

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM3K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-49930E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-12-01  
[ISSUEDATE] 2022-12-01 23:03:05  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL25HTT3-20000LM3K  
[LAMP] N/A

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20273
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	150.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
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	118798	161478	193901
55	91697	172539	240873
65	43958	216801	339205
75	20946	84567	393149
85	16136	14077	139764

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM3K.IES**

**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>	<u><b>112.5</b></u>	<u><b>135.0</b></u>	<u><b>157.5</b></u>	<u><b>180.0</b></u>	<u><b>202.5</b></u>
<b>0</b>	5888.94	5888.94	5888.94	5888.94	5888.94	5888.94	5888.94	5888.94	5888.94	5888.94
<b>1</b>	5907.82	5905.51	5903.10	5899.62	5891.05	5883.42	5875.79	5869.90	5867.34	5867.72
<b>2</b>	5922.40	5918.50	5912.42	5907.13	5890.85	5876.65	5863.27	5846.27	5842.39	5844.10
<b>3</b>	5929.66	5929.11	5922.79	5912.53	5891.52	5868.55	5843.37	5820.79	5810.70	5814.44
<b>4</b>	5934.78	5935.75	5927.90	5919.30	5893.00	5860.89	5823.23	5790.20	5775.70	5782.52
<b>5</b>	5939.35	5939.92	5937.15	5926.24	5893.22	5852.26	5801.30	5759.00	5741.02	5749.27
<b>6</b>	5941.82	5943.67	5941.28	5927.80	5893.67	5843.24	5780.17	5723.64	5701.95	5712.28
<b>7</b>	5942.25	5947.05	5944.16	5932.10	5894.74	5832.56	5755.56	5685.37	5655.53	5672.29
<b>8</b>	5942.48	5946.27	5948.09	5937.34	5895.80	5822.76	5729.87	5647.50	5612.86	5633.76
<b>9</b>	5938.46	5946.69	5947.68	5940.74	5895.54	5811.95	5702.05	5607.40	5562.68	5591.37
<b>10</b>	5929.74	5941.84	5948.72	5942.09	5894.24	5800.72	5673.51	5565.72	5515.80	5547.48
<b>11</b>	5919.16	5936.65	5948.75	5945.28	5892.35	5788.97	5642.86	5517.76	5462.79	5502.73
<b>12</b>	5901.43	5925.39	5945.82	5945.58	5893.22	5775.06	5612.34	5472.98	5408.95	5454.76
<b>13</b>	5881.79	5913.14	5944.45	5947.90	5893.44	5761.50	5582.52	5423.51	5352.29	5406.61
<b>14</b>	5857.28	5894.26	5939.29	5950.09	5894.07	5747.69	5549.20	5373.87	5295.64	5356.33
<b>15</b>	5827.32	5873.32	5932.08	5952.67	5893.21	5737.63	5515.39	5321.11	5233.66	5305.20
<b>16</b>	5791.32	5847.15	5920.43	5955.03	5892.97	5724.97	5481.07	5268.61	5169.75	5251.25
<b>17</b>	5753.12	5818.85	5911.19	5955.53	5891.70	5712.67	5447.33	5214.51	5105.21	5196.29
<b>18</b>	5712.35	5785.86	5898.67	5954.24	5890.99	5700.42	5412.44	5158.00	5040.18	5140.85
<b>19</b>	5664.92	5751.19	5882.31	5953.18	5885.63	5685.14	5378.02	5097.99	4974.32	5086.08
<b>20</b>	5613.80	5712.37	5862.23	5951.04	5884.56	5673.51	5343.86	5040.26	4907.01	5030.27
<b>21</b>	5562.88	5671.74	5842.43	5945.89	5881.91	5662.07	5310.27	4978.01	4837.89	4973.44
