

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5-40000LM3K.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 15:48:15
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT5-40000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	40377
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	303.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.54
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.56
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	187413	172145	151737
55	199829	176173	158642
65	161747	162153	161703
75	55104	60352	77598
85	12964	14796	13214

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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	11981.63	11981.63	11981.63	11981.63	11981.63	11981.63	11981.63	11981.63	11981.63	11981.63
1	12028.88	12021.30	12006.21	11988.16	11968.05	11950.34	11938.24	11931.61	11932.79	11941.43
2	12076.05	12059.86	12029.78	11992.67	11952.16	11917.93	11893.67	11881.64	11884.53	11901.56
3	12121.79	12097.05	12050.57	11994.43	11933.82	11884.74	11849.09	11832.27	11835.82	11861.13
4	12167.47	12133.70	12070.58	11995.79	11914.84	11849.93	11803.47	11782.85	11788.03	11820.83
5	12210.23	12167.66	12089.05	11994.28	11894.24	11814.25	11757.72	11734.26	11740.73	11781.33
6	12252.58	12199.79	12104.20	11991.05	11872.22	11777.78	11712.40	11685.34	11696.22	11743.06
7	12294.24	12232.82	12118.26	11985.97	11848.19	11740.24	11668.29	11637.90	11652.22	11703.39
8	12333.80	12262.41	12129.92	11978.90	11822.57	11703.41	11623.11	11590.77	11608.29	11666.29
9	12372.58	12290.37	12139.56	11968.52	11794.85	11664.51	11578.70	11545.17	11565.51	11627.77
10	12411.35	12316.75	12147.19	11957.18	11766.37	11625.56	11534.84	11498.47	11522.52	11589.53
11	12447.86	12340.39	12152.32	11941.93	11735.39	11586.06	11490.93	11452.80	11481.30	11550.97
12	12482.62	12362.15	12156.06	11926.25	11701.29	11545.28	11446.05	11407.05	11438.54	11512.28
13	12515.41	12380.95	12156.81	11907.52	11664.90	11501.90	11401.20	11361.73	11397.23	11473.95
14	12545.86	12398.13	12155.30	11885.76	11625.30	11455.49	11353.99	11314.14	11355.63	11434.99
15	12571.65	12412.44	12149.43	11859.52	11584.01	11407.75	11305.37	11268.08	11315.33	11396.51
16	12594.94	12422.93	12140.97	11830.06	11539.40	11357.37	11254.76	11221.90	11273.15	11357.87
17	12614.85	12430.01	12128.66	11798.16	11490.69	11304.17	11202.69	11175.07	11231.76	11319.95
18	12630.44	12432.58	12112.70	11760.86	11440.49	11248.99	11150.28	11125.66	11191.35	11280.29
19	12642.51	12429.63	12091.15	11720.94	11386.64	11189.11	11094.16	11076.22	11148.38	11240.40
20	12648.81	12422.45	12063.51	11674.50	11329.71	11126.07	11035.80	11025.60	11106.14	11199.55
21	12648.47	12409.58	12030.43	11624.98	11270.92	11061.73	10972.57	10972.05	11061.16	11157.67
22	12641.08	12387.21	11988.83	11571.44	11207.76	10992.78	10906.60	10914.56	11015.89	11115.62
