

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-14000LM4K.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 19:25:55  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL25HTT5HV-14000LM4K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14480
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	98.8
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	130460	125599	118219
55	137640	128996	122798
65	116305	113324	117893
75	43759	30229	48867
85	8337	7124	6387

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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	4084.95	4084.95	4084.95	4084.95	4084.95	4084.95	4084.95	4084.95	4084.95	4084.95
1	4102.84	4102.80	4100.27	4095.68	4088.46	4081.45	4074.20	4068.93	4065.86	4066.28
2	4121.10	4120.80	4124.45	4105.75	4092.14	4077.29	4063.24	4052.50	4046.81	4043.60
3	4138.98	4129.77	4139.01	4115.76	4094.78	4073.28	4051.63	4035.61	4026.96	4019.80
4	4157.45	4146.89	4153.96	4126.07	4098.00	4068.83	4040.33	4018.79	4007.47	4007.61
5	4175.36	4163.95	4168.49	4135.70	4100.78	4063.88	4028.49	4001.79	3987.66	3981.03
6	4194.46	4183.85	4181.94	4144.51	4103.10	4058.57	4016.23	3985.23	3969.45	3963.88
7	4213.50	4208.68	4194.64	4152.62	4104.64	4052.39	4003.82	3968.90	3951.36	3951.74
8	4231.81	4216.77	4206.71	4159.81	4105.70	4045.86	3991.65	3952.59	3933.70	3927.88
9	4249.49	4235.02	4217.44	4166.22	4106.34	4039.88	3980.77	3938.30	3916.63	3914.25
10	4266.81	4257.24	4227.23	4171.79	4106.12	4033.45	3970.29	3924.38	3899.93	3902.94
11	4282.96	4261.75	4236.06	4176.08	4105.24	4028.00	3961.09	3911.02	3882.44	3886.34
12	4298.51	4273.63	4243.19	4178.91	4104.13	4022.76	3951.71	3896.87	3865.64	3869.18
13	4312.76	4284.60	4249.35	4180.67	4102.23	4017.47	3942.42	3883.77	3849.17	3845.16
14	4325.26	4293.28	4254.22	4181.51	4099.56	4012.20	3932.24	3870.56	3832.25	3828.72
15	4336.61	4307.76	4258.24	4181.53	4095.88	4006.72	3921.58	3857.02	3816.76	3813.69
16	4346.72	4307.57	4261.04	4180.68	4092.50	4000.18	3909.97	3843.08	3801.13	3798.30
17	4355.49	4312.25	4261.91	4179.19	4087.66	3992.04	3898.76	3827.91	3785.99	3782.76
18	4363.11	4323.77	4260.22	4175.57	4082.83	3983.93	3888.00	3813.22	3770.63	3767.60
19	4368.41	4325.48	4256.31	4170.12	4077.30	3975.43	3876.11	3798.59	3755.38	3756.75
20	4371.02	4316.05	4250.49	4163.86	4070.90	3965.35	3863.82	3783.40	3739.78	3740.41
21	4371.89	4310.64	4243.99	4156.96	4062.83	3954.74	3849.81	3765.99	3723.22	3717.55
22	4369.80	4304.31	4235.36	4148.40	4054.49	3944.01	3834.69	3748.66	3707.00	3700.95
23	4365.32	4303.70	4225.64	4138.68	4044.38	3931.95	3817.69	3729.06	3688.70	3684.41
