

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3-28000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-50023E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUEDATE] 2022-12-01 10:46:04
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL40HTT3-28000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28924
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	204.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.50
Spacing Criterion (Diagonal)	1.50
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	84786	114471	134876
55	64219	122724	167128
65	29848	149698	236501
75	14115	67732	284047
85	9645	9450	104067

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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	8368.76	8368.76	8368.76	8368.76	8368.76	8368.76	8368.76	8368.76	8368.76	8368.76
1	8388.96	8390.12	8388.13	8377.16	8368.52	8358.73	8344.52	8339.75	8337.62	8348.12
2	8410.57	8409.95	8404.25	8382.08	8366.76	8344.40	8323.02	8306.37	8299.57	8315.09
3	8424.80	8424.80	8417.37	8389.56	8365.46	8330.21	8296.40	8268.42	8258.44	8275.79
4	8438.52	8436.70	8427.45	8397.33	8361.11	8312.05	8262.89	8225.97	8208.57	8233.69
5	8446.88	8447.32	8433.01	8401.39	8361.26	8299.00	8233.57	8179.10	8154.94	8185.86
6	8448.59	8452.56	8437.03	8404.50	8357.45	8283.61	8194.23	8128.13	8100.95	8137.45
7	8449.45	8453.52	8442.53	8407.38	8352.94	8267.16	8157.21	8072.26	8039.55	8081.87
8	8448.62	8450.95	8445.98	8408.88	8350.06	8250.30	8116.67	8014.14	7974.99	8027.65
9	8445.34	8447.65	8447.57	8412.82	8346.15	8226.75	8075.35	7953.37	7903.49	7969.52
10	8432.16	8447.41	8446.92	8414.13	8341.30	8205.19	8031.02	7889.67	7830.94	7907.48
11	8421.25	8439.86	8444.10	8413.06	8333.04	8181.81	7984.91	7821.90	7756.44	7847.43
12	8396.97	8426.00	8442.36	8411.12	8327.53	8160.64	7937.17	7749.65	7677.15	7780.86
13	8367.71	8408.40	8435.37	8410.67	8323.89	8135.38	7884.30	7676.98	7596.18	7716.58
14	8331.03	8379.81	8425.53	8409.17	8318.81	8110.10	7830.87	7605.18	7512.76	7650.34
15	8286.11	8349.68	8414.27	8408.92	8314.87	8085.31	7778.17	7529.80	7432.22	7579.44
16	8236.05	8316.46	8398.97	8407.42	8303.76	8059.90	7726.00	7453.05	7344.61	7506.41
17	8182.74	8277.50	8384.45	8407.60	8299.27	8032.66	7668.68	7373.36	7253.69	7430.77
18	8120.36	8233.09	8362.64	8403.76	8291.99	8008.01	7613.29	7296.67	7164.67	7356.71
19	8056.67	8185.40	8336.75	8398.06	8283.12	7979.75	7556.20	7209.86	7072.29	7277.90
20	7988.38	8133.22	8308.02	8393.60	8272.01	7959.30	7499.98	7126.06	6977.02	7196.70
21	7918.34	8071.71	8280.52	8384.52	8259.99	7934.10	7445.35	7039.26	6880.63	7115.57
22	7835.25	8013.66	8245.40	8369.09	8251.01	7904.75	7393.38	6953.69	6784.91	7036.72
