

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-28000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50025E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-02
[ISSUE DATE] 2022-12-02 18:22:19
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT3HV-28000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	29907
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	202.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.60
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	87840	120153	146728
55	69765	130780	182654
65	35611	146201	253545
75	17076	40208	315503
85	12202	10762	113899

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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	8380.09	8380.09	8380.09	8380.09	8380.09	8380.09	8380.09	8380.09	8380.09	8380.09
1	8407.23	8413.19	8402.19	8393.39	8382.63	8370.79	8358.92	8350.24	8346.22	8355.79
2	8427.77	8436.19	8410.66	8407.11	8388.10	8362.96	8335.81	8315.42	8305.48	8320.56
3	8443.28	8452.64	8427.82	8421.18	8394.22	8356.54	8317.64	8276.12	8259.76	8277.36
4	8453.74	8464.63	8442.13	8433.97	8399.74	8348.43	8293.17	8234.60	8210.00	8231.14
5	8460.36	8473.59	8454.91	8445.29	8404.04	8338.97	8258.69	8188.78	8155.71	8176.93
6	8463.07	8479.15	8463.59	8454.37	8407.84	8329.10	8233.24	8140.69	8096.91	8128.84
7	8463.71	8482.33	8470.36	8463.10	8414.90	8319.08	8201.48	8088.79	8035.98	8072.34
8	8462.22	8484.13	8474.38	8473.19	8422.28	8310.43	8162.13	8035.79	7973.68	8008.96
9	8457.15	8483.72	8485.78	8484.01	8430.19	8301.45	8130.84	7980.23	7909.51	7959.82
10	8447.53	8479.91	8493.44	8495.04	8436.71	8291.44	8089.41	7920.34	7840.26	7899.18
11	8433.80	8472.21	8488.37	8505.02	8445.77	8281.77	8052.98	7859.31	7768.30	7836.88
12	8413.90	8458.76	8490.73	8516.67	8456.69	8273.09	8015.07	7795.20	7693.27	7770.61
13	8387.90	8441.61	8492.09	8529.30	8469.12	8265.22	7979.41	7729.34	7616.03	7697.70
14	8355.53	8420.08	8491.90	8543.24	8480.36	8257.37	7934.97	7660.85	7535.83	7632.32
15	8316.46	8392.40	8489.16	8555.78	8491.92	8251.72	7894.49	7591.23	7455.58	7567.79
16	8271.30	8358.64	8483.91	8567.71	8504.18	8245.59	7853.03	7518.84	7373.73	7494.66
17	8221.14	8321.94	8476.65	8579.98	8517.11	8239.67	7815.04	7443.97	7289.08	7420.31
18	8165.70	8278.29	8465.00	8591.70	8529.31	8236.61	7777.92	7369.75	7203.14	7344.52
