

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5-24000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49929E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-10-31
[ISSUEDATE] 2022-10-31 22:35:35
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT5-24000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	187
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.60
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.28 m
Luminous Width (90-270)	0.15 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	230680	215459	198591
55	239230	222561	208970
65	194355	194271	208187
75	64894	57144	88000
85	10854	12957	13061

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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	7085.35	7085.35	7085.35	7085.35	7085.35	7085.35	7085.35	7085.35	7085.35	7085.35
1	7124.60	7118.72	7108.63	7095.89	7080.76	7065.94	7055.52	7047.58	7047.05	7050.87
2	7163.35	7152.57	7131.35	7105.05	7076.11	7047.70	7025.49	7011.28	7008.42	7016.28
3	7202.71	7185.12	7154.56	7114.74	7071.75	7029.02	6996.13	6973.69	6970.45	6982.88
4	7243.16	7218.76	7176.22	7124.53	7066.83	7010.15	6966.09	6937.31	6931.92	6948.75
5	7282.88	7252.51	7198.97	7133.63	7061.88	6991.08	6934.91	6899.46	6893.19	6914.11
6	7322.89	7286.66	7220.99	7142.78	7057.50	6972.89	6904.30	6861.09	6854.83	6879.87
7	7363.99	7320.24	7241.79	7151.38	7051.74	6954.30	6873.71	6822.82	6818.12	6846.70
8	7402.86	7352.65	7261.55	7158.41	7046.70	6936.14	6842.04	6786.56	6783.42	6814.87
9	7440.86	7382.63	7280.82	7164.19	7040.52	6916.74	6812.18	6752.00	6747.80	6784.90
10	7479.16	7411.12	7297.13	7168.50	7033.01	6896.05	6782.69	6717.66	6713.48	6754.25
11	7516.03	7438.73	7311.25	7171.97	7025.61	6876.21	6755.49	6685.50	6679.02	6724.63
12	7550.78	7464.08	7322.94	7173.13	7016.46	6857.60	6729.83	6654.76	6644.19	6694.87
13	7583.06	7487.07	7332.47	7172.32	7006.61	6838.43	6704.39	6624.26	6609.80	6666.52
14	7611.44	7506.20	7338.62	7170.59	6994.28	6819.56	6678.86	6594.68	6574.58	6639.06
15	7637.66	7522.76	7344.82	7165.48	6980.77	6800.57	6653.67	6563.94	6540.37	6611.12
16	7660.75	7535.75	7348.53	7159.69	6966.43	6782.76	6625.07	6533.51	6509.47	6582.39
17	7682.56	7547.07	7350.14	7151.59	6951.60	6762.57	6597.84	6503.21	6478.27	6553.17
18	7699.73	7556.17	7346.69	7140.79	6936.00	6742.99	6571.24	6470.65	6448.33	6525.12
19	7712.66	7561.49	7339.47	7127.18	6919.65	6722.23	6544.43	6439.61	6417.99	6495.22
20	7722.06	7562.88	7327.42	7112.25	6902.49	6699.12	6517.90	6408.83	6386.91	6465.15
21	7726.71	7560.59	7313.43	7095.88	6884.90	6675.16	6490.16	6375.42	6355.26	6434.31
22	7725.98	7552.90	7295.29	7077.86	6866.09	6650.84	6460.96	6342.62	6325.03	6405.36
