

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-20000LM3K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49932E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUEDATE] 2022-12-01 19:15:01
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT3HV-20000LM3K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20219
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	152.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.52
Spacing Criterion (Diagonal)	1.50
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	114435	157189	193774
55	84214	168616	240445
65	38576	194459	337808
75	18552	62065	408650
85	11676	11857	151864

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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	5884.45	5884.45	5884.45	5884.45	5884.45	5884.45	5884.45	5884.45	5884.45	5884.45
1	5896.05	5896.44	5894.43	5890.88	5885.30	5880.62	5875.10	5870.88	5868.54	5868.77
2	5904.79	5905.60	5902.31	5896.41	5886.16	5875.34	5863.88	5853.52	5848.54	5849.81
3	5911.46	5912.08	5908.54	5900.86	5886.65	5869.69	5849.91	5831.83	5823.34	5826.12
4	5915.74	5916.79	5913.25	5905.12	5888.55	5863.91	5833.84	5806.74	5794.16	5797.93
5	5917.33	5919.44	5916.94	5909.66	5889.39	5858.08	5816.34	5777.73	5760.49	5767.71
6	5917.37	5920.58	5920.69	5912.99	5888.76	5850.38	5796.98	5747.25	5725.15	5734.99
7	5915.27	5919.94	5922.83	5915.53	5889.20	5842.06	5775.20	5713.72	5685.32	5700.40
8	5910.09	5916.96	5923.74	5917.94	5890.25	5833.77	5752.26	5677.38	5643.40	5663.67
9	5901.82	5911.89	5923.33	5920.30	5890.04	5825.25	5727.15	5639.70	5599.75	5622.83
10	5889.48	5903.95	5922.24	5922.09	5889.80	5815.65	5701.50	5599.75	5552.67	5581.44
11	5872.74	5892.77	5919.23	5922.51	5888.97	5804.87	5673.71	5558.68	5503.67	5539.13
12	5851.09	5877.83	5914.47	5923.16	5889.17	5792.90	5645.28	5514.05	5452.23	5494.94
13	5824.24	5859.85	5907.49	5924.22	5888.77	5781.74	5616.23	5468.30	5398.52	5449.43
14	5794.23	5837.99	5899.05	5925.09	5889.41	5770.29	5585.38	5420.97	5342.95	5402.52
15	5758.90	5811.21	5887.61	5926.37	5890.25	5760.03	5554.39	5372.52	5284.68	5353.63
16	5719.45	5780.86	5873.69	5927.92	5889.57	5749.09	5522.10	5321.74	5224.69	5301.89
17	5676.15	5748.24	5857.88	5927.92	5888.30	5737.87	5489.22	5269.60	5162.83	5248.02
18	5630.42	5711.67	5839.33	5926.01	5886.33	5726.29	5456.64	5214.92	5099.57	5195.06
19	5580.89	5672.36	5818.04	5922.41	5884.20	5713.28	5423.88	5159.60	5035.76	5139.55
20	5527.23	5629.54	5796.58	5918.10	5881.57	5701.00	5392.17	5102.61	4968.85	5085.15
21	5470.85	5584.62	5771.67	5912.93	5878.79	5688.88	5360.08	5043.20	4901.14	5029.42