24	4358.34	4284.74	4215.28	4127.50	4033.54	3919.17	3800.72	3708.42	3669.44	3667.54
25	4354.67	4273.94	4203.17	4114.32	4020.53	3905.54	3782.55	3687.20	3650.26	3658.03
26	4335.05	4268.41	4189.96	4100.06	4006.26	3891.66	3764.90	3665.66	3629.76	3639.80
27	4318.54	4247.46	4176.90	4084.09	3990.87	3877.00	3748.88	3645.48	3608.29	3616.11
28	4303.15	4229.48	4162.68	4067.69	3974.21	3861.99	3732.45	3625.85	3585.67	3596.71
29	4290.89	4213.43	4147.29	4048.95	3956.41	3845.08	3717.03	3606.59	3564.28	3575.29
30	4280.19	4205.21	4130.79	4030.71	3937.51	3828.37	3700.31	3587.89	3550.08	3555.11
31	4255.08	4179.72	4113.12	4011.32	3917.29	3810.27	3683.53	3569.20	3531.96	3535.79
32	4238.30	4161.03	4094.44	3990.20	3896.75	3791.98	3665.62	3549.95	3507.14	3516.77
33	4221.12	4151.41	4075.26	3969.09	3874.27	3772.67	3647.16	3531.11	3496.34	3490.98
34	4202.35	4131.27	4054.15	3945.44	3850.25	3753.06	3627.50	3512.13	3479.31	3472.42
35	4181.79	4110.55	4032.68	3921.49	3824.92	3731.62	3606.99	3493.34	3455.17	3453.92
36	4159.60	4088.68	4002.11	3896.34	3798.50	3709.90	3586.16	3473.58	3438.64	3443.11
37	4136.13	4057.48	3986.47	3871.02	3770.70	3685.85	3564.87	3453.57	3421.86	3424.41
38	4110.57	4034.47	3961.09	3843.73	3740.87	3660.90	3543.42	3434.10	3404.08	3406.20
39	4083.12	4016.04	3934.28	3814.84	3710.96	3635.12	3520.71	3414.67	3385.73	3381.06
40	4052.92	3979.89	3906.32	3784.14	3679.38	3607.37	3497.51	3395.03	3366.56	3363.67
41	4020.96	3955.64	3875.60	3751.53	3648.60	3579.06	3474.10	3374.86	3345.54	3350.19
42	3986.59	3926.52	3843.80	3718.73	3615.95	3548.33	3450.32	3352.93	3323.97	3323.79
43	3951.48	3892.92	3808.84	3684.49	3582.39	3517.28	3426.04	3330.94	3302.25	3304.38
44	3913.31	3856.24	3772.08	3646.77	3548.60	3484.46	3401.11	3306.69	3279.90	3291.34
45	3876.11	3818.07	3731.67	3607.95	3512.42	3448.82	3373.57	3281.63	3257.75	3263.04
46	3841.77	3777.21	3688.41	3567.60	3473.99	3412.71	3345.52	3255.80	3233.80	3247.52
47	3795.53	3724.13	3642.02	3524.72	3433.44	3374.82	3316.35	3229.55	3205.14	3226.12
48	3754.00	3676.79	3591.05	3479.32	3390.89	3336.53	3285.73	3204.72	3178.15	3202.99
49	3710.09	3631.72	3535.59	3433.79	3345.10	3297.69	3253.24	3177.78	3150.18	3171.04
50	3667.07	3577.48	3477.11	3387.81	3291.82	3256.76	3218.62	3150.16	3119.72	3144.82
51	3618.72	3514.58	3415.01	3335.42	3232.12	3214.45	3181.97	3122.12	3087.85	3117.83
52	3559.49	3452.07	3345.85	3278.16	3167.09	3169.17	3141.18	3090.42	3047.54	3090.88
53	3490.07	3385.36	3272.31	3210.04	3098.62	3116.24	3097.62	3054.08	2999.51	3066.53

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54	3407.88	3307.03	3191.95	3133.00	3029.27	3058.68	3051.34	3009.54	2945.85	3026.93
