

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-28000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50024E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-10-29
[ISSUEDATE] 2022-11-23 21:07:17
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT5HV-28000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28731
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	202.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.54
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	132090	120094	106080
55	137353	121606	111000
65	104796	110597	114641
75	33243	35004	57417
85	7436	8400	9201

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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	8556.98	8556.98	8556.98	8556.98	8556.98	8556.98	8556.98	8556.98	8556.98	8556.98
1	8591.63	8583.00	8570.57	8557.01	8534.28	8529.37	8521.32	8518.32	8521.09	8528.74
2	8625.46	8608.62	8583.80	8555.10	8524.88	8499.79	8484.18	8479.46	8484.34	8500.79
3	8659.43	8633.99	8595.75	8551.19	8506.28	8469.35	8443.54	8446.04	8447.63	8471.67
4	8691.23	8657.77	8605.43	8546.48	8485.87	8432.89	8401.36	8405.96	8411.24	8442.62
5	8722.32	8680.46	8613.59	8539.77	8464.92	8407.56	8363.60	8359.42	8375.21	8413.58
6	8752.92	8701.34	8620.63	8531.65	8442.81	8375.36	8325.90	8320.59	8340.23	8385.03
7	8783.02	8721.89	8626.42	8522.49	8419.33	8335.79	8292.10	8282.07	8304.74	8356.00
8	8811.82	8740.69	8630.23	8511.92	8394.57	8310.87	8251.26	8244.64	8270.62	8327.99
9	8841.70	8757.63	8633.03	8499.78	8368.74	8277.08	8213.41	8207.34	8237.13	8299.66
10	8870.30	8774.84	8633.94	8485.97	8343.04	8243.10	8176.94	8176.59	8203.75	8271.01
11	8897.51	8788.77	8633.32	8469.77	8314.80	8209.73	8140.42	8134.59	8171.65	8243.97
12	8922.41	8801.51	8630.94	8453.13	8285.80	8175.06	8105.12	8098.83	8140.49	8215.74
13	8945.85	8811.81	8627.11	8434.60	8254.85	8139.71	8070.32	8063.81	8109.25	8186.87
14	8966.19	8821.26	8620.37	8414.01	8222.25	8102.87	8037.15	8028.06	8077.77	8158.84
15	8983.36	8828.21	8611.62	8390.08	8187.77	8064.24	7996.48	7993.01	8045.91	8131.36
16	8997.06	8832.31	8600.18	8365.45	8151.59	8024.81	7956.50	7963.49	8014.15	8104.20
17	9008.90	8834.25	8587.65	8337.85	8112.61	7983.49	7918.34	7920.85	7982.77	8076.03
18	9017.21	8831.27	8569.85	8307.24	8072.85	7941.10	7884.07	7885.91	7951.62	8049.01
19	9022.31	8825.74	8549.61	8273.46	8030.99	7896.49	7841.81	7848.65	7920.80	8019.47
20	9022.10	8816.08	8523.35	8235.88	7987.68	7849.68	7797.90	7810.57	7890.85	7990.44
21	9017.22	8801.33	8494.21	8196.17	7941.09	7800.68	7752.34	7772.33	7858.93	7961.73
22	9008.61	8780.47	8460.67	8152.91	7893.57	7750.48	7698.01	7732.00	7826.59	7931.62