<b>22</b>	5505.73	5626.23	5818.89	5941.77	5878.52	5648.71	5275.12	4916.23	4768.35	4914.18
<b>23</b>	5445.37	5576.30	5791.93	5936.55	5875.89	5636.51	5240.86	4854.20	4698.51	4852.16
<b>24</b>	5382.96	5525.35	5764.83	5926.79	5873.93	5623.99	5205.34	4791.66	4626.97	4790.20
<b>25</b>	5315.17	5466.13	5736.63	5920.97	5868.35	5609.61	5171.19	4728.51	4552.35	4727.70
<b>26</b>	5242.97	5407.20	5705.34	5912.33	5865.89	5595.89	5136.51	4661.81	4481.07	4660.48
<b>27</b>	5170.07	5343.48	5674.19	5901.47	5862.10	5585.74	5100.87	4599.12	4409.04	4595.50
<b>28</b>	5093.67	5277.15	5639.45	5890.47	5858.76	5572.82	5069.45	4531.63	4333.99	4527.12
<b>29</b>	5013.65	5208.54	5603.21	5882.75	5852.82	5560.72	5035.19	4463.96	4257.97	4459.86
<b>30</b>	4929.92	5138.60	5563.68	5873.39	5848.84	5545.42	5000.03	4396.15	4178.37	4392.47
<b>31</b>	4846.01	5065.29	5526.24	5859.12	5841.90	5529.95	4968.03	4326.01	4101.33	4321.46
<b>32</b>	4758.76	4988.58	5484.85	5844.65	5836.60	5516.19	4933.53	4257.00	4023.19	4251.41
<b>33</b>	4670.48	4912.47	5443.54	5831.80	5828.20	5500.02	4898.36	4181.64	3942.56	4177.52
<b>34</b>	4578.28	4832.90	5399.60	5816.61	5819.58	5482.74	4862.57	4106.50	3858.70	4101.93
<b>35</b>	4487.09	4753.54	5351.18	5800.77	5812.13	5466.05	4827.37	4027.56	3771.28	4022.31
<b>36</b>	4395.56	4675.03	5304.22	5783.10	5805.27	5448.08	4790.99	3947.38	3676.87	3939.32
<b>37</b>	4304.43	4593.32	5253.30	5763.37	5797.93	5428.63	4753.25	3868.39	3579.76	3857.26
<b>38</b>	4210.54	4512.22	5202.90	5743.14	5794.21	5409.24	4715.07	3784.57	3481.14	3771.08
<b>39</b>	4114.48	4424.05	5147.78	5722.64	5790.88	5388.76	4677.64	3697.30	3383.26	3684.49
<b>40</b>	4019.74	4337.03	5091.62	5702.21	5791.36	5370.70	4637.43	3606.17	3278.53	3595.64
<b>41</b>	3926.19	4247.96	5035.66	5682.71	5793.22	5351.44	4598.48	3509.31	3170.82	3504.62
<b>42</b>	3829.04	4159.37	4976.73	5661.08	5788.25	5330.88	4556.74	3406.31	3057.71	3405.56
<b>43</b>	3728.84	4070.04	4918.38	5640.15	5776.57	5311.97	4517.16	3297.09	2947.95	3301.08
<b>44</b>	3629.26	3979.75	4858.96	5618.20	5766.21	5296.60	4475.48	3183.43	2838.31	3191.96
<b>45</b>	3529.62	3893.25	4797.68	5601.69	5761.00	5283.51	4431.09	3062.33	2730.90	3075.56
<b>46</b>	3428.25	3806.07	4732.08	5585.84	5758.47	5261.72	4387.99	2946.48	2630.57	2951.74
<b>47</b>	3328.21	3717.40	4666.36	5558.58	5757.81	5232.73	4342.13	2827.71	2529.93	2827.40
<b>48</b>	3225.08	3626.20	4597.15	5522.18	5756.60	5204.09	4295.15	2701.46	2429.16	2699.97
<b>49</b>	3118.76	3524.03	4531.85	5489.30	5758.39	5177.33	4249.20	2575.79	2318.31	2571.42
<b>50</b>	3006.63	3421.11	4464.58	5455.09	5764.32	5152.09	4199.34	2451.48	2204.09	2446.67
<b>51</b>	2878.04	3308.97	4399.00	5421.11	5767.85	5128.10	4149.50	2327.80	2088.05	2326.62
<b>52</b>	2728.28	3185.82	4333.28	5384.04	5774.26	5108.38	4096.09	2201.59	1974.17	2205.28
<b>53</b>	2556.89	3044.13	4270.71	5343.50	5782.90	5089.05	4038.39	2077.23	1872.41	2088.59

