



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 12212385.11  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 12-17-2021  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC.- CARTHAGE, MO  
 [LUMCAT] LPT-24-P70-835-SA12125-(P48)-POE PR  
 [LUMINAIRE] 2 x 4 Recessed LED Luminaire  
 [MORE] with pattern 12 0.125 thick lens  
 [LAMP] HLM 80 CRI 3500K CCT

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4813
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	30.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 ft
Luminous Width (90-270)	1.77 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2782	2635	2417
55	2101	1851	1801
65	1529	1185	1383
75	1353	1208	1472
85	1657	1618	1765

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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>
0.0	2180.828	2180.828	2180.828	2180.828	2180.828
0.5	2192.051	2186.144	2177.283	2172.558	2174.921
1.0	2191.460	2184.962	2176.102	2171.377	2173.149
1.5	2191.460	2184.372	2175.511	2170.195	2171.967
2.0	2190.279	2183.781	2175.511	2169.604	2170.786
2.5	2189.688	2182.600	2174.921	2169.014	2170.195
3.0	2187.325	2181.418	2173.149	2169.014	2170.195
3.5	2186.144	2179.646	2171.377	2168.423	2170.786
4.0	2184.372	2177.874	2169.604	2167.242	2169.604
4.5	2182.600	2176.102	2167.832	2165.470	2167.832
5.0	2180.828	2174.330	2166.060	2162.516	2164.879
5.5	2179.055	2173.149	2163.698	2158.381	2160.744
6.0	2177.283	2171.377	2160.153	2154.246	2156.019
6.5	2174.921	2169.014	2156.609	2151.293	2154.246
7.0	2171.967	2166.060	2153.656	2148.930	2152.474
7.5	2168.423	2163.698	2150.702	2147.158	2150.112
8.0	2164.879	2160.744	2147.749	2144.205	2147.158
8.5	2160.744	2156.609	2144.795	2141.251	2144.205
9.0	2156.609	2151.884	2141.251	2137.116	2140.661
9.5	2151.293	2147.158	2138.298	2133.572	2137.116
10.0	2147.749	2142.433	2134.754	2130.028	2132.982
10.5	2144.205	2138.298	2130.028	2126.484	2128.847
11.0	2139.479	2133.572	2124.712	2121.759	2123.531
11.5	2134.163	2128.847	2119.396	2116.442	2118.805
12.0	2129.438	2123.531	2114.670	2111.126	2113.489
12.5	2124.712	2118.214	2108.763	2106.401	2109.354
13.0	2119.396	2112.307	2104.038	2101.675	2104.038
13.5	2113.489	2105.810	2098.722	2095.768	2099.312
14.0	2106.401	2100.494	2093.405	2090.452	2093.996
14.5	2100.494	2093.996	2086.908	2085.136	2087.499
15.0	2093.996	2086.908	2080.410	2079.229	2081.001
15.5	2086.317	2079.820	2073.913	2072.731	2073.913
16.0	2078.047	2072.731	2067.415	2065.052	2067.415
16.5	2070.369	2066.234	2060.327	2057.964	2059.145
17.0	2063.280	2059.145	2053.238	2049.694	2050.876
17.5	2056.783	2052.057	2045.560	2042.015	2043.787
18.0	2049.694	2044.378	2037.290	2033.746	2036.108
18.5	2042.606	2036.699	2029.611	2026.067	2028.430
19.0	2034.336	2028.430	2021.932	2017.797	2020.751
19.5	2025.476	2019.569	2013.072	2009.527	2011.890
20.0	2016.616	2010.118	2004.211	2000.667	2001.848
20.5	2008.346	2001.848	1994.169	1990.625	1991.216
21.0	1999.486	1992.988	1984.718	1981.174	1981.765
21.5	1989.444	1983.537	1974.677	1971.133	1972.314
22.0	1979.993	1974.677	1964.635	1961.682	1962.272
22.5	1971.133	1965.816	1954.593	1951.640	1951.640
23.0	1961.682	1956.365	1943.961	1940.417	1939.826
23.5	1951.049	1945.733	1933.328	1929.784	1928.603
24.0	1940.417	1935.100	1922.105	1917.970	1917.380
24.5	1930.375	1924.468	1911.473	1906.157	1905.566
25.0	1920.333	1913.836	1900.250	1893.752	1893.752
25.5	1909.110	1902.613	1888.436	1881.938	1881.348
26.0	1897.296	1891.389	1876.622	1869.534	1868.943
26.5	1886.073	1879.576	1864.218	1857.129	1855.948

