

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-24000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49931E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-11-01
[ISSUE DATE] 2022-11-30 19:16:13
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT5HV-24000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	24509
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	191.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.50
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.54
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	224355	206564	184842
55	231973	208260	193671
65	178965	189425	198680
75	60210	55848	91069
85	15114	13192	11117

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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	7377.40	7377.40	7377.40	7377.40	7377.40	7377.40	7377.40	7377.40	7377.40	7377.40
1	7410.81	7406.28	7397.03	7385.07	7370.59	7358.18	7348.74	7342.53	7342.52	7348.15
2	7443.52	7432.17	7414.53	7390.37	7361.05	7336.97	7319.11	7308.57	7308.97	7317.67
3	7475.59	7459.67	7431.14	7394.00	7351.44	7314.90	7287.72	7273.23	7273.19	7286.49
4	7508.62	7485.01	7445.98	7396.05	7339.69	7292.66	7256.19	7237.28	7237.78	7255.82
5	7539.79	7508.89	7458.80	7396.50	7326.86	7268.78	7224.36	7201.37	7202.62	7225.08
6	7572.35	7531.18	7469.25	7395.02	7313.21	7244.31	7192.76	7166.14	7168.44	7194.45
7	7605.04	7553.24	7479.77	7392.41	7297.27	7218.93	7161.70	7130.73	7134.31	7165.43
8	7637.31	7574.25	7487.49	7387.53	7280.23	7194.31	7129.93	7097.46	7101.25	7137.43
9	7667.51	7593.43	7494.52	7379.91	7260.50	7168.29	7099.72	7063.26	7070.36	7108.99
10	7694.08	7611.25	7498.64	7370.68	7239.90	7141.63	7069.21	7031.70	7037.74	7080.60
11	7718.72	7626.18	7499.99	7359.64	7218.05	7114.35	7039.90	6998.94	7005.52	7052.61
12	7741.43	7640.68	7499.16	7345.94	7194.38	7085.09	7008.80	6965.96	6974.18	7024.04
13	7761.56	7651.44	7497.00	7330.19	7169.66	7056.22	6978.18	6931.26	6941.80	6994.51
14	7777.17	7660.13	7492.15	7313.68	7141.38	7024.63	6945.90	6897.96	6909.11	6963.82
15	7790.95	7666.82	7484.75	7293.50	7112.09	6991.94	6911.72	6864.91	6876.81	6933.85
16	7800.23	7670.70	7474.12	7270.44	7080.83	6956.95	6876.08	6831.97	6846.26	6903.33
17	7807.35	7670.58	7460.23	7245.58	7047.09	6919.65	6839.89	6798.36	6816.11	6873.44