22	5410.18	5533.97	5744.83	5905.85	5875.54	5676.48	5327.21	4984.31	4834.20	4972.44
23	5345.23	5479.31	5715.70	5897.01	5872.54	5664.19	5294.09	4923.64	4764.59	4913.62
24	5278.66	5422.19	5685.73	5888.19	5869.22	5651.91	5261.02	4864.00	4696.02	4852.77
25	5205.49	5360.78	5653.03	5878.38	5865.12	5639.55	5227.71	4802.85	4624.85	4790.97
26	5132.81	5297.93	5619.13	5867.74	5861.51	5627.24	5194.32	4739.83	4552.50	4726.65
27	5057.17	5231.22	5583.37	5855.83	5858.45	5614.78	5161.73	4676.40	4480.71	4661.95
28	4977.83	5162.27	5546.50	5842.47	5855.07	5602.69	5128.51	4611.36	4407.07	4595.76
29	4894.22	5089.81	5507.17	5831.11	5848.94	5590.43	5094.88	4547.78	4334.00	4529.05
30	4809.86	5014.44	5466.75	5819.77	5843.87	5576.14	5062.41	4481.83	4257.67	4461.11
31	4723.21	4938.53	5424.63	5806.29	5837.50	5561.68	5029.02	4414.60	4180.63	4391.77
32	4634.68	4860.54	5381.36	5791.28	5831.40	5548.18	4996.83	4347.15	4103.19	4322.83
33	4544.04	4781.20	5337.25	5775.03	5824.56	5533.54	4964.31	4276.99	4025.24	4252.37
34	4452.93	4701.43	5289.64	5759.45	5816.50	5517.49	4931.08	4204.99	3944.55	4177.66
35	4360.30	4621.01	5240.40	5742.52	5808.40	5501.32	4897.38	4129.75	3860.51	4100.85
36	4269.66	4539.72	5189.19	5722.90	5800.94	5485.20	4862.61	4053.35	3774.43	4021.05
37	4176.20	4456.50	5137.80	5702.74	5795.03	5467.15	4827.48	3974.59	3681.11	3939.00
38	4082.88	4370.90	5084.69	5681.29	5789.76	5448.52	4790.59	3894.16	3585.36	3855.18
39	3988.02	4281.68	5029.02	5659.30	5786.09	5428.48	4754.67	3812.08	3486.80	3769.04
40	3895.90	4195.06	4972.90	5637.43	5784.39	5409.49	4716.49	3726.09	3389.26	3681.37
41	3797.40	4105.22	4914.45	5614.64	5784.83	5390.08	4678.45	3637.51	3287.96	3592.37
42	3697.77	4017.00	4854.49	5592.05	5785.03	5370.30	4640.48	3542.69	3178.78	3499.25
43	3598.39	3926.81	4793.92	5569.44	5776.47	5350.81	4601.45	3442.32	3068.24	3400.01
44	3499.69	3840.14	4733.48	5547.55	5765.44	5334.35	4562.61	3337.68	2957.02	3296.47
45	3400.00	3752.66	4670.26	5527.15	5757.23	5321.94	4522.68	3224.36	2846.41	3185.05
46	3296.79	3663.61	4606.30	5508.46	5752.82	5307.68	4482.00	3106.68	2740.49	3064.80
47	3195.75	3570.37	4539.42	5481.04	5751.55	5282.43	4439.14	2986.73	2637.70	2941.75
48	3090.32	3470.62	4472.99	5444.63	5750.69	5253.82	4397.40	2869.78	2539.36	2815.34
49	2974.02	3363.68	4406.27	5406.71	5751.63	5227.32	4353.40	2746.79	2436.62	2687.10
50	2846.29	3253.23	4342.89	5371.18	5754.43	5202.39	4309.26	2619.31	2329.71	2558.15
51	2691.13	3130.64	4280.04	5332.85	5759.69	5179.24	4264.81	2495.30	2216.34	2433.54
52	2527.92	2988.24	4220.52	5292.87	5765.61	5157.70	4218.46	2367.65	2099.93	2311.05
53	2354.89	2822.36	4163.54	5251.06	5774.74	5138.98	4169.93	2241.24	1985.97	2191.27