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES****CANDELA TABULATION - (Cont.)**

27.0	1873.669	1867.171	1851.813	1844.134	1842.953
27.5	1861.855	1855.357	1838.227	1829.958	1829.367
28.0	1849.450	1843.544	1825.232	1815.190	1815.190
28.5	1837.046	1830.548	1811.056	1800.423	1799.832
29.0	1823.460	1817.553	1797.470	1785.656	1784.475
29.5	1810.465	1803.967	1783.293	1770.298	1769.117
30.0	1796.288	1789.791	1768.526	1754.940	1753.168
30.5	1781.521	1775.614	1753.759	1738.401	1736.629
31.0	1767.345	1760.847	1739.582	1721.271	1720.089
31.5	1752.577	1745.489	1724.224	1704.141	1702.959
32.0	1738.401	1730.131	1708.276	1686.420	1685.239
32.5	1723.633	1713.592	1691.736	1667.518	1666.337
33.0	1708.276	1697.643	1674.606	1648.616	1645.662
33.5	1692.327	1680.513	1658.067	1629.714	1625.579
34.0	1676.378	1663.974	1640.937	1610.221	1606.086
34.5	1659.839	1646.844	1622.035	1590.138	1586.003
35.0	1642.118	1628.532	1603.133	1569.463	1565.329
35.5	1624.398	1610.812	1583.049	1547.608	1544.064
36.0	1606.677	1591.910	1562.375	1525.752	1522.208
36.5	1588.365	1573.008	1541.701	1503.306	1500.353
37.0	1569.463	1553.515	1519.845	1480.860	1478.497
37.5	1548.789	1533.431	1497.990	1457.232	1456.642
38.0	1529.296	1513.348	1475.544	1434.195	1434.195
38.5	1508.622	1492.674	1451.916	1411.158	1411.158
39.0	1487.357	1471.409	1428.288	1388.122	1387.531
39.5	1466.093	1449.553	1405.252	1365.085	1362.722
40.0	1444.828	1427.698	1382.215	1342.638	1337.322
40.5	1422.972	1404.661	1359.768	1319.601	1310.741
41.0	1399.935	1381.033	1336.732	1295.974	1283.569
41.5	1378.080	1357.406	1314.876	1271.756	1255.807
42.0	1355.634	1332.597	1291.839	1246.356	1227.454
42.5	1332.597	1308.378	1268.211	1220.956	1197.919
43.0	1309.560	1283.569	1245.175	1194.966	1169.566
43.5	1285.932	1258.760	1221.547	1168.385	1141.213
44.0	1262.895	1234.542	1197.329	1141.213	1112.269
44.5	1239.268	1209.733	1174.292	1113.451	1083.325
45.0	1215.049	1184.333	1150.664	1086.279	1055.563
45.5	1190.831	1160.115	1125.855	1059.107	1027.801
46.0	1166.613	1136.488	1101.637	1031.935	1002.401
46.5	1141.804	1112.269	1076.237	1005.354	977.592
47.0	1116.995	1088.642	1050.247	979.364	953.964
47.5	1092.186	1065.014	1023.666	954.555	930.337
48.0	1067.377	1041.977	997.085	929.746	907.300
48.5	1041.386	1018.350	971.094	904.937	885.444
49.0	1015.987	994.722	945.104	880.719	863.589
49.5	990.587	971.685	919.704	857.091	841.733
50.0	965.778	948.057	893.714	834.645	821.059
50.5	941.560	925.611	868.314	812.199	800.976
51.0	917.932	902.574	842.915	790.934	782.074
51.5	894.895	880.128	818.106	770.260	763.762
52.0	871.858	857.682	793.297	749.586	745.451
52.5	849.412	835.826	769.078	730.093	727.139
53.0	826.966	813.380	745.451	710.600	708.828
53.5	805.701	791.525	722.414	691.107	691.107
54.0	784.436	769.669	699.968	672.205	672.796
54.5	764.353	747.223	677.521	653.303	655.075