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM3K.IES**

**CANDELA TABULATION - (Cont.)**

54	2386.40	2871.46	4213.58	5304.00	5792.37	5075.36	3972.68	1955.60	1784.30	1975.74
55	2209.95	2680.61	4158.27	5260.67	5805.15	5059.30	3898.49	1844.42	1700.70	1867.36
56	2052.15	2468.30	4108.55	5212.92	5818.28	5044.14	3815.18	1744.27	1618.08	1767.63
57	1908.96	2247.93	4068.51	5165.69	5837.38	5031.64	3717.86	1652.95	1529.37	1670.18
58	1763.53	2029.97	4041.60	5116.09	5855.76	5023.90	3601.17	1562.71	1428.34	1570.00
59	1613.47	1825.74	4027.21	5068.12	5880.72	5021.69	3464.32	1464.42	1331.17	1463.05
60	1450.65	1631.27	4018.73	5022.01	5907.41	5027.25	3306.05	1356.96	1233.96	1355.53
61	1288.12	1442.15	4010.92	4979.89	5933.45	5042.29	3120.86	1249.51	1134.00	1248.00
62	1138.44	1270.92	3999.81	4940.71	5956.43	5061.74	2912.18	1142.09	1035.57	1140.56
63	1002.11	1118.57	3982.36	4905.55	5982.11	5087.28	2694.46	1037.44	941.50	1038.56
64	882.04	983.03	3944.71	4868.77	6007.00	5120.20	2466.48	939.94	855.54	939.05
65	780.59	866.22	3849.85	4845.39	6023.44	5165.70	2226.69	847.67	775.72	846.16
66	697.56	764.85	3647.02	4837.06	6033.30	5218.10	1964.89	762.77	701.11	762.54
67	624.30	673.82	3291.04	4837.58	6027.59	5272.30	1693.10	684.17	628.61	689.27
68	551.20	603.26	2837.06	4845.67	6003.89	5316.78	1486.05	614.26	558.00	624.64
69	478.10	532.98	2377.88	4850.25	5949.59	5341.43	1279.00	543.17	497.81	558.61
70	417.57	462.71	2010.71	4858.27	5858.36	5347.39	1072.17	473.81	449.14	491.71
71	371.89	408.71	1728.17	4867.37	5703.77	5324.47	927.36	418.41	404.18	435.25
72	330.17	364.37	1497.55	4861.13	5472.45	5272.31	791.38	373.51	363.14	391.01
73	288.77	326.00	1293.22	4849.84	5149.15	5177.51	659.72	328.94	327.48	349.38
74	256.16	287.72	1104.38	4843.33	4745.35	5024.49	530.79	288.72	299.08	308.40
75	227.79	252.96	919.67	4878.79	4275.50	4790.13	394.19	256.47	274.51	272.64
76	205.22	223.61	730.69	4916.55	3765.24	4566.50	277.87	228.77	250.69	240.82
77	186.89	197.35	568.66	4856.34	3225.93	4265.36	215.13	203.52	224.23	213.14
78	169.60	173.91	407.34	4602.65	2658.20	3755.36	183.08	180.18	194.45	187.73
79	150.54	152.14	246.01	4036.82	2092.05	3071.66	151.03	157.74	171.88	164.91
80	135.54	130.63	172.00	3241.37	1710.84	2348.07	119.22	135.30	148.04	142.09
81	119.75	111.34	129.78	2449.71	1329.63	1853.87	99.17	112.90	124.22	119.31
82	104.11	93.44	104.03	1848.68	952.94	1359.68	80.96	95.40	102.55	100.86
83	89.15	77.28	83.90	1402.86	771.92	870.86	64.14	78.78	79.93	83.49
84	74.21	62.26	66.15	1056.06	646.91	610.84	48.94	59.31	53.14	60.62
85	59.09	49.19	51.55	764.92	511.83	411.38	34.14	39.84	26.34	40.66
86	43.97	36.17	37.03	572.15	354.79	271.05	23.23	20.37	0.33	20.70
87	28.85	23.68	22.51	381.69	188.67	168.48	12.31	1.09	0.20	0.88
88	15.41	12.53	11.69	191.22	25.01	67.02	1.58	0.50	0.20	0.32
89	10.34	8.46	8.25	29.35	13.08	33.81	0.70	0.48	0.21	0.24
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM3K.IES