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54	2184.79	2631.33	4110.92	5207.89	5783.58	5122.80	4116.16	2112.93	1883.43	2073.86
55	2029.60	2425.79	4063.72	5160.80	5794.83	5108.33	4059.53	1986.74	1792.61	1960.94
56	1884.02	2214.01	4024.94	5112.66	5807.59	5093.44	3995.59	1868.87	1709.06	1853.61
57	1739.38	2005.96	3996.55	5061.98	5823.30	5079.60	3924.41	1763.96	1626.65	1753.93
58	1586.61	1808.69	3978.50	5011.04	5841.50	5069.05	3841.47	1668.16	1537.80	1656.66
59	1426.63	1619.36	3963.29	4960.48	5863.83	5063.91	3745.03	1578.81	1437.69	1555.58
60	1266.98	1436.53	3946.40	4913.14	5889.30	5065.63	3634.85	1485.35	1338.95	1448.84
61	1117.62	1270.31	3922.10	4868.06	5913.62	5075.56	3500.62	1379.29	1240.21	1339.60
62	984.57	1118.31	3883.80	4831.22	5936.86	5091.17	3345.17	1273.22	1142.62	1230.43
63	866.58	986.09	3816.62	4796.96	5959.00	5112.19	3169.05	1167.16	1045.07	1124.96
64	767.76	869.08	3686.66	4762.79	5981.42	5137.82	2973.96	1059.78	950.13	1023.92
65	685.01	766.63	3453.10	4742.12	5998.62	5174.80	2766.49	959.88	863.03	925.75
66	613.01	676.87	3096.46	4736.96	6008.57	5222.22	2542.09	866.07	783.17	833.20
67	541.17	605.72	2653.64	4747.63	6003.50	5272.88	2294.67	778.88	708.77	752.13
68	469.33	534.99	2204.85	4767.75	5982.38	5321.05	2017.87	698.88	635.39	678.91
69	411.65	464.26	1842.26	4786.61	5937.11	5355.65	1722.39	626.55	564.79	615.59
70	366.78	410.37	1561.33	4812.96	5857.46	5370.37	1512.55	557.50	502.86	548.51
71	324.82	366.05	1338.73	4849.68	5728.78	5360.98	1302.70	486.58	452.81	482.36
72	283.58	328.74	1151.91	4878.10	5530.01	5320.26	1093.57	426.79	408.95	428.21
73	252.18	291.38	988.18	4903.52	5245.15	5244.68	932.06	379.21	366.75	385.29
74	224.46	256.68	834.40	4941.68	4882.28	5124.87	771.53	333.80	330.59	344.49
75	201.75	226.29	674.96	5020.83	4444.08	4924.62	625.47	293.10	301.44	303.49
76	183.91	199.94	533.71	5082.82	3953.05	4657.90	465.96	259.24	276.08	268.57
77	166.62	176.84	392.88	5009.72	3428.56	4417.27	318.01	230.90	252.79	237.62
78	148.11	155.35	252.05	4700.53	2874.42	4067.03	230.53	205.54	226.62	209.98
79	133.07	134.24	182.90	4067.10	2304.40	3543.65	182.76	182.25	196.69	184.88
80	117.35	114.29	138.77	3212.05	1772.30	2896.80	152.58	159.73	174.00	162.36
81	102.14	96.73	112.08	2415.71	1414.94	2245.73	122.56	137.21	149.87	139.85
82	87.13	80.36	91.22	1811.24	1061.49	1791.15	101.60	114.84	125.82	117.33
83	72.51	65.57	73.09	1367.08	830.44	1336.58	83.35	97.37	104.54	98.72
84	57.64	52.49	58.23	1020.13	683.12	883.76	66.11	80.54	83.77	81.78
85	42.76	39.43	43.42	736.74	556.14	615.50	50.32	59.70	55.81	58.27
86	27.89	26.38	28.60	555.94	409.90	409.71	36.33	40.08	27.85	38.93