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES****CANDELA TABULATION - (Cont.)**

55.0	744.269	725.367	655.666	634.992	637.945
55.5	724.186	704.102	634.401	616.680	620.815
56.0	704.102	682.838	613.136	598.960	604.276
56.5	684.610	661.573	591.871	581.121	587.559
57.0	665.117	639.717	571.965	563.755	571.374
57.5	646.215	618.452	552.472	546.565	555.544
58.0	627.313	597.778	533.039	529.731	539.595
58.5	607.820	577.222	514.137	513.014	524.237
59.0	589.095	557.198	495.412	496.416	509.116
59.5	570.784	537.469	477.337	480.172	494.289
60.0	552.591	518.094	459.911	464.282	479.640
60.5	534.929	499.310	442.663	449.043	465.641
61.0	517.740	480.822	425.888	433.980	451.937
61.5	500.846	463.219	409.348	419.390	438.351
62.0	484.602	445.794	393.400	405.331	425.415
62.5	468.831	428.959	378.042	391.864	413.188
63.0	454.063	412.715	363.156	378.928	401.610
63.5	439.473	397.062	348.862	366.464	390.623
64.0	425.474	381.999	335.098	354.650	380.345
64.5	412.006	367.941	321.926	343.486	370.304
65.0	399.011	354.709	309.226	332.854	360.853
65.5	386.252	341.832	296.822	322.871	351.638
66.0	374.379	329.723	285.421	313.597	342.955
66.5	363.865	317.968	274.671	304.737	334.862
67.0	353.705	306.568	264.511	296.467	327.301
67.5	342.600	296.054	255.355	288.611	320.213
68.0	331.023	286.426	246.790	281.287	313.420
68.5	318.973	277.388	238.993	274.435	306.863
69.0	307.218	268.882	232.082	267.996	300.720
69.5	297.058	260.849	226.057	261.853	294.754
70.0	287.666	253.288	220.386	256.005	289.143
70.5	278.806	246.377	215.425	250.275	283.531
71.0	270.241	239.702	211.113	244.723	278.097
71.5	262.148	233.559	207.687	239.289	272.781
72.0	255.769	227.652	204.733	234.031	267.464
72.5	249.389	221.981	202.193	228.951	262.207
73.0	243.128	216.724	200.008	223.990	256.832
73.5	237.339	211.644	198.117	219.264	251.575
74.0	230.015	206.742	196.818	214.657	246.200
74.5	223.517	202.075	195.282	210.168	240.765
75.0	216.252	197.527	193.156	205.855	235.213
75.5	210.345	193.037	190.379	201.603	229.483
76.0	204.910	188.666	187.544	197.409	223.694
76.5	199.358	184.354	184.768	193.274	217.846
77.0	194.042	180.987	181.637	189.139	211.940
77.5	189.493	176.675	178.152	185.122	205.796
78.0	183.409	171.477	174.254	181.165	199.594
78.5	176.203	166.043	169.942	177.089	193.215
79.0	169.233	161.022	165.334	172.895	186.658
79.5	163.916	156.533	160.254	168.524	179.688
80.0	157.478	151.217	154.643	164.094	172.777
80.5	149.917	145.369	148.854	159.368	165.748
81.0	142.652	139.167	142.829	154.406	158.718
81.5	137.572	132.905	136.568	149.149	151.512
82.0	130.838	126.526	130.011	143.597	144.010
82.5	124.340	120.560	123.277	137.572	136.272

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PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES

