

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-28000LM4K.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 22:32:28
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT5HV-28000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30214
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	201.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.62
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.30 m
Luminous Width (90-270)	0.28 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	134865	129251	121842
55	142797	134969	128742
65	119460	119312	126207
75	38910	33746	58318
85	7102	8263	9478

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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	8369.52	8369.52	8369.52	8369.52	8369.52	8369.52	8369.52	8369.52	8369.52	8369.52
1	8401.68	8399.23	8391.87	8382.01	8369.52	8357.95	8347.90	8340.97	8338.41	8340.00
2	8432.88	8427.63	8413.58	8394.08	8369.96	8346.64	8325.93	8311.45	8306.03	8309.42
3	8464.52	8456.71	8435.29	8405.60	8370.18	8335.23	8303.45	8280.84	8272.57	8278.90
4	8496.87	8484.55	8456.97	8418.15	8370.40	8321.80	8280.44	8250.15	8239.61	8248.63
5	8529.06	8513.11	8477.48	8429.84	8370.83	8309.64	8256.79	8218.93	8206.99	8217.64
6	8561.73	8541.18	8497.65	8440.89	8370.40	8297.79	8233.13	8190.15	8175.15	8188.23
7	8594.00	8569.42	8516.84	8451.02	8370.37	8284.98	8209.05	8161.15	8144.58	8159.19
8	8625.80	8597.94	8534.91	8460.17	8368.38	8271.26	8185.02	8132.05	8114.83	8130.55
9	8657.51	8624.47	8552.75	8468.58	8366.20	8255.46	8162.09	8104.14	8085.41	8102.24
10	8688.98	8650.14	8568.50	8475.14	8363.02	8240.59	8140.89	8077.28	8055.91	8075.82
11	8719.02	8674.74	8582.15	8481.47	8359.39	8227.38	8121.31	8052.09	8027.18	8050.09
12	8747.51	8697.33	8595.41	8486.28	8354.29	8214.77	8103.23	8027.84	7998.67	8025.19
13	8775.69	8718.41	8607.24	8488.65	8348.25	8202.36	8086.11	8004.97	7970.90	8000.50
14	8801.69	8737.89	8616.61	8490.22	8341.35	8190.48	8069.48	7983.50	7943.79	7974.85
15	8825.27	8754.84	8624.64	8490.03	8333.84	8177.92	8050.76	7961.60	7916.26	7950.45
16	8846.73	8769.29	8628.77	8487.84	8324.25	8163.68	8030.31	7938.95	7890.53	7925.17
17	8865.54	8780.60	8631.38	8483.08	8314.10	8149.46	8010.51	7915.20	7864.51	7899.09
18	8881.99	8787.44	8629.67	8476.08	8303.93	8134.40	7989.72	7890.70	7839.51	7874.08
19	8893.61	8791.97	8623.90	8466.25	8292.90	8118.24	7969.09	7864.92	7813.43	7846.64
20	8899.90	8792.31	8615.41	8454.00	8280.03	8100.67	7947.24	7837.22	7787.25	7820.40
21	8902.66	8787.81	8602.96	8440.38	8266.17	8082.17	7923.37	7808.72	7760.32	7793.70
22	8900.56	8778.10	8589.43	8425.39	8250.22	8062.35	7896.90	7779.01	7731.84	7765.46