87	14.57	14.80	16.98	375.26	302.15	287.45	24.76	20.46	0.41	19.59
88	9.89	4.42	7.45	194.59	194.39	165.20	13.20	1.35	0.19	0.70
89	5.24	2.50	4.43	34.74	86.69	43.19	1.94	0.59	0.20	0.27
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 : MPLSEL25HTT3HV-20000LM3K.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	5884.45	5884.45	5884.45	5884.45	5884.45	5884.45	5884.45
1	5871.75	5876.84	5882.30	5886.70	5891.15	5894.88	5896.05
2	5858.09	5869.59	5881.64	5890.08	5897.31	5902.79	5904.79
3	5841.65	5861.93	5880.98	5894.03	5902.84	5908.80	5911.46
4	5822.40	5852.31	5879.50	5896.61	5907.33	5912.87	5915.74
5	5800.17	5843.25	5878.40	5898.99	5910.39	5915.50	5917.33
6	5777.14	5833.84	5878.80	5901.41	5911.75	5916.42	5917.37
7	5753.88	5824.43	5878.60	5902.90	5912.39	5915.58	5915.27
8	5729.66	5815.05	5878.81	5904.01	5912.19	5912.79	5910.09
9	5704.75	5805.48	5879.23	5905.08	5910.51	5906.67	5901.82
10	5678.50	5796.34	5879.46	5905.97	5908.31	5897.21	5889.48
11	5651.92	5786.44	5879.67	5906.40	5904.24	5885.85	5872.74
12	5625.72	5776.60	5878.81	5905.33	5898.65	5869.90	5851.09
13	5598.21	5765.03	5876.92	5903.64	5889.80	5850.68	5824.24
14	5569.50	5753.96	5874.12	5900.00	5880.00	5827.48	5794.23
15	5541.10	5742.84	5871.55	5895.53	5868.46	5801.80	5758.90
16	5510.03	5731.46	5868.67	5890.66	5854.06	5771.62	5719.45
17	5478.50	5718.77	5866.96	5886.80	5836.14	5739.20	5676.15
18	5446.19	5706.50	5863.73	5883.75	5816.07	5703.35	5630.42
19	5411.84	5692.88	5859.91	5880.14	5794.24	5663.73	5580.89
20	5377.50	5679.48	5854.76	5874.56	5769.52	5621.98	5527.23
21	5342.42	5664.55	5848.95	5867.47	5744.54	5578.11	5470.85
22	5308.37	5650.23	5843.54	5858.05	5717.08	5530.10	5410.18
23	5272.82	5634.40	5836.67	5847.88	5688.62	5477.60	5345.23
24	5238.22	5618.49	5830.03	5838.56	5659.32	5422.90	5278.66
25	5202.65	5600.45	5824.06	5825.99	5626.99	5361.92	5205.49
26	5166.69	5582.36	5817.13	5813.63	5593.19	5298.81	5132.81
27	5130.58	5563.99	5811.04	5802.12	5558.29	5232.55	5057.17
28	5092.40	5545.51	5804.58	5788.78	5520.91	5164.45	4977.83
29	5053.57	5526.56	5798.58	5774.42	5482.22	5093.89	4894.22
30	5012.33	5506.91	5792.07	5760.95	5442.87	5021.08	4809.86
31	4970.62	5486.29	5784.79	5746.99	5400.88	4948.35	4723.21
32	4927.98	5467.00	5778.01	5731.29	5356.98	4872.15	4634.68
33	4883.34	5448.73	5771.09	5717.63	5311.68	4795.40	4544.04
34	4839.44	5428.23	5762.75	5702.72	5264.65	4716.49	4452.93
35	4795.27	5409.21	5755.58	5685.98	5215.90	4638.83	4360.30
36	4751.21	5388.26	5747.20	5667.63	5166.18	4559.29	4269.66

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CANDELA TABULATION - (Cont.)

