

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5-28000LM3K.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 16:07:26
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT5-28000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	29447
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	203.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
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	136627	125573	110490
55	145826	128619	115557
65	119022	118360	117877
75	40742	44538	59426
85	9581	10792	9581

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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	8745.67	8745.67	8745.67	8745.67	8745.67	8745.67	8745.67	8745.67	8745.67	8745.67
1	8780.27	8777.45	8766.39	8750.03	8737.10	8725.25	8713.37	8708.28	8710.34	8718.18
2	8814.83	8804.41	8783.42	8755.35	8724.13	8700.40	8679.60	8670.20	8675.05	8687.97
3	8845.83	8831.02	8798.66	8756.28	8710.08	8673.32	8649.02	8633.87	8640.94	8657.33
4	8879.12	8857.62	8811.54	8756.09	8696.71	8652.20	8617.92	8599.73	8607.02	8630.42
5	8912.73	8883.43	8826.73	8755.43	8680.54	8624.31	8584.65	8564.88	8571.47	8601.43
6	8943.35	8908.16	8837.14	8751.99	8665.70	8597.19	8552.47	8526.60	8535.03	8575.78
7	8973.12	8929.54	8848.10	8748.18	8648.48	8573.13	8516.54	8490.63	8500.25	8544.33
8	9000.91	8952.46	8853.13	8743.86	8628.04	8544.90	8485.93	8458.33	8470.55	8514.01
9	9026.03	8971.51	8862.15	8736.14	8610.74	8515.25	8450.89	8423.75	8440.62	8486.49
10	9054.71	8990.33	8869.44	8727.00	8586.58	8487.71	8418.20	8391.22	8409.80	8455.46
11	9082.95	9007.17	8870.44	8716.65	8561.87	8455.95	8386.20	8356.15	8373.77	8429.95
12	9106.51	9022.47	8872.81	8705.95	8537.82	8425.41	8354.37	8321.53	8344.21	8401.04
13	9131.01	9037.72	8874.18	8692.01	8512.31	8391.48	8324.44	8289.88	8313.90	8372.10
14	9154.61	9052.36	8870.92	8673.55	8481.89	8357.79	8285.01	8252.83	8285.20	8346.25
15	9174.69	9060.74	8869.81	8655.42	8449.36	8324.40	8247.63	8222.12	8253.57	8315.27
16	9193.03	9066.45	8864.39	8631.88	8415.89	8288.63	8211.46	8187.30	8223.04	8287.18
17	9205.85	9070.85	8852.06	8608.35	8383.07	8248.66	8174.03	8150.50	8194.06	8259.20
18	9217.26	9076.34	8843.36	8583.37	8345.04	8211.88	8134.29	8117.88	8160.20	8230.28