18	7811.12	7668.26	7444.20	7216.88	7012.84	6880.73	6803.07	6765.97	6785.62	6844.23
19	7812.06	7662.25	7425.67	7186.95	6976.03	6840.82	6764.49	6731.48	6755.53	6814.15
20	7808.89	7651.89	7401.40	7153.41	6938.31	6799.35	6726.00	6694.19	6723.87	6782.30
21	7802.86	7636.37	7373.60	7118.59	6898.99	6755.62	6683.10	6656.74	6691.08	6749.96
22	7792.45	7617.59	7340.57	7082.03	6858.52	6710.04	6638.35	6619.89	6658.36	6717.93
23	7775.31	7593.08	7305.03	7042.69	6815.61	6664.36	6592.67	6578.46	6624.35	6685.43
24	7753.74	7564.57	7268.78	7002.16	6769.20	6617.80	6546.85	6535.91	6590.06	6652.16
25	7724.67	7531.02	7231.25	6956.47	6722.09	6570.23	6502.67	6495.85	6554.47	6617.73
26	7690.09	7497.92	7194.66	6910.16	6673.09	6520.02	6458.13	6451.75	6518.36	6580.48
27	7653.82	7462.56	7155.38	6861.36	6624.26	6471.00	6415.39	6406.85	6480.29	6544.05
28	7615.24	7426.42	7112.97	6812.42	6571.69	6420.35	6371.35	6361.73	6438.77	6503.69
29	7572.85	7389.62	7068.77	6760.47	6517.80	6370.81	6328.27	6317.83	6397.47	6459.72
30	7530.00	7349.94	7024.45	6708.75	6463.20	6320.61	6284.90	6276.35	6358.29	6415.37
31	7486.44	7309.72	6978.40	6654.20	6406.22	6270.40	6241.88	6235.79	6317.53	6371.78
32	7442.19	7266.15	6931.09	6597.70	6347.04	6218.86	6196.18	6195.57	6279.05	6330.47
33	7395.57	7221.38	6882.83	6539.67	6288.04	6168.33	6149.99	6156.19	6241.59	6290.04
34	7347.11	7173.38	6831.73	6481.23	6227.17	6113.66	6103.89	6116.14	6204.16	6249.56
35	7296.52	7124.10	6782.03	6422.40	6165.53	6059.93	6055.60	6074.10	6166.90	6207.43
36	7243.00	7073.46	6727.49	6360.42	6100.73	6003.64	6006.17	6031.34	6127.83	6165.00
37	7189.15	7018.80	6673.24	6301.47	6038.71	5947.31	5956.87	5989.86	6088.02	6124.17
38	7132.74	6961.98	6616.21	6238.58	5974.58	5888.46	5906.71	5946.39	6048.27	6083.38
39	7073.31	6901.26	6558.00	6175.59	5908.65	5831.35	5855.09	5901.94	6006.66	6042.81
40	7011.41	6839.44	6496.26	6111.96	5842.30	5770.70	5801.23	5857.09	5965.92	6002.17
41	6947.65	6774.61	6432.48	6045.46	5774.34	5709.91	5747.34	5812.75	5923.34	5961.70
42	6881.61	6708.20	6364.60	5977.95	5705.03	5647.76	5692.02	5765.94	5879.59	5920.74
43	6809.46	6639.22	6292.83	5908.28	5633.88	5583.59	5635.10	5719.47	5834.09	5879.21
44	6737.56	6565.73	6217.39	5838.55	5563.05	5519.33	5578.63	5670.61	5786.56	5838.62
45	6665.82	6492.70	6137.25	5765.64	5491.85	5451.53	5519.07	5619.94	5738.66	5793.73