37	4707.91	5368.23	5739.38	5651.16	5113.05	4478.85	4176.20
38	4665.03	5345.26	5731.13	5634.25	5058.28	4397.75	4082.88
39	4619.44	5323.23	5725.09	5613.18	5003.44	4316.67	3988.02
40	4573.16	5303.65	5720.26	5591.91	4948.19	4235.11	3895.90
41	4530.29	5283.38	5715.48	5573.17	4889.07	4149.05	3797.40
42	4486.25	5263.72	5712.88	5552.93	4829.51	4064.89	3697.77
43	4438.91	5244.82	5710.32	5531.11	4770.30	3979.57	3598.39
44	4393.14	5224.63	5706.68	5509.60	4709.45	3893.55	3499.69
45	4346.49	5202.99	5704.09	5487.52	4645.80	3806.92	3400.00
46	4298.61	5183.45	5703.39	5462.72	4581.38	3716.18	3296.79
47	4246.21	5165.61	5704.01	5437.65	4520.03	3624.15	3195.75
48	4193.13	5145.35	5705.08	5409.87	4457.68	3527.81	3090.32
49	4137.44	5124.72	5706.60	5378.54	4394.94	3421.63	2974.02
50	4082.72	5105.79	5710.00	5347.09	4333.54	3308.12	2846.29
51	4024.28	5088.72	5713.47	5316.37	4273.66	3181.54	2691.13
52	3963.25	5070.42	5719.90	5284.99	4215.67	3037.21	2527.92
53	3895.45	5052.59	5729.96	5252.19	4160.41	2871.89	2354.89
54	3823.58	5034.02	5742.01	5215.46	4106.42	2685.54	2184.79
55	3743.98	5016.46	5756.13	5180.20	4059.09	2479.00	2029.60
56	3657.93	4999.87	5773.23	5144.26	4016.97	2265.43	1884.02
57	3558.50	4983.42	5793.72	5106.74	3983.96	2055.84	1739.38
58	3446.01	4968.18	5818.98	5066.99	3962.95	1867.44	1586.61
59	3315.82	4953.69	5847.52	5025.50	3953.24	1691.39	1426.63
60	3166.22	4942.50	5881.97	4987.17	3951.15	1517.69	1266.98
61	2994.63	4935.10	5922.16	4951.79	3948.55	1343.90	1117.62
62	2803.31	4934.17	5965.82	4920.60	3944.51	1177.65	984.57
63	2594.76	4941.46	6014.04	4894.18	3934.14	1030.72	866.58
64	2371.59	4959.48	6066.58	4872.67	3907.04	899.52	767.76
65	2129.05	4987.90	6119.45	4862.09	3825.82	789.64	685.01
66	1871.33	5036.18	6169.37	4861.09	3635.44	693.14	613.01
67	1619.39	5099.39	6213.58	4873.12	3306.63	621.77	541.17
68	1367.45	5177.22	6248.81	4887.31	2849.48	550.96	469.33
69	1116.19	5264.54	6266.91	4906.43	2371.89	480.16	411.65