19	8106.81	8231.17	8450.19	8601.72	8541.35	8231.99	7737.79	7288.92	7112.75	7265.02
20	8043.18	8179.29	8439.22	8610.86	8553.09	8227.13	7690.75	7209.97	7021.30	7184.28
21	7974.17	8125.56	8417.74	8619.15	8565.12	8223.61	7650.85	7127.59	6928.54	7101.10
22	7903.82	8064.75	8382.51	8625.62	8577.59	8219.36	7611.79	7046.76	6834.96	7018.03
23	7825.34	7993.95	8352.86	8630.00	8589.31	8214.77	7570.76	6963.61	6738.09	6930.32
24	7742.02	7927.10	8321.53	8632.41	8599.90	8211.79	7529.80	6879.18	6640.02	6840.71
25	7652.26	7860.65	8288.32	8633.55	8609.91	8206.97	7489.08	6793.88	6541.72	6753.59
26	7556.66	7790.58	8254.40	8631.64	8620.76	8200.81	7445.88	6702.88	6441.43	6662.66
27	7458.66	7701.69	8217.61	8630.76	8631.44	8195.57	7409.15	6613.85	6341.88	6572.91
28	7354.09	7615.37	8179.04	8630.75	8641.94	8189.65	7361.97	6523.32	6241.61	6484.20
29	7243.08	7531.41	8137.06	8639.02	8650.64	8183.94	7318.90	6433.84	6140.68	6393.72
30	7128.80	7435.14	8092.66	8635.97	8659.62	8177.98	7277.98	6345.40	6037.53	6303.22
31	7014.49	7336.02	8048.21	8621.87	8668.52	8170.56	7241.03	6253.56	5932.56	6211.14
32	6895.85	7223.78	8000.85	8616.93	8675.46	8163.59	7196.17	6159.83	5824.41	6112.86
33	6774.56	7117.93	7950.04	8610.00	8680.71	8154.93	7144.48	6063.49	5711.10	6006.12
34	6653.73	7008.69	7894.00	8602.98	8684.51	8145.70	7099.01	5966.79	5594.15	5907.50
35	6532.52	6909.45	7839.16	8595.35	8688.90	8133.15	7054.75	5866.87	5467.57	5801.04
36	6411.22	6800.91	7779.80	8584.17	8692.76	8119.64	7008.44	5761.70	5337.14	5687.09
37	6289.58	6692.15	7720.01	8572.03	8696.87	8105.03	6961.35	5653.18	5203.92	5569.35
38	6166.35	6580.48	7654.41	8557.52	8699.41	8089.77	6910.84	5534.49	5070.05	5446.85
39	6037.45	6463.20	7588.48	8541.77	8703.38	8074.86	6858.86	5412.77	4937.53	5324.15
40	5907.07	6348.39	7517.30	8525.22	8708.06	8061.45	6807.12	5281.74	4798.10	5192.97
41	5773.87	6230.17	7446.03	8505.56	8714.58	8045.43	6756.24	5147.46	4658.98	5070.85
42	5639.23	6114.29	7373.64	8484.50	8720.91	8028.42	6704.42	4999.68	4506.21	4936.32
43	5498.41	5986.77	7307.44	8460.35	8724.68	8009.72	6652.87	4847.37	4353.92	4796.80
44	5357.34	5872.81	7226.27	8436.52	8723.12	7991.67	6594.92	4693.75	4204.12	4650.68
45	5219.62	5749.49	7139.76	8412.49	8718.90	7972.29	6533.27	4526.54	4057.31	4497.54
46	5076.23	5615.85	7061.15	8388.40	8713.63	7952.97	6469.41	4362.49	3912.19	4331.23