23	8994.35	8756.14	8421.38	8106.66	7842.69	7697.46	7655.35	7695.16	7791.96	7900.24
24	8973.56	8728.42	8380.84	8057.36	7790.19	7642.68	7599.76	7645.49	7757.09	7867.34
25	8948.17	8696.23	8338.17	8006.22	7729.36	7587.58	7547.98	7600.33	7721.57	7834.47
26	8918.01	8662.11	8295.65	7953.65	7679.92	7526.66	7499.26	7551.58	7682.93	7798.30
27	8885.37	8626.26	8248.92	7898.47	7621.75	7470.54	7448.37	7502.65	7644.38	7758.58
28	8849.38	8587.89	8203.07	7842.35	7562.27	7416.44	7397.51	7454.55	7602.95	7717.80
29	8811.10	8547.35	8153.44	7783.32	7499.44	7357.00	7346.77	7405.31	7560.72	7676.87
30	8772.16	8505.91	8102.26	7722.82	7434.43	7298.53	7295.92	7356.10	7517.45	7631.97
31	8731.61	8462.68	8050.65	7661.95	7369.88	7239.34	7239.38	7307.42	7473.37	7587.27
32	8688.45	8419.25	7998.13	7599.16	7301.64	7178.62	7194.07	7260.53	7431.87	7541.06
33	8641.22	8374.09	7943.71	7532.60	7234.24	7117.33	7137.22	7213.48	7388.70	7494.03
34	8590.73	8325.90	7887.53	7465.75	7161.82	7054.92	7088.32	7168.60	7344.71	7447.56
35	8538.25	8275.25	7831.86	7397.33	7089.31	6990.57	7035.02	7122.14	7299.44	7401.40
36	8481.76	8219.09	7774.92	7328.82	7012.28	6919.56	6973.21	7079.97	7252.62	7352.53
37	8423.87	8160.73	7717.65	7258.74	6937.31	6858.39	6922.15	7025.29	7206.46	7305.14
38	8361.58	8098.02	7657.30	7188.16	6865.76	6790.30	6861.59	6974.88	7157.14	7257.41
39	8295.90	8031.27	7593.41	7113.87	6790.43	6719.69	6801.68	6923.19	7107.46	7209.81
40	8229.86	7964.15	7527.66	7039.80	6712.08	6649.05	6737.89	6869.65	7056.30	7162.17
41	8158.85	7894.04	7457.42	6963.52	6635.42	6577.26	6669.89	6814.86	7005.44	7113.58
42	8084.51	7822.48	7382.93	6886.94	6553.51	6501.97	6608.80	6758.69	6951.45	7062.43
43	8007.47	7745.73	7304.17	6808.58	6471.30	6423.63	6543.05	6699.81	6894.92	7011.75
44	7928.91	7668.06	7221.38	6729.49	6389.37	6345.75	6473.17	6641.64	6837.03	6959.14
45	7849.08	7587.61	7136.24	6647.42	6303.51	6268.71	6399.38	6579.08	6774.20	6903.59
46	7764.33	7502.84	7043.15	6562.29	6219.09	6188.13	6330.87	6515.91	6710.09	6845.42
47	7679.84	7413.00	6945.47	6474.70	6129.80	6105.32	6254.14	6452.76	6639.89	6786.36
48	7589.18	7315.89	6838.48	6381.55	6041.60	6020.85	6178.54	6376.34	6569.19	6725.42
49	7492.93	7214.16	6721.69	6283.07	5952.29	5932.51	6098.46	6303.47	6494.74	6662.02
50	7388.49	7107.96	6601.81	6180.00	5860.90	5842.13	6017.75	6228.72	6416.15	6596.89
51	7267.31	6991.22	6471.62	6071.16	5766.79	5749.76	5933.42	6152.23	6334.36	6528.90
52	7135.34	6863.85	6332.66	5955.59	5668.75	5649.51	5837.00	6070.01	6245.26	6458.33
53	6982.83	6719.51	6184.92	5835.04	5566.57	5556.85	5738.52	5983.71	6146.71	6383.14