23	7754.50	7943.09	8209.26	8355.44	8238.25	7879.78	7337.51	6862.92	6684.92	6952.48
24	7660.65	7868.56	8168.93	8341.26	8225.90	7852.93	7283.22	6774.37	6584.15	6862.89
25	7563.46	7791.30	8125.16	8327.11	8217.04	7825.72	7227.60	6687.98	6481.79	6774.07
26	7467.58	7704.04	8076.28	8308.17	8206.26	7800.72	7170.28	6593.21	6379.61	6680.51
27	7361.52	7615.19	8028.49	8286.73	8194.66	7772.21	7117.27	6499.36	6277.44	6587.50
28	7251.55	7520.27	7980.65	8269.44	8186.44	7748.81	7059.97	6400.45	6170.56	6495.32
29	7137.59	7422.98	7927.39	8251.98	8175.20	7721.25	7005.57	6301.65	6066.25	6401.56
30	7019.06	7316.65	7872.63	8233.24	8168.74	7698.31	6951.78	6204.77	5959.96	6310.05
31	6899.32	7212.22	7818.11	8214.81	8160.28	7670.04	6896.23	6101.88	5852.51	6211.77
32	6779.58	7104.86	7756.82	8199.61	8143.40	7639.64	6843.37	5998.27	5739.94	6113.16
33	6656.91	6996.62	7698.87	8176.66	8132.75	7615.64	6786.54	5890.47	5623.76	6012.66
34	6527.21	6885.80	7635.43	8156.08	8122.79	7587.21	6728.52	5785.69	5508.12	5904.47
35	6399.99	6775.45	7568.74	8133.68	8105.46	7559.35	6672.94	5675.01	5380.59	5795.17
36	6272.49	6661.35	7505.56	8109.47	8088.88	7529.67	6613.06	5564.92	5249.82	5681.77
37	6142.16	6546.61	7431.26	8087.35	8078.17	7501.58	6551.56	5450.04	5113.58	5564.97
38	6008.54	6430.00	7358.94	8055.18	8066.26	7464.36	6493.75	5331.78	4974.09	5443.42
39	5874.56	6309.43	7284.57	8027.82	8059.89	7427.94	6435.85	5214.98	4832.97	5316.05
40	5739.26	6191.00	7210.22	7997.53	8063.54	7394.16	6376.45	5083.45	4688.11	5191.19
41	5601.79	6069.26	7136.46	7970.84	8065.65	7361.98	6311.77	4951.72	4538.04	5061.82
42	5463.47	5949.24	7053.81	7946.77	8062.62	7330.99	6246.40	4808.14	4380.41	4924.48
43	5319.18	5826.64	6971.75	7918.20	8050.24	7300.95	6181.14	4654.38	4222.42	4782.93
44	5176.88	5706.27	6886.94	7893.08	8030.78	7270.18	6117.37	4498.08	4068.84	4628.78
45	5038.15	5587.00	6802.09	7876.71	8014.64	7246.81	6051.86	4336.45	3918.80	4461.94
46	4895.12	5458.41	6711.22	7854.57	8007.43	7222.85	5982.50	4173.02	3778.37	4289.30
47	4751.42	5332.17	6619.90	7816.76	8004.44	7181.51	5911.73	4004.60	3634.76	4104.54
48	4597.64	5197.86	6527.88	7773.51	8004.57	7131.00	5833.53	3833.75	3491.34	3919.96
49	4430.45	5054.19	6434.39	7721.64	7999.41	7084.09	5753.81	3655.97	3334.32	3732.12
50	4248.13	4903.87	6344.50	7675.93	8005.78	7038.24	5674.04	3486.53	3176.02	3547.50
51	4038.80	4734.12	6248.61	7629.31	8008.19	6996.59	5591.39	3312.43	3016.19	3367.75
52	3815.26	4540.05	6156.63	7578.41	8016.76	6956.81	5499.89	3141.25	2857.01	3186.96
53	3570.99	4317.90	6068.80	7523.80	8023.84	6919.33	5404.90	2976.12	2713.38	3020.12

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CANDELA TABULATION - (Cont.)

