

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50024E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-10-29
[ISSUE DATE] 2022-11-23 21:25:20
[LAMP POSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT5HV-40000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	41284
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	297.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.44
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	184503	176808	166358
55	195663	184739	175543
65	164292	163596	171328
75	54113	47329	76405
85	9679	11708	12608

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM4K.IES

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	11426.88	11426.88	11426.88	11426.88	11426.88	11426.88	11426.88	11426.88	11426.88	11426.88
1	11469.11	11465.58	11456.82	11443.35	11426.88	11410.96	11398.19	11388.09	11384.03	11386.02
2	11512.41	11505.64	11486.71	11460.11	11427.33	11395.51	11367.94	11347.45	11339.19	11344.69
3	11555.91	11544.88	11516.30	11476.39	11427.75	11380.05	11337.22	11306.53	11294.87	11302.81
4	11598.89	11582.74	11545.92	11493.39	11428.19	11363.07	11306.08	11264.37	11249.80	11261.49
5	11643.20	11621.49	11573.85	11509.47	11428.60	11346.45	11274.12	11223.12	11204.99	11220.12
6	11687.27	11659.40	11601.06	11524.74	11428.18	11329.71	11241.70	11182.94	11162.55	11179.61
7	11731.96	11698.17	11627.38	11538.61	11427.93	11312.29	11209.54	11143.31	11121.37	11139.99
8	11775.48	11736.44	11652.41	11552.04	11425.68	11292.69	11176.17	11104.37	11081.38	11102.28
9	11820.07	11774.05	11677.12	11563.15	11422.24	11272.63	11145.45	11066.66	11041.19	11063.65
10	11862.75	11808.96	11698.10	11573.07	11418.41	11252.83	11116.83	11029.47	11001.22	11028.75
11	11903.61	11843.11	11716.99	11581.78	11413.56	11234.76	11090.24	10997.08	10961.58	10993.89
12	11943.51	11875.19	11735.26	11589.19	11406.93	11218.46	11066.28	10964.25	10923.92	10959.75
13	11981.67	11903.80	11751.51	11592.96	11398.88	11201.57	11043.25	10934.23	10886.75	10926.29
14	12017.31	11930.92	11765.14	11594.89	11389.65	11185.91	11019.88	10904.49	10848.81	10891.68
15	12049.90	11954.55	11776.90	11594.94	11378.78	11167.87	10993.90	10874.32	10811.99	10858.61
16	12080.11	11974.08	11784.00	11591.69	11365.94	11149.49	10967.49	10844.30	10777.51	10824.68
17	12105.98	11989.40	11788.50	11585.73	11352.42	11130.50	10940.63	10811.32	10742.22	10789.92
18	12127.78	11999.90	11786.66	11576.39	11338.84	11109.20	10912.89	10778.39	10708.61	10755.64
19	12144.83	12006.10	11779.91	11563.48	11323.26	11087.82	10885.09	10743.54	10672.83	10719.22
20	12154.75	12006.78	11768.69	11548.14	11307.27	11064.22	10854.49	10707.11	10638.27	10683.81
21	12159.45	12000.96	11752.82	11529.88	11287.64	11038.81	10821.81	10667.90	10601.92	10647.46
22	12157.28	11989.41	11733.75	11509.98	11266.41	11011.01	10786.06	10627.65	10563.46	10609.46
