

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-24000LM5K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-49931E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-11-01  
[ISSUEDATE] 2022-11-30 19:19:48  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL25HTT5HV-24000LM5K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25388
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	193
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.44
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	228483	219538	207243
55	241320	225891	215460
65	204403	198870	207087
75	70418	54059	85718
85	14819	13514	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	7157.89	7157.89	7157.89	7157.89	7157.89	7157.89	7157.89	7157.89	7157.89	7157.89
1	7189.82	7190.23	7185.48	7176.40	7164.23	7151.74	7139.67	7130.67	7125.50	7126.35
2	7220.87	7220.86	7211.48	7194.39	7169.95	7144.99	7120.32	7102.22	7092.47	7092.81
3	7252.24	7250.74	7236.67	7211.22	7175.15	7137.59	7100.38	7072.59	7057.67	7059.74
4	7283.61	7281.51	7261.90	7228.58	7180.94	7130.30	7080.22	7043.33	7023.46	7026.27
5	7315.50	7311.32	7286.85	7245.33	7185.37	7121.16	7059.54	7014.00	6990.13	6992.96
6	7348.57	7341.89	7310.55	7259.98	7189.38	7112.06	7038.38	6985.42	6958.51	6961.63
7	7381.39	7372.51	7332.25	7274.46	7192.20	7101.46	7016.95	6957.12	6926.99	6929.86
8	7413.36	7400.69	7353.22	7286.76	7193.89	7090.26	6995.65	6928.99	6896.38	6900.85
9	7443.81	7428.64	7371.71	7298.13	7195.37	7079.29	6976.73	6903.53	6866.59	6871.41
10	7473.69	7455.54	7388.62	7306.91	7194.51	7069.01	6959.22	6880.05	6836.50	6843.36
11	7502.83	7479.69	7402.91	7314.44	7193.17	7059.65	6942.82	6856.35	6806.75	6814.15
12	7528.31	7500.85	7415.39	7319.05	7190.42	7050.56	6926.37	6831.80	6777.03	6785.71
13	7553.39	7519.14	7425.79	7322.80	7187.15	7041.43	6909.96	6809.17	6748.74	6757.64
14	7575.55	7534.42	7434.29	7323.69	7183.13	7031.97	6892.52	6785.21	6719.31	6728.68
15	7594.99	7548.28	7440.75	7323.69	7177.01	7022.24	6874.00	6761.93	6691.79	6702.85
16	7612.28	7558.91	7444.66	7321.99	7170.27	7009.85	6853.79	6737.76	6665.32	6675.95
17	7627.41	7566.20	7445.98	7318.60	7162.14	6996.63	6834.03	6711.38	6638.93	6648.04
18	7639.86	7571.20	7442.85	7311.97	7153.65	6982.21	6815.14	6685.50	6612.75	6621.43
19	7649.37	7573.26	7435.50	7303.25	7143.37	6966.89	6794.13	6660.32	6586.55	6593.28
20	7653.75	7570.95	7425.55	7292.00	7132.16	6950.22	6771.80	6633.54	6558.90	6564.32
21	7655.73	7562.83	7414.37	7279.71	7118.58	6931.56	6748.23	6603.75	6531.10	6535.17
22	7652.11	7550.87	7399.38	7265.20	7103.47	6912.30	6721.50	6573.99	6503.42	6506.58
23	7643.93	7535.47	7382.12	7248.26	7086.45	6891.85	6691.83	6539.77	6470.71	6477.72
