



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L60-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.03
 [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-24-L60-835-DIM-UNV_
 [LUMINAIRE] Recessed 2 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	5865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	45.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2676	2862	2979
55	2631	2914	3012
65	2565	2910	2678
75	2304	1982	1113
85	1554	812	675

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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	1874.522	1874.522	1874.522	1874.522	1874.522
0.5	1873.004	1874.522	1873.004	1876.041	1877.559
1.0	1872.245	1873.763	1872.245	1875.282	1877.559
1.5	1872.245	1873.763	1871.485	1875.282	1876.800
2.0	1871.485	1873.004	1871.485	1874.522	1876.041
2.5	1871.485	1872.245	1870.726	1873.763	1875.282
3.0	1870.726	1871.485	1869.208	1872.245	1874.522
3.5	1869.967	1870.726	1868.448	1871.485	1873.004
4.0	1869.967	1869.967	1866.930	1870.726	1872.245
4.5	1868.448	1868.448	1866.171	1869.967	1871.485
5.0	1867.689	1867.689	1864.652	1868.448	1869.967
5.5	1866.930	1866.171	1863.893	1867.689	1869.208
6.0	1865.412	1864.652	1862.375	1866.930	1868.448
6.5	1863.893	1862.375	1860.856	1865.412	1867.689
7.0	1862.375	1860.856	1860.097	1864.652	1866.930
7.5	1860.856	1859.338	1857.819	1863.134	1865.412
8.0	1858.579	1857.060	1856.301	1862.375	1864.652
8.5	1857.060	1854.782	1854.782	1860.856	1863.893
9.0	1854.782	1853.264	1853.264	1860.097	1863.134
9.5	1852.505	1850.986	1851.746	1858.579	1861.615
10.0	1849.468	1848.709	1849.468	1857.060	1860.856
10.5	1847.949	1845.672	1847.949	1856.301	1860.097
11.0	1844.913	1843.394	1845.672	1854.782	1858.579
11.5	1841.876	1840.357	1843.394	1853.264	1857.060
12.0	1838.839	1837.320	1841.116	1851.746	1856.301
12.5	1835.802	1834.283	1838.839	1850.227	1854.023
13.0	1832.006	1831.247	1836.561	1848.709	1853.264
13.5	1828.969	1828.210	1834.283	1846.431	1851.746
14.0	1825.173	1824.414	1831.247	1844.153	1850.227
14.5	1820.617	1821.377	1828.210	1841.876	1848.709
15.0	1817.581	1817.581	1825.173	1840.357	1846.431
15.5	1813.025	1813.025	1822.136	1837.320	1844.913
16.0	1809.229	1809.229	1819.099	1835.043	1841.876
16.5	1805.433	1805.433	1816.062	1832.006	1839.598
17.0	1800.878	1800.878	1812.266	1828.969	1837.320
17.5	1796.322	1797.082	1808.470	1825.932	1834.283
18.0	1791.767	1792.526	1805.433	1822.895	1831.247
18.5	1787.212	1788.730	1801.637	1819.099	1827.450
19.0	1781.897	1784.175	1797.841	1816.062	1823.654
19.5	1777.342	1778.860	1794.045	1812.266	1819.858
20.0	1772.027	1774.305	1790.248	1808.470	1816.062
20.5	1766.713	1769.749	1785.693	1804.674	1812.266
21.0	1761.398	1764.435	1781.138	1800.878	1807.711
21.5	1755.324	1759.120	1776.582	1796.322	1803.915
22.0	1750.010	1753.806	1772.027	1792.526	1800.118
22.5	1743.936	1748.491	1767.472	1787.971	1796.322
23.0	1738.621	1743.177	1762.916	1784.175	1792.526
23.5	1731.788	1737.103	1757.602	1779.619	1787.971
24.0	1724.955	1731.029	1752.287	1775.064	1784.175
24.5	1718.882	1724.955	1746.973	1771.268	1780.379
25.0	1712.049	1718.882	1742.417	1766.713	1775.823
25.5	1705.215	1712.049	1736.344	1762.157	1772.027
26.0	1698.382	1705.215	1731.029	1757.602	1768.231
26.5	1690.790	1698.382	1725.715	1753.047	1763.676

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CANDELA TABULATION - (Cont.)