19	9223.18	9072.61	8825.65	8554.45	8306.37	8162.93	8093.86	8079.35	8129.73	8199.53
20	9228.08	9064.30	8804.93	8520.52	8264.56	8117.03	8050.99	8043.20	8100.41	8173.52
21	9229.87	9052.85	8782.20	8482.26	8220.56	8070.83	8006.90	8003.24	8067.90	8138.73
22	9219.87	9038.92	8749.33	8441.76	8174.87	8019.16	7955.02	7960.52	8031.42	8107.26
23	9213.41	9017.48	8715.11	8399.48	8122.73	7965.91	7904.24	7914.67	7997.07	8073.05
24	9195.79	8992.40	8678.69	8350.91	8072.69	7914.00	7853.86	7867.14	7962.76	8040.28
25	9176.08	8964.35	8635.66	8299.29	8020.58	7859.67	7801.55	7820.58	7923.17	8005.10
26	9147.27	8932.77	8595.32	8250.03	7966.05	7798.90	7747.82	7770.68	7882.46	7964.12
27	9115.13	8897.88	8551.55	8194.58	7906.47	7744.49	7696.27	7722.22	7841.04	7925.51
28	9081.56	8863.01	8505.24	8139.43	7848.07	7685.94	7645.39	7673.34	7797.18	7881.48
29	9045.93	8822.16	8457.81	8084.33	7783.43	7625.43	7593.19	7624.00	7752.51	7839.75
30	9003.78	8780.63	8408.69	8027.10	7718.79	7567.51	7543.65	7574.91	7706.36	7796.94
31	8964.45	8741.11	8359.09	7964.82	7653.60	7506.33	7493.83	7524.87	7663.66	7755.51
32	8923.57	8696.25	8307.50	7900.21	7586.05	7444.02	7441.40	7477.71	7620.26	7704.73
33	8877.39	8654.83	8254.88	7834.48	7515.02	7382.26	7389.15	7430.58	7572.35	7655.71
34	8832.92	8607.73	8195.84	7768.55	7441.00	7319.16	7332.88	7383.34	7528.62	7609.02
35	8782.44	8555.72	8143.62	7700.24	7370.80	7253.94	7274.05	7333.34	7481.61	7560.86
36	8725.33	8501.47	8088.57	7631.01	7297.54	7185.75	7217.53	7282.80	7431.16	7512.33
37	8669.54	8447.67	8036.11	7560.34	7220.66	7115.70	7154.18	7231.10	7379.65	7463.41
38	8613.24	8385.23	7973.54	7491.16	7146.02	7043.23	7092.62	7178.10	7327.68	7417.19
39	8550.12	8321.33	7913.31	7417.25	7066.98	6971.10	7028.09	7119.62	7275.46	7365.94
40	8488.83	8255.18	7847.93	7343.31	6991.19	6897.63	6962.26	7064.52	7222.23	7318.25
41	8420.19	8186.46	7774.88	7265.40	6908.85	6821.96	6894.34	7005.58	7164.43	7267.41
42	8349.16	8118.86	7702.53	7188.06	6827.33	6746.55	6824.85	6946.72	7104.98	7213.80
43	8275.96	8045.79	7627.43	7106.88	6740.32	6665.53	6753.98	6883.89	7044.98	7158.03
44	8197.77	7968.25	7546.66	7028.61	6655.64	6584.72	6683.43	6820.16	6982.31	7103.94
45	8118.65	7890.69	7461.84	6944.36	6565.53	6499.23	6607.65	6754.17	6909.70	7043.39