47	4940.18	5486.41	6977.14	8363.11	8711.39	7931.35	6399.42	4191.86	3763.17	4166.28
48	4791.96	5347.54	6882.63	8331.65	8714.76	7898.13	6330.39	4015.79	3616.51	3997.06
49	4634.66	5195.79	6793.92	8289.21	8719.87	7854.15	6253.40	3837.22	3461.44	3827.88
50	4462.94	5039.71	6710.12	8244.06	8726.24	7813.25	6175.95	3657.62	3312.28	3665.16
51	4272.25	4865.04	6631.81	8194.56	8736.14	7779.76	6099.95	3484.18	3165.63	3499.27
52	4060.24	4671.32	6543.05	8141.07	8747.82	7747.83	6007.63	3308.34	3018.79	3333.59
53	3828.60	4444.80	6455.15	8085.78	8762.76	7717.88	5908.22	3139.58	2881.64	3163.19

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54	3601.14	4193.68	6376.42	8024.49	8781.30	7685.72	5799.17	2973.97	2747.80	3003.92
55	3362.74	3916.90	6303.70	7964.07	8804.06	7656.00	5676.17	2812.79	2620.02	2835.90
56	3130.55	3618.44	6239.66	7899.12	8826.83	7626.80	5535.07	2662.25	2489.14	2678.84
57	2910.97	3315.90	6184.13	7832.32	8848.42	7600.47	5366.17	2516.45	2349.54	2528.38
58	2688.45	3023.08	6136.05	7759.69	8865.38	7575.73	5160.80	2373.71	2202.28	2377.73
59	2461.15	2739.21	6089.54	7679.86	8879.93	7551.30	4932.02	2225.58	2050.17	2224.35
60	2238.54	2475.40	6040.44	7594.66	8894.69	7523.70	4677.68	2070.79	1895.84	2068.61
61	2016.12	2221.42	5975.72	7503.11	8912.50	7499.79	4381.31	1905.12	1734.41	1906.97
62	1796.87	1984.31	5874.14	7409.37	8933.69	7480.46	4058.97	1741.61	1578.44	1748.18
63	1599.70	1764.98	5727.79	7319.60	8956.35	7472.18	3716.29	1580.58	1453.03	1595.88
64	1423.07	1565.91	5506.56	7234.97	8980.84	7471.06	3356.61	1439.35	1327.63	1458.51
65	1264.73	1378.48	5192.33	7164.56	9004.64	7482.56	2992.15	1298.12	1202.63	1321.14
66	1127.51	1212.38	4761.52	7116.05	9024.30	7508.92	2639.37	1157.17	1092.52	1184.04
67	1005.84	1067.65	4214.88	7095.45	9032.93	7556.75	2282.40	1037.30	986.51	1066.81
68	893.86	940.76	3604.54	7115.65	9019.32	7622.90	1922.48	930.53	878.55	955.34
69	789.21	831.22	2994.47	7162.84	8956.38	7694.29	1660.47	836.50	781.53	855.25
70	695.97	731.90	2407.09	7241.63	8827.75	7749.57	1398.46	752.95	703.98	763.79
71	623.76	639.43	1936.01	7329.80	8626.36	7748.03	1138.84	670.45	640.64	681.95
72	551.77	571.34	1559.13	7414.29	8358.03	7685.83	970.16	593.74	583.45	606.56
73	479.78	503.56	1280.38	7495.22	7967.93	7568.66	822.66	520.67	532.24	534.77