54	3330.70	4064.87	5987.88	7466.56	8038.52	6886.63	5294.70	2814.04	2577.14	2860.88
55	3095.43	3777.76	5915.40	7404.39	8055.74	6855.32	5171.56	2661.85	2452.43	2703.83
56	2873.12	3472.82	5849.80	7334.87	8075.45	6825.52	5026.73	2521.05	2333.05	2553.39
57	2653.80	3159.45	5799.86	7265.83	8100.74	6794.88	4858.50	2387.45	2205.93	2404.15
58	2426.18	2849.60	5761.61	7193.42	8130.35	6769.46	4662.30	2254.75	2068.08	2254.02
59	2196.66	2547.57	5736.33	7124.01	8166.54	6749.45	4442.39	2118.91	1925.83	2102.76
60	1965.65	2263.11	5714.55	7056.36	8204.26	6739.70	4184.65	1969.45	1785.39	1944.32
61	1741.28	1999.53	5696.08	6989.43	8244.38	6740.92	3903.48	1810.47	1641.56	1785.38
62	1526.94	1755.79	5660.89	6928.81	8281.23	6754.29	3604.16	1656.95	1501.24	1635.72
63	1347.21	1544.21	5602.32	6878.86	8322.45	6781.09	3291.69	1509.59	1380.73	1489.24
64	1189.10	1361.28	5494.39	6836.08	8363.80	6824.46	2978.02	1381.38	1260.21	1357.08
65	1060.04	1199.39	5316.53	6807.57	8399.32	6874.47	2661.11	1253.17	1139.84	1225.03
66	943.38	1059.35	5041.14	6802.14	8417.14	6942.93	2354.05	1125.26	1032.82	1103.51
67	835.50	932.85	4663.80	6817.47	8418.31	7027.51	2040.65	1012.52	933.34	987.60
68	731.94	826.31	4206.64	6848.38	8394.99	7112.93	1749.79	907.89	836.52	888.02
69	638.95	728.29	3692.28	6886.88	8331.94	7188.82	1511.39	810.69	745.18	806.06
70	570.46	641.09	3182.50	6929.62	8221.85	7239.43	1272.98	716.57	667.64	717.34
71	502.09	577.25	2741.46	6977.64	8047.87	7255.81	1034.63	629.77	602.46	632.75
72	441.06	513.99	2391.57	7021.51	7772.96	7245.10	855.71	560.77	545.94	561.51
73	387.41	450.72	2079.06	7073.30	7358.54	7193.67	700.74	501.57	494.72	496.90
74	343.62	395.69	1777.14	7120.28	6822.48	7085.55	574.40	446.09	451.35	443.82
75	307.00	347.42	1473.18	7136.60	6178.03	6883.44	467.36	396.69	416.52	392.80
76	278.57	306.20	1174.71	7038.10	5461.93	6619.03	385.11	353.58	384.80	348.88
77	253.41	269.55	890.20	6717.48	4689.81	6252.48	320.87	315.63	351.62	309.69
78	227.31	235.35	624.47	6123.10	3874.06	5654.09	270.54	281.05	312.82	273.86
79	204.63	203.58	478.52	5218.65	3093.89	4748.72	228.52	247.85	276.83	240.31
80	182.44	173.43	335.28	4215.36	2371.51	3700.48	190.91	214.94	244.17	207.89
