

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3-14000LM4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3221028-49930E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-12-01
[ISSUE DATE] 2022-12-02 09:27:46
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] MPLSEL25HTT3-14000LM4K
[LAMP] N/A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15115
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	101.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.62
Spacing Criterion (Diagonal)	1.52
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	89165	123687	151939
55	70907	134027	188900
65	36122	156935	260656
75	17345	29340	314171
85	12995	11231	122332

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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	4290.64	4290.64	4290.64	4290.64	4290.64	4290.64	4290.64	4290.64	4290.64	4290.64
1	4306.24	4304.75	4303.62	4301.63	4293.37	4289.08	4282.88	4275.88	4273.89	4273.43
2	4317.34	4315.37	4313.54	4309.79	4299.48	4286.31	4272.71	4258.94	4254.78	4252.48
3	4325.71	4326.25	4323.55	4320.21	4303.39	4283.30	4260.91	4240.62	4229.29	4229.83
4	4330.67	4334.48	4332.40	4328.64	4307.04	4282.43	4245.94	4217.94	4201.69	4203.66
5	4333.93	4341.42	4341.23	4336.64	4311.36	4279.84	4232.34	4193.36	4174.49	4177.57
6	4335.87	4342.72	4347.65	4341.37	4317.02	4274.19	4218.33	4169.25	4141.68	4147.60
7	4335.26	4344.03	4349.33	4347.89	4322.16	4270.98	4203.12	4139.95	4109.58	4115.95
8	4336.31	4346.78	4354.37	4355.34	4327.80	4267.66	4184.32	4112.62	4075.88	4084.99
9	4334.41	4349.63	4359.87	4360.89	4330.38	4261.89	4166.44	4084.87	4041.61	4053.81
10	4327.82	4347.76	4363.55	4368.60	4338.32	4261.62	4146.55	4052.69	4005.71	4020.45
11	4322.41	4344.77	4365.94	4376.99	4347.84	4258.30	4127.07	4019.80	3966.52	3985.78
12	4313.46	4337.98	4370.84	4387.09	4353.96	4253.87	4107.40	3987.96	3926.52	3953.90
13	4300.67	4329.08	4372.03	4393.53	4359.24	4251.05	4089.92	3954.25	3888.15	3918.66
14	4282.92	4317.36	4374.61	4403.90	4366.78	4249.13	4070.98	3919.37	3843.99	3880.97
15	4263.74	4304.47	4376.12	4409.49	4376.26	4248.68	4049.46	3883.59	3801.75	3843.62
16	4240.35	4287.88	4371.31	4417.57	4387.75	4244.81	4031.31	3845.00	3757.66	3805.58
17	4213.94	4267.12	4367.10	4425.30	4394.83	4244.85	4010.50	3805.79	3712.32	3767.85
18	4187.47	4247.18	4362.33	4434.22	4403.50	4246.09	3992.49	3764.33	3666.37	3725.33
19	4156.34	4222.00	4356.80	4441.23	4411.18	4244.00	3973.20	3723.84	3619.74	3683.35
20	4122.12	4194.58	4346.49	4447.10	4419.22	4246.11	3954.57	3680.99	3571.76	3641.15
21	4087.62	4168.89	4335.66	4452.97	4428.44	4244.82	3933.29	3639.19	3521.82	3595.44
