

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3-28000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50023E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUE DATE] 2022-12-01 11:33:20
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT3-28000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30104
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	203.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.58
Spacing Criterion (Diagonal)	1.52
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	88210	122394	148076
55	68461	133391	184015
65	34191	153926	256018
75	16307	46748	324072
85	10561	10458	117437

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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	8490.97	8490.97	8490.97	8490.97	8490.97	8490.97	8490.97	8490.97	8490.97	8490.97
1	8516.38	8514.93	8511.57	8506.64	8493.61	8482.07	8473.82	8466.33	8456.35	8461.04
2	8534.86	8536.44	8530.96	8519.66	8497.60	8476.94	8449.90	8432.09	8416.62	8425.24
3	8549.17	8551.54	8546.22	8533.63	8504.15	8467.21	8422.22	8393.12	8370.90	8382.09
4	8559.85	8562.87	8562.21	8549.76	8509.03	8458.35	8400.93	8346.26	8321.01	8332.96
5	8566.07	8571.04	8577.25	8558.32	8514.56	8449.73	8368.48	8300.65	8265.81	8284.96
6	8569.48	8574.23	8582.74	8566.02	8517.32	8438.66	8339.29	8252.21	8209.03	8233.09
7	8572.12	8578.25	8591.81	8575.94	8522.45	8426.10	8307.20	8199.91	8142.99	8179.30
8	8569.16	8580.28	8594.87	8583.71	8530.24	8415.26	8274.31	8143.57	8079.09	8123.12
9	8561.77	8582.61	8600.15	8595.38	8537.09	8404.40	8235.40	8086.91	8017.74	8065.36
10	8555.09	8578.82	8603.96	8608.64	8544.62	8394.74	8196.58	8026.67	7946.53	8005.14
11	8538.50	8568.72	8609.35	8618.83	8552.27	8386.37	8156.81	7965.90	7873.48	7942.09
12	8515.46	8556.94	8612.80	8625.93	8562.73	8373.11	8117.34	7898.93	7800.97	7878.60
13	8488.55	8538.64	8614.80	8639.67	8573.28	8359.78	8076.61	7831.22	7722.88	7812.19
14	8454.60	8517.28	8613.33	8652.78	8583.62	8349.76	8033.02	7761.63	7641.27	7740.62
15	8412.99	8486.57	8611.35	8666.44	8593.26	8345.47	7990.91	7688.36	7557.37	7674.56
16	8367.48	8454.41	8607.69	8677.33	8605.73	8334.92	7946.82	7616.60	7474.63	7600.10
17	8317.12	8415.35	8601.08	8688.31	8617.08	8328.94	7903.04	7539.39	7387.41	7526.16
18	8259.40	8373.56	8589.03	8702.34	8626.29	8320.21	7856.66	7461.70	7303.02	7446.83
19	8197.69	8322.87	8571.87	8711.86	8640.15	8318.88	7816.03	7381.86	7211.16	7368.57
20	8134.77	8274.52	8552.52	8722.56	8650.95	8311.23	7772.65	7297.64	7119.84	7289.32
21	8064.10	8218.32	8531.60	8728.33	8664.27	8304.87	7725.92	7214.25	7023.52	7204.49
22	7989.28	8159.31	8504.66	8737.75	8674.82	8299.38	7686.65	7132.38	6927.69	7122.67