81	159.36	146.13	192.03	3268.64	1805.30	2693.56	163.70	185.51	210.77	178.03
82	136.70	121.25	148.75	2486.47	1470.83	2109.33	136.50	160.87	179.16	151.28
83	115.04	99.17	117.92	1900.31	1137.25	1525.11	109.32	136.24	147.55	124.58
84	92.58	78.74	92.02	1450.31	939.27	945.23	86.90	111.62	115.89	102.81
85	70.64	60.65	69.21	1086.95	762.21	651.32	66.41	87.97	81.24	81.63
86	49.78	42.70	48.76	777.01	553.11	438.43	47.65	54.05	37.77	50.84
87	28.93	24.75	39.51	540.82	379.63	311.57	32.75	36.33	25.32	34.29
88	8.08	9.59	30.36	305.31	206.16	184.70	17.84	18.61	12.87	17.75
89	4.56	6.77	21.22	69.81	33.81	58.63	3.00	0.93	0.45	1.24
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3-28000LM3K.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	8368.76	8368.76	8368.76	8368.76	8368.76	8368.76	8368.76
1	8353.02	8357.34	8370.91	8376.97	8383.68	8387.02	8388.96
2	8331.71	8348.13	8375.29	8387.98	8401.73	8406.66	8410.57
3	8305.94	8339.79	8378.10	8397.27	8416.37	8427.08	8424.80
4	8279.73	8330.60	8380.36	8410.09	8429.14	8439.93	8438.52
5	8249.03	8318.56	8383.55	8419.98	8440.44	8447.36	8446.88
6	8214.91	8310.01	8388.81	8429.66	8447.62	8456.39	8448.59
7	8185.36	8298.76	8394.79	8437.90	8455.99	8458.61	8449.45
8	8151.03	8286.03	8401.25	8449.51	8463.32	8458.04	8448.62
9	8117.71	8278.02	8405.08	8455.84	8465.63	8456.29	8445.34
10	8079.96	8267.59	8409.64	8461.70	8468.88	8450.02	8432.16
11	8043.68	8254.73	8408.38	8465.24	8467.18	8440.88	8421.25
12	8003.32	8242.35	8408.15	8469.81	8465.43	8425.35	8396.97
13	7963.81	8229.59	8407.51	8471.34	8462.24	8403.38	8367.71
14	7921.84	8215.59	8409.20	8472.67	8452.98	8377.34	8331.03
15	7878.14	8199.74	8416.21	8474.44	8441.67	8346.04	8286.11
16	7837.97	8190.98	8418.61	8472.52	8424.45	8313.55	8236.05
17	7794.39	8179.02	8419.29	8473.55	8402.38	8268.29	8182.74
18	7751.20	8165.38	8421.24	8475.72	8379.56	8221.32	8120.36
19	7704.48	8149.71	8421.06	8469.26	8353.19	8172.06	8056.67
20	7658.29	8135.93	8419.31	8466.14	8325.24	8118.08	7988.38
21	7610.56	8119.04	8418.87	8465.27	8296.70	8058.69	7918.34
22	7566.62	8101.64	8418.00	8458.29	8264.82	7994.10	7835.25
23	7516.79	8084.93	8414.73	8453.92	8230.54	7923.93	7754.50
24	7470.89	8061.17	8415.58	8445.67	8190.37	7851.88	7660.65