23	12628.62	12357.69	11941.61	11511.35	11141.80	10922.20	10836.93	10855.11	10968.58	11071.03
24	12608.01	12324.03	11889.63	11448.39	11071.89	10847.98	10765.91	10792.90	10919.10	11025.54
25	12578.79	12284.04	11833.86	11380.48	11000.86	10773.61	10696.34	10729.14	10869.08	10977.41
26	12544.02	12241.65	11777.83	11311.02	10922.87	10694.95	10625.25	10660.57	10813.25	10922.85
27	12500.84	12193.51	11718.45	11237.71	10844.80	10618.12	10556.13	10595.11	10757.90	10869.00
28	12454.73	12145.35	11657.16	11162.41	10763.36	10538.71	10486.26	10526.95	10700.01	10812.01
29	12405.29	12091.77	11592.39	11084.33	10676.47	10458.02	10417.54	10460.59	10639.46	10755.06
30	12352.54	12037.46	11525.04	11003.50	10590.02	10377.96	10348.83	10392.31	10577.81	10698.44
31	12299.03	11982.39	11455.67	10918.94	10498.89	10296.55	10279.98	10326.77	10518.10	10637.74
32	12242.51	11924.23	11384.82	10830.81	10406.63	10213.32	10209.14	10260.32	10459.79	10572.14
33	12180.74	11864.84	11313.65	10741.60	10311.17	10127.17	10137.02	10198.15	10398.93	10505.33
34	12114.22	11800.50	11239.15	10649.89	10212.31	10040.48	10061.29	10133.19	10334.21	10442.12
35	12044.83	11732.60	11167.24	10559.39	10112.63	9950.90	9983.77	10067.49	10268.91	10377.87
36	11971.23	11656.63	11090.42	10464.40	10011.71	9858.90	9903.79	9997.72	10201.95	10310.76
37	11895.93	11580.40	11016.15	10369.48	9909.10	9765.10	9820.90	9928.04	10133.59	10245.46
38	11816.01	11498.74	10933.22	10271.94	9805.71	9667.59	9735.58	9853.52	10062.54	10180.81
39	11730.75	11410.01	10846.34	10170.98	9700.40	9569.24	9646.86	9780.02	9990.12	10114.17
40	11643.76	11321.99	10755.81	10069.90	9592.80	9468.55	9555.41	9700.60	9915.97	10045.09
41	11549.69	11228.25	10658.82	9962.79	9482.59	9366.87	9464.82	9623.18	9840.96	9974.41
42	11452.72	11132.45	10559.40	9859.00	9370.17	9259.19	9370.06	9540.23	9760.75	9902.62
43	11349.00	11030.83	10454.13	9749.22	9252.15	9149.65	9275.97	9456.63	9676.45	9828.86
44	11243.39	10925.67	10345.69	9639.82	9136.61	9040.42	9176.59	9368.92	9587.96	9752.95
45	11136.47	10819.67	10229.23	9526.81	9016.54	8923.74	9074.83	9278.50	9494.27	9671.40
46	11024.58	10704.20	10105.07	9409.43	8897.72	8808.93	8972.12	9184.04	9397.72	9589.50
47	10910.70	10586.73	9971.86	9286.61	8773.37	8687.96	8863.12	9085.71	9295.47	9504.39
48	10792.14	10458.49	9829.04	9156.28	8647.09	8566.11	8749.52	8984.72	9185.97	9415.99
49	10670.55	10324.24	9672.04	9018.58	8518.57	8438.18	8631.22	8876.50	9070.43	9321.49
50	10544.07	10185.70	9510.43	8878.35	8388.64	8307.07	8505.62	8766.53	8949.55	9222.70
51	10403.76	10031.38	9331.83	8721.83	8252.70	8173.21	8374.04	8647.88	8817.79	9116.71
52	10248.23	9867.64	9143.47	8560.60	8111.65	8033.46	8232.02	8521.36	8669.49	9002.25
53	10070.76	9693.37	8939.18	8388.11	7962.75	7893.22	8082.66	8384.31	8510.71	8876.91

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CANDELA TABULATION - (Cont.)