23	12146.89	11970.23	11709.70	11485.51	11242.30	10982.73	10750.59	10584.43	10524.10	10571.43
24	12130.81	11947.30	11684.11	11457.97	11215.81	10949.60	10710.07	10537.75	10480.90	10534.39
25	12111.26	11920.26	11655.11	11428.04	11187.69	10916.56	10667.97	10489.00	10435.43	10496.36
26	12085.69	11891.93	11625.51	11396.52	11155.01	10882.36	10624.00	10438.00	10387.35	10454.03
27	12057.07	11861.10	11593.15	11360.70	11118.78	10845.71	10579.47	10388.20	10336.12	10409.57
28	12026.19	11825.88	11559.02	11321.75	11080.55	10808.55	10536.31	10337.41	10283.04	10361.21
29	11995.06	11789.64	11521.92	11281.87	11037.90	10768.82	10493.35	10286.16	10231.75	10313.16
30	11962.50	11750.91	11483.27	11238.70	10991.08	10726.43	10451.87	10235.99	10179.18	10261.91
31	11929.75	11709.86	11441.51	11192.94	10941.32	10682.96	10410.83	10184.50	10127.29	10210.84
32	11894.76	11667.45	11397.83	11143.93	10887.36	10637.84	10366.48	10134.45	10081.10	10162.12
33	11855.20	11621.96	11350.90	11092.19	10832.24	10590.35	10321.75	10085.22	10036.85	10115.64
34	11808.96	11573.47	11300.72	11035.14	10771.17	10538.91	10272.75	10037.18	9994.65	10068.62
35	11757.08	11524.11	11248.60	10975.32	10710.47	10485.33	10223.72	9987.60	9952.45	10023.42
36	11703.24	11470.23	11193.88	10912.93	10644.05	10430.14	10171.93	9936.73	9909.82	9976.95
37	11642.98	11413.09	11136.69	10847.71	10574.06	10369.91	10117.23	9885.94	9868.02	9927.93
38	11575.91	11349.38	11074.61	10779.22	10499.79	10306.88	10059.77	9833.39	9821.29	9878.77
39	11504.41	11281.79	11009.11	10705.78	10424.19	10240.20	10001.38	9781.41	9774.39	9829.84
40	11427.42	11211.12	10938.26	10630.02	10341.81	10168.93	9940.34	9725.76	9721.88	9781.17
41	11344.43	11133.58	10863.31	10550.06	10257.50	10095.97	9878.19	9670.29	9668.99	9731.17
42	11256.93	11054.71	10784.84	10465.56	10168.38	10017.30	9812.11	9613.32	9612.00	9679.04
43	11161.43	10967.03	10698.42	10376.70	10076.50	9934.23	9746.90	9552.37	9552.06	9624.67
44	11061.58	10873.05	10605.97	10281.69	9984.78	9847.41	9677.48	9489.07	9489.06	9569.81
45	10963.57	10775.82	10506.31	10183.95	9885.35	9756.09	9605.31	9421.84	9423.59	9512.48
46	10860.01	10668.68	10396.29	10078.72	9788.67	9660.85	9531.02	9353.66	9356.02	9451.56
47	10753.76	10556.16	10278.16	9965.14	9681.00	9559.08	9451.99	9281.82	9284.18	9387.81
48	10644.45	10434.52	10148.79	9846.52	9570.53	9452.59	9369.38	9209.72	9211.16	9321.83
49	10531.09	10303.10	10010.84	9721.64	9448.17	9340.47	9281.19	9134.14	9132.29	9250.76
50	10403.55	10165.43	9862.72	9596.95	9321.11	9226.76	9187.47	9056.75	9046.79	9175.05
51	10254.66	10016.29	9699.18	9460.03	9181.86	9110.83	9084.75	8977.28	8958.32	9096.75
52	10091.55	9851.28	9525.32	9317.52	9025.17	8988.11	8976.56	8892.26	8859.85	9015.27
53	9896.63	9660.91	9331.04	9158.58	8850.57	8859.89	8859.01	8799.66	8744.07	8927.48

