167.67	2115.53	2198.11	4191.74	213.57	155.01	184.35
83	135.88	1569.48	1766.51	3273.43	165.38	126.64	154.67
84	104.21	1027.88	1426.86	2500.78	126.91	99.68	124.61
85	78.23	674.18	1099.40	1846.84	93.91	75.04	94.79
86	52.52	433.25	752.59	1276.29	64.72	53.48	65.75
87	35.64	297.18	565.25	818.90	52.17	31.94	52.68
88	18.75	161.11	380.75	431.10	39.91	10.41	39.84
89	2.04	26.22	196.25	44.68	27.65	7.17	27.01
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**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM3K.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 : MPLSEL40HTT3HV-40000LM3K.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 : MPLSEL40HTT3HV-40000LM3K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4235.87	N.A.	10.70
0-30	9124.16	N.A.	23.00
0-40	15280.6	N.A.	38.50
0-60	28871.38	N.A.	72.80
0-80	38984.56	N.A.	98.30
0-90	39657.59	N.A.	100.00
10-90	38569.44	N.A.	97.30
20-40	11044.73	N.A.	27.90
20-50	17873.03	N.A.	45.10
40-70	19614.17	N.A.	49.50
60-80	10113.18	N.A.	25.50
70-80	4089.79	N.A.	10.30
80-90	673.03	N.A.	1.70
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	39657.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1088.15
10-20	3147.72
20-30	4888.29
30-40	6156.43
40-50	6828.3
50-60	6762.48
60-70	6023.39
70-80	4089.79
80-90	673.03
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 : MPLSEL40HTT3HV-40000LM3K.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	108	103	98	94	105	100	96	92	96	92	89	92	89	87	88	86	84	82
2	97	88	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	59	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	37	49	42	36	47	41	36	34
7	62	48	39	32	60	47	39	32	46	38	32	44	37	32	43	36	32	29
8	58	44	35	29	56	43	35	29	42	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	30	25	23
10	51	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

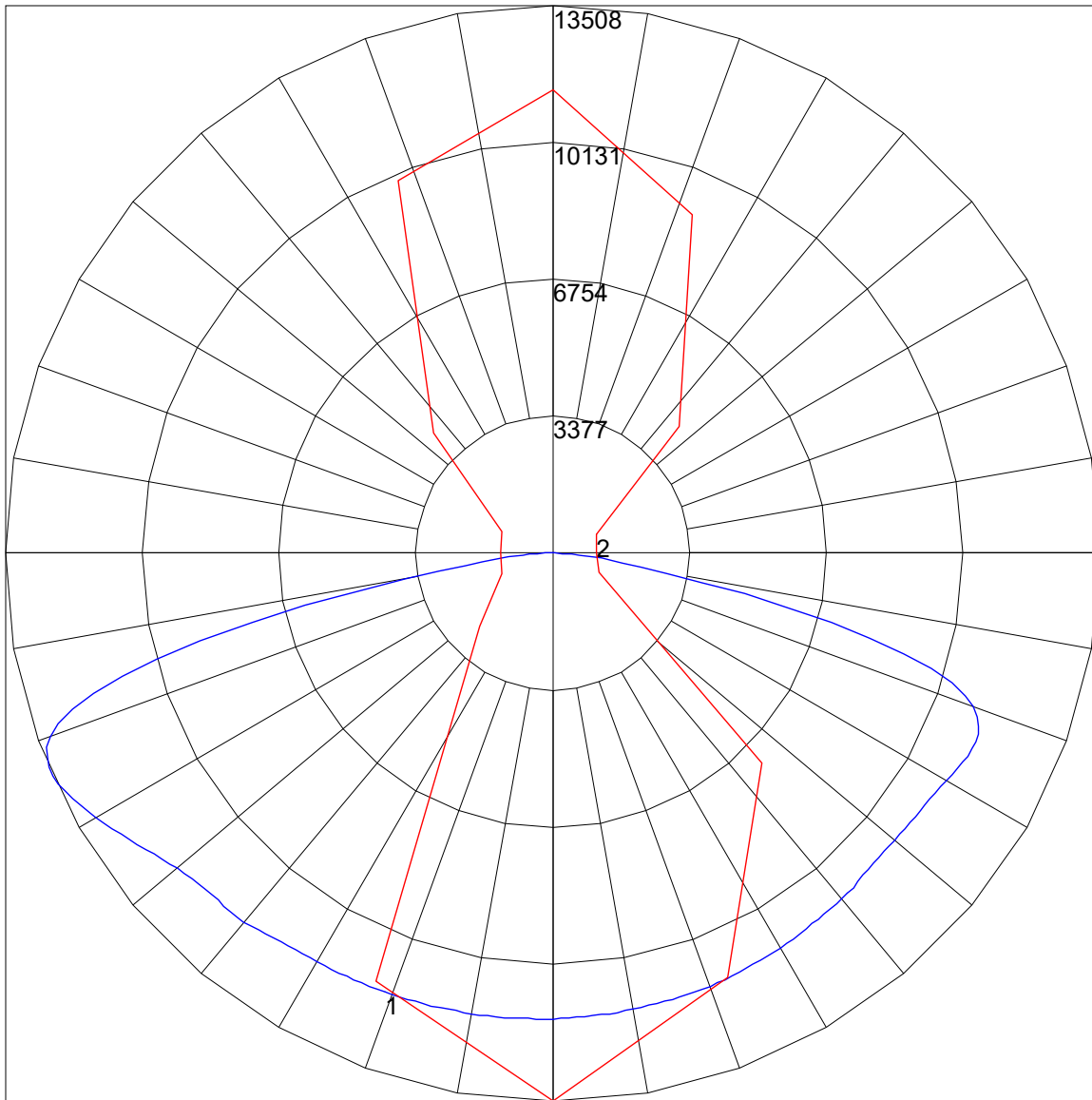
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM3K.IES**