24	7631.94	7517.09	7364.49	7228.48	7066.61	6869.25	6661.97	6504.50	6437.83	6447.03
25	7612.90	7496.11	7342.47	7205.28	7044.59	6845.55	6630.50	6467.14	6402.67	6416.92
26	7588.76	7472.98	7319.92	7180.18	7019.81	6821.13	6600.20	6429.66	6367.64	6385.27
27	7562.08	7447.23	7296.60	7151.92	6992.82	6795.41	6571.92	6393.48	6330.18	6350.19
28	7533.63	7419.93	7271.61	7122.32	6963.28	6768.13	6543.16	6359.19	6291.49	6312.29
29	7506.18	7390.78	7244.69	7090.90	6932.27	6739.31	6516.46	6325.66	6254.00	6273.10
30	7478.62	7361.87	7216.40	7058.59	6899.51	6710.47	6488.04	6292.25	6218.95	6237.66
31	7449.65	7331.28	7185.64	7024.48	6864.36	6678.61	6458.78	6259.90	6185.34	6203.58
32	7420.15	7299.27	7152.76	6988.63	6828.43	6646.32	6427.76	6226.44	6152.41	6170.65
33	7390.70	7267.22	7118.33	6950.74	6788.87	6612.65	6394.09	6193.07	6120.28	6138.02
34	7357.36	7230.09	7081.78	6909.93	6747.19	6577.97	6359.91	6160.01	6090.77	6104.65
35	7321.65	7195.39	7043.96	6868.00	6702.60	6542.01	6323.74	6126.65	6061.27	6072.59
36	7283.03	7157.23	7004.52	6824.26	6657.43	6503.81	6287.81	6091.75	6032.39	6039.86
37	7242.50	7118.08	6964.40	6780.45	6608.13	6462.42	6250.79	6057.28	6002.15	6007.52
38	7198.35	7075.12	6919.30	6731.87	6558.02	6417.82	6212.83	6023.15	5971.03	5975.36
39	7148.95	7030.17	6872.61	6681.30	6504.03	6372.00	6173.25	5988.67	5938.95	5943.42
40	7097.44	6981.32	6824.05	6628.43	6450.30	6324.36	6132.83	5953.56	5905.28	5911.26
41	7041.25	6929.95	6771.91	6572.38	6394.73	6274.82	6091.51	5918.48	5868.93	5877.23
42	6981.63	6872.92	6714.77	6514.55	6337.56	6222.35	6049.93	5880.28	5831.47	5843.50
43	6919.37	6815.21	6655.30	6454.45	6279.57	6166.93	6006.64	5841.69	5793.57	5808.10
44	6853.99	6751.48	6591.48	6390.00	6220.75	6109.53	5963.58	5798.92	5753.71	5773.11
45	6788.47	6684.47	6522.72	6322.52	6157.42	6048.99	5915.24	5754.84	5711.93	5736.28
46	6718.19	6613.31	6447.08	6252.06	6091.55	5985.04	5866.12	5710.37	5667.45	5698.51
47	6647.30	6535.49	6365.18	6176.56	6019.69	5919.11	5815.44	5664.12	5622.45	5658.79
48	6574.21	6452.13	6278.12	6098.74	5944.85	5852.13	5761.87	5620.25	5575.55	5618.24
49	6499.00	6361.61	6182.86	6020.24	5863.78	5784.32	5706.03	5573.18	5526.73	5573.42
50	6423.56	6269.91	6082.65	5940.21	5771.80	5712.69	5644.89	5524.72	5473.56	5527.51
51	6340.22	6169.30	5972.98	5849.31	5667.22	5639.49	5580.35	5475.72	5417.55	5480.29
52	6238.70	6060.71	5854.91	5749.01	5553.90	5560.60	5509.66	5420.02	5347.79	5430.60
53	6116.33	5946.05	5727.34	5632.10	5434.83	5466.77	5433.94	5357.33	5264.04	5378.26

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54	5974.70	5810.55	5589.51	5495.48	5313.30	5367.20	5353.72	5279.97	5169.61	5319.88