54	9870.88	9495.37	8723.67	8207.96	7808.94	7745.93	7918.97	8224.14	8331.96	8733.49
55	9631.94	9268.61	8491.71	8017.07	7646.70	7588.19	7746.05	8046.76	8149.85	8573.33
56	9361.32	9007.49	8251.65	7815.70	7483.70	7426.33	7560.99	7850.09	7965.77	8394.87
57	9065.87	8704.91	8000.48	7613.60	7316.14	7255.32	7365.83	7633.14	7797.23	8201.68
58	8742.38	8373.38	7735.77	7400.17	7141.82	7078.11	7154.20	7402.52	7646.43	8005.04
59	8404.15	8006.31	7468.74	7180.98	6963.62	6896.92	6928.11	7162.16	7513.09	7811.62
60	8048.67	7623.43	7189.86	6950.28	6773.45	6711.73	6691.51	6925.04	7392.60	7619.98
61	7669.17	7230.85	6909.44	6712.75	6580.00	6520.49	6441.59	6686.37	7266.97	7429.88
62	7255.02	6835.43	6625.05	6463.30	6380.85	6315.00	6178.13	6455.13	7132.41	7229.91
63	6803.10	6452.11	6343.64	6203.56	6178.45	6110.84	5912.94	6229.01	6956.25	7011.83
64	6298.34	6058.69	6054.86	5944.82	5970.78	5893.19	5640.13	5985.05	6727.85	6758.59
65	5744.46	5646.69	5758.85	5685.63	5742.89	5668.22	5368.08	5716.92	6431.30	6471.24
66	5177.37	5215.91	5468.09	5427.65	5475.31	5431.85	5109.03	5436.45	6073.48	6139.33
67	4618.39	4762.82	5157.78	5165.50	5161.47	5176.78	4870.33	5131.14	5664.61	5765.38
68	4107.67	4296.87	4835.35	4880.97	4798.79	4888.32	4647.55	4819.38	5211.94	5367.51
69	3655.27	3823.93	4466.31	4547.63	4384.56	4553.41	4447.04	4489.71	4723.04	4967.67
70	3231.80	3342.93	4029.78	4170.51	3932.91	4173.14	4231.74	4139.80	4210.68	4566.55
71	2802.34	2849.56	3491.97	3733.83	3444.40	3749.71	3970.60	3760.09	3676.85	4149.00
72	2360.46	2359.03	2899.84	3226.13	2952.50	3300.42	3627.51	3326.02	3141.59	3679.60
73	1927.21	1906.14	2307.97	2686.76	2460.98	2809.19	3154.13	2830.88	2621.10	3151.78
74	1532.74	1501.47	1757.02	2134.53	2017.53	2292.05	2574.13	2308.67	2131.98	2580.10
75	1198.51	1189.12	1312.65	1637.10	1687.76	1802.63	2021.92	1871.60	1774.06	1989.50
76	962.67	942.69	965.70	1270.15	1429.85	1464.93	1469.72	1434.53	1416.14	1605.62
77	767.34	764.44	715.06	1000.50	1171.94	1128.85	920.97	1001.32	1060.71	1221.75
78	611.68	617.37	586.57	774.94	913.70	894.55	632.62	746.14	835.13	842.78
79	456.15	478.99	458.46	632.13	644.03	708.01	471.31	574.01	612.68	622.46
80	300.62	340.63	330.35	489.55	398.65	546.24	373.89	436.01	404.75	432.52
81	238.73	256.83	272.30	346.98	262.03	419.43	302.07	319.19	282.72	306.23
82	195.06	206.28	230.29	268.84	200.61	336.70	250.85	253.73	214.87	234.77
83	157.91	165.91	189.25	208.29	165.95	275.90	214.95	206.37	169.95	187.77
84	131.00	125.01	147.62	157.85	131.29	219.53	177.81	157.22	125.03	140.77
85	94.95	89.38	108.37	110.77	96.78	162.24	140.67	108.08	80.29	93.94
86	60.95	63.32	72.01	76.26	70.28	105.05	103.64	59.56	53.67	70.57
87	35.18	37.44	41.61	53.30	47.22	58.38	77.77	39.91	27.05	47.20
88	9.63	11.55	18.54	30.63	31.83	39.08	51.89	20.26	0.71	23.82