## CANDELA TABULATION - (Cont.)

83.0	118.197	113.885	116.425	131.251	128.357
83.5	110.873	107.328	109.455	124.517	119.910
84.0	103.725	101.362	102.189	117.429	111.581
84.5	96.637	94.156	94.747	109.986	103.194
85.0	89.194	87.127	87.068	101.776	94.983
85.5	81.574	79.566	79.212	93.034	86.772
86.0	73.895	71.769	71.001	83.583	78.207
86.5	65.626	63.795	62.613	74.073	69.583
87.0	56.647	55.466	54.225	64.681	60.841
87.5	47.610	46.960	45.483	55.289	51.922
88.0	38.159	38.100	36.268	46.369	42.943
88.5	28.589	29.003	27.762	37.804	34.083
89.0	19.079	20.497	20.202	29.653	26.168
89.5	10.455	13.172	14.117	22.269	19.493
90.0	4.194	7.147	9.333	15.594	13.704
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	793.39	N.A.	16.50
0-30	1668.95	N.A.	34.70
0-40	2664.82	N.A.	55.40
0-60	4149.37	N.A.	86.20
0-80	4716.18	N.A.	98.00
0-90	4812.37	N.A.	100.00
10-90	4606.38	N.A.	95.70
20-40	1871.43	N.A.	38.90
20-50	2748.3	N.A.	57.10
40-70	1834.02	N.A.	38.10
60-80	566.82	N.A.	11.80
70-80	217.34	N.A.	4.50
80-90	96.18	N.A.	2.00
90-110	0.28	N.A.	0.00
90-120	0.28	N.A.	0.00
90-130	0.28	N.A.	0.00
90-150	0.28	N.A.	0.00
90-180	0.28	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4812.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	205.99
10-20	587.40
20-30	875.56
30-40	995.87
40-50	876.87
50-60	607.67
60-70	349.48
70-80	217.34
80-90	96.18
90-100	0.28
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 : LPT-24-P70-835-SA12125-(P48)-POE PR\_.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	110	105	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
10	57	44	36	31	55	44	36	31	43	36	31	42	35	31	41	35	31	29

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPT-24-P70-835-SA12125-(P48)-POE PR\_.IES