27.0	1683.198	1691.549	1719.641	1748.491	1759.120
27.5	1675.606	1683.957	1714.326	1743.177	1754.565
28.0	1667.254	1677.124	1708.252	1737.862	1750.010
28.5	1659.662	1669.532	1702.179	1732.548	1744.695
29.0	1651.311	1661.940	1695.346	1726.474	1739.381
29.5	1642.959	1654.348	1689.272	1720.400	1733.307
30.0	1634.608	1646.755	1682.439	1714.326	1727.233
30.5	1625.497	1638.404	1675.606	1708.252	1721.159
31.0	1617.146	1630.812	1668.014	1701.419	1714.326
31.5	1608.794	1622.460	1661.181	1694.586	1707.493
32.0	1599.683	1614.868	1653.588	1687.753	1700.660
32.5	1590.573	1606.516	1645.996	1680.161	1693.827
33.0	1582.221	1597.406	1638.404	1673.328	1686.235
33.5	1572.351	1589.054	1630.812	1665.736	1679.402
34.0	1563.241	1579.944	1622.460	1658.144	1671.810
34.5	1553.371	1571.592	1614.109	1650.551	1664.217
35.0	1543.501	1562.482	1606.516	1642.959	1656.625
35.5	1534.390	1553.371	1598.165	1635.367	1649.033
36.0	1523.761	1544.260	1589.814	1627.015	1641.441
36.5	1513.132	1535.149	1580.703	1619.423	1633.089
37.0	1502.503	1525.280	1572.351	1611.072	1624.738
37.5	1492.633	1516.169	1563.241	1602.720	1616.386
38.0	1482.004	1505.540	1554.889	1593.610	1608.035
38.5	1471.375	1495.670	1545.779	1585.258	1599.683
39.0	1460.746	1485.800	1535.909	1576.148	1590.573
39.5	1450.116	1475.930	1526.798	1567.037	1581.462
40.0	1438.728	1466.060	1517.687	1557.926	1572.351
40.5	1428.099	1454.672	1507.817	1548.056	1563.241
41.0	1416.711	1444.043	1497.948	1538.186	1553.371
41.5	1405.322	1433.414	1487.318	1529.076	1543.501
42.0	1393.934	1422.784	1477.449	1518.447	1533.631
42.5	1382.546	1411.396	1466.819	1508.577	1523.002
43.0	1370.398	1400.008	1456.190	1498.707	1513.132
43.5	1358.250	1388.619	1445.561	1488.078	1502.503
44.0	1346.103	1377.231	1434.932	1477.449	1491.874
44.5	1333.955	1365.843	1423.544	1466.060	1481.245
45.0	1321.049	1353.695	1412.915	1455.431	1470.615
45.5	1308.901	1342.307	1402.285	1444.043	1459.227
46.0	1295.994	1330.159	1390.897	1432.654	1447.080
46.5	1283.087	1318.012	1379.509	1421.266	1435.691
47.0	1269.421	1305.864	1367.361	1409.118	1423.544
47.5	1256.515	1293.716	1355.973	1397.730	1412.155
48.0	1243.608	1281.569	1343.825	1385.582	1399.249
48.5	1229.942	1270.181	1332.437	1374.194	1387.101
49.0	1217.035	1257.274	1320.289	1362.047	1374.194
49.5	1204.128	1245.126	1308.142	1349.140	1361.287
50.0	1191.221	1232.979	1295.994	1336.233	1349.140
50.5	1177.555	1220.831	1283.847	1323.326	1336.233
51.0	1164.649	1207.924	1270.940	1310.419	1322.567
51.5	1150.982	1195.017	1258.792	1297.513	1308.901
52.0	1137.316	1182.111	1245.885	1283.847	1295.235
52.5	1123.650	1169.204	1232.979	1270.181	1281.569
53.0	1109.984	1156.297	1220.072	1256.515	1267.144
53.5	1096.318	1143.390	1207.165	1242.849	1251.959
54.0	1082.652	1130.483	1193.499	1228.423	1236.775
54.5	1068.227	1117.577	1180.592	1213.998	1221.590

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CANDELA TABULATION - (Cont.)