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM4K.IES

CANDELA TABULATION - (Cont.)

54	9674.07	9447.01	9121.78	8974.49	8658.45	8711.60	8732.20	8693.69	8601.10	8829.78
55	9431.15	9203.05	8904.58	8775.20	8461.31	8555.69	8598.99	8566.78	8444.11	8716.43
56	9167.13	8920.83	8666.62	8538.08	8255.13	8378.00	8448.90	8412.49	8277.47	8578.98
57	8887.40	8616.62	8410.60	8284.67	8044.48	8183.47	8288.33	8232.68	8109.52	8417.32
58	8602.46	8293.98	8141.80	8013.02	7831.45	7971.97	8112.45	8036.05	7949.48	8235.50
59	8306.76	7950.10	7853.87	7734.29	7613.97	7751.15	7923.46	7834.02	7803.18	8048.79
60	7994.05	7600.47	7546.92	7441.42	7387.48	7513.84	7708.27	7626.63	7669.28	7864.28
61	7650.21	7250.61	7217.09	7141.65	7164.39	7271.93	7464.29	7422.16	7549.51	7686.22
62	7267.93	6882.19	6881.87	6834.70	6928.67	7020.53	7182.73	7211.40	7434.31	7503.74
63	6841.11	6508.26	6526.96	6526.62	6677.50	6762.70	6851.28	6995.65	7307.68	7337.92
64	6351.59	6100.30	6166.96	6211.77	6393.70	6500.41	6493.92	6766.53	7158.57	7169.35
65	5834.83	5673.82	5810.10	5894.27	6084.72	6228.68	6123.87	6517.71	6958.23	6981.65
66	5284.65	5215.29	5454.56	5557.50	5735.16	5919.94	5768.50	6227.05	6686.80	6745.49
67	4757.93	4742.91	5089.03	5214.70	5355.84	5581.25	5430.13	5918.30	6357.35	6469.54
68	4236.35	4280.24	4684.49	4852.44	4917.35	5201.23	5102.58	5559.88	5977.89	6157.74
69	3748.93	3816.59	4229.80	4445.93	4403.60	4771.04	4784.69	5187.92	5556.10	5817.42
70	3268.27	3355.52	3696.98	3993.84	3832.04	4317.45	4481.56	4798.66	5100.69	5453.93
71	2779.98	2878.03	3124.09	3479.95	3283.21	3813.70	4164.79	4402.89	4619.59	5077.52
72	2285.06	2398.08	2499.81	2947.18	2751.79	3293.21	3768.68	3972.38	4097.35	4679.38
73	1827.29	1948.87	1923.02	2392.76	2313.28	2767.52	3287.81	3477.13	3529.56	4221.77
74	1465.09	1521.14	1429.46	1906.00	1967.74	2258.44	2734.13	2921.84	2932.04	3691.83
75	1176.96	1160.37	1029.40	1507.15	1661.82	1789.15	2092.51	2329.07	2306.91	3094.57
76	947.70	855.71	740.12	1206.49	1390.02	1500.70	1636.25	1895.96	1752.36	2474.80
77	740.52	644.21	613.83	946.67	1118.26	1212.25	1180.00	1462.86	1430.27	1980.23
78	582.55	524.57	492.65	734.07	852.17	924.98	727.45	1031.60	1109.41	1485.67
79	425.56	406.96	371.46	596.17	572.68	724.95	545.95	771.41	876.54	997.81
80	268.57	289.35	299.00	460.79	344.07	564.67	431.22	570.92	617.31	746.90
81	210.61	229.54	244.87	325.42	252.56	443.24	351.58	412.66	401.32	539.45
82	168.03	180.36	202.64	251.12	194.61	365.35	295.99	319.55	283.25	373.02
83	132.28	134.84	160.17	193.31	158.80	302.30	253.75	258.51	212.70	258.85
84	102.81	98.74	120.21	145.66	123.07	248.78	214.99	210.50	161.35	198.77
85	70.89	67.96	85.75	101.93	92.34	195.17	169.23	168.69	110.00	138.68
86	57.33	47.18	60.33	70.43	66.23	141.57	123.47	126.88	58.79	78.85
87	43.78	26.40	35.26	48.56	43.11	88.41	78.08	85.07	39.35	53.12
88	30.23	5.62	10.19	26.77	29.02	59.11	52.22	43.26	19.92	27.38
89	16.69	3.99	7.40	4.99	14.93	29.82	26.36	1.99	0.69	1.92
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM4K.IES