89	7.16	8.44	10.58	7.97	16.44	19.78	26.01	0.98	0.72	0.83
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 : MPLSEL40HTT5-40000LM3K.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	11981.63	11981.63	11981.63	11981.63	11981.63	11981.63	11981.63
1	11955.41	11973.39	11994.22	12011.16	12023.55	12030.73	12028.88
2	11928.97	11964.14	12003.86	12038.14	12063.86	12077.75	12076.05
3	11901.71	11953.26	12011.41	12063.55	12102.00	12123.01	12121.79
4	11873.16	11940.17	12017.49	12085.69	12138.07	12167.79	12167.47
5	11843.95	11923.95	12019.52	12103.05	12170.13	12209.66	12210.23
6	11814.34	11906.16	12018.05	12118.81	12200.37	12249.84	12252.58
7	11784.57	11886.81	12012.37	12129.82	12229.54	12288.40	12294.24
8	11753.86	11864.71	12003.37	12138.47	12255.02	12327.02	12333.80
9	11721.75	11840.46	11993.18	12145.37	12278.70	12363.74	12372.58
10	11690.04	11814.25	11980.78	12151.26	12300.99	12400.64	12411.35
11	11657.30	11788.28	11967.00	12154.82	12320.63	12435.16	12447.86
12	11624.41	11760.33	11951.99	12156.19	12338.58	12464.45	12482.62
13	11591.33	11733.88	11937.35	12156.87	12354.47	12491.24	12515.41
14	11559.45	11706.62	11921.28	12154.08	12366.76	12514.97	12545.86
15	11526.65	11679.03	11902.50	12148.00	12376.86	12537.63	12571.65
16	11493.78	11649.46	11882.73	12139.31	12383.26	12556.20	12594.94
17	11460.92	11617.79	11859.18	12126.60	12386.36	12570.88	12614.85
18	11427.47	11584.67	11833.77	12111.30	12386.87	12583.53	12630.44
19	11392.69	11549.24	11804.10	12092.21	12383.88	12590.95	12642.51
20	11356.12	11513.03	11773.27	12069.64	12377.17	12597.13	12648.81
21	11318.36	11476.92	11739.65	12043.47	12365.65	12597.89	12648.47
22	11277.78	11439.91	11704.94	12015.35	12348.25	12592.26	12641.08
23	11235.70	11401.52	11665.88	11983.98	12323.35	12581.71	12628.62
24	11187.98	11361.21	11625.47	11948.18	12294.26	12564.64	12608.01
25	11135.75	11318.23	11581.41	11908.67	12259.81	12540.73	12578.79
26	11079.16	11269.89	11534.62	11865.05	12219.14	12509.50	12544.02
27	11023.04	11220.01	11487.04	11817.57	12173.28	12473.52	12500.84
28	10963.06	11167.36	11437.87	11763.94	12123.74	12432.39	12454.73
29	10903.12	11115.66	11387.88	11707.21	12069.87	12384.74	12405.29
30	10840.90	11060.73	11337.93	11650.01	12016.62	12332.63	12352.54
31	10771.80	11000.51	11289.81	11587.31	11960.28	12278.59	12299.03
32	10700.80	10936.96	11232.44	11524.07	11904.58	12223.70	12242.51
33	10633.26	10874.31	11162.15	11455.65	11843.89	12166.44	12180.74
34	10566.07	10808.26	11081.10	11379.20	11783.22	12104.00	12114.22
35	10497.77	10733.83	10996.08	11296.54	11719.34	12040.56	12044.83
36	10432.68	10650.43	10912.35	11211.91	11652.87	11973.57	11971.23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5-40000LM3K.IES

CANDELA TABULATION - (Cont.)

