

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-20000LM4K.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 19:23:51  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL25HTT5HV-20000LM4K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21093
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	153
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	189784	182383	172273
55	200281	187555	179197
65	169335	164852	172311
75	58132	48856	71593
85	11870	10939	9355

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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	5947.37	5947.37	5947.37	5947.37	5947.37	5947.37	5947.37	5947.37	5947.37	5947.37
1	5974.24	5974.23	5970.16	5962.73	5952.83	5942.31	5932.24	5924.18	5920.46	5920.90
2	6000.49	5999.83	5992.02	5977.58	5957.71	5936.15	5915.94	5900.69	5892.96	5893.33
3	6026.24	6024.87	6012.55	5991.69	5961.86	5929.82	5899.57	5875.99	5863.89	5865.87
4	6052.68	6050.34	6034.11	6006.67	5966.36	5923.61	5882.82	5852.46	5836.01	5839.07
5	6078.63	6075.20	6054.63	6020.27	5970.33	5916.08	5866.42	5827.92	5807.82	5811.09
6	6106.05	6100.72	6074.19	6032.77	5973.74	5908.85	5848.53	5803.88	5781.10	5783.67
7	6133.11	6126.00	6091.75	6044.42	5976.36	5900.18	5830.61	5780.23	5755.39	5757.85
8	6159.49	6149.76	6109.60	6054.36	5977.83	5890.25	5812.71	5756.81	5729.86	5733.38
9	6185.02	6172.85	6124.77	6063.38	5978.88	5881.22	5796.80	5735.66	5705.17	5708.73
10	6209.05	6194.79	6138.53	6070.87	5977.82	5872.84	5782.05	5715.51	5680.77	5685.20
11	6232.56	6214.49	6150.40	6076.29	5977.12	5865.01	5768.09	5696.13	5654.65	5661.23
12	6254.01	6232.57	6160.69	6079.78	5974.80	5857.40	5754.78	5675.82	5630.74	5637.33
13	6274.58	6247.54	6169.27	6082.63	5972.16	5850.18	5741.21	5656.79	5606.26	5614.22
14	6292.79	6260.55	6176.48	6083.53	5968.19	5842.69	5726.45	5637.48	5582.40	5590.33
15	6308.69	6271.92	6181.84	6083.96	5963.54	5834.24	5710.96	5617.85	5559.74	5568.98
16	6323.00	6280.87	6185.52	6082.90	5957.61	5824.84	5694.24	5597.77	5537.58	5546.35
17	6336.11	6287.15	6186.42	6080.14	5950.57	5813.41	5678.02	5575.64	5515.45	5523.57
18	6347.06	6291.16	6183.50	6075.24	5943.59	5801.30	5662.77	5554.21	5493.81	5501.08
19	6354.61	6292.76	6177.47	6067.90	5935.23	5788.34	5645.43	5533.13	5471.65	5478.06
20	6358.37	6290.63	6169.46	6058.20	5925.94	5774.25	5627.43	5510.61	5448.54	5454.27
21	6359.89	6284.19	6159.78	6048.04	5914.50	5758.79	5607.24	5485.99	5425.63	5429.47
22	6356.91	6274.09	6147.43	6035.69	5902.54	5743.33	5585.18	5461.06	5402.45	5405.73
23	6350.02	6260.69	6133.22	6021.45	5888.33	5726.14	5560.70	5432.86	5375.63	5381.84