46	8036.41	7807.60	7369.73	6860.87	6481.92	6414.56	6531.87	6687.54	6840.07	6981.57
47	7953.77	7721.33	7273.78	6770.17	6389.92	6326.82	6453.46	6613.03	6765.96	6917.14
48	7867.25	7625.99	7171.80	6675.39	6295.37	6238.76	6368.65	6538.07	6686.59	6853.35
49	7779.00	7529.70	7056.67	6576.57	6200.47	6142.62	6283.92	6461.62	6598.07	6784.28
50	7685.81	7431.11	6937.00	6470.76	6106.48	6047.54	6191.62	6379.69	6511.95	6712.35
51	7584.34	7318.13	6808.41	6358.30	6010.06	5948.94	6095.01	6294.58	6414.89	6633.82
52	7474.74	7199.03	6673.06	6240.19	5907.12	5848.52	5992.10	6200.92	6306.39	6552.40
53	7347.28	7071.18	6525.75	6115.29	5797.68	5746.38	5882.63	6100.98	6190.77	6458.61

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54	7201.69	6929.45	6369.55	5984.43	5685.07	5637.63	5762.97	5984.68	6060.36	6354.04
55	7028.96	6767.59	6199.56	5848.46	5569.97	5523.33	5636.91	5853.65	5926.29	6233.91
56	6835.65	6577.35	6024.94	5701.11	5448.68	5406.46	5503.12	5710.96	5792.88	6105.44
57	6619.41	6359.00	5838.38	5554.01	5328.84	5282.55	5362.01	5549.42	5670.43	5967.41
58	6388.01	6116.50	5649.12	5394.93	5202.26	5154.04	5204.61	5383.26	5559.38	5823.47
59	6143.95	5857.84	5451.55	5235.70	5071.55	5021.71	5043.45	5205.75	5463.27	5683.49
60	5886.95	5576.30	5249.45	5067.69	4935.32	4884.69	4866.21	5035.64	5375.92	5546.62
61	5617.46	5289.51	5043.84	4894.69	4794.72	4747.12	4686.36	4858.81	5285.46	5406.81
62	5315.34	5004.89	4837.43	4711.56	4646.46	4596.47	4494.74	4690.87	5188.88	5265.87
63	4994.10	4721.91	4628.43	4524.78	4501.98	4448.67	4299.75	4527.20	5062.41	5108.55
64	4625.07	4439.87	4416.74	4334.23	4348.40	4291.41	4103.49	4347.87	4897.27	4924.42
65	4227.07	4137.92	4203.57	4146.92	4186.39	4129.02	3903.05	4155.64	4681.88	4716.81
66	3812.61	3824.20	3989.81	3959.92	3992.23	3956.48	3717.01	3947.79	4422.42	4472.69
67	3398.18	3492.40	3768.11	3768.54	3765.72	3772.76	3539.68	3729.51	4124.30	4202.84
68	3025.42	3150.01	3532.28	3566.50	3502.48	3560.58	3379.05	3501.88	3796.50	3911.53
69	2687.58	2808.93	3271.33	3324.68	3201.28	3318.61	3233.95	3264.27	3440.99	3622.03
70	2380.77	2457.04	2951.34	3053.35	2874.84	3040.96	3080.93	3010.52	3070.67	3332.70
71	2063.78	2100.42	2568.37	2737.53	2514.35	2735.09	2891.31	2737.74	2678.69	3024.93
72	1742.15	1739.06	2133.87	2370.23	2156.03	2406.65	2641.34	2421.56	2290.68	2687.82