23	7721.46	7541.22	7275.09	7057.02	6844.09	6625.58	6429.30	6308.07	6293.58	6376.77
24	7711.11	7525.48	7253.97	7032.31	6821.42	6600.12	6394.71	6270.83	6258.14	6346.41
25	7693.65	7505.74	7230.71	7005.66	6798.08	6572.82	6359.79	6233.39	6223.71	6316.24
26	7673.61	7482.54	7206.70	6976.90	6773.16	6545.78	6325.66	6192.30	6186.40	6285.01
27	7649.71	7456.73	7182.19	6948.61	6746.65	6518.00	6292.99	6152.31	6148.16	6250.89
28	7625.56	7429.47	7156.64	6919.24	6717.89	6489.18	6260.61	6112.48	6107.26	6211.32
29	7601.44	7402.29	7127.71	6889.10	6685.81	6458.83	6229.13	6075.14	6067.33	6172.88
30	7579.50	7373.53	7097.35	6856.59	6651.46	6426.80	6199.08	6039.52	6030.41	6136.81
31	7557.73	7343.28	7065.40	6822.61	6615.21	6393.70	6168.71	6005.35	5995.29	6102.07
32	7534.66	7311.72	7030.57	6786.54	6578.10	6359.95	6137.18	5972.20	5962.77	6068.08
33	7506.11	7280.38	6995.10	6747.93	6536.59	6323.95	6104.85	5936.09	5929.59	6035.03
34	7470.45	7247.63	6959.04	6706.42	6494.98	6287.77	6071.09	5900.85	5899.61	6002.47
35	7428.84	7212.96	6921.21	6663.79	6451.09	6250.82	6036.84	5866.62	5871.06	5969.56
36	7385.94	7172.95	6881.73	6619.81	6406.23	6212.13	6001.00	5832.49	5844.16	5936.26
37	7339.87	7129.17	6841.82	6574.80	6357.66	6171.98	5962.42	5798.74	5814.37	5901.63
38	7289.52	7081.64	6798.45	6527.17	6308.99	6129.46	5923.81	5763.94	5784.01	5867.45
39	7234.50	7030.94	6752.50	6479.71	6256.44	6084.47	5884.12	5729.49	5752.89	5835.12
40	7178.13	6979.13	6703.24	6428.21	6201.76	6038.19	5843.09	5694.56	5720.67	5803.05
41	7116.49	6923.19	6649.29	6374.54	6146.51	5989.84	5800.96	5660.48	5688.05	5771.37
42	7053.93	6866.09	6593.51	6317.08	6086.94	5937.96	5757.35	5625.27	5652.60	5738.90
43	6989.20	6804.03	6533.66	6258.70	6026.23	5884.65	5714.75	5588.35	5617.04	5704.89
44	6921.88	6738.83	6469.97	6197.64	5963.61	5829.32	5670.04	5549.84	5580.16	5670.78
45	6853.77	6669.69	6401.52	6134.05	5900.37	5771.43	5625.63	5508.92	5540.42	5636.84
46	6784.15	6595.59	6327.19	6066.83	5836.25	5711.34	5581.17	5466.65	5499.08	5600.86
47	6714.60	6516.45	6250.39	5994.74	5768.72	5648.81	5532.22	5421.39	5455.32	5563.07
48	6638.88	6434.24	6163.72	5919.03	5698.95	5584.18	5481.54	5376.18	5411.19	5523.53
49	6558.84	6345.53	6071.75	5838.61	5625.64	5515.08	5427.35	5328.60	5365.25	5482.19
50	6472.83	6252.86	5973.57	5757.88	5549.57	5443.88	5372.22	5280.40	5316.14	5438.09
51	6367.17	6151.20	5867.80	5672.25	5467.38	5371.32	5315.04	5233.29	5263.47	5392.74
52	6241.48	6041.32	5754.87	5583.06	5377.40	5297.41	5254.27	5184.73	5203.42	5343.53
53	6098.57	5908.85	5632.23	5484.31	5272.04	5220.80	5186.79	5132.09	5137.36	5294.82