23	8892.97	8763.54	8571.13	8406.39	8232.53	8040.96	7870.06	7747.00	7702.46	7737.34
24	8880.22	8746.55	8551.76	8385.58	8212.82	8016.77	7840.46	7712.89	7670.69	7709.64
25	8865.42	8726.85	8529.84	8363.58	8191.80	7992.34	7809.50	7677.43	7637.68	7681.47
26	8846.19	8704.96	8508.08	8338.66	8167.90	7967.67	7776.42	7639.45	7602.21	7650.58
27	8825.04	8681.40	8483.94	8312.69	8141.75	7940.59	7744.00	7602.19	7563.85	7618.17
28	8802.47	8656.06	8459.03	8284.32	8113.25	7912.79	7711.60	7565.24	7525.40	7582.83
29	8778.34	8629.34	8431.03	8253.94	8082.68	7883.31	7680.22	7527.47	7487.21	7546.56
30	8754.31	8600.43	8402.32	8221.96	8048.57	7852.58	7649.24	7490.54	7448.11	7509.12
31	8730.37	8570.61	8371.22	8187.43	8012.06	7820.35	7619.31	7453.06	7410.08	7471.17
32	8703.55	8538.53	8338.91	8152.24	7973.08	7786.54	7587.23	7415.72	7375.33	7435.37
33	8673.74	8505.30	8303.37	8112.99	7932.77	7751.27	7553.50	7379.23	7342.05	7400.06
34	8638.96	8468.45	8267.30	8070.99	7888.29	7714.51	7518.73	7344.20	7310.90	7365.78
35	8602.03	8431.52	8229.30	8027.66	7842.65	7675.53	7482.00	7307.71	7280.72	7332.43
36	8560.98	8391.88	8187.62	7981.01	7792.92	7634.16	7443.59	7270.70	7249.08	7297.74
37	8516.63	8348.76	8144.79	7933.78	7743.51	7591.24	7404.36	7232.78	7218.84	7262.48
38	8466.30	8302.52	8098.57	7882.32	7688.79	7544.38	7361.74	7195.01	7184.33	7226.26
39	8413.25	8251.28	8051.25	7828.26	7633.07	7495.74	7318.46	7156.06	7149.16	7189.94
40	8356.57	8199.81	7998.55	7772.57	7573.87	7444.19	7273.89	7115.48	7111.65	7154.46
41	8295.74	8142.93	7944.47	7713.19	7511.77	7390.27	7228.64	7075.34	7072.48	7117.55
42	8231.09	8083.66	7884.93	7651.31	7446.55	7333.08	7180.53	7032.67	7030.53	7079.40
43	8160.12	8018.23	7821.83	7584.73	7378.52	7272.82	7131.45	6988.08	6986.40	7038.98
44	8087.92	7950.67	7753.38	7515.90	7312.20	7209.84	7082.21	6941.85	6941.16	6999.62
45	8013.97	7877.62	7680.38	7443.38	7240.14	7142.63	7028.89	6892.76	6892.76	6957.75
46	7937.32	7799.30	7599.26	7366.19	7168.74	7072.66	6975.15	6843.00	6843.47	6912.96
47	7859.95	7717.39	7512.54	7284.36	7090.75	6999.29	6917.14	6789.58	6791.32	6866.29
48	7780.38	7626.32	7417.36	7196.20	7010.13	6920.90	6856.98	6737.55	6736.73	6817.82
49	7694.89	7531.34	7314.45	7105.06	6922.27	6839.83	6792.92	6681.77	6679.78	6765.95
50	7601.73	7429.37	7207.25	7013.49	6829.33	6756.08	6724.28	6625.31	6618.21	6710.26
51	7493.18	7319.85	7088.03	6913.77	6728.77	6672.31	6650.54	6567.20	6552.35	6653.98
52	7370.91	7198.71	6957.77	6807.32	6616.22	6583.39	6571.21	6505.08	6482.29	6594.68
53	7227.40	7059.17	6815.89	6691.25	6489.16	6489.30	6487.07	6439.27	6396.86	6531.30