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 : MPLSEL40HTT5HV-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	11426.88	11426.88	11426.88	11426.88	11426.88	11426.88	11426.88
1	11395.83	11410.25	11426.46	11442.51	11457.54	11466.20	11469.11
2	11363.02	11391.84	11425.82	11458.80	11488.25	11506.36	11512.41
3	11330.14	11371.06	11424.73	11476.48	11520.46	11547.93	11555.91
4	11296.11	11351.38	11423.42	11493.49	11553.03	11589.46	11598.89
5	11262.38	11331.04	11422.99	11510.38	11583.47	11630.89	11643.20
6	11228.63	11309.17	11420.83	11525.87	11615.29	11671.34	11687.27
7	11195.12	11288.26	11417.58	11542.44	11648.11	11713.15	11731.96
8	11161.50	11269.24	11414.17	11559.34	11680.44	11755.15	11775.48
9	11130.69	11249.75	11412.40	11577.28	11714.94	11797.06	11820.07
10	11099.12	11231.25	11410.86	11594.63	11749.93	11839.54	11862.75
11	11068.43	11211.44	11410.84	11610.87	11781.79	11882.44	11903.61
12	11039.61	11193.86	11410.20	11623.94	11810.06	11922.23	11943.51
13	11012.73	11178.32	11409.51	11635.99	11837.43	11959.50	11981.67
14	10985.85	11163.18	11408.82	11646.23	11859.28	11993.65	12017.31
15	10958.33	11148.45	11408.12	11653.62	11877.68	12024.57	12049.90
16	10931.88	11134.70	11407.43	11659.51	11893.88	12050.28	12080.11
17	10903.98	11120.50	11406.74	11664.19	11907.35	12072.11	12105.98
18	10875.05	11107.15	11404.59	11668.76	11918.96	12091.39	12127.78
19	10844.85	11093.23	11400.67	11668.84	11926.52	12107.52	12144.83
20	10816.74	11078.11	11394.89	11669.49	11929.77	12120.50	12154.75
21	10789.29	11060.79	11386.58	11668.65	11930.22	12126.28	12159.45
22	10760.82	11041.77	11379.00	11662.95	11928.72	12125.17	12157.28
23	10730.00	11021.78	11367.54	11654.33	11918.33	12119.69	12146.89
24	10700.17	11002.05	11353.63	11645.03	11903.01	12108.29	12130.81
25	10669.14	10982.28	11337.93	11630.58	11886.11	12091.65	12111.26
26	10636.79	10960.66	11320.68	11614.43	11864.50	12069.25	12085.69
27	10601.27	10936.01	11301.16	11594.85	11839.33	12042.06	12057.07
28	10563.63	10909.99	11279.54	11571.11	11811.07	12012.23	12026.19
29	10525.36	10882.94	11254.66	11545.07	11782.32	11981.13	11995.06
30	10485.99	10853.89	11227.39	11516.35	11752.53	11948.50	11962.50
31	10445.37	10822.79	11196.00	11483.70	11720.41	11912.28	11929.75
32	10405.85	10791.20	11167.01	11449.43	11686.32	11869.12	11894.76
33	10368.32	10757.84	11136.86	11411.44	11649.59	11821.50	11855.20
34	10330.80	10721.89	11104.33	11370.91	11608.53	11768.52	11808.96
35	10295.94	10684.51	11065.23	11325.65	11563.67	11713.45	11757.08
36	10257.02	10646.41	11015.69	11280.42	11518.79	11655.64	11703.24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM4K.IES

CANDELA TABULATION - (Cont.)