23	7909.92	8096.07	8477.48	8743.69	8685.94	8292.97	7644.49	7046.35	6831.43	7037.13
24	7821.55	8029.57	8446.38	8747.13	8696.84	8287.45	7596.69	6957.78	6733.56	6950.76
25	7729.68	7960.83	8413.36	8745.87	8704.48	8281.16	7553.56	6871.92	6634.34	6864.31
26	7632.18	7883.65	8381.87	8747.75	8714.12	8275.15	7507.14	6780.64	6532.91	6772.71
27	7529.64	7801.15	8345.75	8745.87	8726.41	8264.93	7463.03	6687.09	6430.20	6683.90
28	7421.19	7713.52	8306.42	8747.97	8735.12	8254.48	7414.22	6594.23	6326.90	6589.84
29	7308.13	7620.36	8269.56	8745.28	8737.70	8244.69	7370.40	6501.30	6225.45	6498.94
30	7193.29	7523.00	8222.82	8745.84	8749.17	8238.68	7327.20	6410.08	6124.14	6407.90
31	7074.96	7421.71	8178.99	8739.33	8756.98	8229.13	7283.13	6318.14	6020.14	6314.17
32	6955.19	7318.66	8131.66	8734.05	8762.62	8219.10	7231.97	6221.92	5912.17	6216.72
33	6831.87	7212.64	8079.40	8729.25	8766.07	8207.12	7183.90	6123.88	5797.08	6118.33
34	6708.88	7099.51	8025.77	8721.98	8771.23	8198.31	7131.53	6026.85	5679.01	6015.01
35	6584.78	6993.59	7970.71	8714.45	8773.66	8181.75	7084.42	5924.65	5553.43	5905.63
36	6462.43	6885.49	7914.28	8703.08	8776.66	8168.72	7035.10	5817.78	5421.94	5794.38
37	6334.07	6777.45	7853.42	8691.56	8779.41	8149.68	6984.97	5709.61	5286.94	5679.97
38	6209.14	6665.43	7786.94	8679.66	8782.90	8133.94	6931.64	5590.41	5149.93	5559.01
39	6075.83	6545.72	7719.42	8665.68	8785.44	8117.91	6873.80	5463.77	5014.26	5441.51
40	5945.09	6430.32	7652.50	8648.04	8793.05	8100.85	6818.91	5334.04	4874.92	5315.31
41	5806.92	6311.56	7581.61	8630.41	8795.51	8084.58	6760.85	5198.54	4736.03	5191.93
42	5670.78	6192.67	7509.74	8610.57	8802.09	8063.67	6705.15	5049.70	4586.36	5056.26
43	5525.63	6071.76	7433.39	8584.15	8802.76	8043.86	6644.35	4895.64	4432.04	4917.17
44	5385.50	5950.62	7352.96	8559.67	8803.29	8025.04	6579.94	4742.04	4284.30	4774.89
45	5241.64	5826.57	7272.93	8541.24	8799.02	8001.23	6515.91	4576.45	4134.35	4619.41
46	5099.84	5695.47	7187.40	8521.87	8794.28	7978.87	6447.06	4408.76	3987.21	4460.00
47	4958.44	5558.76	7100.84	8499.76	8793.01	7956.79	6374.72	4238.34	3837.85	4288.62
48	4805.58	5415.56	7014.74	8467.19	8791.09	7926.06	6300.27	4060.07	3689.94	4115.64
49	4637.16	5260.04	6925.99	8423.70	8791.94	7880.97	6216.91	3880.25	3535.10	3936.80
50	4451.56	5100.79	6841.61	8382.05	8799.41	7834.92	6131.62	3704.77	3378.79	3767.36
51	4245.34	4920.57	6753.43	8332.59	8808.04	7794.97	6039.51	3528.93	3228.40	3597.20
52	4019.12	4716.71	6665.98	8284.48	8820.79	7757.09	5940.36	3358.15	3077.67	3423.88
53	3782.32	4481.50	6579.00	8229.80	8832.13	7727.71	5829.54	3189.91	2938.64	3256.10

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CANDELA TABULATION - (Cont.)