55	3317.19	3214.23	3108.87	3049.73	2959.49	2996.59	3002.52	2956.23	2887.82	2992.19
56	3218.78	3108.48	3020.92	2960.27	2888.33	2930.43	2948.24	2893.15	2829.01	2939.94
57	3118.08	2999.71	2925.25	2867.21	2813.61	2856.96	2891.36	2826.17	2771.79	2874.62
58	3014.35	2872.70	2826.11	2769.22	2738.35	2779.93	2826.24	2756.18	2720.05	2810.36
59	2909.54	2748.82	2721.45	2669.82	2661.75	2699.80	2754.02	2689.17	2673.85	2747.55
60	2806.06	2630.55	2614.63	2568.65	2588.87	2617.50	2670.81	2624.50	2639.93	2692.14
61	2694.81	2509.99	2498.83	2463.94	2510.46	2531.93	2568.33	2561.12	2600.48	2631.59
62	2573.89	2389.43	2373.88	2358.71	2421.87	2441.98	2449.67	2494.61	2565.64	2571.12
63	2428.59	2264.02	2255.89	2253.18	2324.11	2355.13	2321.85	2423.12	2527.39	2515.89
64	2252.98	2130.99	2134.48	2140.18	2216.73	2259.11	2195.54	2339.41	2475.34	2458.51
65	2065.29	1982.74	2012.35	2022.98	2093.49	2146.88	2073.29	2243.93	2394.31	2391.03
66	1876.85	1822.56	1892.16	1902.51	1957.36	2024.50	1957.41	2139.71	2296.45	2304.93
67	1688.86	1661.49	1762.80	1775.03	1801.37	1889.82	1848.17	2022.35	2183.12	2208.54
68	1514.30	1500.75	1627.71	1633.81	1616.67	1734.52	1741.93	1895.94	2054.57	2098.05
69	1350.27	1346.55	1468.61	1480.85	1426.94	1570.16	1633.49	1764.83	1908.57	1983.44
70	1191.61	1183.69	1271.71	1306.45	1237.21	1387.04	1504.68	1624.59	1745.82	1867.70
71	1024.06	1011.98	1044.36	1120.81	1047.63	1203.92	1350.60	1450.98	1571.64	1750.86
72	860.61	842.01	815.25	927.89	881.83	1020.60	1195.79	1277.37	1363.95	1632.20
73	704.82	684.54	614.25	742.73	752.41	826.13	999.12	1102.64	1156.25	1470.99
74	589.63	557.56	470.49	617.80	636.99	657.88	764.92	885.99	948.50	1309.78
75	475.88	431.65	328.74	495.01	531.43	524.73	533.60	668.14	708.39	1147.64
76	362.13	305.73	237.67	372.22	425.87	418.19	356.82	499.14	533.96	913.74
77	292.88	232.47	187.71	286.88	320.08	332.33	254.89	375.33	425.41	663.90
78	221.72	179.48	153.96	216.64	242.28	257.07	190.56	276.36	342.56	456.24
79	149.67	137.12	124.96	163.57	164.49	197.89	155.25	221.08	244.19	330.05
80	104.31	102.03	100.39	125.12	87.02	166.34	120.00	165.80	175.53	245.89
81	81.17	82.63	82.78	96.98	66.97	134.79	100.65	111.47	107.67	191.76
82	65.14	66.53	66.85	73.98	52.81	103.25	85.05	89.83	79.37	137.62
83	53.56	52.92	53.24	57.97	43.28	84.44	71.45	72.43	61.33	83.77
84	42.04	39.34	39.66	42.06	32.36	64.29	55.77	54.76	45.97	61.14
85	30.53	25.77	26.09	26.16	23.39	45.37	38.05	36.55	30.60	41.13
86	19.68	15.62	15.76	16.92	15.96	30.64	20.34	18.34	15.24	21.12
87	9.52	7.99	7.97	9.11	8.53	15.91	2.98	0.46	0.25	1.56
88	6.63	5.65	5.66	6.45	1.31	1.65	0.50	0.32	0.26	0.43
89	3.84	3.38	3.43	3.86	0.44	0.41	0.37	0.32	0.28	0.29