73	1426.06	1404.82	1697.57	1968.25	1792.31	2044.46	2297.28	2063.66	1909.66	2301.14
74	1132.74	1105.49	1296.10	1565.63	1542.41	1709.16	1873.84	1704.49	1594.76	1889.59
75	886.13	874.29	968.70	1197.98	1292.51	1373.85	1438.85	1345.33	1279.85	1530.97
76	711.55	693.87	710.95	925.75	1042.75	1041.64	1006.81	989.03	965.20	1172.35
77	578.00	576.75	575.16	727.05	854.88	822.21	665.36	727.68	771.08	815.81
78	444.93	460.38	440.77	593.56	663.94	650.01	456.84	541.14	607.63	614.90
79	311.86	344.00	306.39	460.26	469.08	515.89	341.06	416.00	443.76	455.50
80	221.20	251.89	240.76	326.97	289.11	396.27	270.63	314.93	293.83	315.94
81	175.48	188.47	198.46	250.65	230.91	303.58	219.35	231.73	204.88	223.32
82	143.23	151.30	167.83	195.55	172.71	244.55	181.61	194.24	163.23	183.18
83	115.71	121.39	138.26	151.02	115.15	199.57	156.44	156.76	121.74	143.04
84	96.01	91.86	108.02	114.79	93.93	156.61	131.26	119.42	93.73	103.05
85	70.17	65.42	79.04	80.24	70.17	113.69	106.02	86.29	57.70	67.20
86	49.18	46.45	57.10	59.29	50.69	75.18	74.01	64.81	38.58	45.26
87	28.24	27.59	35.27	38.50	33.87	56.44	49.73	43.33	19.46	23.33
88	7.31	8.73	13.44	17.71	22.72	37.70	25.46	21.84	0.49	1.67
89	4.47	6.42	9.60	5.60	11.57	18.96	1.56	0.71	0.52	0.60
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 : MPLSEL40HTT5-28000LM3K.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	8745.67	8745.67	8745.67	8745.67	8745.67	8745.67	8745.67
1	8724.17	8739.65	8755.26	8767.27	8777.68	8778.25	8780.27
2	8705.15	8733.40	8760.52	8787.23	8805.83	8813.98	8814.83
3	8687.40	8726.04	8765.94	8806.51	8833.27	8847.02	8845.83
4	8667.61	8714.89	8772.01	8819.13	8860.07	8877.47	8879.12
5	8646.46	8701.88	8773.17	8833.50	8881.38	8912.14	8912.73
6	8624.32	8691.03	8772.75	8846.11	8906.75	8940.13	8943.35
7	8600.32	8676.31	8770.33	8854.25	8926.81	8967.80	8973.12
8	8577.74	8658.89	8763.85	8858.83	8945.71	8993.40	9000.91
9	8556.50	8639.62	8751.91	8865.05	8963.47	9022.99	9026.03
10	8533.15	8622.24	8742.46	8869.88	8980.42	9048.50	9054.71
11	8511.66	8600.86	8729.97	8870.41	8993.90	9073.87	9082.95
12	8484.63	8581.25	8723.04	8869.56	9006.21	9093.94	9106.51
13	8462.53	8562.09	8710.26	8869.32	9016.33	9117.12	9131.01
14	8436.61	8542.66	8698.45	8868.00	9026.45	9130.83	9154.61