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54	5939.07	5758.13	5500.82	5376.96	5155.91	5140.24	5115.86	5073.94	5060.57	5242.38
55	5765.54	5588.45	5363.83	5254.11	5036.27	5046.95	5039.14	5007.60	4973.56	5180.83
56	5584.53	5402.30	5215.50	5109.84	4910.81	4942.81	4956.36	4929.70	4874.95	5107.76
57	5399.30	5206.82	5060.13	4956.11	4787.09	4835.33	4869.52	4833.90	4772.32	5016.63
58	5209.94	4996.31	4888.85	4789.59	4664.51	4720.40	4776.21	4727.34	4669.89	4912.51
59	5021.03	4784.39	4709.64	4612.61	4538.44	4594.16	4676.65	4610.33	4573.97	4798.02
60	4829.18	4568.39	4516.67	4432.16	4412.88	4463.84	4563.65	4492.42	4487.15	4685.36
61	4617.86	4353.47	4313.13	4242.37	4291.57	4331.91	4437.72	4377.94	4411.55	4571.02
62	4380.87	4136.86	4101.19	4056.28	4168.84	4198.87	4289.67	4266.73	4347.63	4455.57
63	4102.77	3904.04	3884.03	3874.88	4031.86	4063.72	4110.35	4156.17	4288.81	4342.80
64	3785.71	3645.12	3662.46	3689.91	3876.34	3925.69	3902.08	4040.47	4222.61	4229.86
65	3451.26	3358.72	3449.76	3503.93	3696.88	3775.94	3676.11	3917.08	4135.36	4106.01
66	3114.06	3066.06	3238.89	3310.95	3486.09	3605.27	3456.10	3772.84	4014.76	3968.77
67	2777.86	2773.07	3019.80	3112.40	3252.50	3406.08	3250.72	3600.98	3853.02	3812.67
68	2479.30	2491.94	2778.17	2898.80	2974.65	3176.42	3047.80	3410.57	3658.95	3632.26
69	2193.89	2208.65	2501.39	2655.53	2649.52	2915.11	2862.99	3191.90	3428.68	3442.63
70	1911.51	1934.95	2174.47	2377.78	2307.33	2618.50	2692.13	2969.38	3178.48	3246.66
71	1620.81	1657.45	1792.08	2052.59	1958.23	2296.99	2501.26	2726.96	2899.71	3055.20
72	1346.72	1375.19	1408.04	1706.56	1631.51	1960.80	2258.73	2456.19	2593.05	2865.72
73	1091.58	1120.63	1060.65	1352.76	1389.15	1654.14	1970.83	2140.82	2251.61	2654.49
74	856.88	882.73	784.06	1050.91	1147.72	1347.47	1595.37	1765.93	1875.45	2397.93
75	705.72	654.77	621.44	822.89	957.00	1044.01	1219.91	1397.57	1518.12	2088.20
76	575.72	527.99	460.52	638.27	783.65	837.70	845.90	1030.47	1160.78	1700.77
77	445.90	402.13	299.61	518.45	624.16	662.66	565.43	761.02	808.50	1313.35
78	316.09	276.28	245.51	399.93	459.73	525.49	394.50	562.15	638.16	926.18
79	203.85	210.21	199.70	281.42	300.48	415.15	299.31	415.14	506.74	639.07
80	155.38	159.99	161.79	212.52	234.94	323.21	241.76	316.38	347.47	464.30
81	120.60	128.68	134.70	166.47	169.40	262.96	201.51	232.81	226.47	330.54
82	95.61	100.18	111.45	129.25	104.69	222.77	175.51	189.39	181.06	231.38
83	75.83	73.63	87.23	98.99	80.96	189.08	151.96	155.06	135.64	169.96
84	59.46	56.18	64.45	73.05	64.68	154.79	128.41	120.73	90.25	109.43
85	39.75	38.76	47.45	55.37	47.83	120.49	104.65	86.50	60.30	74.43