46	6589.51	6412.32	6054.33	5689.67	5417.69	5383.49	5459.78	5566.81	5686.08	5749.18
47	6513.90	6328.94	5963.67	5610.60	5344.28	5313.09	5397.68	5511.67	5632.23	5700.57
48	6433.76	6239.81	5866.34	5525.56	5268.06	5239.69	5334.63	5454.57	5575.92	5650.68
49	6348.41	6146.67	5764.47	5436.92	5191.31	5166.71	5267.64	5396.46	5516.36	5599.24
50	6264.10	6052.10	5659.14	5347.39	5110.31	5088.71	5198.06	5336.60	5455.59	5545.84
51	6165.41	5947.35	5543.71	5251.26	5030.61	5010.87	5125.71	5277.17	5387.21	5490.24
52	6048.24	5835.50	5421.59	5150.86	4943.62	4929.76	5047.82	5210.87	5306.00	5432.37
53	5912.77	5716.20	5293.19	5042.98	4854.32	4847.54	4965.69	5138.71	5211.54	5372.77

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54	5761.78	5577.83	5159.22	4933.61	4761.67	4761.19	4875.68	5049.69	5104.00	5305.05
55	5590.64	5417.53	5019.15	4817.31	4667.55	4669.99	4779.09	4944.43	4989.10	5225.37
56	5401.92	5236.16	4873.32	4696.44	4569.97	4578.58	4678.73	4823.02	4871.92	5132.39
57	5214.39	5034.10	4720.87	4571.04	4471.91	4479.83	4568.21	4694.65	4761.69	5025.73
58	5020.48	4819.03	4564.19	4441.86	4367.66	4378.83	4449.14	4560.23	4662.24	4907.75
59	4821.14	4590.85	4408.00	4308.81	4262.97	4276.05	4319.07	4426.54	4579.06	4784.25
60	4616.01	4375.61	4249.28	4172.97	4155.92	4168.76	4179.76	4295.82	4511.74	4667.03
61	4387.97	4151.69	4087.82	4029.06	4045.26	4056.46	4022.76	4165.08	4455.00	4557.69
62	4134.24	3930.25	3917.10	3878.81	3935.50	3938.52	3851.33	4040.61	4399.29	4450.31
63	3841.98	3706.85	3742.04	3724.52	3817.58	3816.49	3671.29	3911.90	4331.04	4344.75
64	3521.40	3467.55	3556.85	3571.11	3685.64	3687.09	3489.17	3771.90	4239.40	4233.27
65	3177.98	3203.33	3363.71	3413.54	3528.06	3551.68	3319.93	3618.91	4112.04	4108.52
66	2848.94	2924.31	3173.12	3247.41	3349.03	3403.00	3165.29	3456.48	3950.34	3953.55
67	2545.91	2638.41	2973.60	3062.04	3141.95	3231.26	3029.45	3278.35	3748.65	3763.75
68	2273.67	2358.87	2762.87	2863.27	2900.71	3037.83	2914.64	3096.77	3516.96	3540.98
69	2029.94	2074.35	2518.41	2647.95	2636.39	2821.59	2814.48	2914.53	3257.03	3307.24
70	1797.95	1786.80	2212.19	2389.13	2333.58	2582.96	2710.42	2727.47	2965.48	3076.04
71	1556.75	1500.82	1837.67	2088.41	2009.96	2328.36	2564.66	2523.98	2634.04	2843.74