25	7420.83	8044.03	8414.52	8434.02	8146.77	7772.40	7563.46
26	7370.15	8025.36	8417.71	8423.92	8103.18	7687.55	7467.58
27	7318.78	8000.51	8421.01	8412.30	8059.26	7601.67	7361.52
28	7266.03	7983.52	8422.76	8402.11	8011.02	7506.26	7251.55
29	7213.90	7962.93	8424.34	8391.91	7962.92	7408.54	7137.59
30	7162.18	7943.71	8426.27	8384.49	7912.64	7303.68	7019.06
31	7103.14	7928.28	8428.86	8375.60	7857.77	7199.86	6899.32
32	7050.45	7908.99	8431.08	8365.94	7800.66	7090.41	6779.58
33	6992.89	7892.61	8432.41	8359.32	7737.07	6984.10	6656.91
34	6937.25	7876.85	8432.86	8350.26	7672.28	6871.76	6527.21
35	6878.00	7862.27	8434.79	8337.70	7608.04	6764.86	6399.99
36	6823.52	7841.94	8437.61	8317.05	7536.87	6652.34	6272.49

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	6765.51	7821.26	8448.18	8306.27	7465.26	6542.52	6142.16
38	6704.84	7805.74	8459.95	8288.54	7396.58	6429.52	6008.54
39	6647.25	7786.91	8478.60	8266.97	7320.74	6312.95	5874.56
40	6587.77	7772.30	8499.57	8246.04	7244.56	6197.42	5739.26
41	6533.52	7748.16	8519.61	8230.22	7163.12	6074.89	5601.79
42	6476.69	7729.51	8537.48	8208.26	7085.56	5956.04	5463.47
43	6417.54	7713.10	8541.57	8191.46	7002.64	5829.47	5319.18
44	6360.73	7708.04	8534.99	8175.40	6916.67	5704.94	5176.88
45	6298.94	7711.19	8537.24	8169.33	6835.53	5578.44	5038.15
46	6237.05	7705.64	8542.56	8155.74	6748.33	5445.24	4895.12
47	6170.68	7673.45	8563.06	8123.60	6666.69	5307.42	4751.42
48	6106.61	7642.67	8580.55	8074.02	6583.95	5159.46	4597.64
49	6035.75	7621.02	8602.06	8027.26	6500.49	5001.79	4430.45
50	5962.45	7605.63	8625.32	7989.80	6418.99	4831.21	4248.13
51	5885.99	7592.81	8657.29	7952.18	6342.22	4640.36	4038.80
52	5797.22	7581.29	8691.38	7914.34	6267.25	4426.52	3815.26
53	5702.65	7571.93	8728.09	7877.66	6198.07	4189.86	3570.99
54	5602.39	7564.14	8770.02	7837.60	6141.77	3927.46	3330.70
55	5491.81	7557.28	8816.78	7797.68	6088.11	3653.79	3095.43
56	5374.94	7549.07	8866.80	7753.52	6046.53	3370.53	2873.12
57	5243.33	7546.44	8925.09	7711.86	6012.40	3082.46	2653.80
58	5091.92	7543.92	8993.04	7668.22	5988.08	2806.49	2426.18
59	4918.28	7545.87	9060.96	7629.11	5965.47	2542.99	2196.66
60	4723.03	7561.85	9139.73	7596.12	5932.01	2289.69	1965.65