55.0	1053.802	1104.670	1166.926	1198.814	1206.406
55.5	1040.136	1091.004	1152.501	1183.629	1190.462
56.0	1025.711	1077.338	1138.835	1167.685	1174.518
56.5	1011.285	1063.672	1124.410	1152.501	1157.816
57.0	996.860	1050.006	1109.984	1135.798	1140.353
57.5	981.676	1036.340	1095.559	1119.854	1122.132
58.0	967.250	1021.915	1081.134	1103.151	1104.670
58.5	952.825	1008.249	1065.949	1086.449	1085.689
59.0	938.400	994.582	1050.765	1068.986	1067.468
59.5	923.975	980.916	1036.340	1050.765	1048.487
60.0	908.790	967.250	1021.155	1033.303	1027.988
60.5	894.365	953.584	1005.971	1015.082	1008.249
61.0	879.181	939.159	991.546	996.860	986.990
61.5	864.755	925.493	976.361	977.880	965.732
62.0	849.571	911.068	960.417	958.899	942.955
62.5	834.386	897.402	943.715	938.400	920.179
63.0	819.202	882.977	927.771	917.901	896.643
63.5	804.017	867.792	911.068	896.643	871.588
64.0	788.833	853.367	894.365	873.866	845.775
64.5	772.889	838.942	876.144	851.089	819.202
65.0	757.022	823.757	858.682	826.035	790.351
65.5	741.002	808.573	840.460	799.462	759.983
66.0	724.451	792.629	820.720	772.130	728.019
66.5	707.748	776.685	800.981	744.418	695.676
67.0	691.197	759.983	781.241	714.277	661.815
67.5	674.190	743.963	759.983	683.984	627.726
68.0	656.956	727.488	737.661	652.401	595.459
68.5	639.722	710.633	715.036	620.741	563.040
69.0	622.108	693.550	691.652	589.233	528.268
69.5	605.708	676.544	667.737	557.801	493.040
70.0	590.524	659.385	643.214	524.092	459.102
70.5	575.871	641.771	619.374	490.382	426.000
71.0	558.181	624.537	594.092	457.052	394.416
71.5	540.111	609.504	568.279	424.178	364.579
72.0	522.270	591.739	541.782	392.594	335.577
72.5	504.428	576.023	511.792	361.998	307.789
73.0	486.434	558.636	482.031	333.527	282.735
73.5	469.124	540.339	450.827	307.182	259.806
74.0	451.662	521.890	420.154	282.051	238.776
74.5	434.276	502.834	389.102	258.743	219.340
75.0	416.358	483.625	358.277	237.181	201.194
75.5	399.124	463.885	328.592	217.214	185.023
76.0	382.497	443.690	299.817	199.068	169.838
76.5	365.035	423.723	272.789	182.593	156.248
77.0	348.180	402.996	247.886	167.485	143.873
77.5	330.718	382.193	224.958	153.970	132.560
78.0	314.015	360.783	203.776	141.899	122.766
78.5	297.236	338.158	184.643	130.586	113.656
79.0	280.457	315.533	167.788	120.261	105.001
79.5	263.906	292.529	152.300	110.923	97.408
80.0	247.659	269.069	138.330	102.343	90.651
80.5	231.335	245.077	125.727	94.675	84.502
81.0	214.708	221.541	114.111	87.538	78.883
81.5	198.385	198.005	103.482	81.085	73.417
82.0	182.517	175.457	93.916	75.011	67.875
82.5	166.801	154.806	85.261	69.089	62.636

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CANDELA TABULATION - (Cont.)