24	6339.76	6245.27	6118.37	6005.36	5872.13	5707.87	5535.93	5403.59	5348.04	5356.49
25	6323.64	6227.77	6100.39	5985.91	5854.22	5688.18	5509.57	5372.70	5318.92	5331.31
26	6303.59	6208.74	6081.15	5964.80	5833.65	5667.65	5484.47	5341.45	5290.16	5305.11
27	6281.47	6187.86	6062.19	5940.88	5811.12	5646.71	5460.55	5312.03	5258.86	5276.27
28	6258.33	6165.07	6041.71	5917.11	5787.37	5624.20	5437.02	5283.16	5226.25	5244.60
29	6234.84	6140.80	6019.39	5890.62	5760.66	5599.71	5414.67	5255.17	5195.68	5211.56
30	6212.07	6116.41	5995.58	5863.73	5733.96	5575.77	5391.16	5227.31	5166.49	5182.38
31	6188.63	6091.95	5970.01	5835.80	5704.96	5549.71	5366.78	5200.76	5138.29	5154.12
32	6164.09	6065.73	5942.62	5806.25	5674.93	5522.91	5340.91	5173.32	5110.70	5126.72
33	6139.24	6038.66	5914.54	5774.03	5643.37	5495.07	5313.49	5144.89	5084.22	5099.35
34	6111.38	6008.90	5883.99	5740.44	5608.04	5466.80	5284.94	5117.55	5060.00	5071.63
35	6082.16	5979.26	5853.54	5705.78	5570.76	5436.22	5254.95	5089.61	5035.32	5044.98
36	6049.97	5947.61	5820.71	5669.24	5531.67	5404.63	5224.78	5060.91	5011.13	5017.86
37	6016.23	5914.31	5786.77	5633.21	5491.81	5370.62	5194.62	5031.85	4986.17	4990.64
38	5979.34	5879.22	5749.28	5592.96	5449.73	5334.05	5163.11	5003.64	4960.92	4964.00
39	5938.47	5841.77	5710.75	5550.70	5405.91	5295.83	5129.84	4975.41	4934.14	4938.03
40	5895.04	5801.00	5670.19	5506.23	5361.07	5256.30	5096.28	4946.54	4906.17	4911.08
41	5848.90	5758.21	5627.23	5459.42	5314.74	5214.79	5061.92	4917.31	4875.69	4882.82
42	5798.93	5711.91	5579.81	5412.07	5267.99	5171.41	5027.20	4885.60	4844.84	4854.94
43	5747.42	5662.72	5529.45	5361.39	5219.76	5125.18	4991.36	4853.50	4813.36	4825.59
44	5693.42	5609.84	5476.37	5307.64	5170.94	5078.04	4956.16	4817.91	4780.33	4796.71
45	5638.70	5554.37	5418.80	5250.29	5118.42	5027.41	4916.02	4781.42	4745.96	4766.08
46	5579.45	5494.20	5355.86	5192.71	5062.67	4974.60	4875.24	4744.41	4709.08	4734.99
47	5521.20	5429.67	5288.42	5130.42	5004.76	4920.45	4833.30	4706.46	4671.34	4702.28
48	5460.25	5360.36	5215.54	5065.27	4942.27	4864.43	4789.15	4668.93	4632.18	4668.01
49	5397.68	5285.14	5136.03	4999.31	4875.55	4808.35	4742.01	4630.42	4591.95	4631.11
50	5334.81	5208.47	5052.24	4933.71	4799.78	4748.90	4692.61	4590.28	4548.14	4593.39
51	5266.15	5124.35	4961.88	4857.70	4713.33	4687.99	4638.25	4550.15	4501.63	4554.15
52	5180.48	5034.13	4862.45	4774.14	4618.87	4622.39	4579.88	4503.50	4443.56	4513.13
53	5077.24	4939.17	4756.53	4675.88	4520.53	4545.88	4518.04	4452.21	4375.04	4469.74

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54	4960.43	4825.08	4641.46	4563.37	4419.61	4463.02	4451.24	4388.22	4296.29	4421.61