72	1305.54	1222.13	1439.24	1748.93	1668.69	2036.81	2348.16	2282.75	2284.38	2611.32
73	1062.40	988.05	1099.77	1392.57	1442.10	1705.61	2035.63	1992.40	1939.59	2337.90
74	819.17	801.94	828.72	1075.83	1215.52	1374.40	1632.62	1633.28	1613.38	2022.43
75	654.79	630.70	607.35	852.68	990.38	1045.61	1229.62	1274.15	1287.16	1651.00
76	543.72	526.54	475.46	673.71	824.76	807.96	829.88	918.24	965.04	1279.56
77	434.51	424.73	346.70	547.67	642.90	644.00	529.74	659.97	766.20	909.46
78	325.29	322.91	272.91	422.09	446.81	507.09	375.38	496.14	613.14	666.38
79	225.84	240.32	217.83	296.52	247.46	391.84	293.70	389.56	455.17	493.96
80	165.27	171.46	175.25	222.75	197.01	295.85	231.51	285.62	305.10	355.90
81	133.82	137.87	144.61	172.59	146.57	235.61	189.01	219.79	240.93	240.64
82	108.97	112.64	117.06	130.59	96.23	189.35	160.75	179.66	176.75	195.72
83	88.48	86.82	90.68	96.93	76.92	151.72	132.49	139.53	113.03	150.80
84	75.10	64.28	66.47	66.10	56.54	114.12	104.13	99.64	79.77	106.39
85	55.35	46.69	48.31	48.58	40.71	77.32	72.77	66.37	53.06	76.46
86	35.51	29.16	30.21	31.18	27.70	52.10	48.78	33.10	26.35	51.16
87	15.67	11.64	12.11	13.78	14.68	26.89	24.80	0.81	0.42	25.86
88	5.49	8.10	8.51	9.68	1.83	1.99	1.00	0.52	0.41	0.88
89	3.58	4.93	5.26	5.88	0.71	0.67	0.60	0.52	0.45	0.48
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 : MPLSEL25HTT5HV-24000LM3K.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	7377.40	7377.40	7377.40	7377.40	7377.40	7377.40	7377.40
1	7357.89	7369.05	7383.60	7395.37	7405.42	7411.22	7410.81
2	7336.24	7360.16	7388.00	7411.12	7431.28	7442.00	7443.52
3	7314.85	7350.12	7391.42	7426.85	7457.78	7474.54	7475.59
4	7292.07	7338.82	7393.02	7442.72	7484.31	7507.26	7508.62
5	7269.19	7326.78	7394.11	7457.68	7510.76	7539.06	7539.79
6	7247.06	7313.79	7397.07	7472.57	7536.01	7572.46	7572.35
7	7223.77	7300.02	7398.85	7486.61	7559.43	7605.59	7605.04
8	7200.62	7285.74	7395.71	7496.86	7581.92	7636.58	7637.31
9	7178.31	7270.01	7392.00	7503.99	7601.30	7666.31	7667.51
10	7154.42	7253.05	7386.45	7507.89	7618.27	7692.02	7694.08
11	7130.11	7235.22	7378.72	7509.44	7631.95	7714.72	7718.72
12	7104.92	7215.49	7369.28	7508.62	7641.73	7736.26	7741.43
13	7077.59	7195.42	7357.57	7505.60	7649.85	7754.72	7761.56
14	7050.59	7175.00	7343.66	7499.11	7653.71	7768.18	7777.17
15	7022.51	7153.78	7328.28	7491.25	7655.75	7777.60	7790.95