83.0	150.782	135.673	77.289	63.016	57.549
83.5	135.370	119.046	70.076	57.473	52.918
84.0	120.489	104.241	63.016	52.235	48.590
84.5	107.050	91.107	56.107	47.224	44.566
85.0	94.599	79.339	49.425	42.744	41.074
85.5	83.211	68.558	43.200	38.796	38.341
86.0	71.519	58.612	37.430	35.532	35.835
86.5	60.055	49.350	32.191	32.191	32.571
87.0	48.666	40.315	27.712	28.167	27.788
87.5	38.037	31.811	23.384	22.853	22.473
88.0	28.243	23.991	18.297	18.373	18.981
88.5	19.512	16.779	13.135	14.577	14.805
89.0	12.148	10.477	8.807	8.959	8.883
89.5	5.770	5.390	4.176	4.176	3.872
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-24-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-24-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-24-L60-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	694.60	N.A.	11.80
0-30	1498.76	N.A.	25.60
0-40	2502.18	N.A.	42.70
0-60	4611.69	N.A.	78.60
0-80	5790.61	N.A.	98.70
0-90	5865.14	N.A.	100.00
10-90	5687.34	N.A.	97.00
20-40	1807.58	N.A.	30.80
20-50	2890.91	N.A.	49.30
40-70	2910.99	N.A.	49.60
60-80	1178.92	N.A.	20.10
70-80	377.43	N.A.	6.40
80-90	74.53	N.A.	1.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5865.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.79
10-20	516.80
20-30	804.16
30-40	1003.42
40-50	1083.33
50-60	1026.18
60-70	801.49
70-80	377.43
80-90	74.53
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-24-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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	41	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L60-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