55	5815.91	5650.14	5444.07	5351.59	5192.67	5258.38	5268.09	5187.05	5069.24	5249.59
56	5645.65	5466.52	5291.97	5197.42	5068.15	5142.80	5175.32	5077.31	4967.28	5158.73
57	5468.53	5264.42	5126.13	5033.89	4939.83	5016.48	5074.86	4960.47	4867.21	5055.42
58	5285.51	5055.32	4953.56	4863.53	4806.78	4881.32	4961.70	4839.16	4775.12	4943.60
59	5103.06	4838.26	4774.45	4691.65	4674.71	4742.34	4833.95	4721.41	4694.08	4831.70
60	4922.66	4618.87	4585.28	4516.10	4546.16	4596.88	4688.47	4608.71	4623.61	4724.97
61	4728.20	4406.72	4384.96	4335.35	4410.00	4447.32	4509.10	4496.56	4563.19	4618.05
62	4512.18	4201.44	4175.58	4152.12	4256.28	4292.14	4301.63	4381.11	4503.42	4513.56
63	4254.49	3985.16	3960.71	3963.67	4083.56	4137.61	4077.48	4254.81	4435.65	4413.80
64	3957.22	3749.74	3745.23	3767.32	3893.44	3969.21	3855.03	4111.30	4344.91	4313.19
65	3629.69	3482.73	3531.43	3560.77	3677.35	3770.59	3642.81	3941.73	4203.68	4193.44
66	3299.73	3203.96	3316.23	3350.17	3435.75	3554.18	3438.40	3761.38	4028.74	4049.33
67	2968.64	2923.32	3090.35	3122.93	3159.98	3316.48	3248.16	3554.16	3829.78	3882.49
68	2659.62	2642.07	2854.09	2875.82	2832.86	3045.82	3057.86	3334.38	3596.44	3685.72
69	2372.54	2369.06	2579.30	2605.69	2486.72	2755.39	2867.65	3099.91	3335.75	3478.57
70	2093.36	2079.11	2232.17	2299.23	2138.69	2433.84	2638.41	2852.55	3057.17	3270.28
71	1801.55	1781.10	1834.07	1974.84	1810.85	2103.48	2365.94	2581.73	2745.85	3069.95
72	1509.25	1483.52	1435.10	1632.47	1579.98	1764.91	2067.07	2260.21	2416.66	2851.69
73	1237.01	1202.21	1081.14	1309.44	1349.12	1483.63	1686.41	1899.17	2052.95	2605.53
74	964.06	963.85	804.64	1050.71	1118.44	1202.36	1305.75	1556.81	1678.83	2320.48
75	765.80	725.64	587.89	841.86	932.19	923.01	926.72	1214.45	1304.72	1974.42
76	636.15	588.69	458.90	660.33	747.21	733.47	623.72	873.09	931.50	1580.80
77	511.91	451.83	329.98	536.19	561.78	582.65	445.39	663.12	745.80	1187.18
78	387.73	314.97	269.46	412.56	368.38	450.15	333.90	484.83	597.59	797.78
79	263.55	241.18	218.24	288.93	210.14	346.96	261.42	352.89	423.47	578.00
80	182.81	177.90	175.23	219.56	163.07	271.89	211.05	255.08	272.33	429.31
81	141.72	144.41	144.05	169.75	116.75	221.40	177.88	196.39	216.86	302.12
82	113.33	116.12	116.68	129.61	92.02	185.33	151.55	162.71	161.38	236.54
83	91.35	86.00	91.24	98.17	75.67	149.26	125.20	129.03	106.23	170.97
84	73.10	64.40	67.34	67.24	56.46	113.26	97.76	95.41	72.43	106.24
85	54.27	47.56	49.49	50.10	40.71	79.85	69.74	63.59	48.22	73.16
86	35.43	30.75	31.69	33.10	27.80	59.98	46.75	31.77	24.00	48.99
87	16.60	13.95	13.89	16.09	14.89	40.10	23.75	0.80	0.44	24.81
88	6.29	9.79	9.78	5.10	2.07	20.22	0.87	0.56	0.46	0.75