74	419.70	435.79	1061.82	7570.21	7461.28	7418.25	688.57	453.59	486.12	467.84
75	371.40	383.56	874.52	7612.13	6862.21	7218.39	566.85	394.27	449.78	408.08
76	332.87	340.12	673.39	7583.38	6182.71	6950.72	453.48	345.35	413.85	358.06
77	300.40	301.91	539.89	7385.39	5452.71	6631.78	365.42	303.27	375.11	314.51
78	269.96	266.51	408.35	6888.47	4620.27	6241.62	301.69	266.39	330.11	274.79
79	240.72	234.31	276.81	6100.84	3749.71	5590.23	252.62	231.40	292.79	238.84
80	216.22	202.60	229.42	5107.96	2866.80	4600.56	211.74	198.33	258.83	204.67
81	190.95	172.76	192.51	4051.34	2080.66	3505.14	179.66	171.23	225.64	176.44
82	165.41	144.97	160.38	3110.97	1708.09	2573.91	147.58	144.13	191.66	148.20
83	138.64	120.65	130.85	2373.90	1335.51	2011.25	115.68	117.22	151.16	120.17
84	113.22	97.12	103.85	1786.46	963.92	1448.58	90.70	95.92	110.65	98.44
85	89.37	75.34	78.82	1318.80	834.22	890.85	67.98	71.32	70.49	72.72
86	65.58	56.62	59.23	940.18	687.20	569.41	47.11	39.75	46.96	38.98
87	44.98	37.99	39.77	653.29	498.12	395.12	31.88	26.64	23.43	26.04
88	24.48	19.36	20.30	491.13	339.07	220.84	16.64	13.53	0.34	13.10
89	3.99	4.16	6.93	329.41	180.03	51.03	1.77	0.74	0.32	0.41
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 : MPLSEL40HTT3HV-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	8380.09	8380.09	8380.09	8380.09	8380.09	8380.09	8380.09
1	8354.71	8365.94	8377.43	8388.48	8398.46	8404.47	8407.23
2	8317.00	8352.59	8376.37	8397.17	8412.88	8423.59	8427.77
3	8286.74	8339.43	8377.20	8405.10	8425.04	8437.32	8443.28
4	8255.20	8327.47	8380.59	8414.47	8434.64	8446.93	8453.74
5	8224.02	8315.46	8384.27	8416.78	8442.94	8452.68	8460.36
6	8190.14	8304.74	8390.17	8427.39	8450.20	8456.24	8463.07
7	8155.30	8293.75	8396.32	8443.66	8456.17	8458.16	8463.71
8	8119.11	8281.81	8401.59	8452.20	8460.37	8458.42	8462.22
9	8082.45	8267.04	8404.79	8459.41	8465.70	8457.58	8457.15
10	8043.86	8252.82	8407.39	8464.62	8468.98	8452.08	8447.53
11	8003.96	8238.04	8409.62	8468.44	8470.54	8443.08	8433.80
12	7962.94	8224.11	8414.87	8472.54	8468.68	8430.03	8413.90
13	7921.29	8212.98	8423.06	8477.61	8471.61	8410.96	8387.90
14	7878.90	8202.97	8430.70	8484.99	8460.53	8387.77	8355.53
15	7838.37	8193.41	8438.55	8493.71	8450.78	8360.23	8316.46
16	7797.25	8184.61	8446.30	8501.92	8439.52	8327.54	8271.30