37	10217.62	10604.75	10961.33	11230.46	11472.13	11596.12	11642.98
38	10176.24	10551.59	10904.38	11178.38	11423.80	11531.14	11575.91
39	10135.23	10494.36	10849.57	11122.26	11368.78	11463.11	11504.41
40	10092.54	10433.20	10793.74	11066.09	11310.10	11391.22	11427.42
41	10046.97	10374.48	10737.42	11003.75	11248.84	11315.44	11344.43
42	9997.60	10313.59	10678.28	10940.10	11184.25	11235.30	11256.93
43	9943.65	10253.55	10618.60	10871.76	11115.42	11153.22	11161.43
44	9890.72	10191.20	10554.22	10797.17	11039.11	11066.21	11061.58
45	9833.80	10127.72	10488.28	10721.50	10966.18	10978.13	10963.57
46	9778.99	10063.07	10414.57	10640.37	10880.90	10882.43	10860.01
47	9719.95	9995.00	10337.99	10560.10	10787.50	10784.82	10753.76
48	9657.22	9923.49	10256.11	10473.62	10683.19	10676.73	10644.45
49	9588.15	9846.21	10167.54	10378.12	10572.82	10564.84	10531.09
50	9515.12	9763.82	10075.76	10274.75	10455.60	10450.79	10403.55
51	9435.32	9675.25	9976.79	10163.98	10329.46	10324.43	10254.66
52	9354.91	9585.85	9873.23	10044.62	10193.22	10188.74	10091.55
53	9270.68	9487.88	9761.43	9911.14	10048.29	10030.12	9896.63
54	9183.07	9388.71	9632.43	9768.62	9891.60	9848.37	9674.07
55	9090.39	9279.60	9492.03	9612.83	9729.67	9648.58	9431.15
56	8990.99	9153.04	9341.31	9433.14	9550.53	9417.72	9167.13
57	8882.70	9012.99	9181.19	9239.90	9362.44	9160.94	8887.40
58	8763.63	8866.36	9017.91	9035.44	9156.81	8884.84	8602.46
59	8624.88	8710.87	8844.95	8825.54	8933.06	8588.61	8306.76
60	8471.03	8541.35	8668.93	8595.03	8685.35	8281.72	7994.05
61	8287.49	8362.07	8483.44	8356.30	8412.46	7968.45	7650.21
62	8065.93	8166.99	8297.41	8102.63	8114.44	7638.54	7267.93
63	7799.20	7958.85	8118.01	7840.89	7792.04	7285.05	6841.11
64	7482.37	7727.32	7937.23	7570.75	7446.66	6893.10	6351.59
65	7139.37	7496.92	7740.60	7303.53	7079.45	6456.29	5834.83
66	6764.59	7251.45	7523.98	7027.84	6700.02	5981.14	5284.65
67	6398.83	6982.20	7272.13	6718.85	6301.85	5472.93	4757.93
68	6042.64	6680.27	6991.07	6392.31	5885.91	4954.02	4236.35
69	5710.76	6367.49	6654.76	6045.51	5460.98	4442.99	3748.93
70	5408.62	6003.64	6236.06	5661.45	4999.92	3926.40	3268.27
71	5152.79	5612.39	5746.46	5236.76	4478.90	3408.90	2779.98
72	4906.40	5174.57	5222.45	4762.83	3877.57	2891.37	2285.06
73	4600.86	4717.48	4646.18	4244.00	3180.34	2385.43	1827.29
74	4173.73	4241.10	3976.18	3652.26	2469.26	1903.14	1465.09
75	3587.55	3656.58	3314.14	2934.58	1771.61	1488.49	1176.96
76	2898.18	2971.26	2744.52	2226.09	1211.25	1137.52	947.70
77	2178.29	2244.69	2297.55	1684.37	828.42	854.32	740.52
78	1669.02	1817.93	1930.02	1307.93	618.21	640.71	582.55
79	1159.74	1391.18	1536.06	1002.54	503.11	508.78	425.56
80	652.35	964.82	1026.09	750.62	391.16	379.60	268.57
81	468.13	668.18	508.49	583.57	303.73	250.41	210.61
82	342.58	449.17	360.94	417.20	235.33	195.45	168.03
83	251.50	303.33	216.26	250.83	183.84	144.90	132.28
84	203.17	220.14	163.19	181.68	145.74	109.33	102.81
85	154.85	176.88	123.17	125.41	108.61	75.18	70.89
86	106.53	133.62	92.43	84.51	70.27	52.01	57.33
87	60.71	90.60	65.51	58.67	56.60	28.85	43.78
88	40.67	60.45	52.76	33.09	43.23	5.69	30.23
89	20.62	30.30	40.26	7.52	29.86	4.19	16.69
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 : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-40000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4321.5	N.A.	10.50
0-30	9516.76	N.A.	23.10
0-40	16316.76	N.A.	39.50
0-60	32217.95	N.A.	78.00
0-80	41105.47	N.A.	99.60
0-90	41284.05	N.A.	100.00
10-90	40193.71	N.A.	97.40
20-40	11995.26	N.A.	29.10
20-50	19868.73	N.A.	48.10
40-70	22321.22	N.A.	54.10
60-80	8887.52	N.A.	21.50
70-80	2467.49	N.A.	6.00
80-90	178.58	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	41284.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1090.34
10-20	3231.15
20-30	5195.27
30-40	6800.00
40-50	7873.47
50-60	8027.72
60-70	6420.03
70-80	2467.49
80-90	178.58
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 : MPLSEL40HTT5HV-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	76	85	79	75	81	77	73	78	75	71	69
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	54	45	39	66	53	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	37	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	28	24	35	28	23	34	28	23	21