15	8410.80	8523.32	8682.93	8863.20	9030.47	9147.37	9174.69
16	8385.83	8498.46	8669.75	8855.33	9032.89	9160.48	9193.03
17	8360.62	8474.91	8653.83	8847.26	9036.03	9170.22	9205.85
18	8336.96	8450.34	8633.71	8833.48	9036.26	9178.04	9217.26
19	8309.87	8425.75	8610.54	8822.74	9034.97	9181.27	9223.18
20	8284.30	8399.65	8585.93	8804.14	9029.71	9188.94	9228.08
21	8258.14	8369.34	8562.72	8782.57	9020.92	9187.75	9229.87
22	8226.90	8340.80	8536.21	8761.79	9005.33	9187.07	9219.87
23	8193.94	8313.98	8507.23	8734.63	8986.77	9175.91	9213.41
24	8156.64	8282.35	8478.19	8710.58	8963.02	9160.45	9195.79
25	8118.07	8252.91	8442.18	8679.81	8941.21	9142.99	9176.08
26	8078.21	8215.53	8408.20	8647.80	8912.81	9119.51	9147.27
27	8034.91	8178.09	8370.49	8612.36	8874.34	9095.94	9115.13
28	7992.38	8136.23	8334.95	8575.75	8838.90	9060.92	9081.56
29	7947.94	8099.69	8296.59	8532.69	8800.54	9030.15	9045.93
30	7901.53	8058.30	8259.94	8489.53	8758.57	8990.89	9003.78
31	7850.80	8015.78	8223.78	8446.21	8717.79	8950.44	8964.45
32	7796.98	7967.97	8181.80	8398.64	8677.29	8909.19	8923.57
33	7749.49	7918.05	8131.84	8348.71	8631.29	8867.53	8877.39
34	7699.49	7873.18	8071.47	8291.30	8587.14	8821.52	8832.92
35	7649.67	7819.90	8009.88	8232.93	8540.36	8776.95	8782.44
36	7599.26	7759.09	7950.37	8169.55	8491.07	8727.90	8725.33

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	7551.17	7698.10	7890.60	8105.85	8440.83	8674.53	8669.54
38	7502.44	7637.12	7826.25	8047.56	8386.99	8617.72	8613.24
39	7449.66	7573.12	7760.03	7981.88	8332.79	8558.23	8550.12
40	7393.20	7512.14	7693.73	7917.56	8274.24	8498.46	8488.83
41	7336.84	7450.79	7624.68	7850.67	8215.16	8431.52	8420.19
42	7280.68	7387.06	7550.34	7785.83	8153.52	8365.90	8349.16
43	7223.81	7319.62	7473.58	7713.45	8084.43	8293.69	8275.96
44	7166.38	7255.95	7399.07	7639.04	8012.23	8217.76	8197.77
45	7105.43	7183.54	7324.78	7562.57	7941.30	8140.95	8118.65
46	7044.88	7109.00	7244.49	7478.75	7860.41	8058.06	8036.41
47	6983.36	7034.35	7161.56	7394.09	7776.64	7971.75	7953.77
48	6920.76	6955.66	7076.21	7304.21	7684.67	7878.46	7867.25
49	6854.13	6873.79	6987.09	7208.26	7585.70	7777.71	7779.00
50	6788.10	6795.03	6901.46	7112.19	7483.61	7676.78	7685.81
51	6718.89	6709.21	6805.67	7007.18	7375.21	7564.26	7584.34