86	19.98	21.34	30.55	37.87	34.11	86.13	72.40	57.84	30.36	49.83
87	8.92	9.91	13.66	20.36	23.10	49.72	48.42	29.19	0.64	25.23
88	6.36	7.05	9.50	8.97	12.09	33.35	24.45	0.99	0.42	1.02
89	4.07	4.45	5.74	6.60	1.11	16.97	1.12	0.58	0.45	0.49
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 : MPLSEL25HTT5-24000LM4K.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	7085.35	7085.35	7085.35	7085.35	7085.35	7085.35	7085.35
1	7060.43	7074.31	7090.60	7104.42	7116.11	7122.52	7124.60
2	7035.94	7063.56	7095.90	7125.03	7148.35	7161.44	7163.35
3	7010.92	7052.23	7102.06	7146.59	7182.35	7200.03	7202.71
4	6985.66	7040.46	7106.95	7166.58	7214.05	7240.02	7243.16
5	6959.41	7028.20	7110.85	7186.47	7246.47	7278.97	7282.88
6	6932.78	7016.14	7115.94	7208.02	7280.99	7320.30	7322.89
7	6905.11	7002.66	7120.33	7229.86	7316.17	7361.53	7363.99
8	6879.60	6989.57	7124.71	7251.92	7352.32	7404.26	7402.86
9	6855.42	6976.49	7128.54	7273.30	7388.68	7445.86	7440.86
10	6832.51	6965.29	7133.03	7294.31	7420.41	7486.93	7479.16
11	6810.81	6954.82	7137.67	7310.66	7450.69	7524.39	7516.03
12	6789.49	6945.11	7142.41	7326.73	7478.25	7559.87	7550.78
13	6768.77	6936.40	7148.14	7339.34	7502.34	7592.26	7583.06
14	6748.34	6928.29	7153.36	7349.63	7523.43	7620.16	7611.44
15	6727.17	6921.09	7157.45	7359.71	7541.70	7644.03	7637.66
16	6705.63	6913.90	7160.69	7368.08	7556.37	7667.12	7660.75
17	6684.11	6905.75	7161.00	7376.50	7567.97	7687.10	7682.56
18	6663.51	6897.45	7158.65	7383.40	7578.14	7703.98	7699.73
19	6642.34	6887.80	7157.36	7387.89	7587.96	7718.59	7712.66
20	6620.69	6877.18	7155.22	7391.60	7594.75	7730.13	7722.06
21	6598.69	6864.67	7151.79	7392.10	7597.84	7737.60	7726.71
22	6576.58	6851.95	7146.42	7389.78	7596.42	7742.22	7725.98
23	6554.05	6839.23	7139.29	7384.19	7595.12	7740.38	7721.46
24	6531.49	6824.57	7130.58	7375.07	7589.85	7734.05	7711.11
25	6509.47	6807.90	7120.50	7363.50	7580.04	7721.65	7693.65
26	6485.73	6789.63	7107.56	7350.51	7567.06	7704.12	7673.61
27	6459.47	6771.17	7092.42	7337.69	7552.57	7684.19	7649.71
28	6431.69	6752.81	7074.47	7323.00	7534.59	7661.92	7625.56
29	6401.13	6732.77	7056.15	7306.59	7516.20	7640.31	7601.44
30	6369.94	6711.80	7035.62	7287.19	7495.84	7619.76	7579.50
31	6339.86	6689.34	7014.27	7266.84	7472.92	7594.08	7557.73
32	6311.79	6666.04	6992.33	7243.19	7446.88	7562.63	7534.66
33	6285.20	6640.29	6971.49	7215.83	7417.01	7525.48	7506.11
34	6259.71	6614.18	6951.68	7185.05	7385.96	7485.59	7470.45
35	6230.04	6585.27	6926.35	7149.14	7354.31	7445.16	7428.84
36	6199.44	6559.31	6888.02	7114.08	7321.51	7403.87	7385.94

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-24000LM4K.IES

CANDELA TABULATION - (Cont.)