16	6994.96	7132.23	7310.96	7480.61	7656.41	7784.28	7800.23
17	6967.54	7108.86	7291.52	7467.14	7653.29	7788.20	7807.35
18	6939.81	7083.46	7269.98	7451.95	7647.14	7790.00	7811.12
19	6911.54	7057.32	7245.98	7435.43	7638.21	7788.56	7812.06
20	6884.23	7029.17	7219.95	7415.44	7626.51	7784.27	7808.89
21	6855.07	7000.66	7191.97	7393.62	7611.67	7777.38	7802.86
22	6825.16	6972.32	7163.10	7368.01	7594.36	7767.21	7792.45
23	6795.50	6941.98	7130.73	7339.80	7573.80	7751.81	7775.31
24	6762.77	6911.40	7097.75	7309.82	7546.41	7732.56	7753.74
25	6729.30	6879.16	7062.96	7278.98	7516.67	7708.37	7724.67
26	6690.36	6845.36	7026.59	7244.49	7484.23	7679.32	7690.09
27	6651.25	6807.69	6986.63	7206.68	7449.00	7646.07	7653.82
28	6609.40	6768.41	6946.78	7166.01	7410.78	7608.83	7615.24
29	6564.80	6727.73	6904.88	7120.62	7370.82	7567.47	7572.85
30	6520.87	6687.09	6862.42	7073.69	7330.21	7525.18	7530.00
31	6478.11	6644.83	6818.84	7025.16	7289.43	7482.61	7486.44
32	6435.48	6600.91	6775.72	6975.63	7245.22	7437.64	7442.19
33	6393.53	6553.86	6731.12	6927.06	7199.40	7391.23	7395.57
34	6350.69	6508.07	6681.88	6874.71	7153.33	7342.11	7347.11
35	6306.85	6461.46	6630.93	6823.56	7106.19	7292.15	7296.52
36	6262.49	6413.17	6576.08	6766.94	7056.04	7240.24	7243.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	6218.04	6364.10	6520.23	6710.63	7005.33	7187.48	7189.15
38	6172.63	6310.45	6462.49	6651.38	6952.56	7131.12	7132.74
39	6126.70	6257.04	6401.06	6591.48	6897.29	7072.30	7073.31
40	6080.63	6202.41	6339.74	6530.60	6841.19	7011.77	7011.41
41	6035.39	6147.84	6278.44	6468.47	6780.62	6947.46	6947.65
42	5986.57	6091.37	6217.01	6402.78	6719.34	6881.65	6881.61
43	5936.19	6033.15	6151.40	6336.38	6654.04	6811.83	6809.46
44	5885.31	5975.07	6084.80	6269.22	6585.91	6740.61	6737.56
45	5834.70	5912.96	6016.58	6200.17	6514.60	6667.89	6665.82
46	5781.93	5849.79	5945.38	6129.36	6441.35	6588.78	6589.51
47	5729.14	5785.00	5874.16	6055.35	6362.87	6508.36	6513.90
48	5674.54	5718.07	5801.59	5976.79	6279.99	6423.30	6433.76
49	5620.47	5649.54	5726.32	5895.39	6190.60	6335.31	6348.41
50	5563.46	5580.20	5652.51	5812.34	6097.87	6247.10	6264.10
51	5506.79	5509.03	5573.09	5723.18	6000.54	6150.81	6165.41
52	5446.11	5434.96	5491.71	5633.47	5895.33	6048.29	6048.24