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54	7063.48	6901.12	6666.72	6558.84	6351.18	6385.03	6394.80	6361.86	6294.67	6460.63
55	6882.94	6718.65	6505.63	6408.26	6205.49	6269.72	6296.85	6270.37	6178.93	6378.02
56	6689.17	6510.99	6329.93	6236.14	6056.53	6142.70	6190.67	6159.89	6058.56	6278.60
57	6488.61	6292.98	6145.23	6049.90	5904.74	6003.96	6073.81	6032.29	5937.00	6159.95
58	6280.77	6052.62	5948.29	5851.56	5747.26	5847.93	5947.73	5889.88	5816.85	6027.37
59	6064.37	5804.15	5735.73	5645.63	5589.33	5690.30	5809.62	5740.74	5709.85	5892.81
60	5833.26	5553.95	5510.18	5434.56	5426.61	5520.12	5656.97	5592.62	5611.57	5756.80
61	5585.00	5294.45	5271.35	5213.95	5261.54	5342.06	5482.81	5441.17	5523.98	5625.49
62	5301.80	5025.21	5023.25	4991.55	5090.61	5159.10	5273.82	5289.43	5441.32	5492.53
63	4985.43	4751.61	4763.78	4766.94	4909.10	4971.28	5043.19	5133.09	5352.16	5369.63
64	4628.32	4451.37	4500.28	4536.63	4705.84	4781.83	4777.47	4970.83	5246.70	5249.08
65	4242.63	4134.18	4237.35	4301.50	4482.23	4581.08	4512.69	4789.93	5105.11	5112.16
66	3848.22	3795.67	3978.30	4059.42	4228.96	4363.68	4248.00	4583.71	4912.97	4943.70
67	3460.90	3450.44	3705.80	3807.80	3952.51	4113.30	4000.33	4356.07	4679.34	4746.24
68	3082.11	3106.12	3408.07	3538.40	3637.56	3839.75	3758.10	4101.97	4403.71	4515.96
69	2721.71	2769.57	3062.64	3238.34	3262.61	3532.07	3523.13	3823.50	4100.31	4268.62
70	2368.09	2428.83	2681.62	2902.07	2851.94	3199.79	3304.13	3551.03	3773.68	4013.68
71	2013.80	2076.92	2249.85	2526.72	2440.46	2830.68	3071.21	3254.20	3425.69	3742.43
72	1653.75	1732.70	1796.81	2126.08	2053.00	2447.47	2790.67	2947.70	3046.10	3457.92
73	1320.92	1406.13	1384.74	1729.52	1723.92	2064.40	2448.25	2588.53	2635.54	3134.26
74	1056.88	1095.88	1024.48	1370.65	1496.17	1739.43	2041.01	2180.55	2199.38	2755.56
75	846.30	830.91	733.97	1085.80	1268.42	1414.47	1618.91	1792.63	1807.14	2322.81
76	684.89	611.16	597.60	866.43	1041.00	1090.89	1196.82	1404.70	1414.90	1869.87
77	543.78	480.87	463.08	678.36	838.96	873.45	775.18	1020.54	1027.31	1451.15
78	403.06	352.90	328.56	552.27	639.67	690.09	548.22	772.21	826.70	1033.15
79	262.35	269.30	266.67	427.06	439.11	542.95	408.40	579.37	661.64	752.67
80	192.05	206.75	215.02	301.86	264.82	422.54	322.16	429.84	476.04	564.45
81	151.09	164.76	176.19	232.65	213.93	329.98	260.86	308.73	303.08	410.98
82	120.27	128.73	145.56	179.64	163.03	271.39	219.50	238.34	214.53	284.13
83	95.00	96.03	114.50	138.60	112.99	225.08	188.15	193.10	171.93	223.09
84	72.79	70.25	85.61	103.57	92.03	185.33	157.88	154.65	129.32	162.05
85	52.02	51.03	60.52	72.50	69.42	145.57	127.60	116.21	86.74	101.44
86	31.28	31.99	40.34	52.92	50.09	105.86	97.10	78.07	46.58	61.85