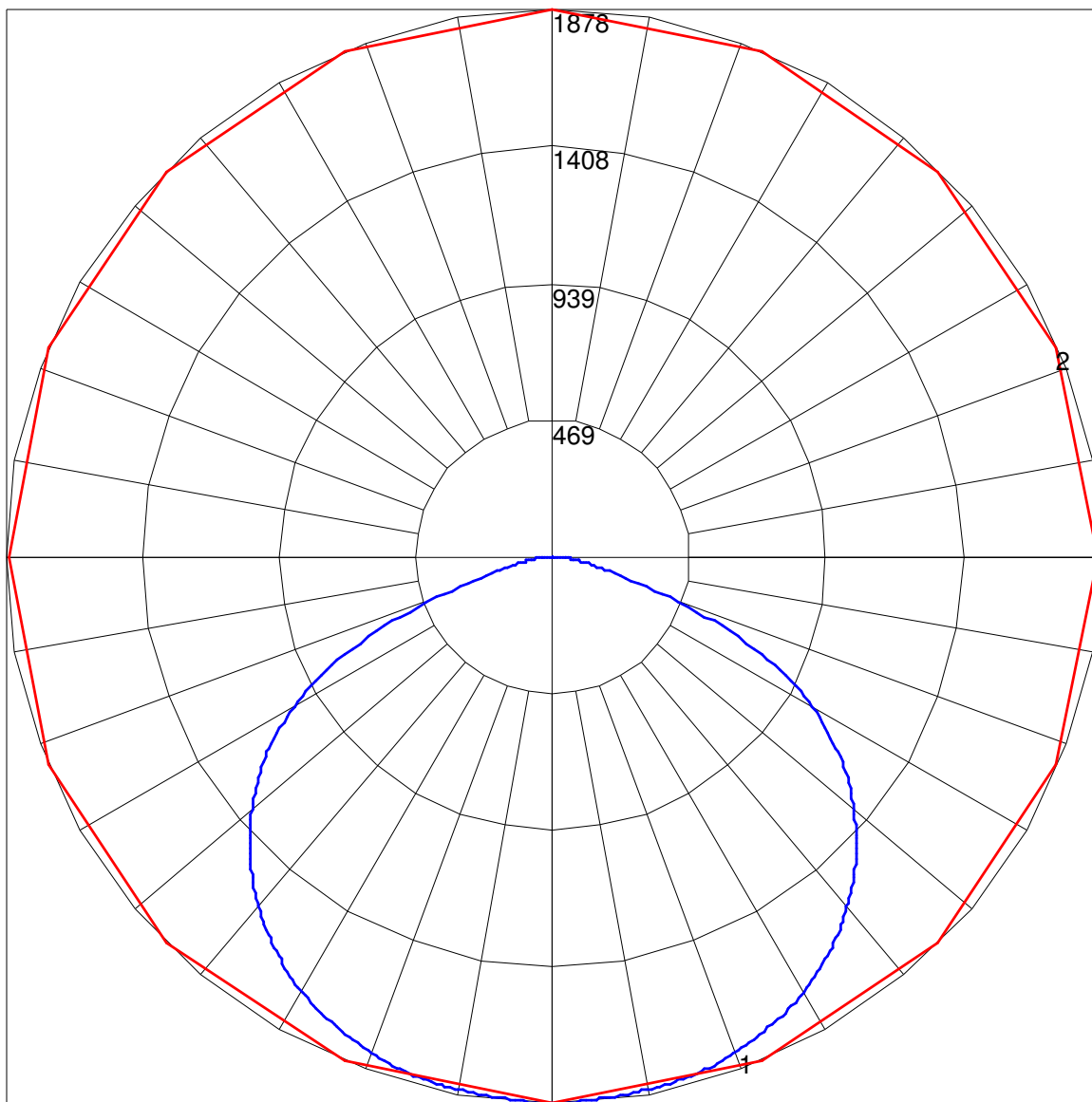
Reflectances

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	15.8	17.5	16.2	17.8	18.1	16.4	18.1	16.8	18.4	18.7
	3H	17.8	19.3	18.2	19.6	20.0	17.8	19.3	18.2	19.6	20.0
	4H	18.5	19.9	18.9	20.3	20.7	17.9	19.4	18.3	19.7	20.1
	6H	19.0	20.4	19.5	20.7	21.1	18.0	19.3	18.4	19.7	20.1
	8H	19.2	20.4	19.6	20.8	21.2	18.0	19.3	18.4	19.7	20.1
	12H	19.3	20.5	19.7	20.8	21.3	18.0	19.2	18.4	19.6	20.0
4H	2H	16.6	18.0	17.0	18.4	18.8	17.1	18.5	17.5	18.8	19.2
	3H	18.8	20.0	19.2	20.4	20.8	18.6	19.8	19.0	20.2	20.6
	4H	19.7	20.8	20.1	21.2	21.6	18.9	19.9	19.3	20.3	20.8
	6H	20.4	21.3	20.8	21.7	22.2	19.0	19.9	19.4	20.3	20.8
	8H	20.5	21.4	21.0	21.8	22.3	19.0	19.8	19.4	20.3	20.8
	12H	20.6	21.4	21.1	21.9	22.4	19.0	19.8	19.5	20.2	20.7
8H	4H	19.9	20.8	20.4	21.2	21.7	19.1	20.0	19.6	20.4	20.9
	6H	20.6	21.4	21.1	21.9	22.3	19.3	20.0	19.7	20.5	20.9
	8H	20.9	21.5	21.4	22.0	22.5	19.3	19.9	19.8	20.4	20.9
	12H	21.0	21.6	21.5	22.1	22.6	19.3	19.9	19.8	20.4	20.9
12H	4H	19.9	20.7	20.4	21.2	21.6	19.2	19.9	19.6	20.4	20.9
	6H	20.7	21.3	21.2	21.8	22.3	19.3	20.0	19.8	20.4	21.0
	8H	20.9	21.5	21.4	22.0	22.5	19.4	19.9	19.9	20.4	21.0

Maximum UGR = 22.6

POLAR GRAPH



Maximum Candela = 1877.559 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.)