70	944.23	5357.70	6258.59	4929.54	1960.73	426.37	366.78
71	813.89	5461.76	6208.36	4954.66	1643.02	377.01	324.82
72	707.04	5561.82	6096.60	4968.10	1399.24	337.64	283.58
73	614.12	5622.90	5900.17	4950.94	1189.27	299.65	252.18
74	521.31	5613.05	5604.89	4891.34	997.28	261.76	224.46
75	414.12	5528.61	5213.53	4835.32	804.33	230.17	201.75
76	323.25	5343.13	4750.87	4797.89	612.97	201.39	183.91
77	256.88	5086.06	4226.69	4723.12	448.19	175.93	166.62
78	206.09	4739.78	3629.34	4616.04	284.24	153.50	148.11
79	176.23	4133.67	3002.43	4352.53	192.62	132.35	133.07
80	146.38	3324.93	2324.63	3804.12	146.63	112.57	117.35
81	116.70	2503.66	1712.43	3077.18	118.95	94.34	102.14
82	96.78	1979.08	1223.20	2435.67	97.41	77.66	87.13
83	79.12	1454.50	885.25	1908.97	78.66	62.69	72.51
84	62.77	932.11	673.74	1465.84	60.86	49.62	57.64
85	48.45	639.46	529.01	1082.34	45.50	36.58	42.76
86	36.60	428.34	384.38	745.91	30.15	24.62	27.89
87	24.75	297.65	239.74	509.13	17.56	13.68	14.57
88	12.90	166.96	82.96	273.00	7.37	3.90	9.89
89	1.39	39.61	62.84	36.88	4.43	2.24	5.24
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
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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

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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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2170.14	N.A.	10.70
0-30	4664.74	N.A.	23.10
0-40	7787.44	N.A.	38.50
0-60	14627.56	N.A.	72.30
0-80	19800.51	N.A.	97.90
0-90	20219.49	N.A.	100.00
10-90	19661.86	N.A.	97.20
20-40	5617.29	N.A.	27.80
20-50	9062.61	N.A.	44.80
40-70	9850.09	N.A.	48.70
60-80	5172.96	N.A.	25.60
70-80	2162.99	N.A.	10.70
80-90	418.98	N.A.	2.10
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	20219.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	557.63
10-20	1612.51
20-30	2494.59
30-40	3122.7
40-50	3445.32
50-60	3394.81
60-70	3009.97