17	7754.22	8175.05	8454.02	8509.83	8427.51	8288.05	8221.14
18	7713.02	8164.40	8461.42	8516.56	8414.04	8244.75	8165.70
19	7669.88	8154.76	8469.05	8521.45	8397.89	8196.02	8106.81
20	7627.47	8146.45	8476.45	8527.29	8378.03	8143.39	8043.18
21	7583.50	8137.91	8483.84	8524.88	8361.64	8088.44	7974.17
22	7538.25	8127.94	8491.95	8534.52	8335.07	8028.91	7903.82
23	7490.98	8118.68	8500.56	8535.61	8300.04	7965.19	7825.34
24	7444.22	8110.79	8509.44	8537.51	8274.53	7897.47	7742.02
25	7398.64	8104.01	8516.73	8538.00	8239.54	7825.39	7652.26
26	7356.27	8095.00	8525.60	8537.58	8199.03	7749.80	7556.66
27	7314.92	8085.72	8534.70	8536.50	8157.61	7672.21	7458.66
28	7260.88	8077.57	8542.85	8536.49	8116.42	7588.38	7354.09
29	7215.21	8069.96	8550.13	8534.80	8075.76	7500.50	7243.08
30	7168.36	8064.47	8558.20	8531.99	8028.54	7410.29	7128.80
31	7109.10	8057.61	8563.38	8529.21	7985.49	7316.28	7014.49
32	7056.80	8048.94	8567.77	8528.93	7937.47	7218.17	6895.85
33	7004.81	8038.24	8570.81	8524.62	7891.78	7118.40	6774.56
34	6961.66	8026.89	8574.64	8519.95	7839.87	7014.97	6653.73
35	6910.14	8014.80	8577.91	8514.76	7783.62	6911.13	6532.52
36	6853.12	8001.30	8579.88	8509.38	7728.01	6805.16	6411.22

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	6801.26	7990.37	8585.26	8498.16	7670.99	6699.29	6289.58
38	6748.95	7978.45	8591.94	8484.36	7610.67	6588.27	6166.35
39	6696.13	7963.12	8600.33	8472.24	7545.14	6475.52	6037.45
40	6641.37	7946.40	8614.12	8457.60	7475.85	6363.24	5907.07
41	6586.91	7928.23	8630.74	8441.06	7406.19	6247.62	5773.87
42	6538.99	7906.09	8650.18	8423.67	7337.96	6134.97	5639.23
43	6485.61	7883.38	8675.70	8406.51	7261.69	6017.87	5498.41
44	6427.19	7862.82	8695.46	8387.02	7182.75	5900.79	5357.34
45	6366.46	7848.62	8703.77	8367.20	7094.07	5780.01	5219.62
46	6304.29	7839.50	8694.59	8349.97	7012.34	5654.37	5076.23
47	6233.25	7834.27	8683.57	8338.53	6936.34	5522.96	4940.18
48	6168.73	7829.78	8681.93	8324.09	6851.87	5383.41	4791.96
49	6098.36	7810.39	8690.70	8300.93	6761.03	5234.23	4634.66
50	6023.08	7779.39	8705.45	8256.27	6680.50	5078.34	4462.94
51	5943.70	7752.55	8724.62	8211.21	6595.11	4907.77	4272.25
52	5840.63	7735.08	8750.17	8172.34	6514.36	4717.75	4060.24
53	5729.14	7720.33	8777.17	8139.08	6438.59	4512.21	3828.60
54	5602.38	7706.09	8807.23	8103.30	6367.22	4282.44	3601.14