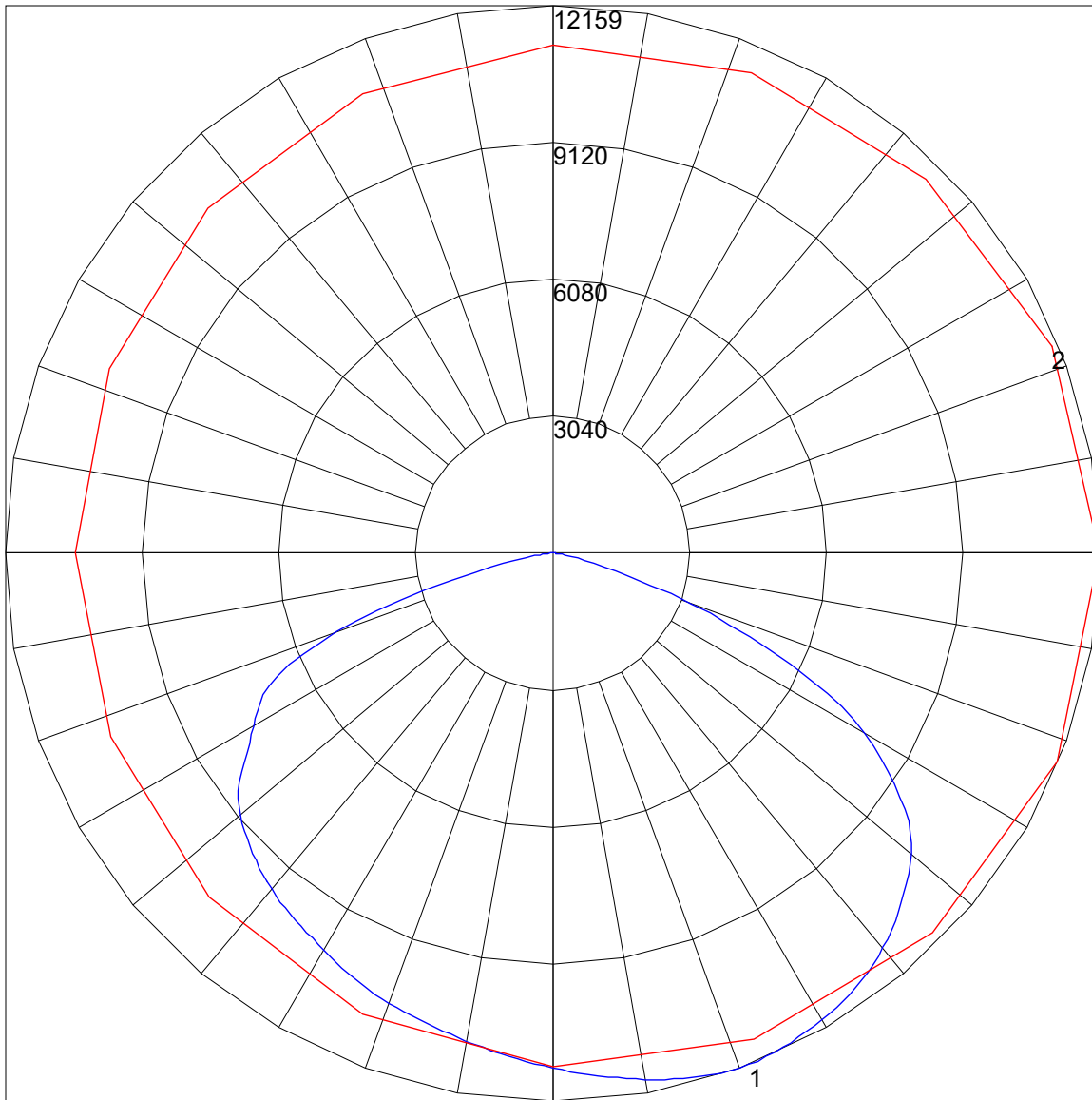
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-40000LM4K.IES