55	4826.85	4690.06	4520.16	4442.49	4318.73	4371.96	4379.64	4310.54	4212.27	4362.88
56	4683.46	4536.23	4392.66	4312.37	4215.79	4276.77	4302.97	4221.31	4126.80	4288.39
57	4538.30	4368.61	4255.79	4178.05	4109.56	4171.11	4220.44	4122.99	4045.09	4202.76
58	4387.09	4193.47	4110.69	4036.51	3998.71	4059.85	4125.29	4021.90	3968.29	4108.57
59	4235.00	4013.67	3962.72	3892.18	3888.52	3943.58	4019.78	3924.21	3900.70	4017.28
60	4085.58	3833.86	3805.70	3743.83	3781.83	3824.29	3899.79	3830.61	3842.43	3928.05
61	3924.60	3658.52	3637.73	3596.20	3667.45	3698.68	3751.46	3737.41	3792.36	3840.17
62	3742.48	3485.20	3462.30	3442.01	3540.18	3569.31	3578.85	3641.46	3741.78	3751.69
63	3527.29	3307.49	3281.81	3286.01	3398.61	3442.10	3394.72	3537.65	3686.17	3669.92
64	3277.84	3109.64	3105.71	3123.84	3238.97	3302.42	3208.29	3419.63	3612.31	3586.52
65	3006.97	2886.18	2927.36	2952.03	3059.81	3138.75	3031.80	3278.03	3496.08	3488.55
66	2729.92	2653.97	2750.80	2775.66	2861.53	2960.24	2862.64	3127.91	3352.75	3369.82
67	2458.18	2420.19	2561.46	2588.36	2632.52	2762.13	2702.37	2957.42	3187.37	3230.98
68	2202.85	2190.58	2364.49	2381.74	2361.65	2537.54	2545.68	2774.66	2994.51	3070.55
69	1962.63	1954.48	2132.99	2155.61	2075.89	2297.02	2388.47	2582.01	2780.69	2899.14
70	1730.25	1718.33	1843.07	1899.42	1786.28	2030.88	2199.19	2376.91	2549.81	2724.61
71	1488.33	1472.00	1511.68	1628.14	1557.77	1756.62	1973.59	2152.91	2291.82	2558.36
72	1245.95	1222.57	1179.36	1344.57	1329.25	1492.45	1728.57	1888.32	2020.70	2378.63
73	1021.43	992.64	891.46	1080.06	1102.60	1228.29	1412.58	1584.87	1722.90	2175.85
74	795.28	794.00	662.32	866.85	933.30	965.01	1096.58	1281.42	1380.67	1935.32
75	632.19	599.69	531.31	691.91	778.58	772.12	781.64	979.01	1039.93	1614.87
76	527.24	466.69	400.95	565.14	625.32	613.69	526.15	732.53	781.71	1294.43
77	424.14	335.65	270.59	439.77	469.37	487.03	373.80	552.31	623.53	974.23
78	321.04	259.15	222.47	314.40	313.10	377.76	279.70	405.36	500.51	670.11
79	215.04	198.29	180.13	236.97	240.79	290.88	218.46	295.90	358.20	485.46
80	150.90	147.28	144.89	181.26	168.49	227.10	176.56	213.69	229.26	360.30
81	116.68	119.22	118.99	139.92	97.90	184.76	150.51	177.51	172.47	253.77
82	93.43	95.64	96.14	106.64	76.88	153.99	124.51	141.34	115.95	198.55
83	75.43	70.92	75.11	81.09	63.41	123.25	104.74	105.29	89.13	143.32
84	59.42	54.57	57.53	62.06	47.34	94.37	81.98	79.87	61.51	88.91
85	43.47	38.47	40.06	43.22	34.26	66.73	58.79	53.21	40.91	62.01
86	27.51	22.37	22.59	24.38	23.47	45.23	39.39	26.56	20.31	41.54
87	13.55	11.24	11.27	13.10	12.68	23.72	19.99	0.69	0.37	21.07