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54	6811.65	6560.22	6028.50	5706.40	5459.76	5455.75	5634.42	5889.05	6028.79	6302.09
55	6620.54	6373.19	5861.50	5573.73	5350.28	5354.49	5520.33	5781.52	5896.19	6208.21
56	6416.62	6166.77	5687.26	5431.93	5239.43	5243.31	5400.52	5660.19	5758.37	6096.71
57	6200.12	5936.43	5502.94	5287.98	5125.11	5131.59	5278.03	5513.22	5621.45	5963.53
58	5971.44	5686.62	5317.41	5135.39	5007.40	5010.67	5138.77	5353.69	5495.54	5816.22
59	5726.15	5429.09	5123.33	4981.06	4884.00	4889.71	4986.82	5188.57	5387.63	5663.74
60	5466.89	5161.52	4931.10	4820.56	4759.98	4762.30	4832.88	5023.27	5293.83	5516.12
61	5177.97	4892.53	4728.82	4653.05	4629.92	4632.65	4663.38	4864.38	5214.20	5374.61
62	4847.30	4616.92	4531.77	4478.73	4496.80	4500.30	4483.42	4700.86	5138.79	5236.18
63	4496.38	4338.50	4330.59	4306.69	4362.27	4359.36	4291.00	4549.49	5054.20	5096.79
64	4111.51	4048.86	4130.99	4127.95	4220.67	4210.21	4097.96	4400.65	4947.48	4949.98
65	3721.83	3745.33	3927.85	3950.61	4071.47	4057.48	3896.09	4235.98	4800.76	4782.08
66	3340.41	3436.00	3723.22	3774.08	3891.12	3903.14	3699.37	4050.36	4602.58	4582.75
67	2982.38	3109.13	3506.61	3586.17	3676.14	3732.81	3517.25	3848.21	4350.11	4345.29
68	2659.47	2780.78	3264.30	3380.47	3429.59	3542.37	3357.20	3635.25	4058.31	4075.13
69	2359.37	2441.53	2979.36	3140.85	3138.36	3323.66	3217.54	3409.97	3736.19	3794.83
70	2068.96	2100.27	2634.32	2871.52	2819.47	3074.98	3092.41	3177.36	3393.64	3526.57
71	1761.35	1749.71	2234.05	2543.72	2461.65	2790.70	2950.41	2926.37	3029.75	3256.01
72	1437.31	1414.65	1797.59	2170.38	2096.87	2490.86	2767.76	2660.69	2642.22	2989.82
73	1144.84	1136.17	1384.65	1766.60	1731.31	2146.77	2505.05	2347.09	2251.54	2674.79
74	909.97	897.67	1039.00	1377.04	1490.07	1773.50	2138.08	1987.07	1884.76	2314.40
75	723.04	720.74	761.34	1048.30	1248.83	1424.53	1704.62	1628.78	1573.13	1904.60
76	589.88	598.87	615.14	827.39	1008.60	1077.72	1271.15	1270.49	1261.49	1539.73
77	457.51	477.78	471.61	652.10	831.01	845.24	838.03	916.11	953.46	1174.86
78	325.14	356.70	328.08	530.92	642.74	669.62	551.52	679.22	763.37	811.65
79	238.29	261.08	256.45	410.66	449.98	536.90	398.62	518.44	603.91	601.19
80	181.58	197.81	207.72	290.39	270.61	421.74	311.33	403.94	442.71	448.70
81	148.44	158.62	175.08	225.79	217.80	326.61	250.28	305.59	290.43	308.47
82	119.93	127.90	146.54	176.45	164.98	264.40	208.48	230.22	205.60	221.93
83	98.81	98.50	116.32	137.70	113.21	220.19	176.68	190.62	163.19	181.55
84	76.45	71.07	87.69	103.04	91.06	178.91	149.31	151.01	120.92	141.16
85	54.46	51.15	61.52	72.61	67.39	137.62	121.94	111.30	87.39	100.80
86	32.48	31.45	40.27	52.37	48.92	96.34	94.22	67.24	47.62	61.40