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-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	4084.95	4084.95	4084.95	4084.95	4084.95	4084.95	4084.95
1	4071.24	4075.01	4081.54	4088.78	4094.96	4100.07	4102.84
2	4062.09	4064.10	4078.03	4092.51	4105.27	4115.43	4121.10
3	4045.83	4052.96	4074.18	4096.14	4116.12	4131.61	4138.98
4	4028.99	4041.48	4070.13	4099.88	4126.68	4147.24	4157.45
5	4013.02	4030.71	4066.43	4104.08	4138.18	4163.08	4175.36
6	3996.67	4019.37	4062.91	4108.05	4148.40	4179.48	4194.46
7	3980.83	4007.39	4058.68	4110.91	4158.92	4195.07	4213.50
8	3964.71	3995.67	4053.88	4114.31	4169.35	4211.25	4231.81
9	3949.35	3984.80	4049.21	4118.55	4179.99	4226.59	4249.49
10	3934.59	3973.52	4044.56	4122.56	4190.64	4242.16	4266.81
11	3919.51	3962.83	4040.03	4126.01	4202.07	4257.49	4282.96
12	3905.78	3952.20	4036.36	4129.03	4212.47	4272.17	4298.51
13	3892.26	3942.91	4031.77	4130.96	4220.97	4285.75	4312.76
14	3877.95	3933.70	4028.30	4131.89	4228.63	4298.01	4325.26
15	3864.87	3924.99	4024.83	4131.68	4235.49	4308.64	4336.61
16	3850.51	3916.08	4021.37	4130.82	4240.45	4317.27	4346.72
17	3836.46	3907.61	4017.76	4129.33	4243.48	4325.20	4355.49
18	3821.56	3898.87	4014.08	4126.76	4245.02	4331.30	4363.11
19	3807.33	3890.41	4009.51	4124.34	4246.35	4335.97	4368.41
20	3792.69	3881.21	4004.32	4121.96	4246.14	4339.65	4371.02
21	3778.43	3871.23	3998.07	4119.37	4244.64	4341.60	4371.89
22	3764.24	3861.00	3991.08	4115.89	4241.17	4342.23	4369.80
23	3749.82	3850.69	3983.29	4110.66	4235.72	4340.37	4365.32
24	3735.10	3839.34	3976.22	4104.28	4229.55	4335.62	4358.34
25	3721.06	3827.90	3968.14	4096.21	4220.83	4327.52	4354.67
26	3706.32	3816.16	3958.87	4086.89	4210.45	4317.13	4335.05
27	3689.85	3805.23	3948.67	4076.87	4199.40	4305.05	4318.54
28	3672.52	3793.27	3938.08	4066.79	4187.09	4290.42	4303.15
29	3655.38	3780.50	3925.70	4055.71	4173.84	4275.02	4290.89
30	3638.29	3767.54	3912.88	4043.08	4159.30	4258.68	4280.19
31	3621.73	3752.90	3899.69	4028.82	4143.40	4242.52	4255.08
32	3605.59	3738.73	3885.65	4011.60	4126.84	4224.31	4238.30
33	3589.50	3723.33	3871.09	3993.52	4110.31	4205.40	4221.12
34	3573.25	3708.29	3855.11	3974.38	4093.24	4183.46	4202.35
35	3552.10	3692.21	3838.39	3956.29	4074.41	4160.00	4181.79
36	3537.52	3675.29	3820.30	3937.12	4055.06	4135.21	4159.60

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-14000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

37	3523.64	3657.84	3801.03	3918.66	4035.69	4109.84	4136.13
38	3506.69	3639.90	3780.40	3899.11	4015.27	4082.96	4110.57
39	3483.23	3619.20	3758.85	3878.42	3993.44	4054.72	4083.12