61	4511.31	7585.54	9217.25	7568.21	5874.43	2040.58	1741.28
62	4279.28	7616.37	9303.24	7544.75	5774.91	1794.95	1526.94
63	4028.38	7666.16	9389.13	7524.63	5626.66	1573.28	1347.21
64	3754.31	7730.69	9468.68	7523.53	5404.43	1373.31	1189.10
65	3457.84	7814.88	9539.78	7534.42	5088.90	1200.54	1060.04
66	3124.53	7912.95	9597.55	7563.16	4668.73	1049.50	943.38
67	2762.99	8031.33	9628.86	7605.45	4145.17	920.22	835.50
68	2405.35	8154.93	9626.00	7663.38	3571.16	811.44	731.94
69	2066.61	8280.19	9580.88	7723.05	2972.82	714.20	638.95
70	1768.69	8379.37	9475.09	7773.24	2435.94	636.34	570.46
71	1524.23	8445.93	9292.69	7804.82	1995.56	571.61	502.09
72	1279.78	8414.91	9001.65	7813.18	1643.18	507.23	441.06
73	1035.80	8272.55	8598.40	7809.90	1347.42	451.95	387.41
74	809.94	8038.35	8058.68	7833.61	1082.34	396.65	343.62
75	615.16	7706.76	7405.06	7851.46	856.07	348.64	307.00
76	465.64	7290.12	6649.19	7786.60	654.71	304.86	278.57
77	361.93	6776.69	5760.55	7570.53	524.29	265.52	253.41
78	292.10	6032.10	4794.87	7153.84	394.11	231.15	227.31
79	238.72	5030.16	3823.71	6428.91	263.93	198.87	204.63
80	194.14	3951.67	2900.80	5441.38	205.92	169.54	182.44
81	164.29	2979.05	2137.63	4387.83	164.51	142.86	159.36
82	134.44	2153.42	1591.09	3447.95	133.68	118.64	136.70
83	104.66	1674.40	1224.37	2687.95	107.63	96.93	115.04
84	82.50	1195.37	968.09	2044.79	83.85	76.72	92.58
85	63.11	716.70	758.94	1487.01	61.78	58.77	70.64
86	45.30	466.23	532.08	1037.74	43.20	40.84	49.78
87	31.80	319.38	305.10	688.85	24.64	22.90	28.93
88	18.30	172.53	78.13	363.28	10.29	7.51	8.08
89	4.83	26.65	59.55	37.97	7.50	4.23	4.56
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3-28000LM3K.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 : MPLSEL40HTT3-28000LM3K.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 : MPLSEL40HTT3-28000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3087.95	N.A.	10.70
0-30	6642.95	N.A.	23.00
0-40	11104.6	N.A.	38.40
0-60	20941.48	N.A.	72.40
0-80	28374.43	N.A.	98.10
0-90	28923.73	N.A.	100.00
10-90	28130.5	N.A.	97.30
20-40	8016.65	N.A.	27.70
20-50	12959.75	N.A.	44.80
40-70	14187.89	N.A.	49.10
60-80	7432.94	N.A.	25.70
70-80	3081.94	N.A.	10.70