89	3.98	5.88	5.95	3.57	0.78	0.72	0.65	0.56	0.50	0.51
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-24000LM5K.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	7157.89	7157.89	7157.89	7157.89	7157.89	7157.89	7157.89
1	7131.11	7140.33	7151.94	7164.90	7176.76	7185.34	7189.82
2	7103.30	7121.91	7145.15	7171.50	7194.12	7211.48	7220.87
3	7075.09	7102.50	7138.76	7178.51	7213.02	7239.82	7252.24
4	7046.72	7082.85	7132.17	7184.70	7231.71	7267.13	7283.61
5	7019.08	7064.33	7126.52	7191.63	7250.41	7294.45	7315.50
6	6990.72	7045.01	7120.57	7198.65	7268.86	7322.89	7348.57
7	6963.49	7024.24	7113.17	7203.71	7287.27	7350.40	7381.39
8	6935.41	7004.19	7105.17	7209.64	7305.77	7377.78	7413.36
9	6909.13	6984.84	7096.98	7216.90	7324.34	7404.77	7443.81
10	6884.21	6966.01	7088.69	7223.51	7342.51	7430.67	7473.69
11	6858.23	6947.00	7081.16	7229.10	7362.47	7456.77	7502.83
12	6834.46	6928.59	7074.69	7235.12	7380.84	7482.87	7528.31
13	6811.81	6912.45	7067.27	7238.91	7396.51	7506.54	7553.39
14	6786.77	6896.42	7061.59	7240.46	7409.32	7527.39	7575.55
15	6763.27	6881.39	7056.19	7240.70	7420.93	7546.29	7594.99
16	6738.97	6866.21	7050.77	7239.42	7429.54	7562.30	7612.28
17	6714.11	6851.69	7045.27	7236.88	7434.87	7575.97	7627.41
18	6689.13	6836.87	7038.19	7232.40	7437.82	7587.34	7639.86
19	6663.90	6822.59	7030.34	7229.09	7439.40	7595.57	7649.37
20	6638.75	6806.59	7021.53	7225.43	7439.42	7601.87	7653.75
21	6613.86	6789.30	7010.35	7220.49	7436.44	7605.36	7655.73
22	6589.83	6771.24	6998.14	7214.40	7430.61	7605.62	7652.11
23	6564.23	6753.16	6984.87	7205.56	7420.64	7601.96	7643.93
24	6539.19	6734.21	6971.87	7193.73	7410.44	7593.24	7631.94
25	6515.19	6714.16	6957.51	7180.04	7396.02	7579.47	7612.90
26	6489.46	6694.27	6942.14	7163.22	7377.30	7560.29	7588.76
27	6460.96	6674.97	6924.23	7145.47	7357.81	7538.87	7562.08
28	6430.38	6654.05	6906.09	7127.70	7336.46	7513.51	7533.63
29	6401.06	6632.54	6884.97	7108.91	7312.37	7486.35	7506.18
30	6370.28	6608.96	6863.32	7087.12	7287.08	7458.67	7478.62
31	6341.04	6583.85	6839.46	7061.54	7259.64	7429.77	7449.65
32	6312.71	6559.01	6814.94	7031.15	7230.47	7398.46	7420.15
33	6285.21	6532.41	6788.31	6999.35	7201.26	7364.39	7390.70
34	6256.45	6505.76	6759.60	6965.92	7171.31	7326.32	7357.36
35	6228.87	6477.69	6730.58	6934.64	7138.58	7285.18	7321.65
36	6198.80	6448.26	6699.22	6901.77	7104.28	7242.52	7283.03

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-24000LM5K.IES**

**CANDELA TABULATION - (Cont.)**

37	6169.78	6418.14	6666.22	6869.69	7070.52	7198.62	7242.50
38	6140.47	6384.85	6630.39	6835.24	7034.73	7150.39	7198.35
39	6111.55	6349.14	6592.86	6798.77	6996.53	7100.60	7148.95
40	6081.12	6311.46	6554.54	6759.94	6956.26	7051.92	7097.44