## UGR TABLE - CORRECTED

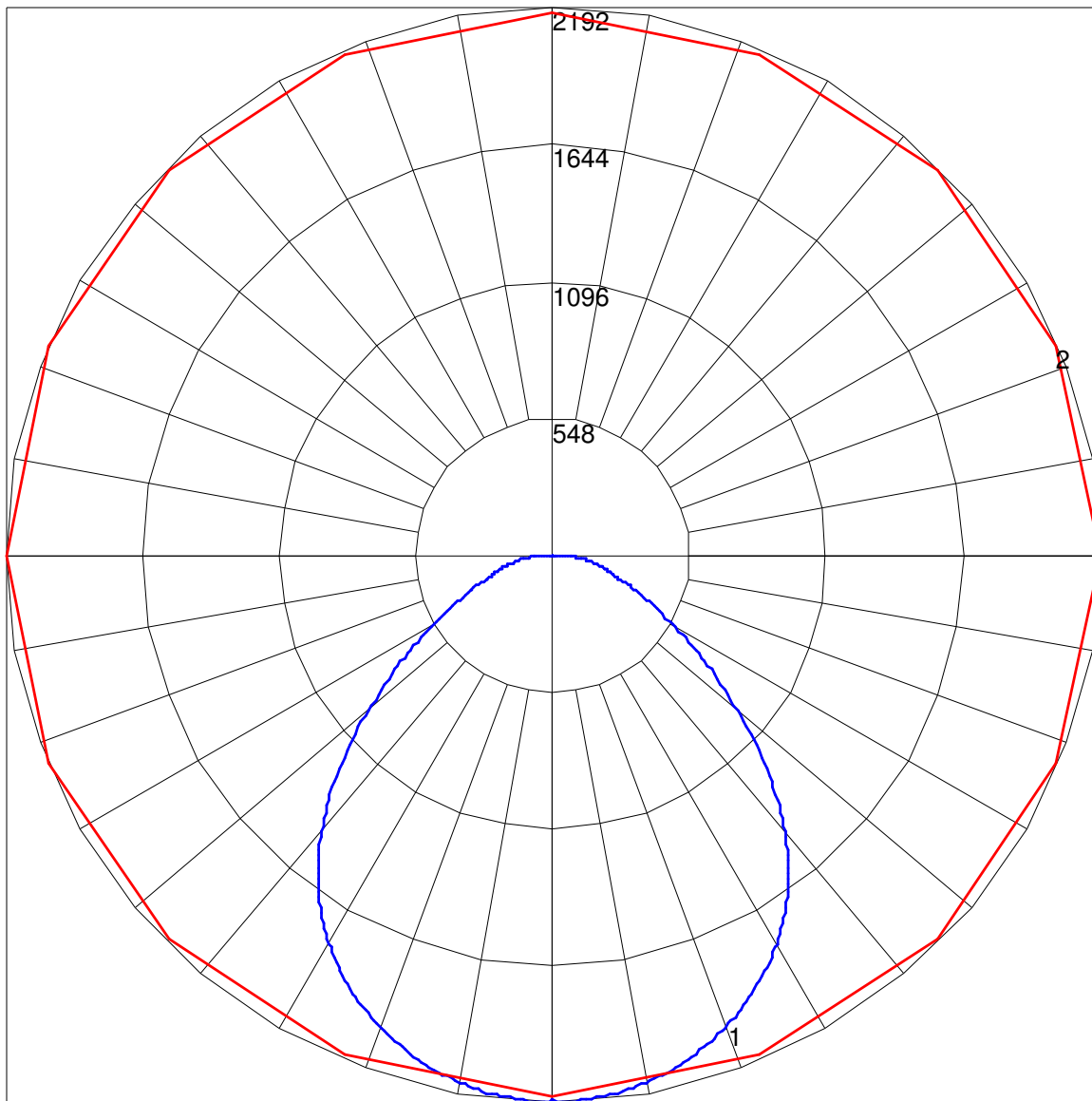
### Reflectances

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	13.7	15.2	14.0	15.5	15.8	12.8	14.3	13.2	14.6	14.9
	3H	14.8	16.2	15.2	16.5	16.9	14.2	15.5	14.6	15.9	16.2
	4H	15.4	16.7	15.8	17.0	17.4	14.9	16.2	15.3	16.5	16.9
	6H	16.0	17.1	16.4	17.5	17.9	15.7	16.9	16.1	17.2	17.6
	8H	16.2	17.3	16.7	17.7	18.1	16.1	17.2	16.5	17.6	18.0
	12H	16.4	17.5	16.9	17.9	18.3	16.3	17.4	16.8	17.8	18.2
4H	2H	13.9	15.1	14.3	15.5	15.9	13.1	14.4	13.5	14.7	15.1
	3H	15.3	16.3	15.7	16.7	17.1	14.7	15.8	15.1	16.2	16.6
	4H	16.0	16.9	16.4	17.3	17.8	15.6	16.6	16.1	17.0	17.5
	6H	16.8	17.6	17.2	18.1	18.5	16.7	17.5	17.1	17.9	18.4
	8H	17.1	17.9	17.6	18.4	18.8	17.1	17.9	17.6	18.3	18.8
	12H	17.4	18.2	17.9	18.6	19.1	17.5	18.2	18.0	18.7	19.2
8H	4H	16.3	17.0	16.7	17.5	17.9	16.0	16.7	16.4	17.2	17.6
	6H	17.2	17.9	17.7	18.4	18.8	17.2	17.8	17.7	18.3	18.8
	8H	17.7	18.3	18.2	18.8	19.3	17.8	18.4	18.3	18.9	19.4
	12H	18.2	18.7	18.7	19.2	19.7	18.3	18.8	18.8	19.3	19.9
12H	4H	16.3	17.0	16.8	17.5	17.9	16.0	16.7	16.5	17.2	17.7
	6H	17.4	17.9	17.9	18.4	18.9	17.3	17.9	17.8	18.3	18.9
	8H	17.9	18.4	18.4	18.9	19.5	18.0	18.5	18.5	19.0	19.5

Maximum UGR = 19.9

POLAR GRAPH



Maximum Candela = 2192.051 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)