



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L60-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 2025-04-25
 [TESTDATE] 3/18/2025
 [MANUFAC] WILLIAMS INDOOR
 [MORE] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] BAR-14-L60-835-DIM-UNV
 [LUMINAIRE] Recessed 1 x 4 Indirect LED luminaire
 [MORE] with centered LED rail & white painted housing
 [LAMP] 112 White LEDs
 [BALLAST] 0-10v LED DRIVER
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] INDOOR
 [_SEARCH_MOUNTING] RECESSED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6002
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	51.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6469	6179	5753
55	6399	5665	4898
65	6382	4777	3875
75	6094	3357	2721
85	3944	1986	2088

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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	2153.541	2153.541	2153.541	2153.541	2153.541
0.5	2149.743	2154.491	2151.642	2155.441	2157.340
1.0	2149.743	2153.541	2150.693	2154.491	2156.390
1.5	2148.794	2153.541	2149.743	2153.541	2155.441
2.0	2148.794	2152.592	2148.794	2152.592	2154.491
2.5	2147.844	2151.642	2147.844	2151.642	2152.592
3.0	2147.844	2150.693	2145.945	2149.743	2150.693
3.5	2146.895	2149.743	2144.996	2147.844	2149.743
4.0	2145.945	2148.794	2143.097	2146.895	2147.844
4.5	2144.996	2147.844	2141.198	2144.996	2145.945
5.0	2144.046	2145.945	2139.298	2143.097	2143.097
5.5	2143.097	2144.046	2137.399	2141.198	2141.198
6.0	2142.147	2142.147	2135.500	2138.349	2139.298
6.5	2140.248	2140.248	2133.601	2136.450	2137.399
7.0	2138.349	2138.349	2130.753	2134.551	2134.551
7.5	2136.450	2135.500	2128.854	2131.702	2132.652
8.0	2134.551	2133.601	2126.005	2129.803	2129.803
8.5	2132.652	2130.753	2123.156	2126.955	2127.904
9.0	2129.803	2127.904	2121.257	2124.106	2125.055
9.5	2127.904	2125.055	2118.409	2121.257	2122.207
10.0	2125.055	2122.207	2114.611	2118.409	2119.358
10.5	2122.207	2119.358	2111.762	2114.611	2116.510
11.0	2118.409	2115.560	2108.913	2111.762	2113.661
11.5	2115.560	2112.712	2105.115	2108.913	2109.863
12.0	2112.712	2108.913	2101.317	2105.115	2106.065
12.5	2108.913	2105.115	2097.519	2101.317	2102.267
13.0	2105.115	2101.317	2093.721	2097.519	2098.469
13.5	2101.317	2097.519	2089.923	2093.721	2094.670
14.0	2096.569	2092.771	2085.175	2089.923	2090.872
14.5	2092.771	2088.024	2081.377	2085.175	2087.074
15.0	2088.024	2084.226	2076.629	2080.427	2082.326
15.5	2083.276	2079.478	2071.882	2075.680	2077.579
16.0	2078.528	2073.781	2066.184	2070.932	2072.831
16.5	2073.781	2069.033	2061.437	2065.235	2068.083
17.0	2069.033	2064.285	2055.740	2059.538	2062.386
17.5	2064.285	2058.588	2050.992	2053.840	2056.689
18.0	2059.538	2053.840	2045.295	2048.143	2050.042
18.5	2053.840	2048.143	2039.597	2042.446	2044.345
19.0	2049.093	2042.446	2033.900	2035.799	2036.749
19.5	2043.396	2036.749	2027.254	2029.153	2030.102
20.0	2037.698	2031.052	2021.556	2022.506	2022.506
20.5	2031.052	2025.354	2014.910	2015.859	2014.910
21.0	2025.354	2018.708	2008.263	2008.263	2007.313
21.5	2019.657	2012.061	2001.616	2000.667	1999.717
22.0	2013.011	2005.414	1994.969	1994.020	1992.121
22.5	2006.364	1998.768	1987.373	1985.474	1984.525
23.0	1999.717	1992.121	1980.726	1977.878	1976.928
23.5	1993.070	1984.525	1973.130	1970.282	1968.382
24.0	1985.474	1976.928	1965.534	1961.736	1959.837
24.5	1977.878	1969.332	1957.938	1953.190	1951.291
25.0	1970.282	1960.786	1949.392	1945.594	1943.695
25.5	1962.685	1953.190	1941.796	1937.048	1935.149
26.0	1955.089	1944.644	1933.250	1928.502	1926.603
26.5	1946.543	1936.098	1924.704	1919.956	1918.057

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CANDELA TABULATION - (Cont.)