37	10367.91	10565.77	10829.50	11127.92	11583.81	11902.90	11895.93
38	10300.30	10483.98	10742.94	11041.89	11512.97	11826.44	11816.01
39	10226.77	10400.99	10653.08	10955.30	11436.76	11745.35	11730.75
40	10150.12	10317.19	10562.12	10867.32	11356.99	11662.39	11643.76
41	10072.30	10231.42	10466.58	10777.84	11272.82	11572.28	11549.69
42	9992.35	10144.05	10368.36	10683.53	11184.92	11478.49	11452.72
43	9913.78	10052.44	10265.95	10585.98	11094.14	11380.84	11349.00
44	9836.79	9961.11	10161.29	10485.86	10998.06	11277.49	11243.39
45	9755.72	9862.77	10056.44	10381.32	10896.71	11171.16	11136.47
46	9675.53	9764.52	9946.10	10269.49	10787.46	11053.97	11024.58
47	9591.56	9658.28	9834.47	10152.35	10670.73	10934.90	10910.70
48	9506.29	9553.15	9717.80	10026.49	10545.62	10806.33	10792.14
49	9416.37	9443.62	9596.23	9896.38	10411.20	10671.89	10670.55
50	9323.72	9332.19	9476.72	9763.12	10272.75	10532.63	10544.07
51	9227.95	9215.45	9345.96	9619.45	10118.45	10379.06	10403.76
52	9126.44	9091.01	9209.06	9467.70	9957.24	10221.39	10248.23
53	9020.31	8961.48	9069.44	9307.01	9783.16	10049.13	10070.76
54	8907.14	8823.27	8921.33	9136.20	9599.05	9858.82	9870.88
55	8777.66	8677.57	8769.22	8964.38	9401.70	9643.62	9631.94
56	8634.91	8529.93	8605.68	8785.50	9193.99	9403.30	9361.32
57	8474.34	8380.52	8440.11	8606.17	8972.69	9134.02	9065.87
58	8296.23	8224.42	8270.76	8417.38	8733.44	8828.20	8742.38
59	8095.14	8061.45	8094.58	8221.67	8482.03	8496.59	8404.15
60	7869.61	7888.68	7917.72	8018.19	8212.29	8137.81	8048.67
61	7609.42	7704.80	7733.10	7802.19	7933.87	7778.10	7669.17
62	7312.45	7499.34	7542.22	7564.17	7628.02	7406.06	7255.02
63	6992.31	7280.60	7354.69	7322.55	7313.94	7040.27	6803.10
64	6650.93	7030.08	7164.40	7064.28	6984.57	6668.24	6298.34
65	6296.13	6770.19	6977.71	6795.78	6645.67	6274.13	5744.46
66	5946.81	6484.47	6788.15	6527.28	6303.93	5855.30	5177.37