41	6051.22	6272.69	6514.09	6720.19	6913.81	6999.01	7041.25
42	6017.08	6231.72	6472.85	6676.50	6868.03	6944.24	6981.63
43	5983.74	6189.68	6430.45	6630.85	6819.70	6887.42	6919.37
44	5949.07	6146.28	6386.78	6582.04	6769.15	6829.16	6853.99
45	5912.66	6102.24	6343.17	6530.70	6717.74	6769.43	6788.47
46	5874.83	6059.14	6297.59	6476.56	6664.44	6708.01	6718.19
47	5837.04	6012.98	6248.91	6421.17	6607.21	6641.62	6647.30
48	5798.48	5968.06	6196.89	6365.01	6545.04	6573.09	6574.21
49	5757.25	5917.62	6140.84	6305.41	6474.44	6501.62	6499.00
50	5711.30	5865.92	6084.19	6245.81	6401.53	6430.16	6423.56
51	5662.81	5810.30	6022.55	6178.35	6325.59	6352.50	6340.22
52	5611.17	5750.80	5959.53	6104.70	6243.83	6271.69	6238.70
53	5558.97	5690.30	5889.94	6025.54	6159.43	6189.01	6116.33
54	5507.24	5628.37	5809.42	5942.18	6066.07	6090.02	5974.70
55	5453.32	5564.95	5723.92	5854.67	5963.18	5969.19	5815.91
56	5396.81	5488.58	5633.38	5752.20	5855.03	5831.75	5645.65
57	5335.20	5404.54	5537.57	5637.44	5743.91	5676.35	5468.53
58	5268.75	5317.52	5439.84	5511.62	5624.71	5504.12	5285.51
59	5195.76	5227.68	5340.24	5379.76	5499.69	5321.50	5103.06
60	5112.77	5135.04	5239.14	5243.58	5362.61	5131.29	4922.66
61	5014.34	5035.24	5131.92	5100.28	5208.47	4938.15	4728.20
62	4898.62	4931.32	5022.30	4951.68	5038.04	4749.34	4512.18
63	4750.69	4823.54	4915.99	4798.61	4850.07	4551.82	4254.49
64	4563.99	4708.95	4820.50	4636.98	4640.53	4333.31	3957.22
65	4348.17	4587.72	4718.75	4472.60	4414.83	4083.75	3629.69
66	4120.73	4462.49	4602.02	4315.96	4177.74	3792.32	3299.73
67	3886.99	4327.06	4476.35	4150.00	3931.74	3467.44	2968.64
68	3649.87	4169.06	4331.81	3973.61	3701.69	3134.91	2659.62
69	3424.44	3993.84	4160.69	3783.61	3459.95	2814.28	2372.54
70	3234.27	3802.95	3947.41	3576.40	3209.16	2504.91	2093.36
71	3086.02	3568.31	3695.50	3347.85	2925.64	2204.68	1801.55
72	2969.52	3317.39	3421.40	3098.43	2601.30	1910.98	1509.25
73	2848.25	3042.56	3116.04	2821.06	2218.71	1614.53	1237.01
74	2665.63	2773.75	2760.85	2533.73	1814.57	1331.92	964.06
75	2376.93	2476.30	2332.52	2189.78	1396.32	1076.15	765.80
76	1985.85	2114.36	1911.77	1753.10	1020.11	830.46	636.15
77	1555.06	1720.25	1561.75	1293.89	691.28	642.26	511.91
78	1124.27	1326.15	1298.36	952.51	551.10	512.51	387.73
79	698.20	937.65	1086.16	728.21	417.41	384.76	263.55
80	439.90	728.81	862.10	584.00	283.72	257.01	182.81
81	304.98	521.86	554.70	441.56	227.08	177.67	141.72
82	221.02	360.09	354.34	299.13	178.15	141.07	113.33
83	178.05	245.43	155.44	207.45	137.30	110.03	91.35
84	135.08	197.56	118.63	141.54	107.65	81.91	73.10
85	92.25	149.69	88.97	101.69	86.16	61.65	54.27
86	69.70	102.09	67.33	69.64	64.59	42.96	35.43