87	10.55	12.95	20.28	33.64	32.86	67.64	60.68	52.37	31.05	41.62
88	7.69	9.34	6.42	14.36	22.14	45.24	40.61	26.68	15.52	21.39
89	4.90	5.78	4.25	10.22	11.42	22.85	20.55	1.73	0.50	1.68
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-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	8369.52	8369.52	8369.52	8369.52	8369.52	8369.52	8369.52
1	8346.79	8357.30	8369.30	8381.80	8391.87	8399.02	8401.68
2	8322.42	8343.77	8369.09	8393.68	8414.31	8427.86	8432.88
3	8298.18	8328.94	8368.21	8406.09	8438.08	8458.38	8464.52
4	8273.05	8314.01	8367.56	8418.47	8461.88	8489.02	8496.87
5	8248.34	8299.70	8366.46	8430.18	8484.20	8518.82	8529.06
6	8223.38	8283.47	8364.92	8441.94	8507.47	8548.18	8561.73
7	8198.26	8268.32	8361.90	8454.02	8531.42	8579.81	8594.00
8	8174.25	8253.58	8359.44	8467.16	8555.51	8610.83	8625.80
9	8150.48	8239.10	8358.35	8480.08	8580.25	8641.27	8657.51
10	8127.01	8224.44	8356.79	8492.54	8605.76	8672.64	8688.98
11	8104.26	8210.21	8356.57	8504.01	8629.78	8703.57	8719.02
12	8082.63	8196.97	8356.35	8513.46	8648.77	8733.17	8747.51
13	8062.89	8184.41	8355.28	8522.10	8668.83	8759.66	8775.69
14	8042.20	8173.85	8355.47	8529.24	8684.20	8784.91	8801.69
15	8021.99	8163.10	8355.04	8534.46	8697.21	8807.00	8825.27
16	8001.77	8152.42	8353.76	8537.89	8709.38	8825.06	8846.73
17	7981.34	8141.05	8352.63	8540.72	8719.34	8841.63	8865.54
18	7960.56	8131.31	8350.87	8543.56	8727.51	8855.18	8881.99
19	7938.46	8120.15	8347.66	8543.17	8732.29	8867.07	8893.61
20	7917.09	8108.80	8342.65	8543.16	8734.36	8876.36	8899.90
21	7896.64	8095.68	8336.51	8541.87	8734.19	8880.27	8902.66
22	7875.56	8081.72	8330.36	8536.70	8732.04	8879.06	8900.56
23	7852.68	8066.69	8321.42	8530.58	8723.65	8874.72	8892.97
24	7830.03	8052.07	8310.76	8523.17	8713.20	8865.46	8880.22
25	7807.65	8036.70	8298.77	8512.58	8700.14	8852.66	8865.42
26	7783.44	8021.15	8285.83	8500.31	8683.25	8834.74	8846.19
27	7757.73	8003.18	8270.84	8485.56	8664.31	8814.69	8825.04
28	7730.35	7982.24	8254.21	8467.86	8644.02	8792.83	8802.47
29	7700.98	7962.69	8235.50	8448.28	8622.49	8769.35	8778.34
30	7672.44	7941.73	8215.81	8426.64	8600.16	8744.60	8754.31
31	7642.63	7919.12	8192.73	8402.85	8576.53	8717.14	8730.37
32	7613.27	7895.48	8170.94	8378.02	8551.05	8684.22	8703.55
33	7585.59	7870.50	8148.52	8348.42	8522.62	8647.98	8673.74
34	7557.63	7845.02	8124.79	8318.25	8492.25	8609.90	8638.96
35	7531.35	7816.61	8095.29	8285.16	8459.16	8569.03	8602.03
36	7502.39	7788.50	8058.37	8251.21	8425.35	8526.30	8560.98

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	7473.03	7758.70	8017.28	8213.89	8391.82	8481.99	8516.63
38	7442.29	7719.59	7976.65	8175.95	8355.03	8435.04	8466.30