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 : MPLSEL25HTT3-20000LM3K.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	5888.94	5888.94	5888.94	5888.94	5888.94	5888.94	5888.94
1	5873.07	5880.66	5887.17	5894.88	5900.01	5904.02	5907.82
2	5855.75	5870.42	5885.91	5899.96	5909.75	5915.03	5922.40
3	5834.39	5859.46	5884.59	5903.74	5915.81	5923.71	5929.66
4	5809.87	5847.49	5882.25	5908.20	5923.90	5931.37	5934.78
5	5786.05	5836.76	5881.35	5910.43	5929.60	5934.92	5939.35
6	5760.55	5827.68	5880.92	5914.65	5934.49	5939.58	5941.82
7	5735.77	5815.06	5879.64	5917.96	5935.49	5937.60	5942.25
8	5706.60	5803.79	5879.61	5918.45	5937.01	5938.64	5942.48
9	5680.52	5795.56	5879.82	5920.15	5935.96	5937.80	5938.46
10	5652.82	5785.47	5882.14	5922.49	5934.47	5932.94	5929.74
11	5624.26	5775.97	5882.62	5923.42	5934.21	5924.40	5919.16
12	5597.57	5761.21	5879.27	5924.29	5929.47	5914.24	5901.43
13	5569.18	5748.74	5878.54	5921.97	5923.56	5898.18	5881.79
14	5536.30	5736.58	5875.54	5920.42	5917.86	5877.53	5857.28
15	5507.34	5724.39	5874.67	5917.87	5907.22	5854.67	5827.32
16	5474.39	5712.57	5873.14	5914.68	5897.12	5827.61	5791.32
17	5439.05	5701.77	5871.21	5908.99	5881.08	5799.20	5753.12
18	5406.50	5686.74	5867.77	5905.30	5865.76	5768.09	5712.35
19	5368.75	5674.22	5865.42	5901.69	5845.69	5730.58	5664.92
20	5333.53	5661.01	5858.17	5898.84	5824.10	5692.97	5613.80
21	5299.75	5646.12	5852.50	5892.84	5800.82	5650.58	5562.88
22	5265.33	5632.52	5847.56	5884.49	5775.34	5608.43	5505.73
23	5228.15	5614.50	5840.49	5873.92	5747.20	5558.86	5445.37
24	5192.41	5601.26	5833.17	5864.86	5718.67	5507.37	5382.96
25	5156.93	5583.02	5827.19	5855.21	5689.09	5452.28	5315.17
26	5121.17	5563.66	5821.13	5843.95	5657.11	5392.43	5242.97
27	5084.22	5544.20	5815.06	5833.54	5623.42	5328.57	5170.07
28	5045.66	5527.02	5805.64	5821.54	5588.17	5261.22	5093.67
29	5003.64	5506.64	5799.82	5806.13	5549.78	5193.67	5013.65
30	4962.84	5486.50	5793.52	5791.94	5512.37	5122.90	4929.92
31	4920.47	5465.71	5786.63	5780.95	5473.55	5050.83	4846.01
32	4876.14	5446.70	5780.52	5764.68	5429.48	4976.97	4758.76
33	4831.83	5427.25	5771.92	5751.65	5385.64	4899.60	4670.48
34	4788.96	5410.17	5764.03	5736.99	5339.22	4821.33	4578.28
35	4744.47	5388.22	5756.85	5722.63	5292.29	4743.06	4487.09
36	4700.62	5367.89	5749.28	5704.48	5242.92	4663.30	4395.56