87	47.14	76.04	51.54	51.33	45.44	24.28	16.60
88	24.58	46.77	35.91	33.35	26.34	11.21	6.29
89	2.30	31.33	20.27	15.36	7.25	7.97	3.98
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-24000LM5K.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-24000LM5K.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-24000LM5K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2700.8	N.A.	10.60
0-30	5928.44	N.A.	23.40
0-40	10123.46	N.A.	39.90
0-60	19842.24	N.A.	78.20
0-80	25277.02	N.A.	99.60
0-90	25387.95	N.A.	100.00
10-90	24705.28	N.A.	97.30
20-40	7422.67	N.A.	29.20
20-50	12249.55	N.A.	48.20
40-70	13632.61	N.A.	53.70
60-80	5434.78	N.A.	21.40
70-80	1520.95	N.A.	6.00
80-90	110.93	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	25387.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	682.67
10-20	2018.12
20-30	3227.65
30-40	4195.02
40-50	4826.89
50-60	4891.89
60-70	3913.84
70-80	1520.95
80-90	110.93
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-24000LM5K.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	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	89	79	70	63	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	60	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	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	26	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

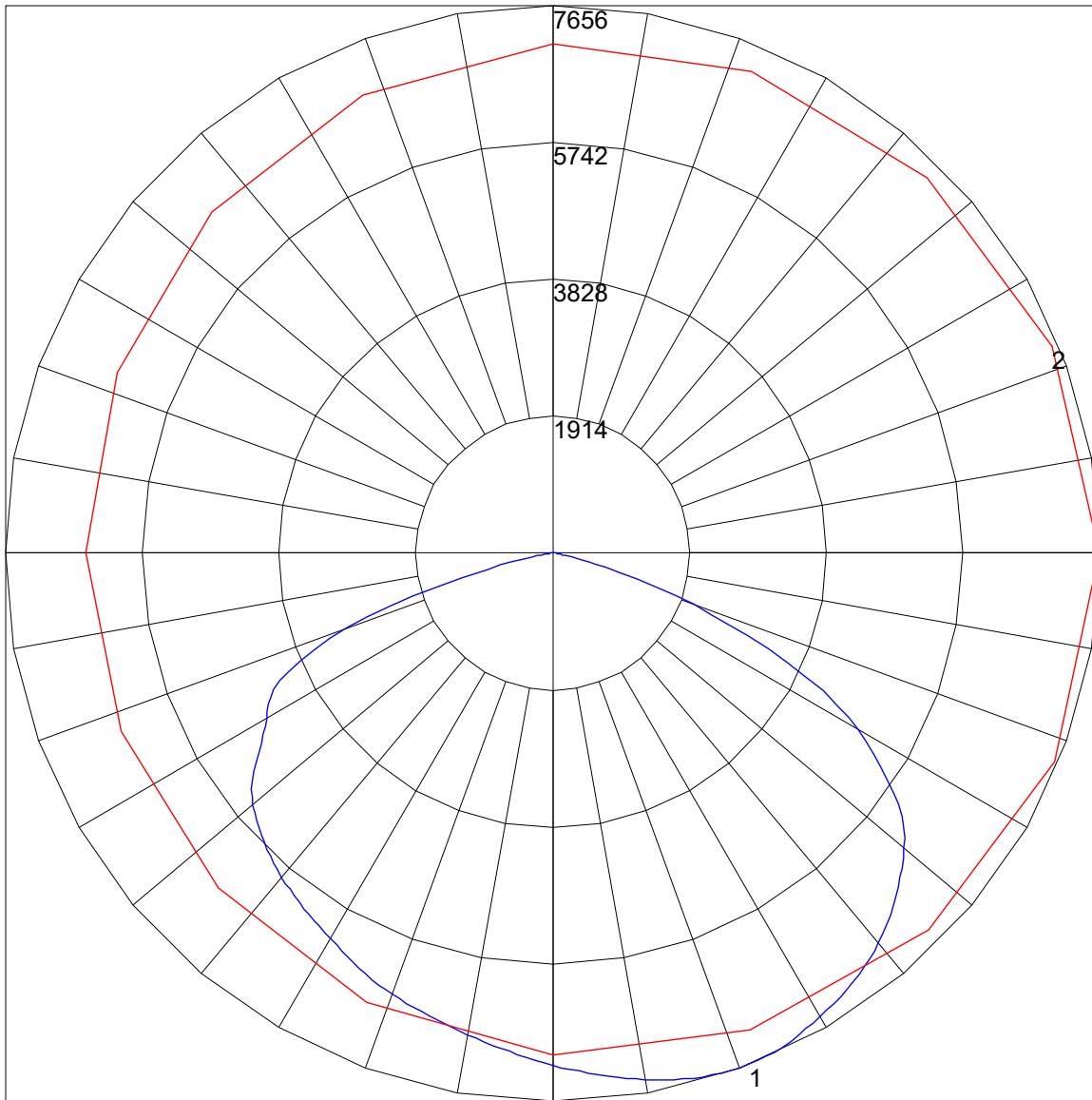
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-24000LM5K.IES**

**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	34.3	31.3	33.0	31.7	33.3	33.7
	3H	33.1	34.7	33.5	35.0	35.3	32.8	34.4	33.2	34.7	35.1
	4H	33.2	34.7	33.6	35.0	35.4	33.0	34.4	33.4	34.8	35.2
	6H	33.2	34.6	33.7	34.9	35.3	33.0	34.3	33.4	34.7	35.1
	8H	33.2	34.5	33.6	34.9	35.3	33.0	34.2	33.4	34.6	35.0
	12H	33.2	34.4	33.6	34.8	35.2	32.9	34.2	33.4	34.6	35.0
4H	2H	32.6	34.0	33.0	34.4	34.8	32.0	33.4	32.4	33.8	34.1
	3H	33.9	35.1	34.3	35.5	35.9	33.6	34.8	34.0	35.2	35.6
	4H	34.1	35.2	34.5	35.6	36.0	33.8	34.9	34.2	35.3	35.7
	6H	34.1	35.0	34.5	35.5	35.9	33.8	34.7	34.2	35.2	35.6
	8H	34.1	35.0	34.5	35.4	35.9	33.8	34.6	34.2	35.1	35.6
	12H	34.1	34.8	34.5	35.3	35.8	33.7	34.5	34.2	35.0	35.5
8H	4H	34.2	35.1	34.7	35.5	36.0	33.8	34.7	34.3	35.1	35.6
	6H	34.2	34.9	34.7	35.4	35.9	33.8	34.6	34.3	35.1	35.5
	8H	34.2	34.8	34.7	35.3	35.8	33.8	34.5	34.3	35.0	35.5
	12H	34.2	34.7	34.7	35.2	35.8	33.8	34.4	34.3	34.9	35.4
12H	4H	34.2	35.0	34.7	35.5	35.9	33.8	34.6	34.3	35.1	35.5
	6H	34.2	34.8	34.7	35.3	35.8	33.8	34.5	34.3	34.9	35.5
	8H	34.2	34.7	34.7	35.2	35.8	33.8	34.4	34.3	34.9	35.4

Maximum UGR = 36.0

POLAR GRAPH



Maximum Candela = 7655.73 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.)