37	6170.53	6535.06	6846.93	7078.15	7287.09	7359.98	7339.87
38	6141.45	6500.66	6804.49	7040.91	7249.60	7313.69	7289.52
39	6111.00	6456.84	6765.30	7000.83	7209.50	7264.74	7234.50
40	6080.88	6413.01	6726.74	6960.34	7168.78	7214.45	7178.13
41	6051.45	6372.47	6687.25	6915.53	7123.79	7160.07	7116.49
42	6020.78	6330.36	6646.59	6869.41	7076.19	7104.73	7053.93
43	5985.10	6288.59	6604.68	6819.44	7026.29	7047.88	6989.20
44	5948.13	6247.63	6560.88	6766.86	6971.17	6986.92	6921.88
45	5909.98	6205.09	6516.28	6714.07	6913.31	6924.00	6853.77
46	5872.29	6163.85	6465.85	6658.45	6847.98	6855.54	6784.15
47	5832.02	6118.02	6413.56	6602.37	6778.30	6781.73	6714.60
48	5791.06	6070.75	6356.37	6537.41	6702.87	6705.84	6638.88
49	5748.10	6018.35	6297.01	6467.84	6622.67	6625.63	6558.84
50	5701.48	5962.12	6235.68	6395.14	6540.33	6542.65	6472.83
51	5655.27	5904.07	6166.17	6313.17	6450.87	6453.39	6367.17
52	5604.39	5844.47	6091.11	6229.74	6357.63	6357.34	6241.48
53	5553.87	5780.60	6005.70	6137.38	6256.59	6247.29	6098.57
54	5501.84	5712.14	5914.47	6033.46	6151.61	6118.26	5939.07
55	5447.75	5633.42	5816.93	5916.22	6040.38	5974.80	5765.54
56	5389.24	5548.89	5718.18	5792.99	5920.03	5811.72	5584.53
57	5328.40	5460.52	5614.49	5665.63	5793.52	5633.06	5399.30
58	5259.67	5368.11	5505.53	5532.53	5656.99	5439.09	5209.94
59	5183.13	5270.16	5392.82	5395.41	5510.28	5239.53	5021.03
60	5094.43	5166.33	5275.98	5252.44	5354.29	5037.89	4829.18
61	4987.79	5058.73	5157.07	5101.16	5181.22	4829.96	4617.86
62	4862.73	4943.58	5044.69	4941.07	4987.40	4627.81	4380.87
63	4703.53	4819.38	4939.10	4779.00	4779.64	4416.86	4102.77
64	4515.77	4688.11	4818.94	4616.92	4550.23	4175.87	3785.71
65	4305.00	4554.44	4697.61	4456.58	4314.57	3904.05	3451.26
66	4075.56	4420.24	4567.54	4285.17	4066.91	3591.82	3114.06