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM3K.IES**

**CANDELA TABULATION - (Cont.)**

37	4657.87	5348.18	5741.70	5685.63	5192.62	4584.16	4304.43
38	4614.79	5324.12	5732.66	5670.04	5138.44	4502.23	4210.54
39	4569.51	5305.85	5724.47	5649.86	5082.44	4420.72	4114.48
40	4524.40	5282.39	5718.88	5628.50	5027.53	4338.41	4019.74
41	4481.97	5263.72	5713.46	5609.37	4973.02	4254.97	3926.19
42	4435.14	5244.35	5710.00	5587.98	4911.57	4171.37	3829.04
43	4389.06	5225.35	5707.33	5568.47	4852.60	4086.04	3728.84
44	4343.31	5205.38	5704.96	5545.00	4791.69	3998.34	3629.26
45	4298.40	5184.51	5701.75	5524.87	4730.81	3910.61	3529.62
46	4248.35	5166.66	5698.71	5502.31	4667.06	3825.15	3428.25
47	4194.14	5147.36	5699.53	5477.99	4602.26	3733.31	3328.21
48	4141.16	5128.20	5699.32	5451.35	4538.02	3640.14	3225.08
49	4086.45	5106.97	5701.61	5421.23	4474.03	3541.72	3118.76
50	4030.49	5088.66	5703.19	5390.66	4412.93	3436.46	3006.63
51	3972.47	5070.78	5706.62	5360.18	4347.24	3321.77	2878.04
52	3908.68	5053.40	5713.08	5326.40	4286.45	3194.87	2728.28
53	3838.76	5035.92	5722.55	5293.54	4227.82	3052.53	2556.89
54	3765.04	5017.56	5732.09	5259.70	4170.93	2888.10	2386.40
55	3683.78	5000.59	5746.19	5221.17	4117.20	2703.24	2209.95
56	3592.70	4984.09	5762.15	5184.89	4067.50	2498.77	2052.15
57	3487.45	4969.10	5781.33	5146.91	4026.42	2286.41	1908.96
58	3366.96	4952.57	5806.46	5105.97	3991.02	2081.12	1763.53
59	3229.53	4938.50	5830.42	5064.80	3969.70	1891.49	1613.47
60	3071.30	4929.20	5863.94	5023.52	3959.27	1717.16	1450.65
61	2893.66	4922.33	5902.23	4983.51	3955.30	1542.42	1288.12
62	2698.65	4920.79	5943.76	4947.57	3951.02	1366.38	1138.44
63	2489.17	4929.72	5989.62	4914.95	3943.38	1201.97	1002.11
64	2265.29	4949.57	6042.35	4884.60	3925.88	1050.86	882.04
65	2018.95	4978.29	6096.21	4865.46	3888.58	918.67	780.59
66	1758.48	5027.22	6146.08	4854.71	3787.82	804.84	697.56
67	1521.80	5096.25	6192.90	4854.75	3575.94	704.11	624.30
68	1285.12	5172.80	6231.78	4866.41	3220.53	631.91	551.20
69	1050.99	5262.26	6257.91	4882.03	2755.98	560.11	478.10
70	898.87	5355.74	6262.39	4900.59	2271.34	488.31	417.57
71	783.86	5461.76	6233.44	4925.31	1865.62	433.36	371.89
72	686.47	5562.98	6145.55	4954.46	1562.51	384.55	330.17
73	596.79	5620.54	5988.44	4969.07	1326.68	344.53	288.77
74	497.98	5608.48	5730.58	4953.62	1123.55	307.01	256.16
75	389.50	5520.28	5376.89	4902.27	937.62	267.96	227.79
76	303.91	5336.87	4939.85	4868.99	756.43	236.62	205.22
77	239.60	5080.12	4442.83	4846.57	592.98	207.29	186.89
78	192.24	4752.08	3875.08	4780.96	430.00	180.96	169.60
79	164.26	4168.89	3264.52	4658.04	267.01	157.69	150.54
80	136.29	3380.83	2604.57	4333.91	185.52	136.56	135.54
81	108.39	2567.77	1950.14	3693.50	145.23	116.36	119.75
82	89.49	2036.69	1414.53	2955.54	118.89	98.13	104.11
83	72.36	1505.62	1008.24	2330.91	97.87	81.28	89.15
84	56.59	974.84	753.74	1820.78	79.01	66.10	74.21
85	42.25	673.73	606.22	1385.81	61.37	52.97	59.09
86	29.10	452.98	461.84	1005.93	45.96	39.91	43.97
87	15.96	313.62	317.46	697.19	30.61	26.84	28.85
88	2.96	174.27	146.76	523.96	18.07	15.54	15.41
89	0.86	36.88	74.14	350.84	7.84	5.09	10.34
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 : MPLSEL25HTT3-20000LM3K.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 : MPLSEL25HTT3-20000LM3K.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 : MPLSEL25HTT3-20000LM3K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2171.47	N.A.	10.70
0-30	4670.92	N.A.	23.00
0-40	7801.5	N.A.	38.50
0-60	14660.79	N.A.	72.30
0-80	19841.19	N.A.	97.90
0-90	20272.9	N.A.	100.00
10-90	19715.09	N.A.	97.20
20-40	5630.04	N.A.	27.80
20-50	9081.75	N.A.	44.80
40-70	9874.35	N.A.	48.70
60-80	5180.4	N.A.	25.60
70-80	2165.34	N.A.	10.70
80-90	431.71	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	20272.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	557.81
10-20	1613.65
20-30	2499.45
30-40	3130.59
40-50	3451.71
50-60	3407.57
60-70	3015.06
70-80	2165.34
80-90	431.71
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 : MPLSEL25HTT3-20000LM3K.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	71	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	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	50	37	29	23	49	36	28	23	35	28	23	34	28	23	33	27	23	21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL25HTT3-20000LM3K.IES**