27.0	1937.997	1927.553	1916.158	1911.411	1908.562
27.5	1929.452	1918.057	1907.612	1901.915	1899.067
28.0	1919.956	1909.511	1899.067	1892.420	1889.571
28.5	1911.411	1900.016	1889.571	1881.975	1879.126
29.0	1901.915	1890.521	1880.076	1872.480	1868.682
29.5	1892.420	1881.975	1870.581	1861.085	1858.237
30.0	1882.925	1872.480	1861.085	1850.640	1845.893
30.5	1873.429	1862.035	1850.640	1839.246	1833.549
31.0	1863.934	1852.539	1840.196	1827.852	1821.205
31.5	1854.439	1842.095	1829.751	1815.508	1808.861
32.0	1843.994	1832.599	1819.306	1803.164	1795.567
32.5	1833.549	1822.154	1807.911	1790.820	1782.274
33.0	1824.053	1811.710	1796.517	1778.476	1768.981
33.5	1812.659	1801.265	1785.123	1765.182	1754.738
34.0	1802.214	1790.820	1772.779	1751.889	1740.495
34.5	1791.769	1780.375	1761.384	1737.646	1726.252
35.0	1781.324	1768.981	1749.040	1724.352	1711.059
35.5	1770.880	1757.586	1736.696	1710.109	1696.816
36.0	1759.485	1746.192	1724.352	1695.866	1681.623
36.5	1748.091	1734.797	1711.059	1681.623	1665.481
37.0	1736.696	1722.453	1698.715	1666.431	1650.289
37.5	1725.302	1711.059	1685.422	1651.238	1634.147
38.0	1712.958	1698.715	1672.128	1636.046	1618.005
38.5	1700.614	1686.371	1657.885	1620.853	1601.863
39.0	1688.270	1674.027	1644.592	1604.711	1584.771
39.5	1674.977	1661.683	1630.349	1587.620	1568.629
40.0	1662.633	1648.390	1616.106	1570.528	1550.588
40.5	1650.289	1635.096	1601.863	1553.436	1531.597
41.0	1636.995	1621.803	1586.670	1536.345	1513.556
41.5	1623.702	1608.509	1572.427	1518.304	1495.515
42.0	1610.408	1595.216	1556.285	1501.212	1477.474
42.5	1597.115	1581.922	1541.093	1482.221	1458.483
43.0	1582.872	1567.679	1524.950	1464.180	1437.593
43.5	1568.629	1554.386	1508.808	1445.190	1418.603
44.0	1555.336	1539.193	1492.666	1426.199	1398.663
44.5	1541.093	1524.950	1475.575	1407.208	1377.773
45.0	1527.799	1510.707	1459.433	1388.218	1358.782
45.5	1513.556	1496.464	1442.341	1369.227	1338.842
46.0	1499.313	1481.272	1425.249	1349.287	1318.902
46.5	1485.070	1467.029	1407.208	1329.347	1298.012
47.0	1470.827	1451.836	1390.117	1309.406	1277.122
47.5	1456.584	1436.644	1373.025	1289.466	1257.182
48.0	1442.341	1421.451	1354.984	1269.526	1236.292
48.5	1427.149	1407.208	1336.943	1249.586	1215.403
49.0	1411.956	1391.066	1318.902	1229.646	1194.513
49.5	1396.763	1375.874	1299.911	1208.756	1172.674
50.0	1381.571	1360.681	1280.920	1187.866	1151.784
50.5	1367.328	1344.539	1262.879	1167.926	1130.894
51.0	1351.186	1329.347	1242.939	1147.036	1110.004
51.5	1335.993	1313.205	1223.948	1127.096	1089.115
52.0	1320.801	1297.062	1204.958	1105.257	1068.225
52.5	1304.659	1280.920	1185.967	1084.367	1046.386
53.0	1288.517	1264.778	1166.027	1062.528	1025.496
53.5	1273.324	1247.687	1145.137	1040.688	1003.657
54.0	1258.132	1231.545	1126.146	1019.799	980.868
54.5	1241.990	1214.453	1106.206	997.959	959.029