22	4050.87	4138.18	4322.16	4459.43	4436.77	4245.24	3914.86	3595.99	3471.93	3551.23
23	4009.92	4104.42	4309.36	4465.08	4445.92	4245.07	3894.87	3551.74	3421.70	3505.04
24	3968.52	4072.51	4294.43	4465.56	4451.89	4246.95	3873.43	3509.60	3370.82	3458.97
25	3919.38	4035.46	4279.63	4467.29	4459.69	4242.65	3852.75	3462.76	3319.37	3412.56
26	3870.91	3996.87	4260.63	4467.09	4467.36	4242.68	3830.19	3415.44	3265.24	3364.70
27	3817.43	3954.57	4240.60	4470.02	4473.90	4243.73	3809.45	3369.53	3213.58	3319.42
28	3762.81	3907.90	4222.80	4473.46	4478.72	4242.62	3790.31	3321.67	3162.05	3270.55
29	3704.59	3862.20	4201.61	4472.07	4483.15	4241.07	3771.15	3277.45	3107.62	3222.82
30	3645.79	3813.57	4181.40	4469.69	4488.87	4238.96	3749.77	3231.30	3054.50	3177.12
31	3583.41	3761.90	4156.49	4468.40	4495.18	4237.02	3728.26	3181.38	2997.30	3129.81
32	3522.42	3706.51	4131.75	4466.71	4499.68	4236.45	3706.45	3130.79	2942.30	3080.54
33	3461.45	3650.72	4104.75	4464.13	4501.84	4231.91	3684.81	3079.91	2881.57	3026.94
34	3395.85	3594.30	4076.15	4460.42	4504.42	4225.88	3664.44	3029.55	2820.89	2973.51
35	3330.74	3536.54	4047.22	4456.85	4506.34	4221.39	3637.22	2974.33	2754.65	2916.47
36	3266.91	3479.50	4017.75	4449.85	4508.89	4213.93	3612.40	2918.62	2686.46	2854.82
37	3203.99	3421.42	3986.22	4445.70	4508.29	4208.61	3589.08	2859.40	2615.14	2793.87
38	3140.56	3363.68	3951.22	4438.38	4510.60	4202.47	3561.95	2797.28	2546.72	2730.46
39	3073.53	3300.33	3915.92	4433.16	4509.35	4195.93	3537.25	2732.46	2478.09	2666.61
40	3005.60	3240.03	3878.62	4423.65	4511.99	4188.62	3511.85	2665.18	2408.42	2600.06
41	2937.51	3178.75	3840.93	4411.11	4514.13	4179.90	3485.29	2594.07	2331.35	2534.75
42	2866.99	3115.39	3802.60	4398.61	4515.39	4171.16	3458.24	2520.52	2252.56	2466.01
43	2794.67	3053.18	3762.11	4387.43	4515.36	4161.62	3429.63	2439.53	2171.74	2393.65
44	2722.16	2990.89	3719.02	4371.56	4514.31	4149.17	3400.70	2355.77	2095.52	2319.56
45	2649.20	2926.99	3674.88	4357.66	4514.27	4138.60	3370.20	2273.71	2019.23	2239.91
46	2575.44	2858.72	3631.12	4344.65	4512.36	4125.76	3339.45	2188.82	1945.80	2156.09
47	2503.19	2789.32	3586.43	4326.75	4511.09	4112.76	3306.69	2100.65	1871.65	2067.63
48	2431.57	2713.75	3539.50	4308.49	4511.93	4094.91	3270.19	2008.60	1798.49	1983.46
49	2353.04	2635.48	3493.54	4286.34	4511.79	4076.49	3235.80	1913.31	1722.26	1900.31
50	2272.35	2557.86	3449.43	4262.58	4516.37	4057.28	3198.31	1825.26	1643.53	1818.54
51	2180.19	2470.75	3402.31	4236.08	4520.40	4041.17	3157.95	1733.62	1565.85	1736.44
52	2072.96	2378.04	3356.51	4208.63	4525.51	4026.29	3114.80	1641.87	1491.61	1651.59
53	1955.40	2272.58	3313.20	4178.45	4533.55	4011.30	3068.96	1553.48	1423.67	1566.95