87	10.50	11.76	19.16	32.40	36.83	57.49	57.40	45.26	31.73	41.52
88	7.54	8.45	6.12	12.42	24.75	38.45	38.43	23.28	15.84	21.64
89	4.75	5.24	3.98	8.82	12.66	19.42	19.45	1.91	0.47	1.80
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 : MPLSEL40HTT5HV-28000LM3K.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	8556.98	8556.98	8556.98	8556.98	8556.98	8556.98	8556.98
1	8541.01	8555.69	8571.66	8583.41	8591.83	8594.19	8591.63
2	8523.91	8552.82	8583.67	8607.98	8624.59	8630.93	8625.46
3	8506.42	8549.02	8593.61	8622.41	8655.44	8665.85	8659.43
4	8488.17	8542.75	8601.59	8641.59	8677.52	8700.09	8691.23
5	8469.02	8534.76	8607.59	8667.90	8706.00	8732.74	8722.32
6	8449.10	8524.99	8611.80	8686.14	8733.66	8768.12	8752.92
7	8428.03	8513.18	8614.18	8701.80	8760.21	8798.27	8783.02
8	8407.67	8500.27	8614.24	8715.35	8786.46	8830.44	8811.82
9	8385.79	8486.28	8612.77	8727.11	8816.87	8862.05	8841.70
10	8363.44	8470.64	8610.12	8737.01	8830.30	8891.23	8870.30
11	8341.22	8454.98	8607.09	8737.48	8847.16	8917.28	8897.51
12	8318.69	8438.16	8601.67	8750.21	8866.88	8939.60	8922.41
13	8295.36	8421.62	8595.29	8754.33	8885.83	8959.86	8945.85
14	8273.60	8404.39	8588.05	8755.51	8897.09	8979.04	8966.19
15	8250.85	8386.63	8578.01	8748.16	8905.77	8995.34	8983.36
16	8227.26	8368.17	8566.45	8741.21	8911.89	9009.01	8997.06
17	8203.57	8349.56	8550.72	8741.39	8908.03	9019.39	9008.90
18	8179.44	8329.79	8533.77	8732.61	8912.48	9034.28	9017.21
19	8154.20	8307.44	8513.95	8720.52	8913.64	9040.38	9022.31
20	8128.90	8283.88	8493.03	8704.43	8900.16	9041.69	9022.10
21	8102.20	8259.12	8462.48	8679.10	8897.40	9033.43	9017.22
22	8074.67	8233.73	8442.29	8659.12	8882.48	9024.73	9008.61
23	8044.82	8206.07	8415.87	8642.02	8863.60	9013.82	8994.35
24	8013.79	8177.47	8386.92	8615.95	8838.01	8997.14	8973.56
25	7979.71	8146.93	8355.24	8584.84	8806.36	8974.16	8948.17
26	7942.07	8114.12	8321.54	8551.93	8776.73	8948.58	8918.01
27	7902.15	8078.83	8285.80	8514.03	8742.60	8917.95	8885.37
28	7861.40	8042.55	8249.34	8474.24	8704.89	8884.76	8849.38
29	7818.11	8004.58	8211.47	8427.30	8666.92	8848.01	8811.10
30	7774.18	7964.98	8174.15	8388.61	8633.91	8809.09	8772.16
31	7727.24	7923.19	8134.35	8339.17	8592.71	8768.52	8731.61
32	7677.80	7878.23	8091.52	8288.38	8546.23	8727.60	8688.45
33	7630.35	7829.95	8038.34	8235.90	8498.09	8683.31	8641.22
34	7581.32	7780.17	7980.66	8178.21	8451.82	8635.62	8590.73
35	7534.16	7726.64	7919.94	8116.56	8401.77	8585.85	8538.25
36	7487.68	7667.07	7857.46	8061.18	8357.73	8532.74	8481.76

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	7441.69	7604.69	7794.01	7992.92	8299.31	8485.12	8423.87
38	7389.20	7543.12	7728.17	7934.29	8248.87	8418.67	8361.58