40	3472.75	3597.33	3737.04	3857.17	3970.40	4026.28	4052.92
41	3455.06	3575.33	3714.00	3833.81	3946.05	3996.18	4020.96
42	3436.06	3551.57	3690.21	3808.94	3920.31	3964.68	3986.59
43	3417.55	3527.98	3665.97	3782.77	3892.56	3932.48	3951.48
44	3397.47	3502.95	3641.73	3755.33	3863.60	3898.59	3913.31
45	3376.34	3478.11	3616.25	3725.25	3834.56	3865.26	3876.11
46	3354.77	3452.72	3590.36	3694.31	3803.41	3829.67	3841.77
47	3333.38	3426.89	3562.64	3662.83	3770.85	3792.20	3795.53
48	3311.46	3401.47	3533.55	3631.03	3734.99	3752.74	3754.00
49	3288.06	3373.13	3501.44	3597.33	3694.29	3711.33	3710.09
50	3261.85	3343.63	3468.80	3562.68	3653.01	3669.91	3667.07
51	3234.53	3311.71	3433.34	3524.51	3608.93	3626.14	3618.72
52	3205.31	3277.70	3397.46	3481.88	3562.39	3579.94	3559.49
53	3175.72	3242.54	3357.84	3436.86	3513.50	3531.89	3490.07
54	3145.49	3207.13	3312.59	3389.54	3460.43	3474.11	3407.88
55	3115.12	3171.99	3263.21	3339.19	3401.38	3405.41	3317.19
56	3083.22	3128.29	3211.64	3281.07	3339.36	3326.21	3218.78
57	3048.05	3080.53	3157.33	3214.83	3276.28	3237.48	3118.08
58	3010.06	3030.83	3102.11	3142.10	3207.00	3138.20	3014.35
59	2968.10	2979.67	3044.17	3068.07	3135.10	3034.30	2909.54
60	2921.26	2927.09	2986.83	2991.36	3057.37	2925.99	2806.06
61	2864.84	2870.21	2925.49	2908.84	2970.11	2815.75	2694.81
62	2797.30	2810.39	2862.99	2822.47	2871.41	2708.04	2573.89
63	2712.75	2749.58	2802.09	2734.59	2763.44	2594.93	2428.59
64	2605.93	2684.32	2747.45	2642.75	2645.58	2471.53	2252.98
65	2483.10	2615.69	2689.40	2549.72	2515.86	2327.50	2065.29
66	2352.38	2543.81	2623.39	2459.16	2381.53	2159.24	1876.85
67	2219.07	2466.56	2552.38	2364.78	2246.32	1974.48	1688.86
68	2084.02	2376.83	2469.56	2263.35	2110.99	1783.58	1514.30
69	1955.75	2277.92	2373.01	2155.36	1973.43	1602.97	1350.27
70	1847.92	2169.46	2252.54	2039.44	1830.48	1424.11	1191.61
71	1763.85	2037.68	2109.89	1907.58	1669.72	1253.97	1024.06
72	1698.96	1894.82	1950.87	1765.85	1481.96	1087.02	860.61
73	1631.28	1739.12	1780.61	1612.20	1271.42	920.31	704.82
74	1526.90	1587.20	1580.50	1446.69	1037.31	760.14	589.63
75	1321.88	1384.84	1333.49	1249.62	801.03	612.20	475.88
76	1116.86	1182.47	1092.89	1001.33	588.25	488.88	362.13
77	911.33	979.55	891.37	737.29	427.06	366.19	292.88
78	641.48	707.86	742.17	595.80	266.04	278.17	221.72
79	402.81	538.19	616.42	457.83	199.54	206.08	149.67
80	254.76	416.35	463.38	319.86	161.06	146.14	104.31
81	200.68	298.96	309.88	238.98	129.76	101.49	81.17
82	146.60	231.06	142.98	170.20	101.77	80.66	65.14
83	92.72	163.16	87.32	118.49	78.87	63.09	53.56
84	69.37	96.08	67.95	81.27	61.65	49.97	42.04
85	53.16	74.41	54.80	63.17	49.09	36.93	30.53