54	3544.23	4221.88	6500.08	8170.02	8849.21	7690.24	5704.11	3026.64	2801.90	3085.77
55	3299.87	3929.20	6429.54	8114.47	8869.69	7656.59	5564.81	2868.84	2673.69	2915.91
56	3073.36	3621.97	6362.17	8052.94	8894.44	7621.79	5403.51	2718.68	2544.77	2750.15
57	2848.69	3311.28	6309.82	7987.91	8917.91	7589.43	5211.68	2573.67	2403.75	2591.89
58	2622.24	3003.47	6264.96	7920.34	8931.96	7561.08	4990.83	2429.90	2257.46	2440.18
59	2390.44	2714.18	6226.80	7844.04	8951.71	7532.24	4733.42	2282.79	2103.58	2282.75
60	2165.60	2440.70	6190.63	7757.74	8968.83	7501.53	4449.67	2126.97	1949.84	2123.29
61	1937.98	2188.94	6139.03	7668.64	8989.20	7470.77	4127.92	1961.85	1789.25	1959.12
62	1726.21	1944.56	6059.15	7572.82	9011.29	7448.21	3786.46	1796.29	1630.31	1794.48
63	1535.13	1727.49	5939.98	7484.86	9037.01	7432.04	3414.69	1631.91	1480.85	1637.55
64	1362.85	1526.08	5754.23	7398.57	9063.45	7423.90	3042.39	1487.34	1363.54	1487.11
65	1214.28	1344.00	5466.67	7328.38	9092.48	7425.68	2682.00	1342.76	1246.22	1359.09
66	1081.07	1181.31	5072.25	7282.07	9118.39	7445.22	2346.44	1198.57	1129.07	1231.06
67	964.41	1039.14	4554.10	7260.10	9136.56	7483.26	2003.93	1071.92	1020.83	1103.59
68	852.96	917.43	3958.87	7276.62	9134.23	7548.17	1690.03	960.76	912.21	991.34
69	750.87	808.00	3336.40	7311.12	9087.86	7627.30	1460.22	863.92	809.69	886.72
70	664.06	709.69	2727.09	7372.24	8975.21	7707.06	1230.41	776.87	726.49	791.30
71	593.34	627.83	2229.11	7433.46	8797.06	7747.36	1000.86	697.09	659.77	702.46
72	522.97	551.16	1817.38	7478.48	8536.71	7725.04	845.95	622.96	601.46	621.02
73	452.60	474.60	1496.49	7515.29	8161.66	7656.35	711.01	551.79	548.36	545.26
74	399.52	415.37	1233.33	7539.09	7655.74	7544.89	601.13	484.03	501.17	475.85
75	354.68	366.00	1016.78	7536.02	7048.57	7399.86	510.70	421.81	463.12	414.99
76	319.48	324.47	801.10	7494.00	6364.84	7194.54	428.02	369.25	428.08	362.23
77	288.16	287.89	630.03	7292.91	5623.23	6900.52	360.65	324.26	391.37	318.44
78	257.11	254.19	458.98	6813.28	4789.69	6502.38	304.08	285.14	346.36	278.57
79	231.13	221.50	287.93	6081.17	3903.56	5843.26	257.96	248.91	305.59	242.50
80	205.76	189.80	231.82	5104.37	2997.71	4827.67	217.71	213.43	272.21	208.99