52	6642.96	6619.52	6706.85	6897.49	7258.72	7447.81	7474.74
53	6567.93	6524.45	6604.68	6783.22	7130.84	7324.47	7347.28
54	6488.28	6425.23	6498.46	6658.82	6998.03	7189.49	7201.69
55	6395.09	6319.91	6385.31	6533.31	6855.92	7035.58	7028.96
56	6289.68	6211.21	6267.91	6401.24	6702.35	6862.52	6835.65
57	6173.93	6102.20	6148.71	6272.56	6545.00	6667.50	6619.41
58	6040.99	5987.74	6024.65	6136.36	6371.26	6448.31	6388.01
59	5894.11	5873.64	5897.75	5994.90	6188.72	6205.28	6143.95
60	5732.78	5745.45	5766.76	5848.30	5994.84	5950.76	5886.95
61	5539.66	5613.12	5634.41	5693.01	5790.82	5684.36	5617.46
62	5324.58	5465.49	5495.48	5521.24	5570.98	5414.54	5315.34
63	5088.36	5306.61	5356.79	5344.81	5343.21	5150.73	4994.10
64	4837.24	5123.84	5219.37	5161.25	5103.79	4881.67	4625.07
65	4582.91	4934.96	5085.41	4962.40	4858.33	4599.91	4227.07
66	4331.00	4728.44	4949.00	4768.70	4607.51	4297.06	3812.61
67	4092.94	4523.06	4801.15	4566.44	4354.84	3968.68	3398.18
68	3868.74	4313.43	4632.64	4349.88	4125.74	3631.77	3025.42
69	3673.14	4094.02	4436.65	4126.32	3915.50	3289.09	2687.58
70	3501.96	3869.37	4209.73	3887.97	3707.89	2945.98	2380.77
71	3344.81	3638.18	3945.01	3644.57	3476.08	2585.85	2063.78
72	3174.27	3403.01	3641.44	3389.69	3179.43	2213.57	1742.15
73	2930.20	3135.40	3271.05	3121.60	2777.69	1832.27	1426.06
74	2559.03	2807.26	2803.90	2796.57	2292.48	1453.03	1132.74
75	2056.32	2384.30	2268.04	2346.13	1734.82	1128.20	886.13
76	1586.62	1904.40	1811.36	1829.15	1233.32	859.31	711.55
77	1116.92	1424.49	1471.69	1340.26	836.40	667.77	578.00
78	654.37	950.66	1205.00	991.26	595.13	545.04	444.93
79	423.33	695.01	907.20	744.71	464.01	422.53	311.86
80	305.52	486.20	553.15	576.56	333.21	300.01	221.20
81	229.05	324.00	365.09	410.16	253.77	212.31	175.48
82	188.53	228.72	182.19	243.77	186.69	165.01	143.23
83	148.00	187.15	141.60	174.93	142.62	129.50	115.71
84	108.01	145.58	103.90	128.62	113.97	99.47	96.01
85	83.08	104.11	77.50	88.46	87.22	71.36	70.17
86	56.06	72.99	57.13	59.19	58.37	42.79	49.18
87	37.55	49.05	36.87	37.51	34.90	25.07	28.24
88	19.05	25.12	16.61	16.03	11.57	7.67	7.31
89	0.84	1.56	11.56	11.20	8.24	4.63	4.47