55	5452.62	7693.08	8841.27	8068.95	6309.29	4028.78	3362.74
56	5298.81	7683.25	8878.55	8032.33	6257.82	3759.58	3130.55
57	5116.67	7672.17	8915.23	7991.62	6210.62	3482.62	2910.97
58	4900.67	7659.99	8950.55	7947.54	6184.09	3201.12	2688.45
59	4652.79	7644.15	8984.86	7899.76	6152.01	2922.04	2461.15
60	4371.89	7627.91	9022.85	7845.53	6128.53	2653.30	2238.54
61	4063.23	7611.08	9063.03	7786.92	6090.44	2386.70	2016.12
62	3719.86	7590.27	9103.75	7724.12	6032.60	2113.16	1796.87
63	3360.19	7571.51	9144.52	7660.82	5925.58	1861.50	1599.70
64	2991.78	7553.05	9184.72	7597.90	5763.78	1631.86	1423.07
65	2635.37	7537.43	9225.79	7532.48	5521.35	1429.74	1264.73
66	2275.74	7533.07	9263.22	7467.90	5163.68	1255.28	1127.51
67	1925.20	7546.18	9295.43	7417.32	4657.87	1106.96	1005.84
68	1656.29	7577.13	9309.37	7378.55	4066.16	976.79	893.86
69	1387.39	7621.26	9275.39	7357.84	3440.63	857.75	789.21
70	1118.79	7655.24	9178.44	7326.30	2803.97	750.49	695.97
71	939.16	7652.13	9031.66	7273.94	2226.93	651.65	623.76
72	787.92	7619.95	8823.79	7199.06	1806.19	579.18	551.77
73	655.25	7548.70	8518.82	7103.04	1486.03	507.06	479.78
74	548.66	7416.13	8103.77	6994.12	1226.77	434.93	419.70
75	466.66	7223.26	7582.02	6915.61	995.38	379.48	371.40
76	402.85	6974.18	6992.44	6884.02	798.35	335.02	332.87
77	344.92	6622.53	6331.73	6841.42	607.16	297.05	300.40
78	293.65	6139.19	5575.55	6710.10	463.87	264.24	269.96
79	250.00	5464.98	4727.19	6410.86	321.27	232.16	240.72
80	211.31	4455.44	3749.36	5875.66	251.60	200.71	216.22
81	179.98	3281.79	2781.35	5053.47	208.58	170.54	190.95
82	148.64	2338.07	1982.68	4086.31	173.97	142.81	165.41
83	117.47	1837.96	1478.57	3210.19	143.08	118.00	138.64
84	92.31	1337.84	1206.24	2473.27	114.04	95.43	113.22
85	69.89	841.71	1042.71	1831.90	87.33	74.57	89.37
86	49.12	565.39	877.75	1306.00	63.44	56.08	65.58
87	33.25	356.95	668.68	904.10	45.03	37.64	44.98
88	17.37	198.72	503.12	679.39	26.63	19.21	24.48
89	1.91	43.83	337.71	455.29	8.22	4.43	3.99
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 : MPLSEL40HTT3HV-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 : MPLSEL40HTT3HV-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 : MPLSEL40HTT3HV-28000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3106.1	N.A.	10.40
0-30	6726.42	N.A.	22.50
0-40	11331.44	N.A.	37.90
0-60	21651.45	N.A.	72.40