88	4.94	7.92	7.98	9.20	1.97	2.37	0.74	0.47	0.38	0.64
89	3.16	4.78	4.87	5.48	0.65	0.60	0.54	0.47	0.41	0.43
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-20000LM4K.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	5947.37	5947.37	5947.37	5947.37	5947.37	5947.37	5947.37
1	5925.28	5932.97	5942.87	5953.12	5962.95	5970.41	5974.24
2	5902.03	5917.34	5937.42	5958.39	5977.67	5992.10	6000.49
3	5878.23	5901.23	5931.90	5964.15	5993.46	6015.48	6026.24
4	5854.88	5884.75	5926.35	5969.47	6009.38	6038.06	6052.68
5	5832.12	5869.49	5921.58	5975.74	6025.18	6060.98	6078.63
6	5808.59	5853.35	5916.70	5981.27	6040.68	6084.38	6106.05
7	5785.40	5836.57	5910.78	5985.91	6056.05	6106.84	6133.11
8	5762.01	5819.51	5903.97	5991.00	6071.12	6129.75	6159.49
9	5740.23	5803.65	5896.93	5997.35	6086.48	6151.92	6185.02
10	5719.60	5787.56	5890.49	6002.50	6101.25	6173.80	6209.05
11	5698.19	5771.76	5884.63	6007.48	6117.62	6195.65	6232.56
12	5678.44	5756.40	5879.68	6012.24	6133.31	6216.32	6254.01
13	5659.15	5742.85	5872.90	6015.33	6146.06	6236.03	6274.58
14	5638.96	5729.49	5868.52	6016.45	6156.86	6253.34	6292.79
15	5619.37	5717.11	5863.81	6016.24	6166.82	6268.74	6308.69
16	5598.66	5704.44	5858.90	6015.39	6173.78	6281.43	6323.00
17	5578.28	5692.39	5854.02	6013.27	6178.08	6293.04	6336.11
18	5557.36	5679.93	5848.12	6009.42	6180.07	6302.22	6347.06
19	5536.06	5668.05	5841.98	6006.12	6182.03	6309.27	6354.61
20	5515.16	5654.75	5834.60	6002.64	6181.22	6314.72	6358.37
21	5494.39	5640.59	5825.76	5998.74	6179.09	6317.77	6359.89
22	5473.95	5625.41	5815.38	5994.00	6174.31	6318.02	6356.91
23	5452.96	5610.40	5804.07	5986.63	6166.09	6315.44	6350.02
24	5431.97	5594.23	5793.18	5976.34	6157.26	6307.98	6339.76
25	5412.00	5577.52	5781.41	5964.89	6144.86	6296.74	6323.64
26	5390.85	5560.75	5768.21	5950.66	6129.56	6280.87	6303.59
27	5366.93	5544.57	5754.08	5935.83	6113.26	6262.99	6281.47
28	5341.94	5527.31	5738.86	5921.23	6095.72	6241.66	6258.33
29	5317.25	5509.16	5721.44	5905.72	6075.81	6219.08	6234.84
30	5292.17	5489.77	5703.27	5887.82	6054.74	6196.29	6212.07
31	5268.08	5468.98	5683.61	5866.95	6031.60	6172.65	6188.63
32	5244.28	5448.42	5663.23	5842.15	6007.54	6145.79	6164.09
33	5220.73	5426.16	5641.55	5815.87	5983.97	6117.84	6139.24
34	5197.89	5404.47	5617.98	5787.59	5958.34	6086.09	6111.38
35	5174.51	5380.81	5593.88	5761.88	5931.53	6052.18	6082.16
36	5149.66	5356.46	5567.26	5734.34	5902.67	6016.88	6049.97

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-20000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

37	5125.50	5331.88	5540.21	5707.51	5874.97	5979.75	6016.23