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 : MPLSEL40HTT5-28000LM3K.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 : MPLSEL40HTT5-28000LM3K.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 : MPLSEL40HTT5-28000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3277.37	N.A.	11.10
0-30	7146.1	N.A.	24.30
0-40	12100.27	N.A.	41.10
0-60	23265.37	N.A.	79.00
0-80	29330.83	N.A.	99.60
0-90	29446.61	N.A.	100.00
10-90	28614.00	N.A.	97.20
20-40	8822.9	N.A.	30.00
20-50	14421.77	N.A.	49.00
40-70	15540.7	N.A.	52.80
60-80	6065.46	N.A.	20.60
70-80	1689.86	N.A.	5.70
80-90	115.78	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	29446.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	832.62
10-20	2444.75
20-30	3868.74
30-40	4954.17
40-50	5598.86
50-60	5566.24
60-70	4375.6
70-80	1689.86
80-90	115.78
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 : MPLSEL40HTT5-28000LM3K.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	97	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	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 : MPLSEL40HTT5-28000LM3K.IES

UGR TABLE - CORRECTED

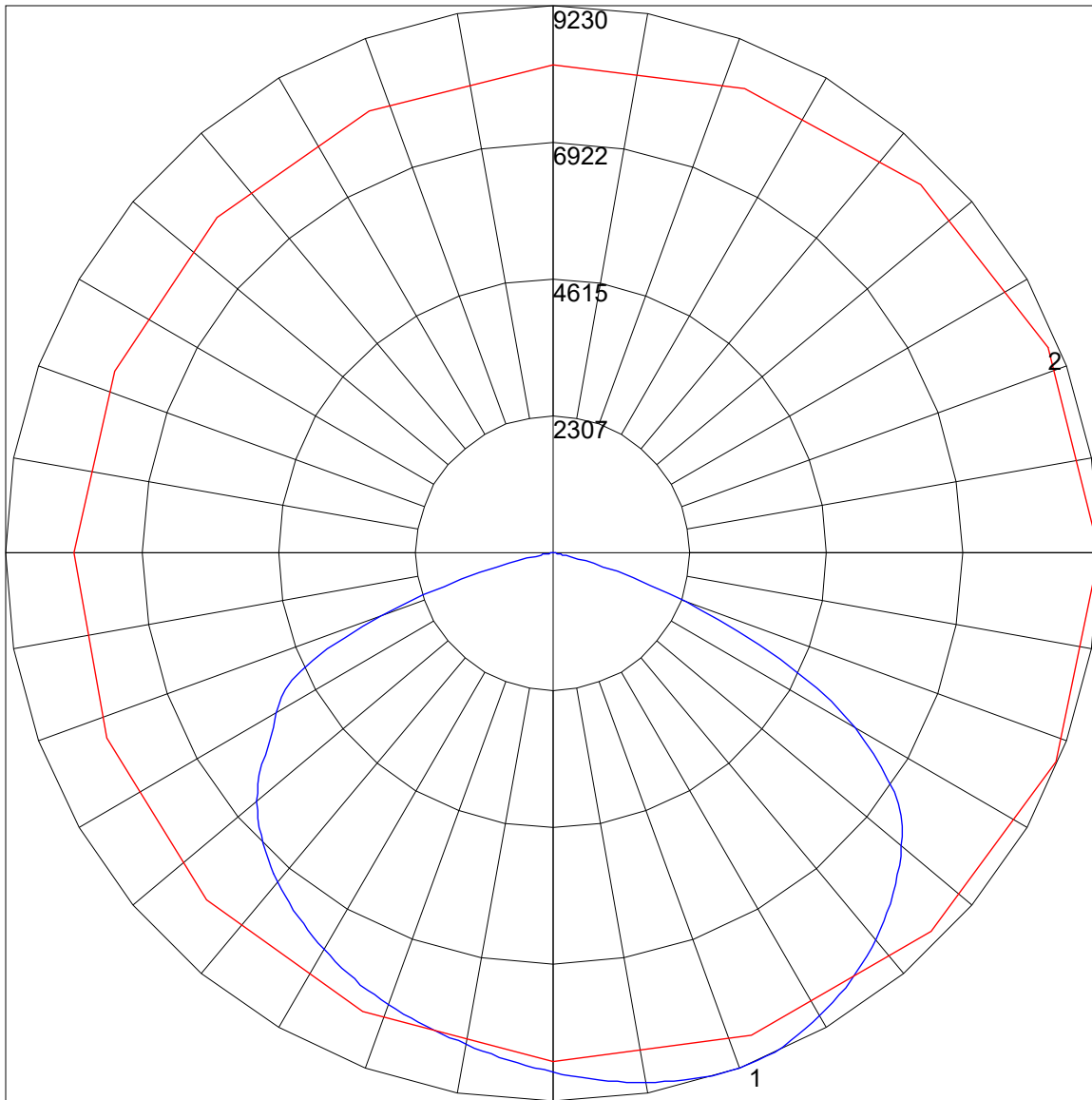
Reflectances

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	30.3	32.0	30.7	32.3	32.6	29.1	30.7	29.4	31.1	31.4
	3H	31.5	33.0	31.8	33.3	33.7	30.9	32.5	31.3	32.8	33.1
	4H	31.6	33.0	32.0	33.3	33.7	31.2	32.7	31.6	33.0	33.4
	6H	31.6	32.9	32.0	33.2	33.6	31.3	32.6	31.7	33.0	33.3
	8H	31.5	32.8	32.0	33.2	33.6	31.2	32.5	31.7	32.9	33.3
	12H	31.5	32.7	31.9	33.1	33.5	31.2	32.4	31.7	32.8	33.2
4H	2H	30.9	32.4	31.3	32.7	33.1	29.8	31.2	30.2	31.5	31.9
	3H	32.2	33.4	32.7	33.8	34.2	31.8	33.0	32.2	33.4	33.8
	4H	32.4	33.4	32.8	33.9	34.3	32.1	33.2	32.5	33.6	34.0
	6H	32.4	33.3	32.8	33.8	34.2	32.2	33.1	32.6	33.5	34.0
	8H	32.4	33.2	32.8	33.7	34.1	32.1	33.0	32.6	33.5	33.9
	12H	32.3	33.1	32.8	33.6	34.1	32.1	32.9	32.6	33.4	33.9
8H	4H	32.5	33.4	33.0	33.8	34.3	32.2	33.1	32.6	33.5	34.0
	6H	32.5	33.2	33.0	33.7	34.2	32.2	33.0	32.7	33.5	33.9
	8H	32.5	33.1	33.0	33.6	34.1	32.2	32.9	32.7	33.4	33.9
	12H	32.5	33.0	33.0	33.5	34.1	32.2	32.8	32.7	33.3	33.8
12H	4H	32.5	33.3	33.0	33.8	34.2	32.2	32.9	32.6	33.4	33.9
	6H	32.5	33.1	33.0	33.6	34.1	32.2	32.9	32.8	33.3	33.9
	8H	32.5	33.0	33.0	33.5	34.1	32.2	32.8	32.7	33.3	33.8

Maximum UGR = 34.3

POLAR GRAPH



Maximum Candela = 9229.87 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.)