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54	1830.37	2143.63	3269.21	4145.07	4540.81	3996.84	3014.79	1468.02	1363.18	1479.80
55	1708.88	1997.19	3230.12	4112.79	4552.58	3983.62	2956.86	1389.65	1302.70	1397.01
56	1592.51	1839.06	3196.51	4079.99	4561.68	3969.45	2888.58	1323.14	1242.16	1327.63
57	1482.50	1680.81	3168.67	4043.48	4566.24	3958.11	2803.14	1256.58	1172.04	1258.26
58	1374.39	1529.29	3148.36	4003.08	4570.97	3944.38	2702.30	1185.61	1094.17	1188.95
59	1264.27	1385.59	3137.74	3958.11	4572.13	3931.04	2581.98	1108.59	1012.84	1113.61
60	1149.30	1252.21	3125.84	3911.00	4580.54	3914.87	2440.00	1024.30	931.89	1032.51
61	1030.01	1125.65	3109.25	3864.08	4587.83	3902.77	2277.53	935.89	851.49	948.64
62	919.98	1006.69	3080.06	3813.15	4596.97	3897.27	2101.07	851.33	774.86	867.91
63	817.79	898.40	3027.51	3763.71	4605.59	3895.62	1917.50	772.19	704.71	790.54
64	724.28	795.54	2938.06	3719.88	4617.29	3898.85	1714.01	696.06	642.45	716.43
65	641.44	699.96	2786.78	3684.73	4628.60	3906.96	1502.80	622.33	584.34	644.26
66	580.05	626.47	2548.98	3661.14	4637.11	3927.48	1291.60	556.36	529.41	579.07
67	518.67	553.00	2216.88	3650.41	4641.01	3954.58	1080.85	499.20	473.32	518.93
68	457.30	479.52	1831.69	3657.85	4628.96	3993.71	903.30	448.80	417.95	463.64
69	402.11	424.34	1452.54	3681.88	4586.22	4029.69	763.76	402.00	373.21	413.16
70	351.08	371.10	1150.13	3713.17	4512.83	4046.09	660.46	359.37	339.31	369.77
71	313.03	322.09	916.02	3741.50	4405.19	4020.80	571.46	318.23	308.47	330.48
72	278.84	282.30	745.01	3767.01	4242.86	3960.55	492.00	279.40	279.43	294.08
73	242.52	249.73	604.27	3777.57	4015.37	3870.69	418.40	242.88	253.47	258.20
74	213.22	219.33	461.68	3783.18	3739.43	3765.67	337.14	210.64	232.77	224.77
75	188.63	193.25	319.07	3801.47	3416.62	3634.72	256.00	183.40	213.86	196.35
76	168.62	170.83	237.69	3818.84	3065.35	3463.36	201.95	163.03	196.04	172.07
77	152.40	151.21	190.39	3759.95	2687.88	3306.19	172.86	142.66	174.59	152.51
78	137.73	133.98	159.93	3536.39	2252.94	3095.26	143.77	122.40	155.65	132.96
79	122.33	118.00	135.99	3141.86	1836.85	2725.97	114.74	105.06	136.72	113.40
80	110.37	102.22	115.72	2608.92	1420.76	2178.71	95.55	89.03	117.82	96.22
81	97.47	87.08	97.82	2017.89	1004.75	1739.63	79.17	75.05	101.59	81.33
82	85.06	73.46	81.40	1527.33	740.42	1300.55	64.18	62.26	84.01	67.67
83	71.77	61.77	66.43	1161.64	579.15	864.37	50.60	51.07	63.39	55.96
84	59.66	50.13	53.74	863.70	510.23	593.00	38.58	34.85	42.19	39.45
85	47.59	38.49	41.13	625.13	447.99	387.41	27.03	18.63	20.99	26.88
86	35.53	28.20	28.52	461.44	360.80	273.81	15.48	2.72	0.24	14.32