0-80	29233.94	N.A.	97.80
0-90	29906.63	N.A.	100.00
10-90	29111.8	N.A.	97.30
20-40	8225.34	N.A.	27.50
20-50	13387.6	N.A.	44.80
40-70	14773.24	N.A.	49.40
60-80	7582.5	N.A.	25.40
70-80	3129.26	N.A.	10.50
80-90	672.68	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	29906.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	794.83
10-20	2311.28
20-30	3620.32
30-40	4605.02
40-50	5162.27
50-60	5157.74
60-70	4453.23
70-80	3129.26
80-90	672.68
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 : MPLSEL40HTT3HV-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	83	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	74	66	60	71	64	58	69	62	57	66	61	56	54
4	80	67	57	50	77	65	57	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	43	37	65	52	43	36	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29
8	58	43	34	28	56	43	34	28	41	34	28	40	33	28	39	32	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	29	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 : MPLSEL40HTT3HV-28000LM4K.IES

UGR TABLE - CORRECTED

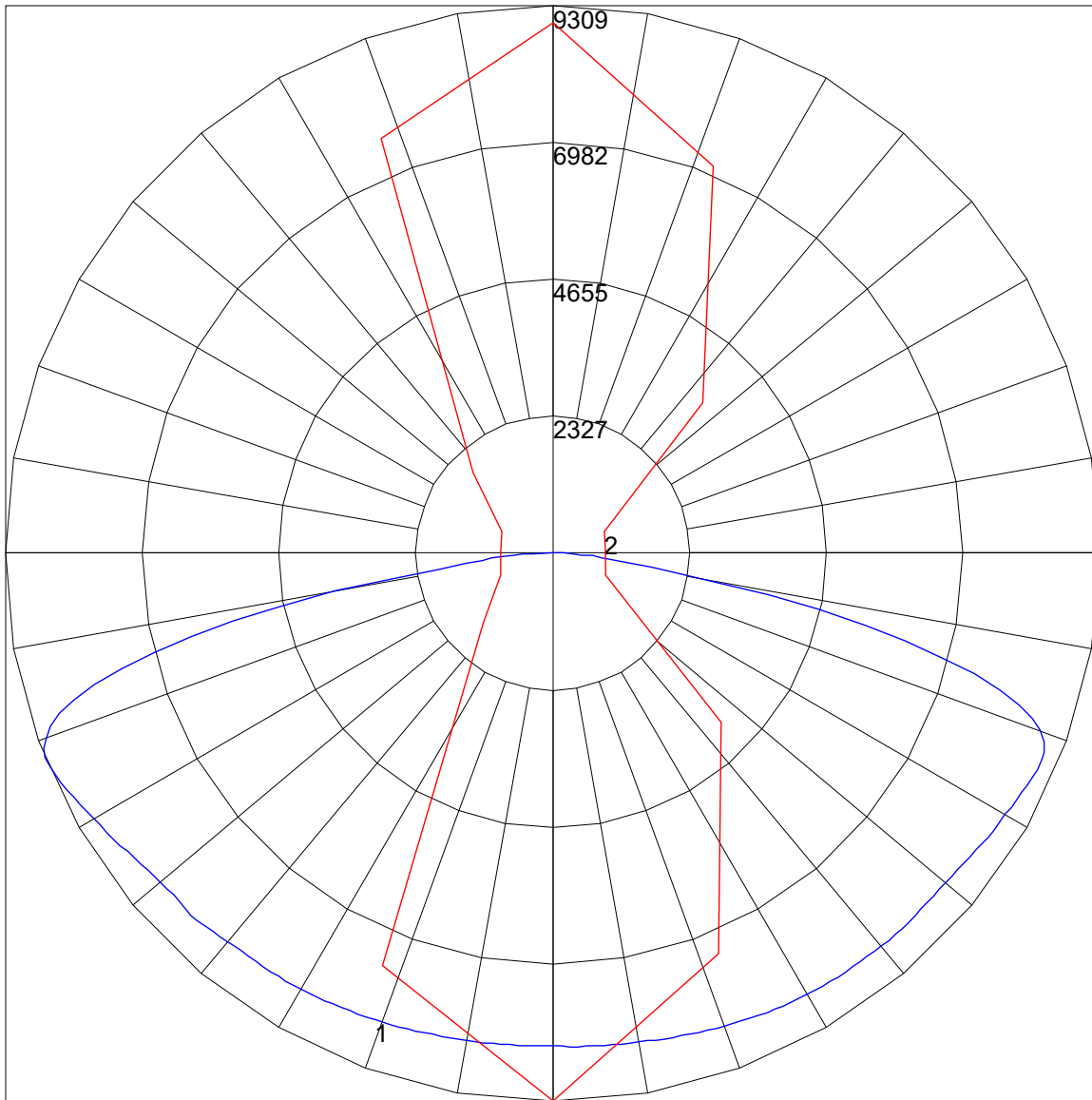
Reflectances

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	25.2	27.0	25.6	27.3	27.6	31.7	33.4	32.0	33.7	34.0
	3H	25.6	27.2	26.0	27.5	27.8	35.4	37.0	35.8	37.3	37.7
	4H	25.6	27.1	26.0	27.5	27.8	37.1	38.6	37.5	38.9	39.3
	6H	25.7	27.1	26.1	27.4	27.8	38.0	39.4	38.4	39.8	40.1
	8H	25.7	27.0	26.1	27.4	27.8	38.1	39.4	38.5	39.8	40.2
	12H	25.7	26.9	26.1	27.3	27.8	38.1	39.4	38.6	39.8	40.2
4H	2H	28.1	29.6	28.5	30.0	30.3	31.9	33.4	32.3	33.8	34.2
	3H	28.4	29.7	28.8	30.1	30.5	36.0	37.2	36.4	37.6	38.0
	4H	28.4	29.6	28.9	30.0	30.4	38.1	39.3	38.5	39.7	40.1
	6H	28.5	29.5	28.9	29.9	30.4	39.4	40.4	39.8	40.8	41.3
	8H	28.5	29.4	28.9	29.8	30.3	39.5	40.5	40.0	40.9	41.4
	12H	28.5	29.3	28.9	29.8	30.3	39.6	40.5	40.1	40.9	41.4
8H	4H	30.0	31.0	30.5	31.4	31.9	38.1	39.1	38.6	39.5	40.0
	6H	30.0	30.8	30.5	31.3	31.8	39.6	40.4	40.1	40.9	41.4
	8H	30.0	30.7	30.5	31.2	31.7	39.9	40.6	40.4	41.1	41.6
	12H	30.0	30.6	30.5	31.1	31.7	40.0	40.6	40.5	41.1	41.7
12H	4H	30.9	31.8	31.4	32.2	32.7	38.1	39.0	38.6	39.4	39.9
	6H	30.9	31.6	31.4	32.1	32.6	39.6	40.3	40.1	40.8	41.3
	8H	30.9	31.5	31.4	32.0	32.6	39.9	40.5	40.4	41.0	41.6

Maximum UGR = 41.7

POLAR GRAPH



Maximum Candela = 9309.37 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.)