81	179.95	160.30	193.00	4066.82	2176.85	3621.47	182.41	181.50	237.77	177.09
82	152.72	134.17	159.34	3154.78	1780.32	2612.05	152.07	156.26	203.85	150.33
83	126.28	110.67	129.52	2411.57	1383.80	2029.86	121.77	131.02	165.21	123.61
84	101.47	87.24	101.35	1821.67	992.69	1447.67	96.56	105.81	126.56	101.65
85	77.35	65.98	76.60	1340.93	860.13	873.18	73.91	82.71	87.67	78.88
86	54.41	47.55	56.55	964.82	713.97	556.70	52.28	49.18	40.85	44.35
87	31.47	29.14	36.52	659.14	524.42	385.22	35.79	33.04	27.31	29.72
88	8.52	10.72	16.50	495.06	355.38	213.74	19.30	16.90	13.77	15.08
89	5.94	7.45	4.62	332.65	186.34	43.05	2.88	0.80	0.30	0.49
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 : MPLSEL40HTT3-28000LM4K.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	8490.97	8490.97	8490.97	8490.97	8490.97	8490.97	8490.97
1	8463.43	8476.26	8490.31	8497.80	8506.96	8515.50	8516.38
2	8434.90	8465.33	8485.34	8506.97	8521.41	8533.12	8534.86
3	8408.45	8454.97	8491.06	8516.56	8533.12	8546.33	8549.17
4	8378.57	8443.81	8491.58	8525.50	8542.86	8553.95	8559.85
5	8348.51	8430.35	8498.56	8531.91	8550.43	8558.50	8566.07
6	8317.21	8420.64	8502.14	8538.25	8556.60	8564.67	8569.48
7	8283.91	8409.95	8505.54	8546.71	8563.16	8566.93	8572.12
8	8248.94	8397.67	8508.40	8554.83	8566.79	8565.88	8569.16
9	8208.51	8381.44	8511.69	8558.63	8570.75	8562.40	8561.77
10	8169.35	8367.92	8513.18	8564.84	8573.75	8558.53	8555.09
11	8130.03	8355.07	8515.12	8568.33	8572.07	8546.50	8538.50
12	8085.98	8340.35	8518.96	8569.01	8569.71	8530.35	8515.46
13	8047.81	8332.33	8530.58	8577.60	8564.07	8510.23	8488.55
14	8006.84	8320.11	8533.73	8582.92	8554.35	8484.31	8454.60
15	7965.61	8312.61	8538.90	8594.07	8545.05	8451.18	8412.99
16	7924.33	8302.87	8546.84	8598.17	8532.69	8414.07	8367.48
17	7886.49	8289.10	8556.04	8604.15	8517.47	8374.21	8317.12
18	7841.26	8278.65	8561.50	8610.41	8501.24	8326.78	8259.40
19	7797.22	8267.83	8566.09	8611.16	8480.71	8279.27	8197.69
20	7756.23	8262.62	8575.99	8617.83	8456.88	8223.12	8134.77
21	7712.00	8250.53	8580.78	8617.01	8431.45	8166.60	8064.10
22	7666.48	8241.54	8588.40	8620.35	8400.47	8103.29	7989.28