67	5621.75	6208.79	6581.72	6246.54	5959.87	5404.55	4618.39
68	5322.02	5919.11	6343.00	5948.33	5642.62	4934.33	4107.67
69	5048.71	5615.58	6071.56	5634.92	5352.78	4467.71	3655.27
70	4818.97	5307.86	5755.18	5312.65	5062.39	3992.83	3231.80
71	4594.68	4983.40	5379.66	4974.29	4730.24	3499.15	2802.34
72	4354.88	4656.72	4961.88	4624.91	4305.09	2983.71	2360.46
73	4006.20	4277.17	4436.40	4248.72	3750.00	2465.45	1927.21
74	3491.23	3819.73	3790.39	3785.26	3056.08	1947.77	1532.74
75	2794.22	3224.11	3060.22	3158.55	2311.71	1511.01	1198.51
76	2156.00	2510.71	2451.32	2445.91	1632.65	1155.02	962.67
77	1517.79	1984.40	2000.81	1785.02	1112.15	899.39	767.34
78	889.30	1458.09	1631.19	1324.95	788.09	715.91	611.68
79	575.47	939.90	1216.65	993.93	638.59	572.58	456.15
80	417.47	659.98	722.61	715.68	489.60	429.48	300.62
81	313.11	437.88	540.02	553.71	340.61	286.38	238.73
82	234.62	311.69	368.01	395.63	251.26	222.72	195.06
83	194.53	236.22	196.00	237.54	194.05	175.31	157.91
84	154.43	190.49	141.27	172.37	154.90	134.24	131.00
85	114.35	144.75	104.99	118.41	117.87	95.41	94.95
86	76.96	99.22	76.45	78.41	77.67	57.41	60.95
87	51.56	74.41	52.34	53.37	62.08	33.52	35.18
88	26.16	49.61	28.33	28.71	47.20	10.00	9.63
89	1.16	24.80	4.33	4.05	32.33	7.34	7.16
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 : MPLSEL40HTT5-40000LM3K.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 : MPLSEL40HTT5-40000LM3K.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 : MPLSEL40HTT5-40000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4491.23	N.A.	11.10
0-30	9796.49	N.A.	24.30
0-40	16594.23	N.A.	41.10
0-60	31918.24	N.A.	79.10
0-80	40218.01	N.A.	99.60
0-90	40377.04	N.A.	100.00
10-90	39236.32	N.A.	97.20
20-40	12103.00	N.A.	30.00
20-50	19787.96	N.A.	49.00
40-70	21320.59	N.A.	52.80
60-80	8299.77	N.A.	20.60