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55.0	1225.847	1197.361	1085.317	977.070	938.424
55.5	1209.705	1180.270	1064.427	955.230	916.584
56.0	1193.563	1163.178	1043.537	934.151	894.650
56.5	1177.421	1145.137	1022.647	912.596	872.526
57.0	1162.229	1128.046	1001.758	890.472	851.352
57.5	1146.087	1110.954	980.868	868.823	830.462
58.0	1129.945	1092.913	959.029	847.648	809.382
58.5	1113.803	1074.872	937.379	826.284	788.492
59.0	1098.610	1056.831	915.445	805.299	768.172
59.5	1082.468	1038.789	894.175	784.220	750.606
60.0	1066.326	1019.799	872.906	765.799	730.571
60.5	1050.184	1001.758	851.826	746.333	713.194
61.0	1034.991	983.716	830.747	727.058	693.254
61.5	1017.900	964.726	810.047	710.441	674.074
62.0	1001.758	946.495	789.822	690.596	654.323
62.5	985.616	927.884	770.451	671.225	635.238
63.0	969.473	908.608	751.840	652.045	616.532
63.5	952.382	889.618	733.040	633.149	598.396
64.0	935.480	870.057	715.378	614.443	581.114
64.5	918.294	850.972	694.868	595.832	564.118
65.0	900.822	831.126	674.359	577.886	546.931
65.5	882.876	810.712	653.849	559.465	530.124
66.0	865.500	789.917	632.959	541.424	513.128
66.5	847.648	770.356	612.164	523.288	496.036
67.0	829.987	750.986	591.749	505.437	478.945
67.5	811.946	732.755	571.334	487.585	462.043
68.0	793.145	712.910	550.824	470.114	445.331
68.5	773.965	691.830	530.409	452.073	428.524
69.0	756.968	669.801	510.279	434.127	412.287
69.5	742.250	647.297	489.674	416.750	395.860
70.0	724.684	624.983	469.354	399.943	380.003
70.5	705.028	602.384	449.509	383.516	364.051
71.0	685.373	579.880	430.234	367.279	349.143
71.5	665.053	557.186	411.433	351.802	334.426
72.0	645.493	534.872	392.442	336.420	319.708
72.5	625.932	512.558	373.926	321.322	304.800
73.0	606.182	490.434	356.360	306.604	290.177
73.5	586.337	468.595	339.268	291.697	275.839
74.0	566.492	447.135	322.556	276.979	261.881
74.5	546.741	425.296	306.224	262.641	248.208
75.0	526.801	404.121	290.177	248.208	235.199
75.5	506.386	383.042	274.985	234.630	222.950
76.0	486.351	362.247	260.077	221.431	211.081
76.5	466.221	341.832	245.264	208.897	199.212
77.0	446.376	321.607	230.926	196.933	188.103
77.5	426.056	302.141	216.778	185.444	177.183
78.0	405.261	283.246	202.820	174.239	166.738
78.5	384.941	264.540	189.242	163.225	156.958
79.0	364.051	246.594	176.233	152.875	147.178
79.5	343.256	229.217	163.700	142.715	137.777
80.0	321.797	212.316	151.735	133.030	128.757
80.5	300.622	196.174	140.341	123.914	120.306
81.0	279.258	180.506	129.516	115.083	112.805
81.5	257.418	165.219	118.977	106.822	105.873
82.0	235.674	150.596	108.627	99.416	98.846
82.5	213.835	136.543	99.036	92.200	91.155

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CANDELA TABULATION - (Cont.)