23	7622.80	8231.48	8595.11	8618.79	8368.33	8037.46	7909.92
24	7575.46	8220.40	8603.72	8618.31	8333.65	7963.94	7821.55
25	7530.20	8216.06	8608.38	8614.29	8295.29	7889.67	7729.68
26	7484.47	8203.52	8616.91	8612.72	8253.11	7811.25	7632.18
27	7441.80	8193.09	8625.60	8608.44	8215.20	7728.90	7529.64
28	7397.48	8183.71	8630.24	8605.18	8168.48	7642.06	7421.19
29	7347.48	8180.18	8638.11	8600.91	8124.89	7546.97	7308.13
30	7298.47	8175.06	8644.47	8598.25	8075.87	7454.38	7193.29
31	7249.12	8167.41	8643.93	8591.94	8026.83	7355.85	7074.96
32	7196.38	8156.90	8649.60	8587.71	7978.85	7255.78	6955.19
33	7146.61	8143.80	8650.83	8579.51	7924.72	7145.48	6831.87
34	7098.65	8129.90	8650.21	8572.42	7867.52	7040.14	6708.88
35	7049.75	8116.90	8654.19	8565.53	7810.76	6935.71	6584.78
36	6998.51	8101.97	8656.40	8556.72	7748.07	6822.73	6462.43

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	6949.59	8091.80	8659.41	8541.04	7686.90	6714.37	6334.07
38	6898.90	8076.90	8666.47	8522.19	7622.17	6600.70	6209.14
39	6845.26	8061.76	8676.77	8507.08	7550.50	6483.64	6075.83
40	6789.73	8044.48	8692.61	8488.79	7478.61	6369.20	5945.09
41	6737.05	8021.93	8710.79	8470.79	7401.94	6250.58	5806.92
42	6687.90	8000.26	8728.21	8449.68	7325.19	6131.19	5670.78
43	6633.16	7976.86	8752.70	8426.41	7242.48	6014.35	5525.63
44	6580.58	7960.89	8764.70	8399.93	7159.09	5890.23	5385.50
45	6521.99	7948.78	8767.85	8379.08	7075.72	5764.79	5241.64
46	6462.42	7941.38	8748.94	8361.86	6987.63	5625.92	5099.84
47	6402.24	7937.14	8742.41	8345.86	6902.56	5490.57	4958.44
48	6341.20	7925.51	8743.50	8321.47	6815.75	5340.92	4805.58
49	6275.88	7898.90	8754.78	8287.15	6726.85	5181.05	4637.16
50	6202.72	7868.36	8768.71	8232.62	6644.42	5014.85	4451.56
51	6121.08	7845.50	8788.76	8189.07	6561.44	4828.47	4245.34
52	6028.79	7829.74	8814.60	8145.39	6483.29	4625.48	4019.12
53	5927.21	7817.36	8842.30	8104.37	6409.48	4401.89	3782.32
54	5814.74	7800.55	8872.35	8064.45	6343.98	4150.74	3544.23
55	5691.96	7788.28	8905.80	8023.26	6289.74	3886.48	3299.87
56	5557.93	7781.22	8942.14	7977.80	6243.52	3614.03	3073.36
57	5403.54	7770.66	8977.44	7932.70	6203.91	3334.67	2848.69
58	5220.84	7758.19	9012.18	7879.14	6169.38	3053.97	2622.24