53	5386.32	5360.69	5407.41	5538.08	5786.50	5935.39	5912.77
54	5321.67	5281.30	5319.70	5437.42	5672.68	5806.93	5761.78
55	5255.17	5199.43	5231.89	5331.05	5550.12	5657.20	5590.64
56	5185.34	5115.31	5141.12	5217.92	5420.44	5490.65	5401.92
57	5108.08	5027.07	5046.30	5105.22	5279.81	5303.23	5214.39
58	5024.85	4939.32	4949.49	4987.08	5132.02	5099.37	5020.48
59	4935.46	4849.34	4853.46	4863.24	4977.00	4891.91	4821.14
60	4840.54	4759.35	4755.84	4738.32	4814.21	4683.62	4616.01
61	4734.19	4665.34	4650.33	4604.55	4637.68	4475.00	4387.97
62	4604.35	4566.18	4540.53	4466.83	4444.75	4265.87	4134.24
63	4454.58	4462.58	4427.04	4322.00	4245.67	4052.76	3841.98
64	4281.44	4348.30	4313.20	4166.03	4033.74	3826.01	3521.40
65	4086.38	4226.17	4200.85	4003.89	3819.53	3577.64	3177.98
66	3872.43	4092.11	4087.49	3837.15	3613.77	3304.01	2848.94
67	3658.86	3956.25	3965.06	3669.00	3420.01	3017.24	2545.91
68	3447.78	3813.28	3838.89	3506.07	3249.67	2744.31	2273.67
69	3251.85	3650.29	3699.04	3334.60	3097.03	2491.50	2029.94
70	3081.17	3469.04	3540.57	3162.22	2940.32	2243.75	1797.95
71	2932.43	3268.85	3359.39	2987.29	2750.39	1989.26	1556.75
72	2794.87	3056.87	3152.03	2807.03	2512.07	1716.00	1305.54
73	2658.76	2833.58	2916.69	2620.84	2232.41	1426.99	1062.40
74	2494.22	2598.01	2638.49	2402.00	1880.89	1150.75	819.17
75	2237.53	2328.90	2277.37	2127.29	1480.21	898.73	654.79
76	1864.79	2008.57	1858.75	1761.39	1101.43	679.83	543.72
77	1419.73	1611.71	1444.60	1324.63	774.21	562.81	434.51
78	976.01	1214.85	1142.98	931.14	617.21	446.98	325.29
79	584.89	818.00	941.04	674.59	460.27	331.16	225.84
80	368.37	611.04	724.98	532.21	303.34	238.42	165.27
81	264.55	431.97	534.59	392.39	233.16	172.26	133.82
82	213.07	292.48	344.86	252.57	179.29	133.08	108.97
83	161.59	209.91	155.12	175.96	136.55	104.75	88.48
84	111.09	172.29	118.79	126.08	108.08	81.35	75.10
85	88.34	134.67	87.36	96.01	87.30	59.91	55.35
86	67.26	97.11	65.22	67.49	65.15	41.04	35.51
87	45.65	67.97	48.59	48.99	45.41	22.19	15.67
88	24.05	45.66	32.11	30.76	25.73	9.49	5.49
89	2.80	23.36	15.64	12.53	6.06	6.85	3.58
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 : MPLSEL25HTT5HV-24000LM3K.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 : MPLSEL25HTT5HV-24000LM3K.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 : MPLSEL25HTT5HV-24000LM3K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2759.04	N.A.	11.30