39	7334.86	7482.28	7661.57	7869.50	8190.00	8355.51	8295.90
40	7278.02	7420.02	7593.12	7804.43	8122.31	8289.69	8229.86
41	7220.79	7357.76	7523.44	7730.68	8056.39	8220.18	8158.85
42	7162.42	7292.10	7450.99	7662.58	7989.18	8148.86	8084.51
43	7103.76	7226.26	7376.76	7591.18	7924.74	8072.88	8007.47
44	7045.76	7158.02	7299.49	7507.95	7844.54	7992.17	7928.91
45	6986.61	7087.29	7221.34	7436.98	7764.71	7908.47	7849.08
46	6927.12	7015.44	7138.74	7352.46	7686.36	7818.26	7764.33
47	6865.91	6941.32	7056.64	7259.66	7597.99	7727.19	7679.84
48	6803.31	6864.54	6969.00	7172.33	7494.47	7629.38	7589.18
49	6737.81	6784.74	6880.16	7073.14	7390.51	7526.53	7492.93
50	6673.55	6703.69	6784.19	6974.41	7287.86	7420.05	7388.49
51	6603.61	6618.15	6694.22	6865.20	7165.23	7303.71	7267.31
52	6532.06	6528.99	6594.78	6745.74	7041.32	7176.95	7135.34
53	6457.56	6434.19	6490.37	6632.08	6917.23	7034.35	6982.83
54	6379.60	6335.81	6383.30	6508.60	6778.44	6877.59	6811.65
55	6295.52	6231.48	6271.38	6374.52	6626.50	6700.45	6620.54
56	6205.38	6125.60	6157.18	6244.06	6476.76	6499.84	6416.62
57	6104.86	6017.34	6037.92	6111.65	6308.58	6285.24	6200.12
58	5994.02	5905.15	5917.23	5973.97	6131.01	6056.08	5971.44
59	5872.45	5789.61	5791.10	5835.28	5943.22	5813.93	5726.15
60	5739.01	5668.59	5658.37	5684.84	5743.18	5568.90	5466.89
61	5583.26	5542.23	5526.24	5525.73	5530.44	5318.79	5177.97
62	5403.39	5406.08	5389.36	5354.34	5302.50	5062.59	4847.30
63	5198.35	5262.65	5250.80	5171.26	5070.55	4801.87	4496.38
64	4967.42	5101.08	5114.84	4983.18	4825.07	4519.29	4111.51
65	4716.60	4930.11	4978.75	4787.97	4581.86	4218.95	3721.83
66	4451.92	4752.07	4846.29	4596.10	4353.02	3900.46	3340.41
67	4199.88	4570.44	4706.84	4405.58	4127.53	3569.63	2982.38
68	3960.44	4381.33	4547.48	4200.77	3919.45	3246.95	2659.47
69	3755.92	4174.08	4363.02	3983.92	3712.26	2920.99	2359.37
70	3580.60	3954.58	4151.10	3763.85	3486.96	2595.87	2068.96
71	3428.14	3722.80	3917.47	3534.87	3224.77	2241.87	1761.35
72	3277.07	3489.87	3641.71	3296.58	2894.89	1880.93	1437.31
73	3119.22	3241.47	3320.10	3030.52	2469.66	1527.22	1144.84
74	2884.50	2967.45	2904.55	2713.02	1981.52	1195.44	909.97
75	2504.67	2630.95	2389.91	2270.89	1460.11	915.78	723.04
76	2010.10	2185.80	1897.84	1740.65	1022.89	707.63	589.88
77	1547.80	1743.94	1545.51	1247.32	712.65	579.47	457.51
78	1085.51	1302.08	1280.13	924.74	573.11	453.60	325.14
79	625.92	863.13	1014.54	690.75	436.45	327.72	238.29
80	411.66	633.75	683.98	539.71	299.78	236.80	181.58
81	304.03	439.11	508.18	389.57	229.14	177.60	148.44
82	230.49	294.06	334.06	239.43	170.84	139.33	119.93
83	188.56	217.04	159.93	171.34	134.76	108.38	98.81