59	5001.72	7743.64	9050.41	7820.82	6134.32	2780.66	2390.44
60	4752.36	7727.95	9087.82	7757.55	6082.87	2511.86	2165.60
61	4469.77	7709.45	9126.37	7690.90	6004.48	2239.64	1937.98
62	4161.95	7692.14	9169.05	7621.71	5876.46	1972.97	1726.21
63	3837.11	7675.84	9209.97	7551.99	5695.01	1735.11	1535.13
64	3479.62	7658.95	9248.90	7482.11	5425.66	1521.99	1362.85
65	3100.50	7646.65	9285.58	7410.80	5036.42	1335.00	1214.28
66	2719.77	7643.71	9325.62	7347.59	4520.76	1175.89	1081.07
67	2329.57	7659.28	9351.29	7302.32	3908.50	1035.42	964.41
68	1927.60	7685.78	9353.66	7284.49	3275.08	910.14	852.96
69	1650.52	7723.17	9294.62	7271.76	2638.82	797.06	750.87
70	1373.43	7739.95	9179.53	7262.17	2065.83	694.65	664.06
71	1096.43	7714.32	9009.76	7234.46	1639.41	618.77	593.34
72	917.22	7655.97	8765.05	7197.15	1320.07	543.47	522.97
73	753.07	7547.51	8415.43	7159.41	1078.56	468.16	452.60
74	612.37	7385.30	7963.27	7137.13	877.91	408.30	399.52
75	499.80	7164.44	7403.50	7142.07	703.28	358.04	354.68
76	420.89	6892.48	6785.46	7151.91	572.52	317.30	319.48
77	358.78	6537.17	6082.81	7106.11	442.77	282.07	288.16
78	304.75	6095.74	5293.77	6880.81	313.02	249.37	257.11
79	259.68	5470.80	4390.21	6396.13	256.86	216.86	231.13
80	218.99	4471.98	3425.98	5637.14	217.01	185.57	205.76
81	183.33	3338.09	2500.89	4652.96	182.13	156.38	179.95
82	152.28	2414.03	1819.05	3640.73	151.23	130.00	152.72
83	121.27	1906.64	1389.30	2825.65	122.54	106.66	126.28
84	95.95	1399.26	1150.26	2127.43	95.45	84.99	101.47
85	72.78	897.54	988.30	1531.09	71.54	64.06	77.35
86	50.90	605.98	809.81	1078.31	52.03	45.78	54.41
87	34.65	380.72	588.76	677.36	32.55	27.51	31.47
88	18.40	217.51	330.33	367.75	13.06	9.24	8.52
89	2.22	59.06	71.37	59.46	9.39	6.44	5.94
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 : MPLSEL40HTT3-28000LM4K.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 : MPLSEL40HTT3-28000LM4K.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 : MPLSEL40HTT3-28000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3145.6	N.A.	10.40
0-30	6807.76	N.A.	22.60
0-40	11460.76	N.A.	38.10
0-60	21861.17	N.A.	72.60
0-80	29454.71	N.A.	97.80