**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	25.5	27.2	25.8	27.5	27.8	32.3	34.0	32.6	34.3	34.6
	3H	25.7	27.3	26.1	27.6	28.0	36.1	37.7	36.5	38.0	38.4
	4H	25.8	27.3	26.2	27.6	28.0	37.7	39.2	38.1	39.6	39.9
	6H	25.8	27.2	26.2	27.6	28.0	38.4	39.8	38.8	40.1	40.5
	8H	25.8	27.2	26.3	27.5	27.9	38.5	39.8	38.9	40.2	40.6
	12H	25.8	27.1	26.3	27.5	27.9	38.5	39.8	38.9	40.2	40.6
4H	2H	28.8	30.2	29.2	30.6	31.0	32.6	34.0	33.0	34.4	34.8
	3H	29.1	30.3	29.5	30.7	31.1	36.7	38.0	37.1	38.3	38.7
	4H	29.1	30.2	29.5	30.6	31.1	38.8	40.0	39.3	40.4	40.8
	6H	29.1	30.1	29.5	30.5	31.0	39.7	40.8	40.2	41.2	41.6
	8H	29.1	30.0	29.6	30.5	30.9	39.9	40.8	40.3	41.2	41.7
	12H	29.1	29.9	29.6	30.4	30.9	39.9	40.8	40.4	41.2	41.7
8H	4H	31.0	31.9	31.4	32.3	32.8	38.8	39.8	39.3	40.2	40.7
	6H	31.0	31.7	31.5	32.2	32.7	39.9	40.7	40.4	41.2	41.6
	8H	30.9	31.6	31.4	32.1	32.6	40.1	40.8	40.6	41.3	41.8
	12H	31.0	31.6	31.5	32.0	32.6	40.2	40.8	40.7	41.3	41.9
12H	4H	31.6	32.5	32.1	33.0	33.4	38.8	39.6	39.3	40.1	40.6
	6H	31.6	32.3	32.1	32.8	33.3	39.9	40.6	40.4	41.0	41.6
	8H	31.6	32.2	32.1	32.7	33.3	40.1	40.7	40.6	41.2	41.7

Maximum UGR = 41.9

POLAR GRAPH



Maximum Candela = 13507.68 Located At Horizontal Angle = 270, Vertical Angle = 67  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)