38	5101.26	5304.76	5509.86	5678.99	5845.33	5939.81	5979.34
39	5077.19	5274.95	5478.58	5649.24	5813.70	5898.65	5938.47
40	5051.70	5243.59	5446.89	5617.13	5780.14	5858.17	5895.04
41	5026.71	5211.26	5413.69	5583.95	5744.98	5814.30	5848.90
42	4998.25	5178.02	5379.47	5547.73	5707.26	5768.29	5798.93
43	4971.25	5142.98	5344.17	5509.13	5667.06	5721.42	5747.42
44	4942.00	5107.03	5307.27	5468.81	5625.12	5672.84	5693.42
45	4912.36	5070.50	5271.37	5425.85	5582.02	5623.47	5638.70
46	4880.74	5033.88	5233.08	5380.60	5537.67	5571.73	5579.45
47	4849.58	4995.80	5193.15	5335.19	5490.05	5517.49	5521.20
48	4817.53	4958.29	5150.37	5288.72	5438.03	5460.15	5460.25
49	4783.73	4917.08	5103.36	5239.07	5379.89	5400.89	5397.68
50	4746.01	4874.22	5056.33	5189.20	5319.17	5340.92	5334.81
51	4705.73	4828.54	5005.07	5133.66	5255.91	5276.91	5266.15
52	4662.50	4779.00	4952.64	5071.52	5188.12	5209.42	5180.48
53	4619.84	4729.45	4894.70	5005.97	5116.99	5140.02	5077.24
54	4576.34	4677.35	4828.39	4936.53	5039.49	5057.53	4960.43
55	4531.60	4624.97	4757.61	4864.15	4953.87	4956.43	4826.85
56	4485.20	4562.49	4681.40	4778.21	4863.97	4841.46	4683.46
57	4434.53	4492.94	4602.42	4682.86	4770.87	4711.81	4538.30
58	4379.72	4420.67	4521.28	4577.93	4672.21	4569.21	4387.09
59	4318.74	4346.57	4437.65	4468.85	4567.59	4417.03	4235.00
60	4251.05	4270.77	4353.17	4357.82	4453.77	4259.16	4085.58
61	4169.38	4187.34	4265.33	4237.24	4326.03	4099.59	3924.60
62	4073.65	4100.86	4173.52	4112.19	4183.74	3941.65	3742.48
63	3951.40	4012.36	4085.78	3985.12	4026.00	3777.22	3527.29
64	3796.60	3917.59	4006.37	3851.18	3852.25	3596.28	3277.84
65	3618.83	3817.42	3921.43	3714.88	3663.74	3387.58	3006.97
66	3430.21	3712.95	3824.76	3583.79	3467.36	3143.64	2729.92
67	3234.92	3600.82	3719.78	3445.73	3268.80	2872.65	2458.18
68	3039.26	3469.15	3598.81	3298.91	3072.08	2596.46	2202.85
69	2851.92	3325.71	3455.15	3140.18	2870.46	2329.98	1962.63
70	2693.19	3167.00	3276.27	2967.26	2660.74	2072.34	1730.25
71	2568.85	2973.83	3065.90	2776.76	2424.15	1824.44	1488.33
72	2472.55	2765.05	2833.58	2567.57	2151.77	1579.93	1245.95
73	2372.84	2538.17	2580.04	2340.72	1842.92	1330.92	1021.43
74	2222.17	2312.92	2284.13	2098.00	1501.29	1101.06	795.28
75	1985.41	2068.60	1924.46	1807.97	1155.95	887.83	632.19
76	1636.40	1769.80	1577.72	1441.17	839.69	685.21	527.24
77	1287.39	1399.73	1289.16	1058.52	578.01	555.33	424.14
78	938.26	1032.66	1072.39	782.94	434.16	426.30	321.04
79	587.84	786.41	896.59	608.41	290.37	297.26	215.04
80	370.97	611.40	709.88	475.53	233.26	210.71	150.90
81	255.36	438.05	516.40	343.58	187.46	146.66	116.68