70-80	2162.99
80-90	418.98
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 : MPLSEL25HTT3HV-20000LM3K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	72	64	59	69	63	58	66	61	57	54
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45
5	73	59	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	49	41	36	47	41	36	34
7	62	48	39	32	60	47	38	32	46	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	29	42	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	30	25	23
10	51	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

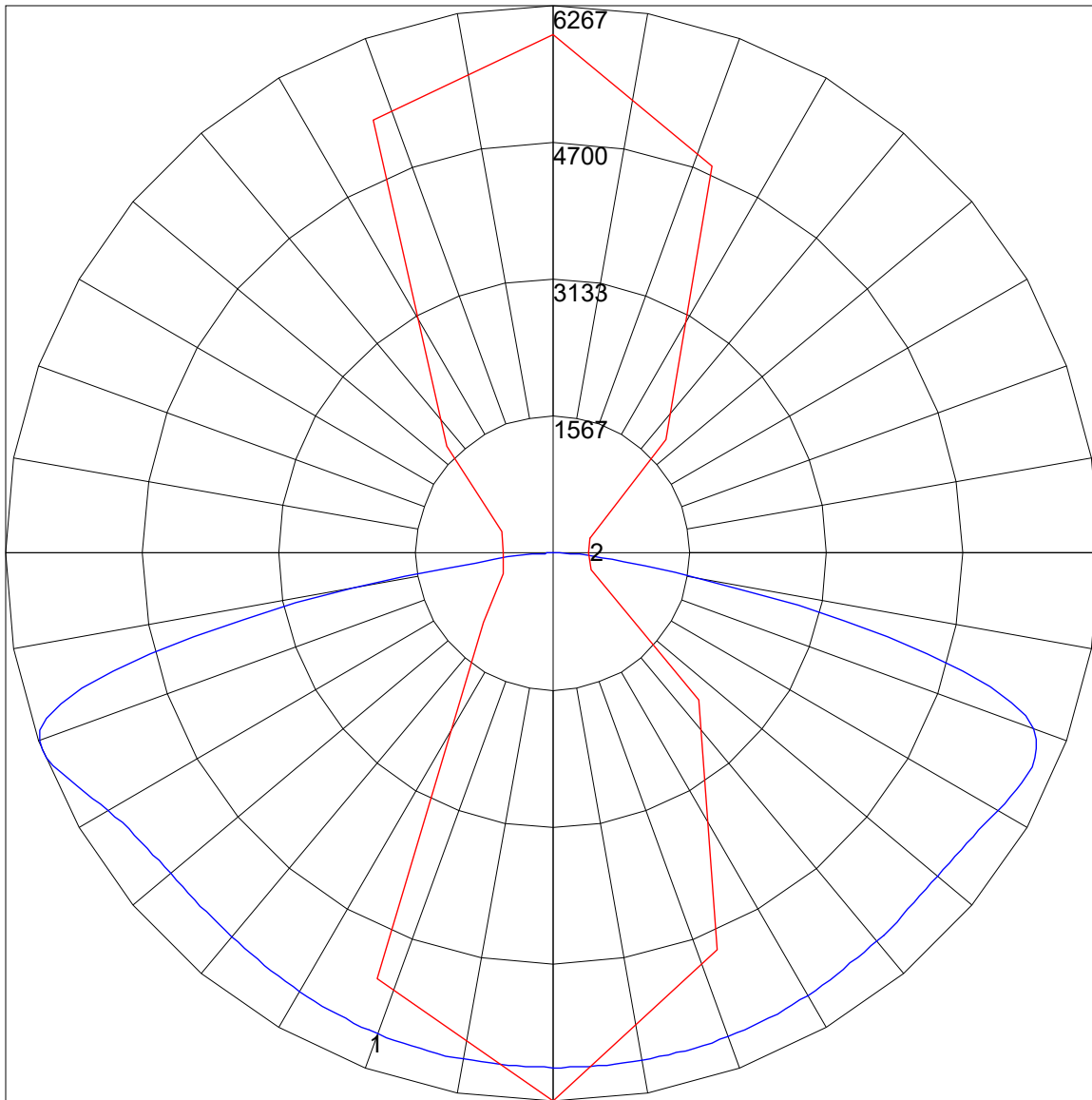
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPLSEL25HTT3HV-20000LM3K.IES

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	25.3	27.0	25.7	27.4	27.7	32.5	34.2	32.9	34.5	34.8
	3H	25.6	27.2	26.0	27.5	27.9	36.4	37.9	36.7	38.3	38.6
	4H	25.7	27.1	26.1	27.5	27.9	38.0	39.5	38.4	39.8	40.2
	6H	25.7	27.1	26.1	27.4	27.8	38.8	40.2	39.2	40.6	41.0
	8H	25.7	27.0	26.1	27.4	27.8	38.9	40.2	39.3	40.6	41.0
	12H	25.7	26.9	26.1	27.3	27.7	39.0	40.2	39.4	40.6	41.0
4H	2H	28.8	30.3	29.2	30.6	31.0	32.9	34.4	33.3	34.7	35.1
	3H	29.1	30.3	29.5	30.7	31.1	36.9	38.2	37.4	38.6	39.0
	4H	29.1	30.2	29.5	30.6	31.1	39.1	40.2	39.5	40.6	41.0
	6H	29.1	30.1	29.5	30.5	31.0	40.2	41.3	40.7	41.7	42.1
	8H	29.1	30.0	29.5	30.5	30.9	40.4	41.3	40.9	41.8	42.2
	12H	29.1	29.9	29.5	30.4	30.9	40.5	41.3	40.9	41.8	42.3
8H	4H	30.8	31.8	31.3	32.2	32.7	39.1	40.0	39.5	40.5	40.9
	6H	30.8	31.6	31.3	32.1	32.6	40.5	41.2	40.9	41.7	42.2
	8H	30.8	31.5	31.3	32.0	32.5	40.7	41.4	41.2	41.9	42.4
	12H	30.8	31.4	31.3	31.9	32.5	40.8	41.4	41.3	41.9	42.5
12H	4H	31.7	32.6	32.2	33.0	33.5	39.1	39.9	39.5	40.4	40.9
	6H	31.7	32.4	32.2	32.9	33.4	40.4	41.1	41.0	41.6	42.1
	8H	31.7	32.3	32.2	32.8	33.4	40.7	41.3	41.2	41.8	42.4

Maximum UGR = 42.5

POLAR GRAPH



Maximum Candela = 6266.91 Located At Horizontal Angle = 270, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)