0-30	5992.15	N.A.	24.40
0-40	10103.66	N.A.	41.20
0-60	19305.86	N.A.	78.80
0-80	24402.73	N.A.	99.60
0-90	24508.79	N.A.	100.00
10-90	23806.55	N.A.	97.10
20-40	7344.62	N.A.	30.00
20-50	11967.5	N.A.	48.80
40-70	12830.3	N.A.	52.30
60-80	5096.87	N.A.	20.80
70-80	1468.77	N.A.	6.00
80-90	106.05	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	24508.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	702.23
10-20	2056.81
20-30	3233.11
30-40	4111.51
40-50	4622.88
50-60	4579.32
60-70	3628.1
70-80	1468.77
80-90	106.05
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 : MPLSEL25HTT5HV-24000LM3K.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	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	69	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

IES INDOOR REPORT
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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

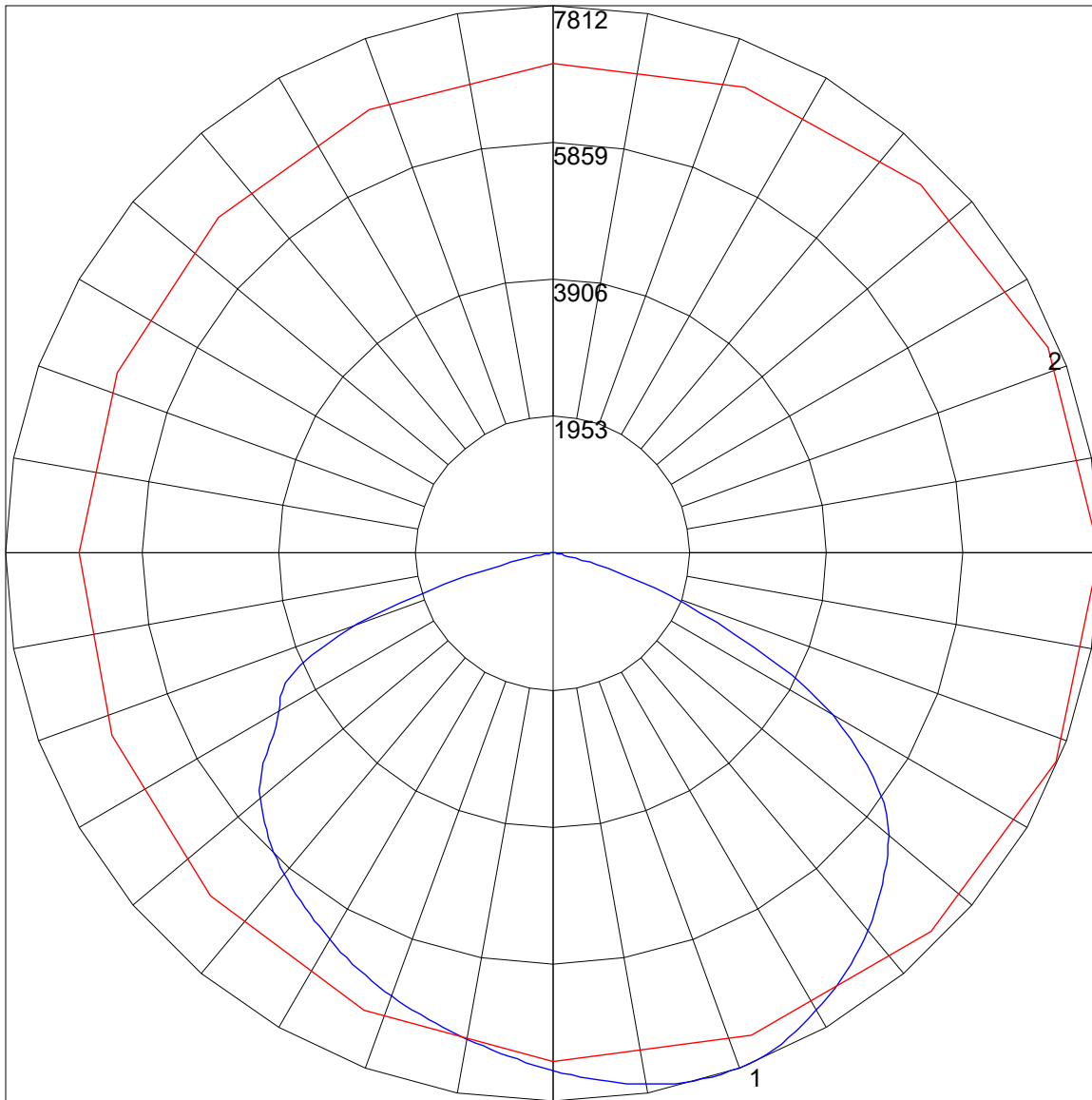
Room Size UGR Viewed Crosswise

UGR Viewed Endwise

X=2H	Y=2H	31.7	33.4	32.0	33.7	34.0	30.8	32.5	31.2	32.8	33.1
	3H	32.7	34.2	33.1	34.5	34.9	32.6	34.2	33.0	34.5	34.8
	4H	32.8	34.2	33.2	34.6	35.0	32.9	34.3	33.3	34.7	35.0
	6H	32.8	34.1	33.2	34.5	34.9	32.9	34.2	33.3	34.6	35.0
	8H	32.8	34.0	33.2	34.4	34.8	32.9	34.1	33.3	34.5	34.9
	12H	32.7	34.0	33.2	34.3	34.8	32.9	34.1	33.3	34.4	34.9
4H	2H	32.3	33.7	32.7	34.0	34.4	31.5	32.9	31.9	33.2	33.6
	3H	33.5	34.7	33.9	35.1	35.5	33.5	34.7	33.9	35.0	35.4
	4H	33.6	34.7	34.0	35.1	35.5	33.7	34.8	34.1	35.2	35.6
	6H	33.6	34.5	34.1	35.0	35.4	33.8	34.7	34.2	35.1	35.6
	8H	33.6	34.5	34.0	34.9	35.4	33.7	34.6	34.2	35.0	35.5
	12H	33.6	34.4	34.0	34.8	35.3	33.7	34.5	34.2	35.0	35.4
8H	4H	33.8	34.6	34.2	35.1	35.5	33.8	34.7	34.3	35.1	35.6
	6H	33.7	34.5	34.2	35.0	35.4	33.8	34.6	34.3	35.0	35.5
	8H	33.7	34.4	34.2	34.9	35.4	33.8	34.5	34.3	35.0	35.4
	12H	33.7	34.3	34.2	34.8	35.3	33.8	34.4	34.3	34.9	35.4
12H	4H	33.7	34.5	34.2	35.0	35.5	33.8	34.6	34.2	35.0	35.5
	6H	33.7	34.4	34.3	34.8	35.4	33.8	34.5	34.3	34.9	35.5
	8H	33.7	34.3	34.2	34.8	35.3	33.8	34.4	34.3	34.9	35.4

Maximum UGR = 35.6

POLAR GRAPH



Maximum Candela = 7812.06 Located At Horizontal Angle = 0, Vertical Angle = 19
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (19) (Through Max. Cd.)