67	3844.65	4263.85	4416.22	4096.51	3812.91	3262.29	2777.86
68	3607.07	4096.91	4251.29	3899.86	3560.05	2943.63	2479.30
69	3390.72	3915.69	4048.91	3686.51	3315.78	2630.20	2193.89
70	3199.38	3710.38	3817.76	3458.01	3052.25	2331.48	1911.51
71	3053.21	3481.57	3551.52	3199.46	2732.43	2034.62	1620.81
72	2934.34	3225.88	3281.84	2940.99	2357.85	1733.38	1346.72
73	2811.66	2964.96	2963.90	2662.79	1940.23	1427.55	1091.58
74	2633.24	2701.81	2574.41	2328.66	1506.82	1148.12	856.88
75	2353.28	2395.27	2167.44	1911.23	1093.41	889.87	705.72
76	2001.41	2034.72	1794.16	1449.02	750.52	671.86	575.72
77	1585.30	1661.45	1499.82	1094.54	599.21	543.97	445.90
78	1169.19	1288.19	1262.13	840.68	452.32	418.16	316.09
79	754.18	915.74	1025.09	661.71	305.44	292.35	203.85
80	473.69	689.56	710.36	522.77	243.43	200.66	155.38
81	323.92	477.02	343.26	385.14	190.05	151.20	120.60
82	224.73	326.49	255.50	247.51	144.97	117.87	95.61
83	171.22	217.39	174.70	164.90	110.97	84.58	75.83
84	117.74	164.92	93.90	115.01	88.24	64.23	59.46
85	91.07	112.94	69.69	73.94	66.61	46.96	39.75
86	65.80	87.54	53.64	54.31	47.18	29.76	19.98
87	44.17	61.83	37.76	35.19	27.80	12.56	8.92
88	22.54	41.36	21.88	16.07	8.43	8.65	6.36
89	1.36	20.89	8.76	4.77	5.96	5.16	4.07
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 : MPLSEL25HTT5-24000LM4K.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 : MPLSEL25HTT5-24000LM4K.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 : MPLSEL25HTT5-24000LM4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2679.18	N.A.	10.60
0-30	5884.72	N.A.	23.40
0-40	10051.74	N.A.	40.00
0-60	19679.69	N.A.	78.20
0-80	25049.83	N.A.	99.60
0-90	25157.24	N.A.	100.00
10-90	24480.8	N.A.	97.30
20-40	7372.55	N.A.	29.30
20-50	12160.47	N.A.	48.30
40-70	13487.73	N.A.	53.60
60-80	5370.14	N.A.	21.30