80-90	549.30	N.A.	1.90
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	28923.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	793.23
10-20	2294.72
20-30	3555.00
30-40	4461.65
40-50	4943.1
50-60	4893.79
60-70	4351.00
70-80	3081.94
80-90	549.30
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3-28000LM3K.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	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	80	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	72	64	59	69	63	58	66	61	57	54
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	49	41	36	47	41	36	34
7	62	48	39	32	60	47	38	32	46	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	29	42	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	30	25	23
10	50	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

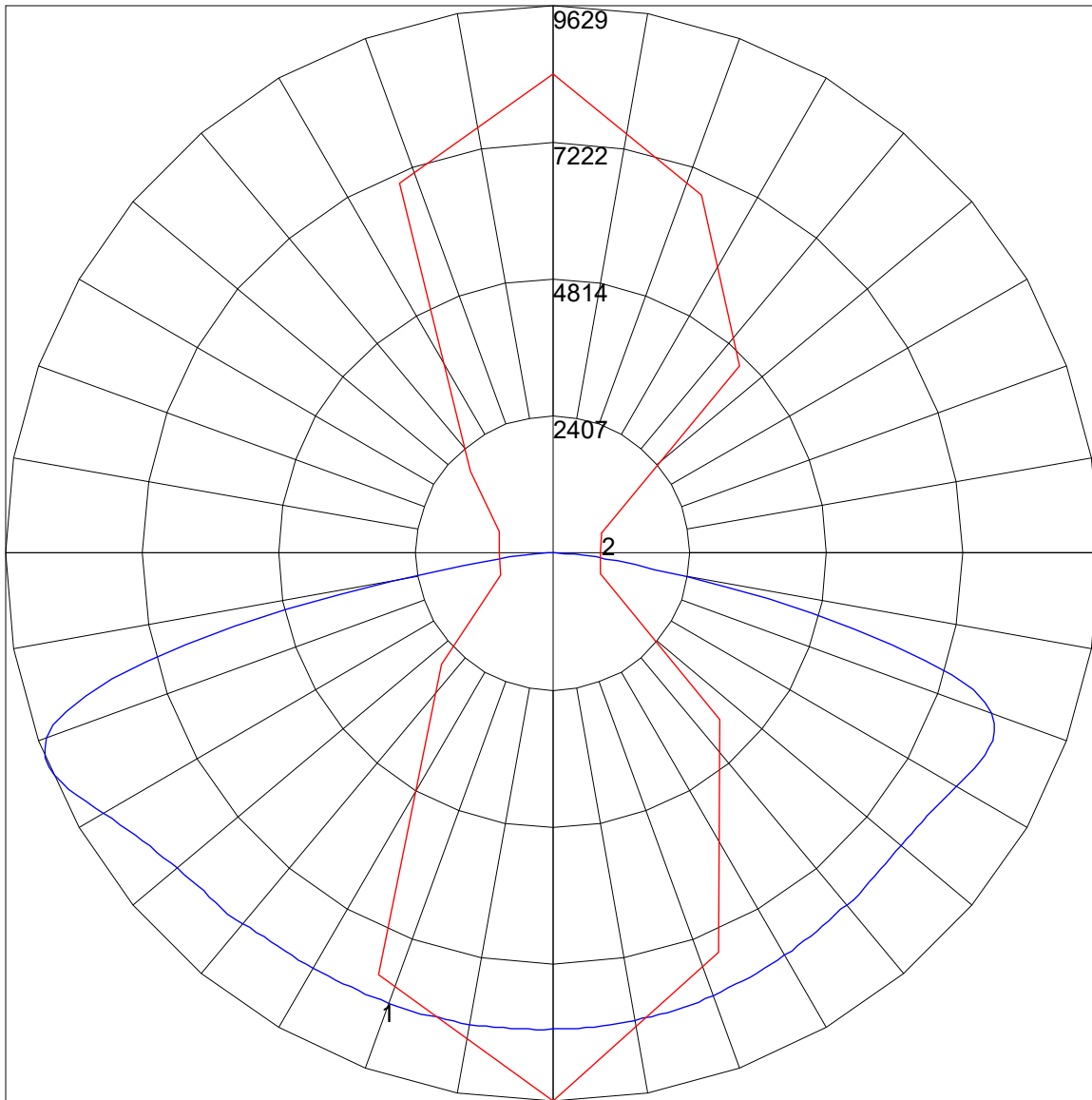
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL40HTT3-28000LM3K.IES

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	24.7	26.4	25.1	26.8	27.1	31.2	32.9	31.5	33.2	33.5
	3H	25.0	26.6	25.4	26.9	27.2	35.1	36.6	35.4	37.0	37.3
	4H	25.0	26.5	25.4	26.9	27.2	36.7	38.2	37.1	38.6	38.9
	6H	25.1	26.4	25.5	26.8	27.2	37.5	38.9	37.9	39.2	39.6
	8H	25.1	26.4	25.5	26.8	27.2	37.6	38.9	38.0	39.3	39.7
	12H	25.1	26.3	25.5	26.7	27.1	37.6	38.9	38.1	39.3	39.7
4H	2H	27.9	29.4	28.3	29.7	30.1	31.5	33.0	31.9	33.4	33.7
	3H	28.2	29.5	28.6	29.8	30.2	35.6	36.9	36.1	37.3	37.7
	4H	28.2	29.3	28.6	29.8	30.2	37.8	38.9	38.2	39.3	39.8
	6H	28.2	29.2	28.7	29.7	30.1	38.9	39.9	39.3	40.3	40.8
	8H	28.2	29.1	28.7	29.6	30.0	39.0	40.0	39.5	40.4	40.9
	12H	28.2	29.0	28.7	29.5	30.0	39.1	39.9	39.6	40.4	40.9
8H	4H	30.1	31.0	30.5	31.4	31.9	37.8	38.8	38.3	39.2	39.7
	6H	30.0	30.8	30.5	31.3	31.8	39.1	39.9	39.6	40.4	40.8
	8H	30.0	30.7	30.5	31.2	31.7	39.3	40.0	39.8	40.5	41.0
	12H	30.0	30.6	30.5	31.1	31.7	39.4	40.0	39.9	40.5	41.1
12H	4H	30.8	31.7	31.3	32.2	32.6	37.8	38.6	38.3	39.1	39.6
	6H	30.8	31.5	31.3	32.0	32.5	39.1	39.8	39.6	40.2	40.8
	8H	30.8	31.4	31.3	31.9	32.5	39.3	39.9	39.8	40.4	41.0

Maximum UGR = 41.1

POLAR GRAPH



Maximum Candela = 9628.86 Located At Horizontal Angle = 270, Vertical Angle = 67
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)