39	7412.26	7677.05	7936.02	8133.84	8314.15	8384.17	8413.25
40	7380.15	7631.92	7894.35	8092.51	8271.33	8331.17	8356.57
41	7347.61	7589.62	7852.85	8047.85	8226.52	8274.31	8295.74
42	7310.90	7544.10	7809.56	8000.15	8178.51	8215.61	8231.09
43	7271.25	7499.21	7764.54	7949.28	8126.47	8154.23	8160.12
44	7232.56	7454.52	7717.71	7894.00	8072.52	8090.49	8087.92
45	7191.55	7406.93	7668.70	7837.08	8016.55	8026.22	8013.97
46	7150.03	7359.50	7614.23	7776.86	7954.80	7956.18	7937.32
47	7106.78	7309.49	7558.96	7719.28	7885.92	7884.98	7859.95
48	7061.74	7257.86	7497.93	7655.23	7809.43	7803.05	7780.38
49	7010.63	7200.08	7431.58	7584.32	7726.78	7721.86	7694.89
50	6958.08	7139.05	7365.08	7508.76	7640.65	7635.98	7601.73
51	6899.26	7075.24	7291.24	7427.02	7547.28	7544.58	7493.18
52	6840.36	7008.09	7214.45	7336.65	7446.83	7441.68	7370.91
53	6779.26	6937.74	7131.08	7240.00	7338.10	7325.05	7227.40
54	6715.01	6864.38	7036.19	7134.71	7224.67	7192.38	7063.48
55	6646.43	6784.44	6932.21	7017.91	7102.75	7041.49	6882.94
56	6574.77	6693.52	6820.23	6884.12	6971.97	6872.44	6689.17
57	6495.51	6590.85	6704.81	6742.16	6831.57	6685.09	6488.61
58	6408.50	6484.08	6583.76	6593.32	6681.04	6478.93	6280.77
59	6309.98	6369.30	6455.64	6435.54	6514.87	6264.20	6064.37
60	6197.68	6247.40	6326.24	6270.40	6332.99	6038.12	5833.26
61	6065.26	6115.03	6190.18	6092.70	6131.73	5812.28	5585.00
62	5904.71	5973.44	6055.08	5907.53	5909.58	5568.03	5301.80
63	5713.96	5823.22	5924.32	5716.14	5674.27	5307.89	4985.43
64	5484.74	5654.95	5791.63	5516.80	5417.51	5023.15	4628.32
65	5229.97	5484.57	5645.01	5322.43	5150.16	4700.49	4242.63
66	4959.28	5307.24	5488.73	5119.11	4874.54	4355.12	3848.22
67	4688.62	5115.01	5304.10	4895.30	4582.06	3979.07	3460.90
68	4425.52	4895.58	5096.08	4652.29	4281.07	3604.74	3082.11
69	4178.11	4665.26	4849.59	4397.40	3969.39	3227.94	2721.71
70	3958.18	4412.48	4541.16	4120.44	3637.36	2855.78	2368.09
71	3774.16	4125.11	4180.52	3805.06	3256.59	2476.57	2013.80
72	3600.71	3814.32	3797.62	3463.58	2808.96	2095.61	1653.75
73	3396.74	3485.75	3378.76	3086.95	2309.87	1731.30	1320.92
74	3095.24	3146.77	2881.79	2652.02	1778.92	1373.06	1056.88
75	2690.75	2739.98	2388.57	2121.87	1273.96	1071.40	846.30
76	2202.81	2248.14	1979.91	1602.46	866.75	816.59	684.89
77	1719.60	1828.92	1667.90	1215.34	600.12	611.81	543.78
78	1236.39	1409.70	1395.94	945.52	476.98	469.74	403.06
79	755.62	991.83	1109.62	723.83	356.25	328.72	262.35
80	496.09	736.10	730.35	569.01	282.47	240.04	192.05
81	353.20	510.10	538.27	414.73	219.20	180.30	151.09
82	260.03	346.51	347.18	260.45	169.40	139.15	120.27
83	210.18	232.33	156.09	179.30	131.89	103.64	95.00