87	23.54	18.74	18.23	299.28	256.70	160.22	3.94	1.28	0.15	1.78
88	13.12	10.33	9.69	164.69	152.60	47.57	1.05	0.36	0.15	0.23
89	8.81	6.97	6.77	42.03	49.69	24.07	0.51	0.34	0.16	0.18
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 : MPLSEL25HTT3-14000LM4K.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	4290.64	4290.64	4290.64	4290.64	4290.64	4290.64	4290.64
1	4276.60	4283.98	4287.23	4292.60	4298.32	4301.79	4306.24
2	4260.43	4274.65	4285.43	4297.92	4306.64	4311.66	4317.34
3	4241.96	4265.29	4283.30	4304.09	4312.22	4318.75	4325.71
4	4223.37	4254.82	4281.10	4303.65	4315.80	4324.10	4330.67
5	4204.46	4246.80	4282.57	4307.92	4317.56	4328.00	4333.93
6	4184.73	4238.08	4282.38	4309.02	4321.78	4329.74	4335.87
7	4163.36	4227.61	4282.80	4309.90	4322.55	4330.00	4335.26
8	4142.07	4221.45	4282.80	4313.26	4322.78	4330.00	4336.31
9	4121.38	4212.48	4284.29	4313.37	4324.27	4328.30	4334.41
10	4100.98	4204.10	4282.63	4316.13	4325.78	4324.25	4327.82
11	4078.23	4194.86	4285.40	4316.39	4324.96	4319.73	4322.41
12	4054.55	4183.46	4281.63	4316.61	4324.09	4311.59	4313.46
13	4030.27	4174.96	4282.56	4317.68	4321.07	4301.58	4300.67
14	4009.56	4166.79	4284.93	4319.20	4318.24	4290.32	4282.92
15	3986.77	4156.69	4287.94	4320.06	4311.46	4276.47	4263.74
16	3960.88	4149.91	4289.27	4323.64	4303.14	4258.76	4240.35
17	3937.13	4142.01	4289.07	4324.61	4295.17	4237.90	4213.94
18	3912.61	4134.39	4289.29	4326.78	4285.18	4215.68	4187.47
19	3888.60	4126.30	4290.14	4326.35	4276.85	4189.94	4156.34
20	3865.50	4118.03	4290.37	4328.05	4264.34	4162.23	4122.12
21	3841.29	4113.36	4290.79	4329.36	4253.25	4133.19	4087.62
22	3814.74	4105.67	4290.59	4327.03	4239.30	4101.61	4050.87
23	3789.23	4096.74	4291.66	4322.30	4221.57	4068.46	4009.92
24	3763.09	4090.16	4291.88	4319.71	4205.92	4034.47	3968.52
25	3737.22	4082.55	4291.67	4317.27	4186.60	3996.11	3919.38
26	3709.85	4075.30	4292.10	4315.38	4164.69	3955.50	3870.91
27	3683.01	4067.89	4292.31	4311.12	4143.84	3912.01	3817.43
28	3656.94	4059.54	4289.60	4306.46	4120.26	3869.21	3762.81
29	3630.73	4051.02	4291.65	4300.47	4097.38	3822.46	3704.59
30	3599.59	4042.77	4292.31	4295.86	4073.67	3773.77	3645.79
31	3570.43	4034.68	4289.76	4293.71	4046.00	3725.82	3583.41
32	3540.31	4028.05	4288.00	4287.83	4016.39	3672.55	3522.42
33	3508.55	4018.80	4286.94	4281.12	3989.25	3620.13	3461.45
34	3480.26	4008.22	4281.14	4274.51	3963.33	3566.88	3395.85
35	3450.13	3999.06	4276.92	4266.68	3934.57	3513.68	3330.74
36	3424.88	3985.64	4273.32	4259.77	3902.94	3458.70	3266.91

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CANDELA TABULATION - (Cont.)

37	3395.00	3975.25	4269.64	4251.53	3871.83	3401.90	3203.99