**UGR TABLE - CORRECTED**

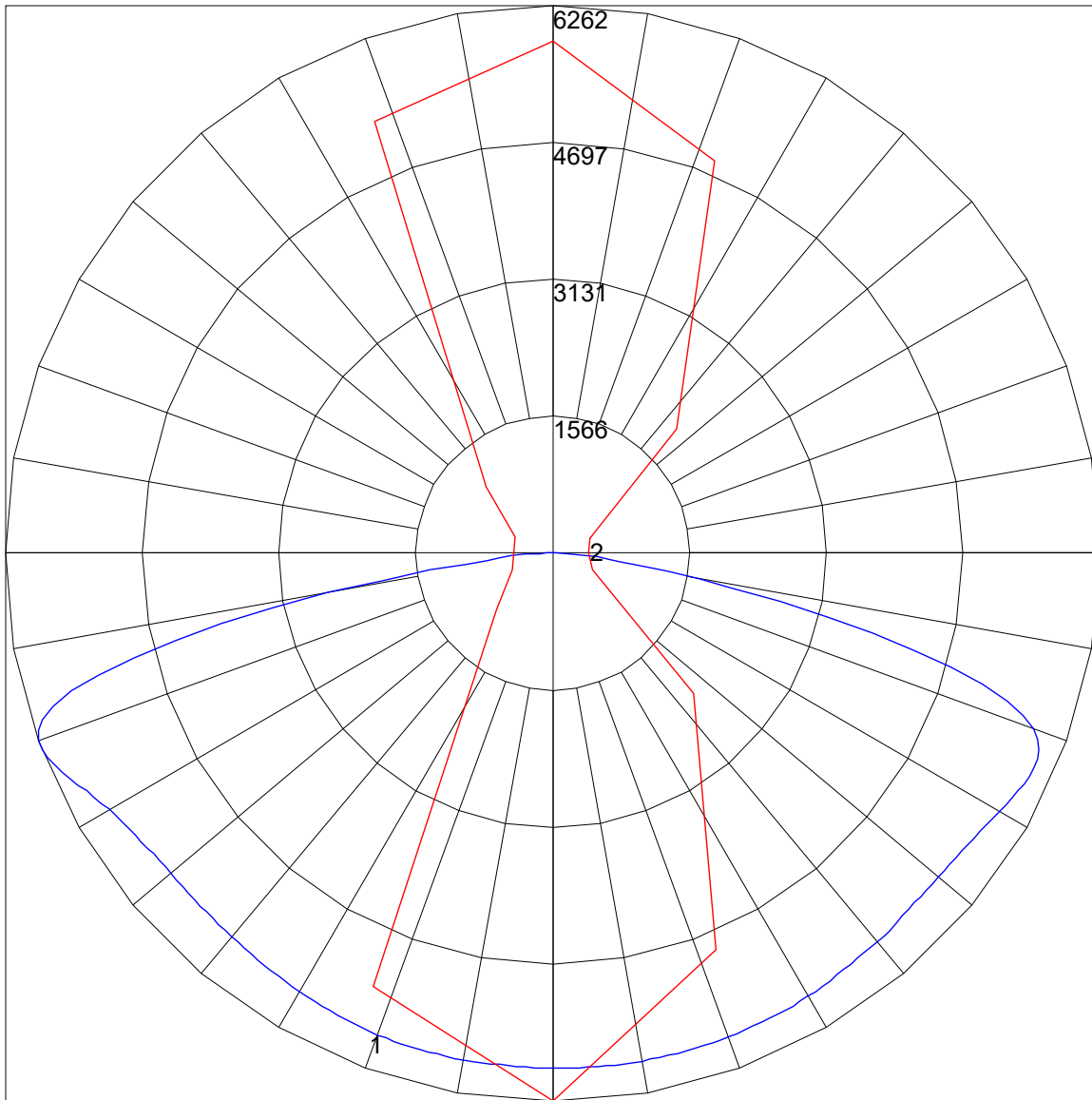
Reflectances

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	26.1	27.8	26.4	28.1	28.4	32.5	34.2	32.9	34.6	34.9
	3H	26.4	27.9	26.7	28.3	28.6	36.4	38.0	36.8	38.3	38.6
	4H	26.4	27.9	26.8	28.3	28.6	37.9	39.4	38.3	39.8	40.1
	6H	26.5	27.8	26.9	28.2	28.6	38.7	40.1	39.1	40.4	40.8
	8H	26.5	27.8	26.9	28.2	28.6	38.8	40.1	39.2	40.5	40.9
	12H	26.4	27.7	26.9	28.1	28.5	38.8	40.1	39.2	40.4	40.9
4H	2H	29.3	30.8	29.7	31.1	31.5	32.9	34.4	33.3	34.7	35.1
	3H	29.6	30.9	30.0	31.3	31.7	37.0	38.2	37.4	38.6	39.0
	4H	29.6	30.8	30.1	31.2	31.6	39.0	40.1	39.4	40.5	41.0
	6H	29.7	30.7	30.1	31.1	31.6	40.1	41.1	40.5	41.5	42.0
	8H	29.7	30.6	30.1	31.0	31.5	40.2	41.1	40.7	41.6	42.0
	12H	29.6	30.5	30.1	31.0	31.4	40.2	41.1	40.7	41.6	42.0
8H	4H	31.3	32.2	31.7	32.7	33.1	39.0	39.9	39.5	40.4	40.8
	6H	31.3	32.0	31.7	32.5	33.0	40.2	41.0	40.7	41.5	42.0
	8H	31.2	31.9	31.7	32.5	32.9	40.5	41.2	41.0	41.7	42.2
	12H	31.2	31.9	31.7	32.4	32.9	40.6	41.2	41.1	41.7	42.2
12H	4H	32.1	33.0	32.6	33.5	33.9	39.0	39.8	39.4	40.3	40.8
	6H	32.1	32.8	32.7	33.3	33.8	40.2	40.9	40.7	41.4	41.9
	8H	32.1	32.7	32.6	33.2	33.8	40.5	41.1	41.0	41.6	42.1

Maximum UGR = 42.2

POLAR GRAPH



Maximum Candela = 6262.39 Located At Horizontal Angle = 270, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)