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	31.2	32.9	31.6	33.2	33.5	30.7	32.4	31.0	32.7	33.0
	3H	32.4	33.9	32.7	34.2	34.6	32.3	33.9	32.7	34.2	34.5
	4H	32.5	33.9	32.9	34.3	34.6	32.5	34.0	32.9	34.3	34.7
	6H	32.4	33.8	32.9	34.1	34.5	32.5	33.9	33.0	34.3	34.6
	8H	32.4	33.7	32.8	34.1	34.5	32.5	33.8	32.9	34.2	34.6
	12H	32.4	33.6	32.8	34.0	34.4	32.5	33.7	32.9	34.1	34.5
4H	2H	31.9	33.3	32.3	33.7	34.0	31.3	32.8	31.7	33.1	33.5
	3H	33.2	34.4	33.6	34.8	35.2	33.1	34.3	33.5	34.7	35.1
	4H	33.3	34.4	33.7	34.8	35.2	33.3	34.4	33.8	34.8	35.3
	6H	33.3	34.2	33.7	34.7	35.1	33.4	34.3	33.8	34.8	35.2
	8H	33.3	34.1	33.7	34.6	35.0	33.4	34.3	33.8	34.7	35.2
	12H	33.2	34.0	33.7	34.5	35.0	33.4	34.1	33.8	34.6	35.1
8H	4H	33.4	34.3	33.8	34.7	35.2	33.4	34.3	33.9	34.7	35.2
	6H	33.4	34.1	33.9	34.6	35.1	33.5	34.2	34.0	34.7	35.2
	8H	33.3	34.0	33.9	34.5	35.0	33.5	34.1	34.0	34.6	35.1
	12H	33.3	33.9	33.8	34.4	35.0	33.5	34.0	34.0	34.5	35.1
12H	4H	33.4	34.2	33.8	34.6	35.1	33.4	34.2	33.9	34.7	35.1
	6H	33.4	34.0	33.9	34.5	35.0	33.5	34.1	34.0	34.6	35.1
	8H	33.3	33.9	33.9	34.4	35.0	33.5	34.0	34.0	34.5	35.1

Maximum UGR = 35.3

POLAR GRAPH



Maximum Candela = 12159.45 Located At Horizontal Angle = 0, Vertical Angle = 21
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (21) (Through Max. Cd.)