86	40.13	58.93	41.70	45.15	36.54	23.90	19.68
87	27.16	43.96	28.60	27.13	23.27	13.91	9.52
88	14.18	29.68	19.71	16.92	12.32	6.47	6.63
89	1.30	15.39	11.69	8.75	8.54	3.74	3.84
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-14000LM4K.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-14000LM4K.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-14000LM4K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1541.34	N.A.	10.60
0-30	3383.27	N.A.	23.40
0-40	5777.17	N.A.	39.90
0-60	11320.06	N.A.	78.20
0-80	14417.56	N.A.	99.60
0-90	14480.46	N.A.	100.00
10-90	14090.85	N.A.	97.30
20-40	4235.83	N.A.	29.30
20-50	6989.88	N.A.	48.30
40-70	7772.92	N.A.	53.70
60-80	3097.49	N.A.	21.40
70-80	867.46	N.A.	6.00
80-90	62.90	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	14480.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	389.61
10-20	1151.73
20-30	1841.93
30-40	2393.9
40-50	2754.04
50-60	2788.85
60-70	2230.03
70-80	867.46
80-90	62.90
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-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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	90	83	78	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	61	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	30	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

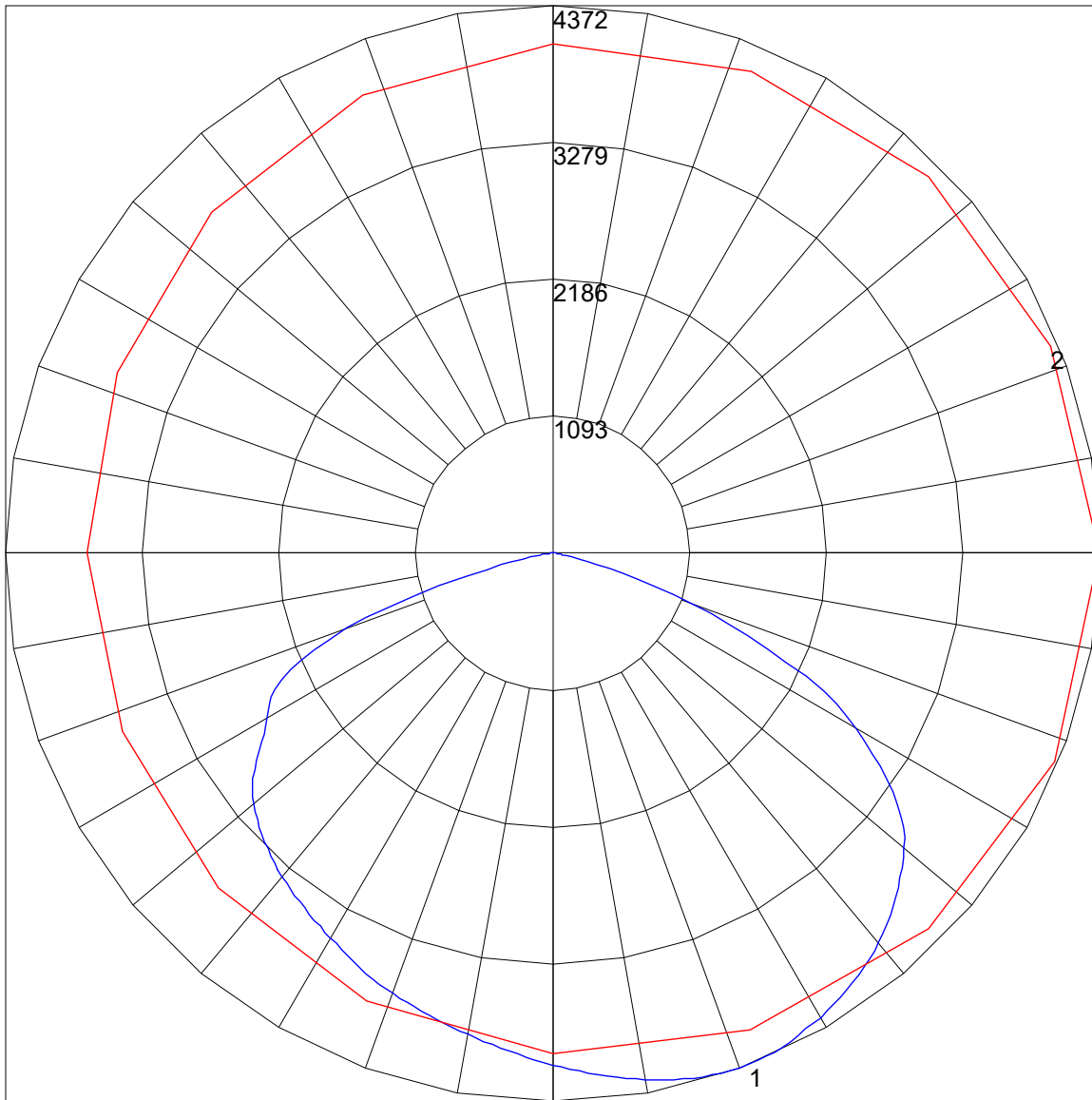
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT5HV-14000LM4K.IES**

**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	30.0	31.7	30.4	32.0	32.3	29.4	31.1	29.8	31.4	31.8
	3H	31.2	32.7	31.6	33.1	33.4	30.9	32.5	31.3	32.8	33.1
	4H	31.3	32.8	31.7	33.1	33.5	31.1	32.5	31.5	32.9	33.3
	6H	31.4	32.7	31.8	33.0	33.4	31.1	32.4	31.5	32.8	33.2
	8H	31.3	32.6	31.7	33.0	33.4	31.1	32.3	31.5	32.7	33.1
	12H	31.3	32.5	31.7	32.9	33.3	31.0	32.3	31.5	32.7	33.1
4H	2H	30.7	32.1	31.1	32.5	32.8	30.1	31.5	30.5	31.8	32.2
	3H	32.0	33.2	32.4	33.6	34.0	31.7	32.9	32.1	33.3	33.7
	4H	32.2	33.3	32.6	33.7	34.1	31.9	32.9	32.3	33.4	33.8
	6H	32.2	33.1	32.6	33.6	34.0	31.9	32.8	32.3	33.3	33.7
	8H	32.2	33.1	32.6	33.5	34.0	31.9	32.7	32.3	33.2	33.6
	12H	32.2	32.9	32.6	33.4	33.9	31.8	32.6	32.3	33.1	33.6
8H	4H	32.3	33.2	32.8	33.6	34.1	31.9	32.8	32.4	33.2	33.7
	6H	32.3	33.0	32.8	33.5	34.0	31.9	32.7	32.4	33.1	33.6
	8H	32.3	32.9	32.8	33.4	33.9	31.9	32.6	32.4	33.1	33.6
	12H	32.3	32.8	32.8	33.3	33.9	31.9	32.5	32.4	33.0	33.5
12H	4H	32.3	33.1	32.8	33.6	34.0	31.9	32.7	32.4	33.2	33.6
	6H	32.3	32.9	32.8	33.4	33.9	31.9	32.6	32.4	33.0	33.6
	8H	32.3	32.8	32.8	33.3	33.9	31.9	32.5	32.4	33.0	33.5

Maximum UGR = 34.1

POLAR GRAPH



Maximum Candela = 4371.89 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.)