70-80	2303.19	N.A.	5.70
80-90	159.02	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	40377.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1140.72
10-20	3350.51
20-30	5305.26
30-40	6797.74
40-50	7684.96
50-60	7639.05
60-70	5996.58
70-80	2303.19
80-90	159.02
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 : MPLSEL40HTT5-40000LM3K.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	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	87	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5-40000LM3K.IES

UGR TABLE - CORRECTED

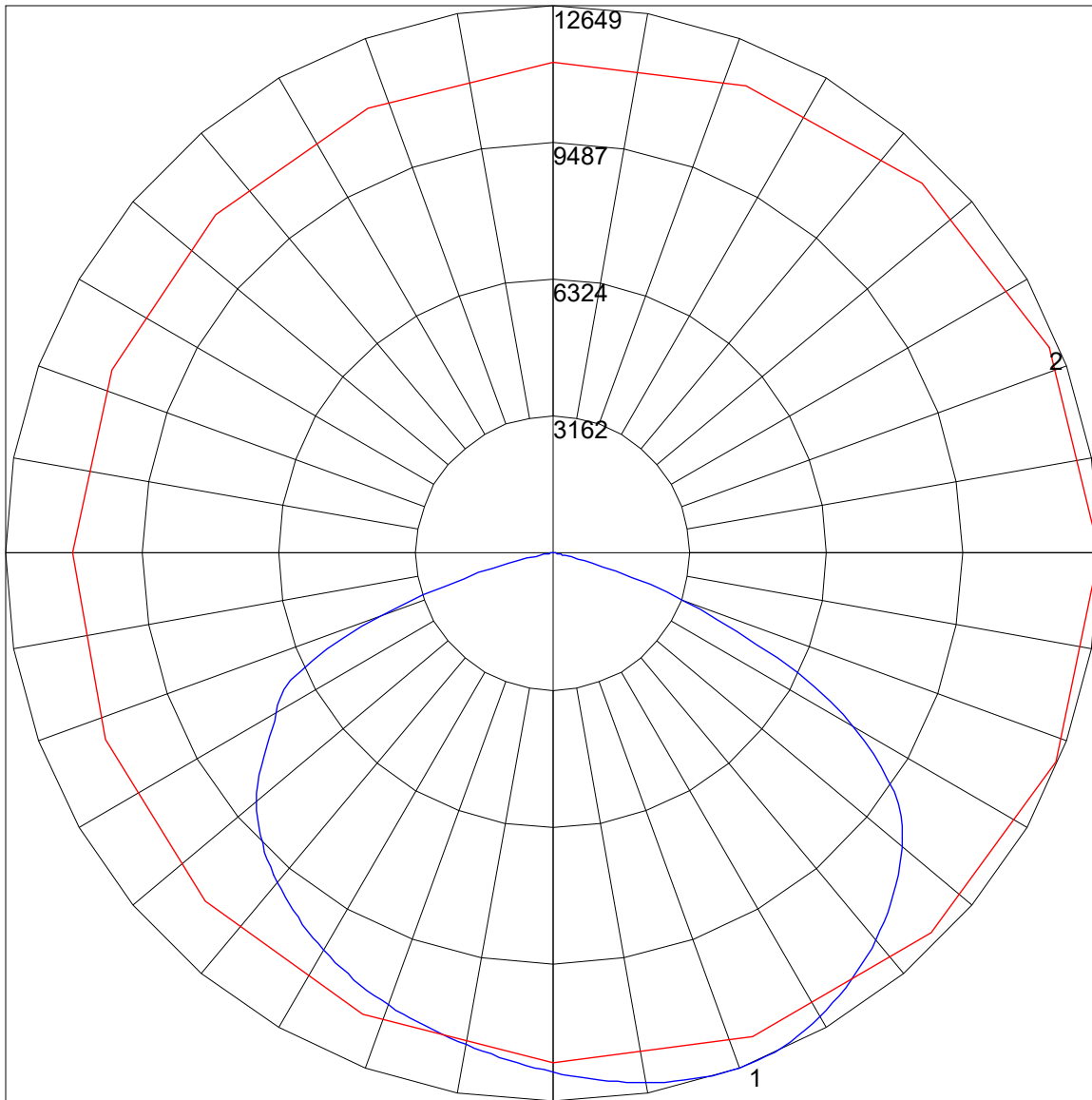
Reflectances

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	31.4	33.1	31.8	33.4	33.7	30.2	31.9	30.5	32.2	32.5
	3H	32.5	34.1	32.9	34.4	34.7	32.0	33.6	32.4	33.9	34.2
	4H	32.6	34.1	33.0	34.4	34.8	32.3	33.7	32.7	34.1	34.5
	6H	32.6	34.0	33.0	34.3	34.7	32.3	33.7	32.8	34.0	34.4
	8H	32.6	33.9	33.0	34.3	34.7	32.3	33.6	32.7	34.0	34.4
	12H	32.6	33.8	33.0	34.2	34.6	32.3	33.5	32.7	33.9	34.3
4H	2H	32.0	33.4	32.4	33.8	34.2	30.9	32.3	31.3	32.6	33.0
	3H	33.3	34.5	33.7	34.9	35.3	32.9	34.1	33.3	34.5	34.9
	4H	33.4	34.5	33.9	34.9	35.4	33.2	34.3	33.6	34.7	35.1
	6H	33.5	34.4	33.9	34.8	35.3	33.3	34.2	33.7	34.6	35.1
	8H	33.4	34.3	33.9	34.7	35.2	33.2	34.1	33.7	34.5	35.0
	12H	33.4	34.2	33.9	34.7	35.1	33.2	34.0	33.7	34.5	34.9
8H	4H	33.6	34.4	34.0	34.9	35.4	33.3	34.1	33.7	34.6	35.0
	6H	33.6	34.3	34.1	34.8	35.3	33.3	34.0	33.8	34.5	35.0
	8H	33.6	34.2	34.1	34.7	35.2	33.3	34.0	33.8	34.5	34.9
	12H	33.5	34.1	34.1	34.6	35.2	33.3	33.9	33.8	34.4	34.9
12H	4H	33.6	34.3	34.1	34.8	35.3	33.3	34.0	33.7	34.5	35.0
	6H	33.6	34.2	34.1	34.7	35.2	33.3	34.0	33.8	34.4	35.0
	8H	33.6	34.1	34.1	34.6	35.2	33.3	33.9	33.8	34.4	34.9

Maximum UGR = 35.4

POLAR GRAPH



Maximum Candela = 12648.81 Located At Horizontal Angle = 0, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)