84	160.32	186.93	116.62	129.76	104.20	77.64	72.79
85	110.77	141.54	88.15	89.04	77.41	56.47	52.02
86	80.50	96.76	66.12	59.73	54.40	35.40	31.28
87	46.48	69.02	47.74	39.06	31.48	14.34	10.55
88	31.18	46.12	29.39	18.44	8.56	10.19	7.69
89	15.88	23.22	11.04	4.37	6.11	6.10	4.90
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-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 : MPLSEL40HTT5HV-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 : MPLSEL40HTT5HV-28000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3164.58	N.A.	10.50
0-30	6967.26	N.A.	23.10
0-40	11942.38	N.A.	39.50
0-60	23570.2	N.A.	78.00
0-80	30081.1	N.A.	99.60
0-90	30214.17	N.A.	100.00
10-90	29415.58	N.A.	97.40
20-40	8777.79	N.A.	29.10
20-50	14536.06	N.A.	48.10
40-70	16324.42	N.A.	54.00
60-80	6510.9	N.A.	21.50
70-80	1814.3	N.A.	6.00
80-90	133.07	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	30214.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	798.59
10-20	2365.99
20-30	3802.68
30-40	4975.11
40-50	5758.27
50-60	5869.56
60-70	4696.6
70-80	1814.3
80-90	133.07
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-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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	58	44	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	21

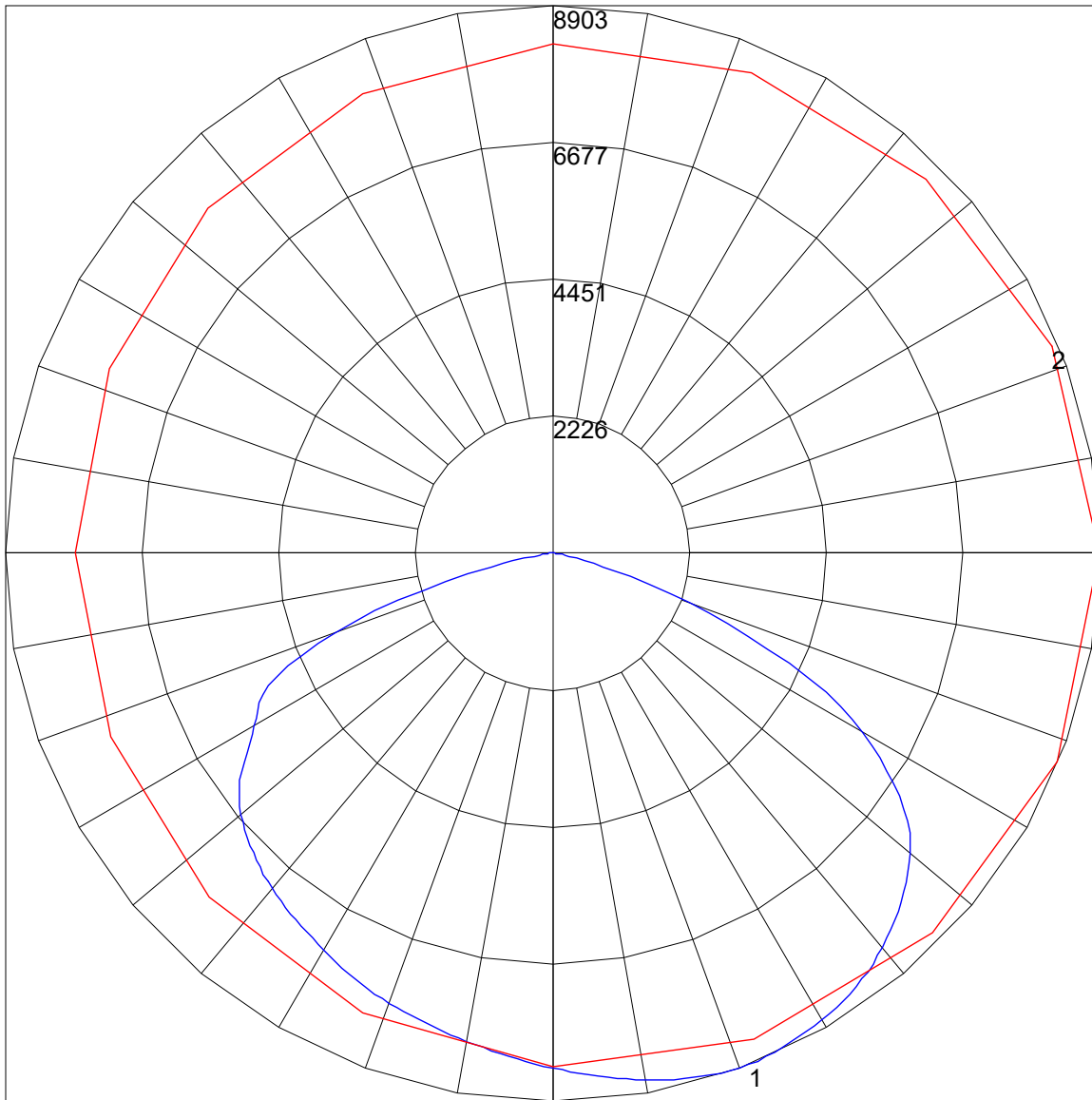
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT5HV-28000LM4K.IES

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	30.1	31.8	30.5	32.1	32.4	29.6	31.3	29.9	31.6	31.9
	3H	31.2	32.8	31.6	33.1	33.5	31.2	32.8	31.6	33.1	33.5
	4H	31.3	32.8	31.7	33.1	33.5	31.5	32.9	31.9	33.3	33.6
	6H	31.3	32.7	31.7	33.0	33.4	31.5	32.8	31.9	33.2	33.6
	8H	31.3	32.6	31.7	33.0	33.4	31.5	32.7	31.9	33.1	33.5
	12H	31.3	32.5	31.7	32.9	33.3	31.4	32.7	31.9	33.1	33.5
4H	2H	30.8	32.2	31.1	32.5	32.9	30.2	31.7	30.6	32.0	32.4
	3H	32.0	33.2	32.4	33.6	34.0	32.0	33.2	32.4	33.6	34.0
	4H	32.1	33.2	32.6	33.6	34.1	32.3	33.4	32.7	33.8	34.2
	6H	32.1	33.1	32.6	33.5	34.0	32.3	33.3	32.8	33.7	34.2
	8H	32.1	33.0	32.6	33.4	33.9	32.3	33.2	32.8	33.6	34.1
	12H	32.1	32.9	32.6	33.4	33.8	32.3	33.1	32.8	33.6	34.0
8H	4H	32.2	33.1	32.7	33.6	34.0	32.4	33.2	32.8	33.7	34.1
	6H	32.2	32.9	32.7	33.4	33.9	32.4	33.1	32.9	33.6	34.1
	8H	32.2	32.8	32.7	33.4	33.8	32.4	33.0	32.9	33.6	34.0
	12H	32.2	32.8	32.7	33.2	33.8	32.4	33.0	32.9	33.5	34.0
12H	4H	32.2	33.0	32.7	33.5	34.0	32.3	33.1	32.8	33.6	34.1
	6H	32.2	32.9	32.7	33.3	33.9	32.4	33.0	32.9	33.5	34.0
	8H	32.2	32.8	32.7	33.3	33.8	32.4	33.0	32.9	33.4	34.0

Maximum UGR = 34.2

POLAR GRAPH



Maximum Candela = 8902.66 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.)