70-80	1510.37	N.A.	6.00
80-90	107.40	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	25157.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	676.43
10-20	2002.75
20-30	3205.54
30-40	4167.01
40-50	4787.92
50-60	4840.04
60-70	3859.77
70-80	1510.37
80-90	107.40
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 : MPLSEL25HTT5-24000LM4K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT5-24000LM4K.IES

UGR TABLE - CORRECTED

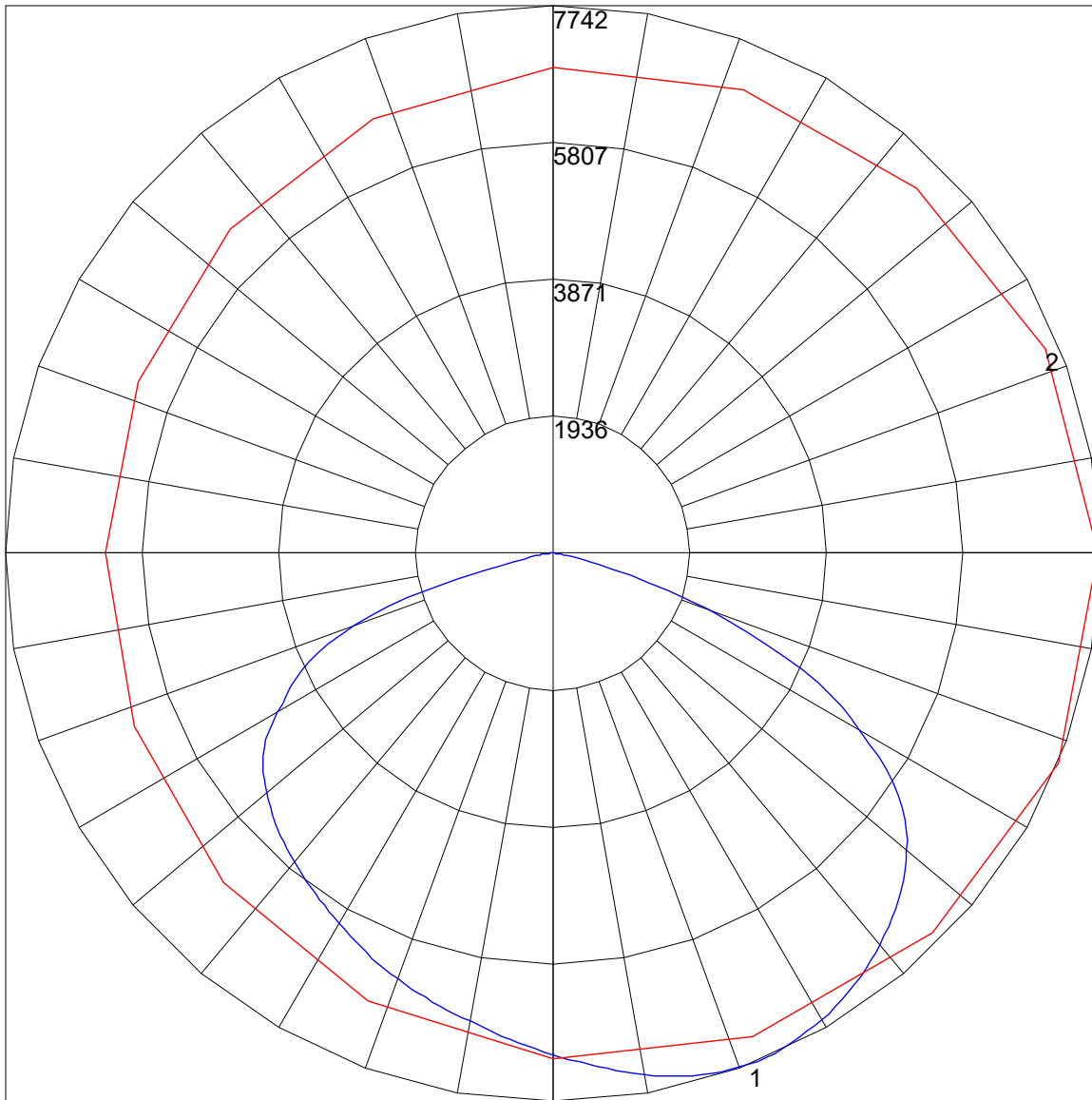
Reflectances

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	31.9	33.6	32.3	33.9	34.2	31.2	32.9	31.6	33.2	33.5
	3H	33.0	34.5	33.4	34.8	35.2	32.9	34.4	33.3	34.8	35.1
	4H	33.1	34.5	33.5	34.9	35.2	33.1	34.5	33.5	34.9	35.3
	6H	33.1	34.4	33.5	34.8	35.1	33.1	34.4	33.5	34.8	35.2
	8H	33.0	34.3	33.4	34.7	35.1	33.1	34.4	33.5	34.7	35.1
	12H	33.0	34.2	33.4	34.6	35.0	33.1	34.3	33.5	34.7	35.1
4H	2H	32.6	34.0	33.0	34.3	34.7	31.9	33.3	32.3	33.7	34.0
	3H	33.8	35.0	34.2	35.4	35.8	33.7	34.9	34.1	35.3	35.7
	4H	33.9	35.0	34.3	35.4	35.8	33.9	35.0	34.3	35.4	35.8
	6H	33.9	34.8	34.3	35.3	35.7	33.9	34.9	34.4	35.3	35.8
	8H	33.9	34.7	34.3	35.2	35.6	33.9	34.8	34.4	35.2	35.7
	12H	33.8	34.6	34.3	35.1	35.6	33.9	34.7	34.4	35.2	35.6
8H	4H	34.0	34.9	34.4	35.3	35.8	34.0	34.8	34.4	35.3	35.8
	6H	34.0	34.7	34.5	35.2	35.7	34.0	34.7	34.5	35.2	35.7
	8H	33.9	34.6	34.5	35.1	35.6	34.0	34.6	34.5	35.1	35.6
	12H	33.9	34.5	34.4	35.0	35.6	34.0	34.5	34.5	35.0	35.6
12H	4H	34.0	34.8	34.4	35.2	35.7	33.9	34.7	34.4	35.2	35.7
	6H	34.0	34.6	34.5	35.1	35.6	34.0	34.6	34.5	35.1	35.6
	8H	33.9	34.5	34.5	35.0	35.6	34.0	34.5	34.5	35.0	35.6

Maximum UGR = 35.8

POLAR GRAPH



Maximum Candela = 7742.22 Located At Horizontal Angle = 337.5, Vertical Angle = 22
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22) (Through Max. Cd.)