0-90	30103.67	N.A.	100.00
10-90	29298.38	N.A.	97.30
20-40	8315.16	N.A.	27.60
20-50	13524.88	N.A.	44.90
40-70	14861.18	N.A.	49.40
60-80	7593.55	N.A.	25.20
70-80	3132.77	N.A.	10.40
80-90	648.95	N.A.	2.20
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	30103.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	805.29
10-20	2340.31
20-30	3662.16
30-40	4653.01
40-50	5209.71
50-60	5190.69
60-70	4460.77
70-80	3132.77
80-90	648.95
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 : MPLSEL40HTT3-28000LM4K.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	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	71	64	59	69	63	58	66	61	57	54
4	80	67	57	50	77	65	57	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	22	21

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3-28000LM4K.IES

UGR TABLE - CORRECTED

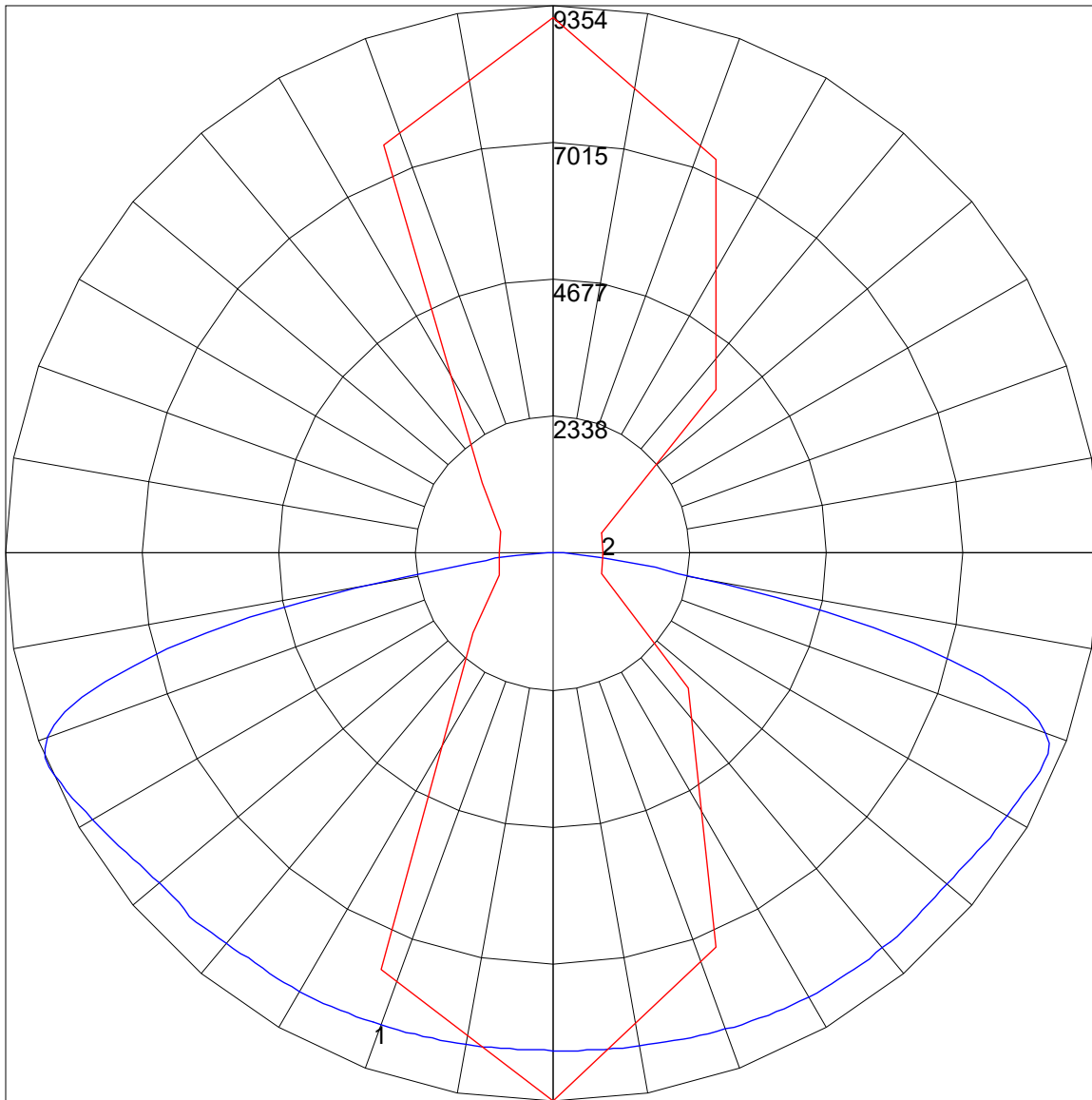
Reflectances

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	25.0	26.7	25.4	27.0	27.4	31.7	33.4	32.1	33.7	34.1
	3H	25.3	26.9	25.7	27.2	27.6	35.5	37.0	35.8	37.4	37.7
	4H	25.4	26.9	25.8	27.2	27.6	37.1	38.6	37.5	39.0	39.4
	6H	25.4	26.8	25.8	27.2	27.6	38.1	39.5	38.5	39.8	40.2
	8H	25.4	26.7	25.8	27.1	27.5	38.2	39.5	38.6	39.9	40.3
	12H	25.4	26.7	25.8	27.1	27.5	38.2	39.5	38.6	39.9	40.3
4H	2H	27.9	29.4	28.3	29.8	30.1	32.0	33.5	32.4	33.8	34.2
	3H	28.2	29.5	28.6	29.9	30.3	36.0	37.2	36.4	37.6	38.0
	4H	28.2	29.4	28.7	29.8	30.2	38.2	39.3	38.6	39.7	40.1
	6H	28.2	29.3	28.7	29.7	30.1	39.5	40.5	39.9	40.9	41.3
	8H	28.3	29.2	28.7	29.6	30.1	39.6	40.6	40.1	41.0	41.5
	12H	28.2	29.1	28.7	29.6	30.0	39.7	40.5	40.2	41.0	41.5
8H	4H	29.9	30.8	30.3	31.2	31.7	38.2	39.1	38.6	39.6	40.0
	6H	29.9	30.6	30.3	31.1	31.6	39.7	40.5	40.2	40.9	41.4
	8H	29.8	30.5	30.3	31.0	31.5	40.0	40.7	40.5	41.2	41.6
	12H	29.8	30.5	30.3	31.0	31.5	40.1	40.7	40.6	41.2	41.8
12H	4H	30.8	31.6	31.2	32.1	32.5	38.2	39.0	38.6	39.5	39.9
	6H	30.8	31.5	31.3	31.9	32.5	39.7	40.4	40.2	40.8	41.4
	8H	30.7	31.4	31.2	31.9	32.4	40.0	40.6	40.5	41.1	41.6

Maximum UGR = 41.8

POLAR GRAPH



Maximum Candela = 9353.66 Located At Horizontal Angle = 270, Vertical Angle = 68
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)