83.0	192.660	123.060	89.636	84.603	83.084
83.5	171.011	109.196	81.375	76.342	75.678
84.0	150.691	96.378	73.589	68.936	69.791
84.5	131.605	84.508	65.803	63.144	64.948
85.0	114.799	73.304	57.827	58.301	60.770
85.5	99.036	62.669	50.705	53.933	56.212
86.0	83.844	52.984	44.723	48.901	50.800
86.5	69.126	44.153	39.690	43.109	44.153
87.0	55.453	36.082	34.563	36.272	36.747
87.5	42.919	28.866	28.581	29.056	29.151
88.0	31.335	22.314	22.124	22.219	22.599
88.5	21.270	16.522	16.047	16.427	16.807
89.0	12.914	11.015	10.350	11.015	11.584
89.5	5.507	5.887	5.507	6.267	6.457
90.0	0.000	0.000	0.000	0.000	0.000
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 : BAR-14-L60-835-DIM-UNV_.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 : BAR-14-L60-835-DIM-UNV_.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 : BAR-14-L60-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	791.59	N.A.	13.20
0-30	1691.99	N.A.	28.20
0-40	2784.04	N.A.	46.40
0-60	4870.45	N.A.	81.20
0-80	5918.00	N.A.	98.60
0-90	6001.53	N.A.	100.00
10-90	5797.71	N.A.	96.60
20-40	1992.45	N.A.	33.20
20-50	3109.87	N.A.	51.80
40-70	2779.74	N.A.	46.30
60-80	1047.55	N.A.	17.50
70-80	354.22	N.A.	5.90
80-90	83.53	N.A.	1.40
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	6001.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	203.82
10-20	587.77
20-30	900.40
30-40	1092.05
40-50	1117.41
50-60	968.99
60-70	693.34
70-80	354.22
80-90	83.53
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 : BAR-14-L60-835-DIM-UNV_.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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	45	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L60-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