38	3366.56	3962.74	4265.86	4236.19	3836.65	3346.43	3140.56
39	3339.27	3950.75	4262.93	4224.57	3801.52	3287.04	3073.53
40	3308.50	3937.29	4261.65	4216.22	3764.79	3228.28	3005.60
41	3280.46	3923.56	4259.07	4205.00	3726.43	3166.86	2937.51
42	3248.71	3909.73	4257.76	4192.30	3687.17	3103.88	2866.99
43	3217.56	3895.61	4257.08	4178.64	3646.64	3044.50	2794.67
44	3187.82	3879.62	4258.80	4167.24	3602.81	2983.48	2722.16
45	3155.35	3866.45	4259.67	4152.24	3559.79	2922.15	2649.20
46	3120.18	3851.70	4258.39	4135.95	3515.76	2859.50	2575.44
47	3083.91	3838.36	4253.20	4119.74	3469.33	2793.66	2503.19
48	3047.01	3824.45	4249.52	4103.63	3423.88	2725.33	2431.57
49	3010.83	3812.26	4248.67	4088.43	3374.48	2649.60	2353.04
50	2970.21	3796.65	4247.36	4068.27	3328.07	2575.48	2272.35
51	2925.85	3781.22	4248.64	4045.45	3280.65	2493.79	2180.19
52	2872.92	3766.79	4250.80	4023.17	3233.26	2405.60	2072.96
53	2813.52	3754.14	4257.04	4000.58	3187.73	2308.39	1955.40
54	2749.20	3739.71	4261.74	3976.05	3144.00	2199.26	1830.37
55	2677.12	3728.39	4270.38	3953.12	3106.66	2078.07	1708.88
56	2594.99	3713.18	4279.97	3926.77	3069.96	1939.94	1592.51
57	2501.85	3700.98	4287.97	3904.47	3038.98	1792.17	1482.50
58	2390.05	3687.03	4295.57	3873.97	3013.48	1642.37	1374.39
59	2257.67	3670.90	4299.21	3842.37	2995.41	1509.26	1264.27
60	2108.46	3654.27	4305.47	3808.12	2988.60	1377.86	1149.30
61	1943.43	3638.44	4314.09	3771.50	2981.65	1239.98	1030.01
62	1766.57	3618.89	4327.63	3728.26	2973.93	1100.96	919.98
63	1577.92	3600.94	4342.68	3685.60	2957.25	964.53	817.79
64	1389.50	3584.32	4360.97	3644.03	2925.33	840.91	724.28
65	1201.07	3569.55	4378.72	3604.05	2863.14	733.73	641.44
66	1012.83	3559.58	4402.93	3562.00	2749.44	645.15	580.05
67	861.43	3562.48	4429.57	3526.90	2553.80	578.06	518.67
68	717.85	3585.19	4461.10	3495.80	2264.90	511.16	457.30
69	593.60	3624.59	4483.35	3482.30	1881.75	444.26	402.11
70	499.91	3669.63	4485.13	3476.61	1468.56	389.22	351.08
71	426.64	3713.73	4457.30	3465.21	1155.91	336.79	313.03
72	361.59	3737.03	4398.38	3442.08	936.90	293.79	278.84
73	306.14	3747.40	4291.55	3412.84	766.26	259.66	242.52
74	263.43	3729.86	4125.75	3363.49	635.31	226.68	213.22
75	228.53	3658.28	3900.11	3300.58	526.27	197.92	188.63
76	198.31	3555.57	3626.27	3240.65	417.56	174.66	168.62
77	172.73	3423.58	3320.37	3227.34	308.85	155.35	152.40
78	147.16	3195.22	2970.62	3266.33	218.46	138.45	137.73
79	121.60	2850.11	2576.01	3248.93	163.83	122.45	122.33
80	102.43	2335.75	2117.42	3102.64	134.45	106.66	110.37
81	86.00	1849.26	1571.16	2779.72	112.89	91.08	97.47
82	70.84	1362.78	1075.56	2290.54	95.06	76.75	85.06