82	203.57	303.17	322.74	245.10	146.75	116.29	93.43
83	151.79	237.91	129.08	169.60	113.56	90.60	75.43
84	100.81	172.64	97.66	116.42	88.85	67.55	59.42
85	77.21	107.92	73.31	83.81	71.07	51.63	43.47
86	58.47	85.33	58.21	63.76	53.18	35.77	27.51
87	39.55	64.04	43.22	43.87	35.28	19.92	13.55
88	20.63	48.11	28.23	23.98	17.39	9.06	4.94
89	1.99	32.17	16.61	12.39	5.78	6.49	3.16
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-20000LM4K.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-20000LM4K.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-20000LM4K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2243.95	N.A.	10.60
0-30	4925.53	N.A.	23.40
0-40	8411.00	N.A.	39.90
0-60	16485.98	N.A.	78.20
0-80	20999.76	N.A.	99.60
0-90	21092.59	N.A.	100.00
10-90	20525.37	N.A.	97.30
20-40	6167.06	N.A.	29.20
20-50	10177.62	N.A.	48.30
40-70	11326.82	N.A.	53.70
60-80	4513.78	N.A.	21.40
70-80	1261.93	N.A.	6.00
80-90	92.83	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	21092.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	567.22
10-20	1676.73
20-30	2681.58
30-40	3485.47
40-50	4010.56
50-60	4064.42
60-70	3251.85
70-80	1261.93
80-90	92.83
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-20000LM4K.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

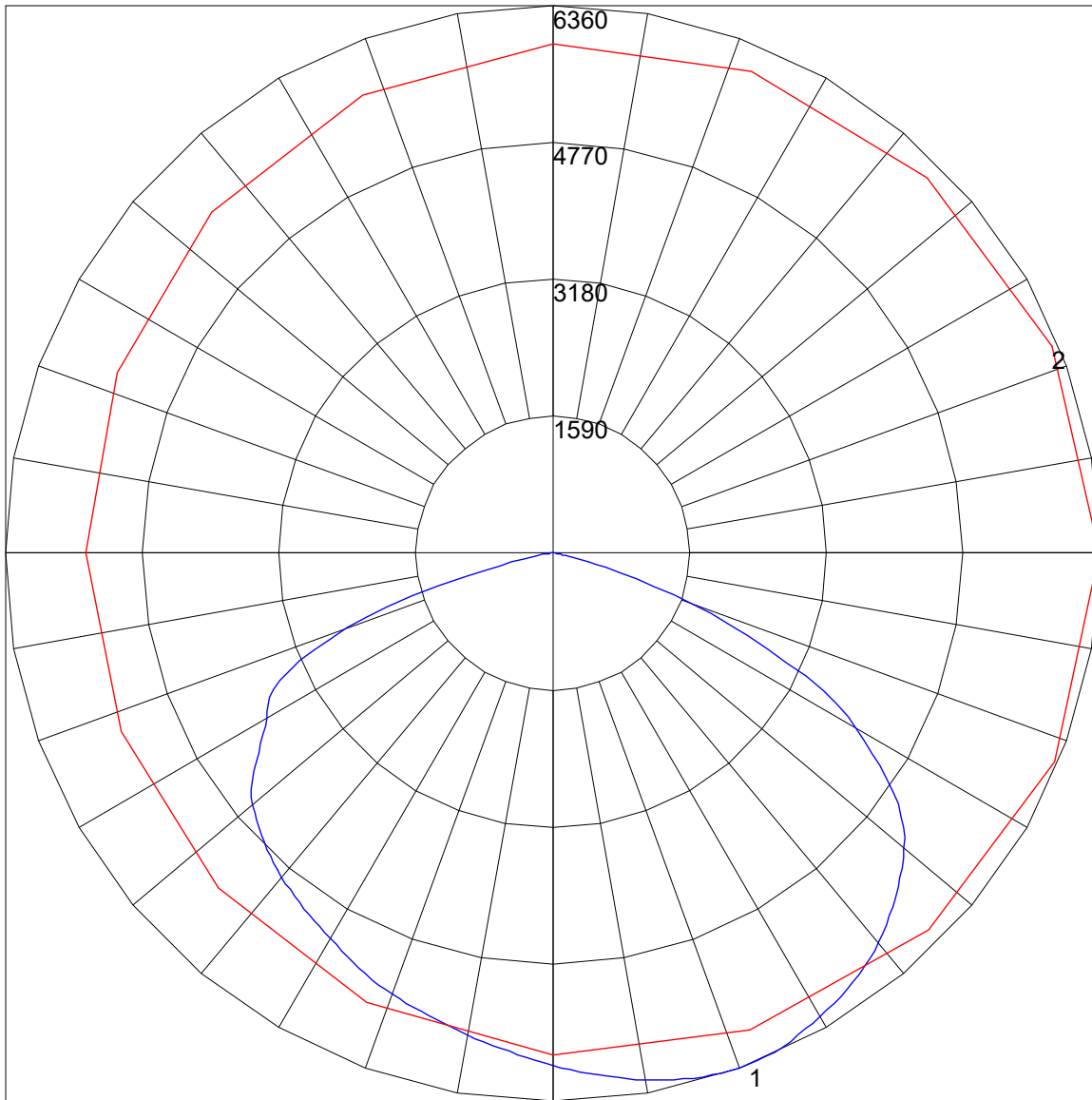
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-20000LM4K.IES**

**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	31.3	33.0	31.7	33.3	33.6	30.7	32.4	31.1	32.7	33.1
	3H	32.5	34.0	32.9	34.4	34.7	32.2	33.8	32.6	34.1	34.5
	4H	32.6	34.1	33.0	34.4	34.8	32.4	33.8	32.8	34.2	34.6
	6H	32.6	34.0	33.0	34.3	34.7	32.4	33.7	32.8	34.1	34.5
	8H	32.6	33.9	33.0	34.3	34.7	32.4	33.7	32.8	34.0	34.4
	12H	32.6	33.8	33.0	34.2	34.6	32.4	33.6	32.8	34.0	34.4
4H	2H	32.0	33.4	32.4	33.8	34.1	31.4	32.8	31.8	33.2	33.5
	3H	33.3	34.5	33.7	34.9	35.3	33.0	34.2	33.4	34.6	35.0
	4H	33.5	34.5	33.9	35.0	35.4	33.2	34.3	33.6	34.7	35.1
	6H	33.5	34.4	33.9	34.9	35.3	33.2	34.1	33.6	34.6	35.0
	8H	33.5	34.3	33.9	34.8	35.2	33.2	34.0	33.6	34.5	35.0
	12H	33.4	34.2	33.9	34.7	35.2	33.2	33.9	33.6	34.4	34.9
8H	4H	33.6	34.5	34.0	34.9	35.4	33.2	34.1	33.7	34.5	35.0
	6H	33.6	34.3	34.1	34.8	35.3	33.2	34.0	33.7	34.5	34.9
	8H	33.6	34.2	34.1	34.7	35.2	33.2	33.9	33.7	34.4	34.9
	12H	33.6	34.1	34.1	34.6	35.2	33.2	33.8	33.7	34.3	34.8
12H	4H	33.6	34.4	34.0	34.8	35.3	33.2	34.0	33.7	34.5	34.9
	6H	33.6	34.2	34.1	34.7	35.2	33.2	33.9	33.8	34.3	34.9
	8H	33.6	34.1	34.1	34.6	35.2	33.2	33.8	33.7	34.3	34.8

Maximum UGR = 35.4

POLAR GRAPH



Maximum Candela = 6359.89 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.)