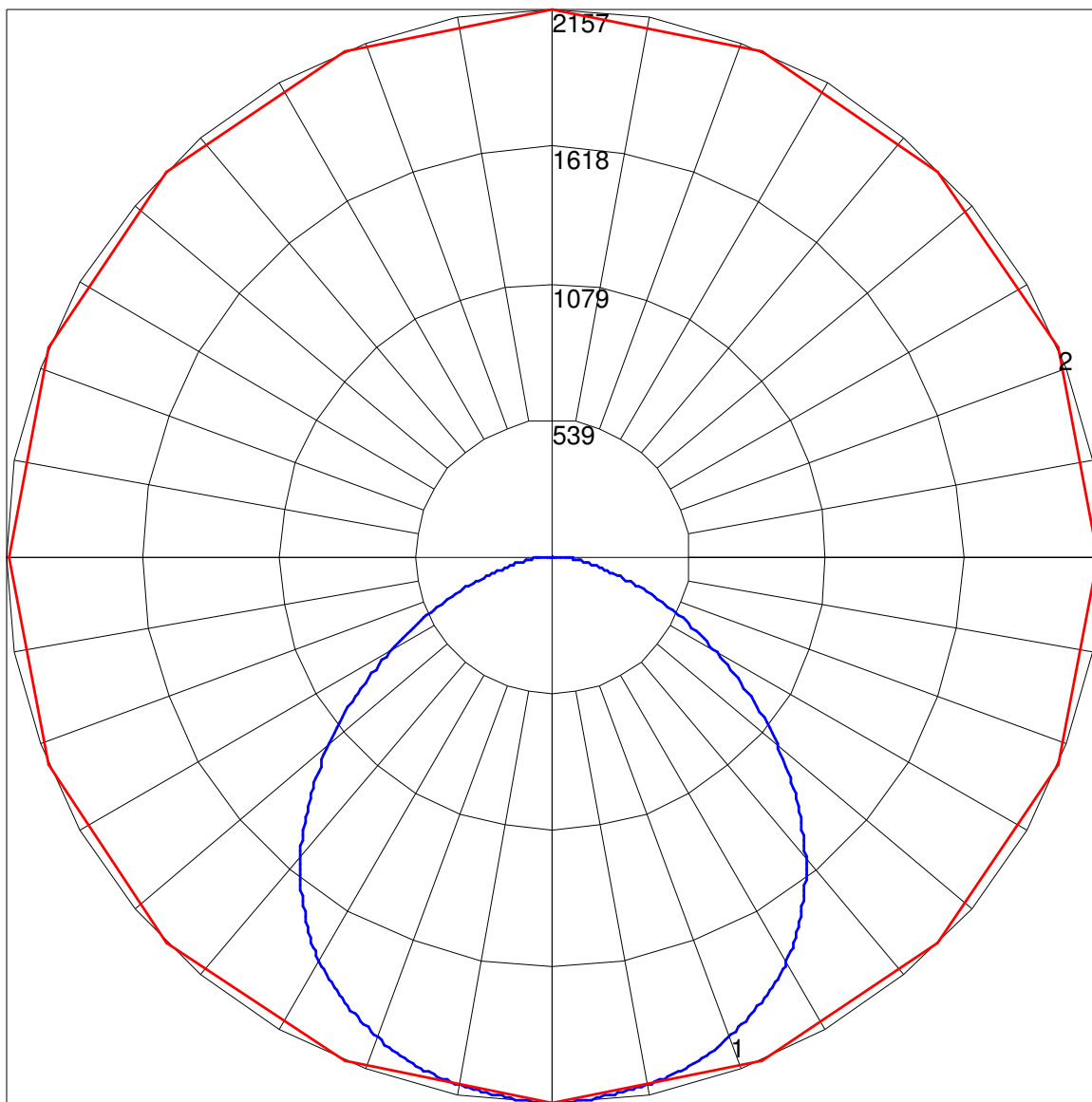
Reflectances

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	18.9	20.6	19.3	20.9	21.2	17.1	18.7	17.5	19.0	19.4
	3H	20.9	22.4	21.3	22.7	23.1	18.4	19.9	18.8	20.2	20.6
	4H	21.7	23.0	22.1	23.4	23.8	18.8	20.2	19.2	20.5	20.9
	6H	22.2	23.5	22.6	23.9	24.3	19.0	20.3	19.5	20.7	21.1
	8H	22.4	23.6	22.8	24.0	24.4	19.1	20.3	19.6	20.7	21.1
	12H	22.5	23.7	22.9	24.0	24.5	19.2	20.3	19.6	20.7	21.1
4H	2H	19.3	20.7	19.7	21.0	21.4	17.8	19.2	18.2	19.6	19.9
	3H	21.5	22.6	21.9	23.0	23.4	19.3	20.5	19.7	20.9	21.3
	4H	22.3	23.4	22.8	23.8	24.2	19.8	20.8	20.2	21.2	21.7
	6H	23.0	23.9	23.5	24.4	24.8	20.1	21.0	20.6	21.5	21.9
	8H	23.2	24.1	23.7	24.5	25.0	20.2	21.0	20.7	21.5	22.0
	12H	23.4	24.1	23.9	24.6	25.1	20.3	21.0	20.8	21.5	22.0
8H	4H	22.4	23.3	22.9	23.7	24.2	20.1	20.9	20.6	21.4	21.9
	6H	23.2	23.9	23.7	24.4	24.8	20.5	21.2	21.0	21.7	22.2
	8H	23.4	24.1	23.9	24.6	25.1	20.7	21.3	21.2	21.8	22.3
	12H	23.6	24.2	24.1	24.7	25.2	20.8	21.3	21.3	21.8	22.4
12H	4H	22.4	23.2	22.9	23.7	24.1	20.2	20.9	20.6	21.4	21.8
	6H	23.2	23.8	23.7	24.3	24.8	20.6	21.2	21.1	21.7	22.2
	8H	23.4	24.0	24.0	24.5	25.1	20.7	21.3	21.2	21.8	22.3

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 2157.34 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)