83	56.81	880.35	772.64	1813.96	78.64	63.71	71.77
84	44.34	626.73	666.17	1422.47	63.62	52.80	59.66
85	33.06	437.19	560.04	1083.74	50.86	41.97	47.59
86	22.69	301.79	453.91	775.19	38.15	31.14	35.53
87	12.33	241.30	370.83	563.38	25.44	21.69	23.54
88	2.05	180.82	266.91	354.37	15.18	13.07	13.12
89	0.61	120.33	132.24	145.37	6.70	4.62	8.81
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1588.87	N.A.	10.50
0-30	3437.28	N.A.	22.70
0-40	5779.61	N.A.	38.20
0-60	10982.11	N.A.	72.70
0-80	14770.00	N.A.	97.70
0-90	15114.69	N.A.	100.00
10-90	14707.86	N.A.	97.30
20-40	4190.74	N.A.	27.70
20-50	6800.18	N.A.	45.00
40-70	7425.45	N.A.	49.10
60-80	3787.89	N.A.	25.10
70-80	1564.94	N.A.	10.40
80-90	344.69	N.A.	2.30
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	15114.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	406.83
10-20	1182.04
20-30	1848.41
30-40	2342.33
40-50	2609.45
50-60	2593.05
60-70	2222.96
70-80	1564.94
80-90	344.69
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 : MPLSEL25HTT3-14000LM4K.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	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	49	41	36	47	41	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	25	38	31	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

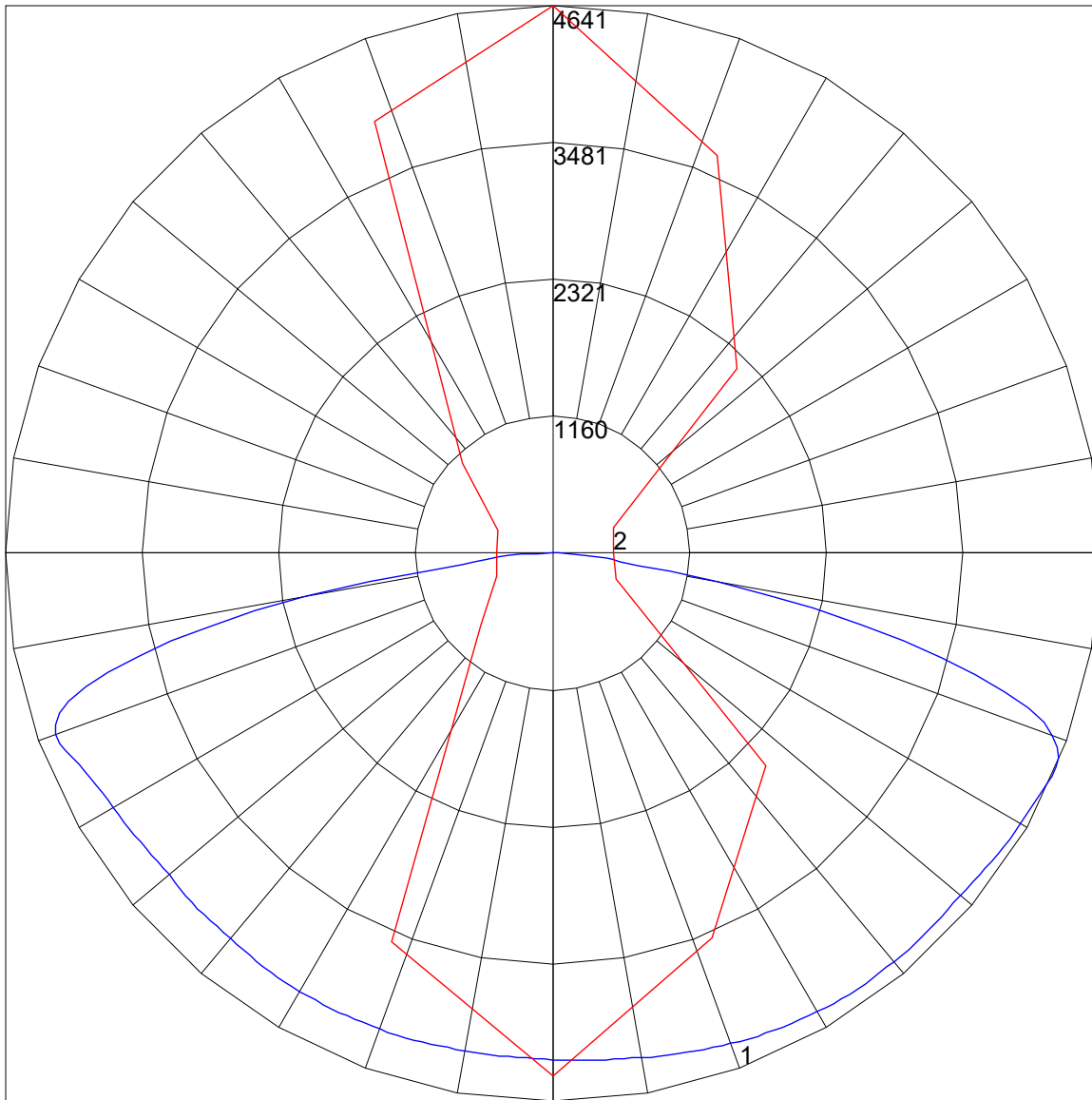
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UGR TABLE - CORRECTED

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	25.3	27.0	25.7	27.3	27.7	31.9	33.6	32.2	33.9	34.2
	3H	25.7	27.2	26.0	27.6	27.9	35.6	37.2	36.0	37.5	37.9
	4H	25.7	27.2	26.1	27.5	27.9	37.2	38.7	37.6	39.0	39.4
	6H	25.8	27.1	26.2	27.5	27.9	38.0	39.4	38.4	39.8	40.2
	8H	25.8	27.1	26.2	27.5	27.9	38.1	39.4	38.5	39.8	40.2
	12H	25.7	27.0	26.2	27.4	27.8	38.1	39.4	38.6	39.8	40.2
4H	2H	28.3	29.8	28.7	30.1	30.5	32.1	33.6	32.5	34.0	34.3
	3H	28.6	29.9	29.0	30.3	30.7	36.1	37.4	36.5	37.8	38.2
	4H	28.6	29.8	29.0	30.2	30.6	38.2	39.3	38.6	39.7	40.2
	6H	28.6	29.7	29.1	30.1	30.5	39.4	40.4	39.8	40.8	41.3
	8H	28.7	29.6	29.1	30.0	30.5	39.6	40.5	40.0	40.9	41.4
	12H	28.6	29.5	29.1	30.0	30.4	39.6	40.5	40.1	40.9	41.4
8H	4H	30.1	31.0	30.5	31.4	31.9	38.2	39.1	38.7	39.6	40.0
	6H	30.0	30.8	30.5	31.3	31.8	39.6	40.4	40.1	40.9	41.4
	8H	30.0	30.7	30.5	31.2	31.7	39.9	40.6	40.4	41.1	41.5
	12H	30.0	30.7	30.5	31.2	31.7	40.0	40.6	40.5	41.1	41.6
12H	4H	31.0	31.8	31.4	32.3	32.8	38.2	39.0	38.6	39.5	40.0
	6H	31.0	31.7	31.5	32.1	32.7	39.6	40.3	40.1	40.8	41.3
	8H	31.0	31.6	31.5	32.1	32.6	39.9	40.5	40.4	41.0	41.5

Maximum UGR = 41.6

POLAR GRAPH



Maximum Candela = 4641.01 Located At Horizontal Angle = 90, Vertical Angle = 67
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)