84	146.62	176.12	116.91	128.29	107.61	80.57	76.45
85	105.10	135.21	86.98	88.67	80.78	58.07	54.46
86	78.88	94.53	64.81	59.04	56.47	35.73	32.48
87	49.27	61.90	45.88	37.90	32.16	13.39	10.50
88	32.97	41.44	26.99	16.83	7.85	9.48	7.54
89	16.66	20.98	8.09	3.74	4.54	5.68	4.75
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-28000LM3K.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-28000LM3K.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-28000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3203.33	N.A.	11.10
0-30	6979.24	N.A.	24.30
0-40	11807.21	N.A.	41.10
0-60	22647.05	N.A.	78.80
0-80	28605.3	N.A.	99.60
0-90	28731.39	N.A.	100.00
10-90	27917.22	N.A.	97.20
20-40	8603.87	N.A.	29.90
20-50	14048.18	N.A.	48.90
40-70	15090.13	N.A.	52.50
60-80	5958.25	N.A.	20.70
70-80	1707.97	N.A.	5.90
80-90	126.08	N.A.	0.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	28731.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	814.17
10-20	2389.17
20-30	3775.91
30-40	4827.97
40-50	5444.31
50-60	5395.54
60-70	4250.28
70-80	1707.97
80-90	126.08
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-28000LM3K.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	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
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

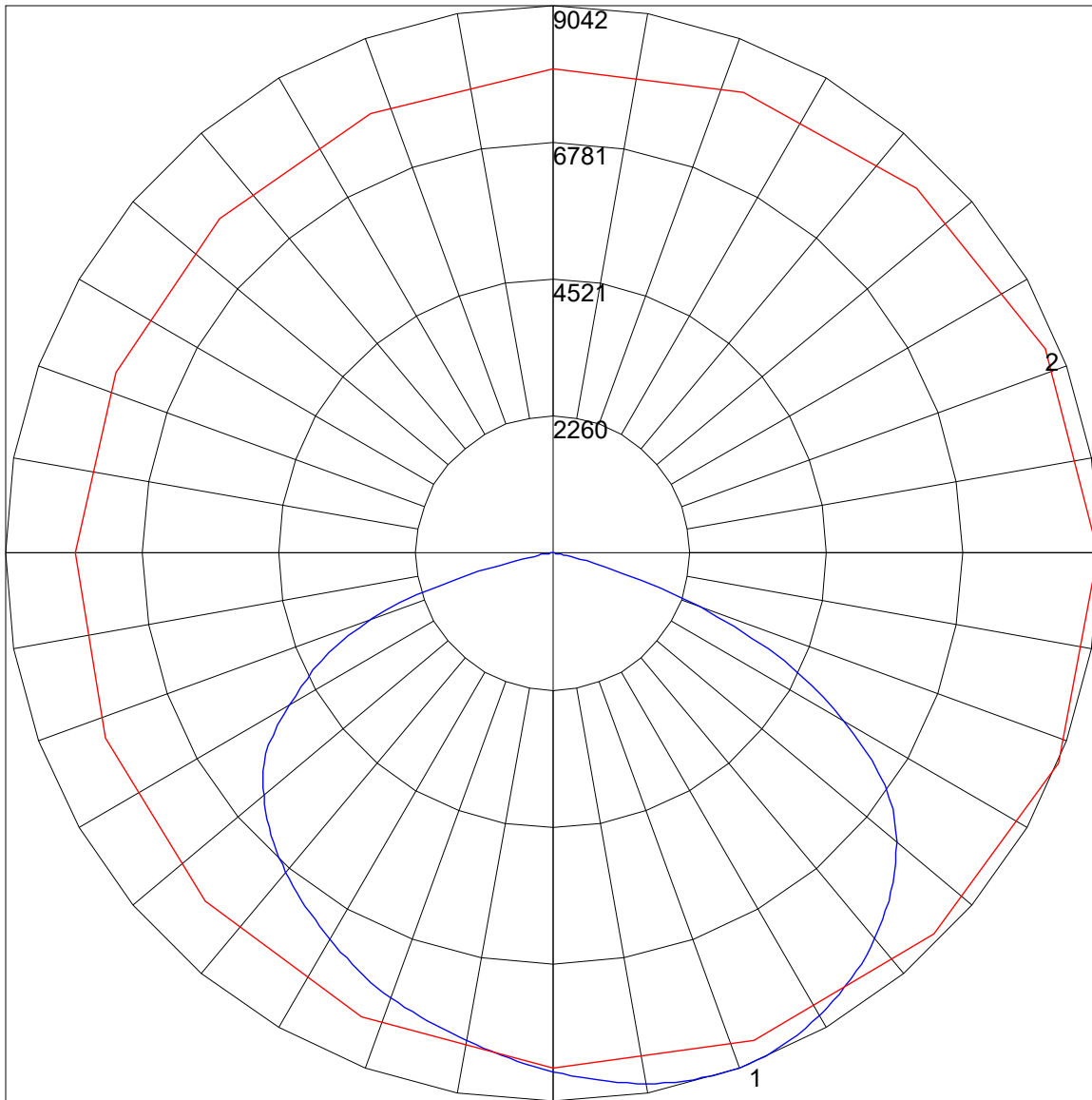
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-28000LM3K.IES

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	29.9	31.6	30.3	31.9	32.3	28.9	30.5	29.2	30.9	31.2
	3H	30.9	32.5	31.3	32.8	33.2	30.8	32.3	31.2	32.6	33.0
	4H	31.0	32.5	31.4	32.8	33.2	31.1	32.5	31.5	32.8	33.2
	6H	31.0	32.3	31.4	32.7	33.1	31.1	32.4	31.5	32.8	33.2
	8H	31.0	32.2	31.4	32.6	33.0	31.1	32.4	31.5	32.7	33.1
	12H	31.0	32.2	31.4	32.5	33.0	31.1	32.3	31.5	32.7	33.1
4H	2H	30.5	32.0	30.9	32.3	32.7	29.6	31.0	30.0	31.3	31.7
	3H	31.7	32.9	32.1	33.3	33.7	31.6	32.8	32.0	33.2	33.6
	4H	31.8	32.9	32.2	33.3	33.7	31.9	33.0	32.4	33.4	33.9
	6H	31.8	32.7	32.3	33.2	33.6	32.0	32.9	32.5	33.4	33.8
	8H	31.8	32.7	32.2	33.1	33.6	32.0	32.9	32.4	33.3	33.8
	12H	31.8	32.5	32.2	33.0	33.5	32.0	32.8	32.4	33.2	33.7
8H	4H	31.9	32.8	32.4	33.3	33.7	32.0	32.9	32.5	33.4	33.8
	6H	31.9	32.6	32.4	33.1	33.6	32.1	32.8	32.6	33.3	33.8
	8H	31.9	32.5	32.4	33.0	33.5	32.1	32.7	32.6	33.2	33.7
	12H	31.9	32.5	32.4	32.9	33.5	32.1	32.7	32.6	33.1	33.7
12H	4H	31.9	32.7	32.4	33.2	33.6	32.0	32.8	32.5	33.3	33.8
	6H	31.9	32.6	32.4	33.0	33.6	32.1	32.7	32.6	33.2	33.7
	8H	31.9	32.5	32.4	32.9	33.5	32.1	32.7	32.6	33.1	33.7

Maximum UGR = 33.9

POLAR GRAPH



Maximum Candela = 9041.69 Located At Horizontal Angle = 337.5, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)