



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L75-927-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-L75-927-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	6220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	61.2
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	2837	3035	3159
55	2790	3090	3194
65	2721	3086	2840
75	2443	2102	1181
85	1648	861	716

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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	1987.889	1987.889	1987.889	1987.889	1987.889
0.5	1986.278	1987.889	1986.278	1989.499	1991.109
1.0	1985.473	1987.084	1985.473	1988.694	1991.109
1.5	1985.473	1987.084	1984.668	1988.694	1990.304
2.0	1984.668	1986.278	1984.668	1987.889	1989.499
2.5	1984.668	1985.473	1983.863	1987.084	1988.694
3.0	1983.863	1984.668	1982.253	1985.473	1987.889
3.5	1983.058	1983.863	1981.448	1984.668	1986.278
4.0	1983.058	1983.058	1979.837	1983.863	1985.473
4.5	1981.448	1981.448	1979.032	1983.058	1984.668
5.0	1980.642	1980.642	1977.422	1981.448	1983.058
5.5	1979.837	1979.032	1976.617	1980.642	1982.253
6.0	1978.227	1977.422	1975.006	1979.837	1981.448
6.5	1976.617	1975.006	1973.396	1978.227	1980.642
7.0	1975.006	1973.396	1972.591	1977.422	1979.837
7.5	1973.396	1971.786	1970.176	1975.812	1978.227
8.0	1970.981	1969.370	1968.565	1975.006	1977.422
8.5	1969.370	1966.955	1966.955	1973.396	1976.617
9.0	1966.955	1965.345	1965.345	1972.591	1975.812
9.5	1964.540	1962.929	1963.734	1970.981	1974.201
10.0	1961.319	1960.514	1961.319	1969.370	1973.396
10.5	1959.709	1957.293	1959.709	1968.565	1972.591
11.0	1956.488	1954.878	1957.293	1966.955	1970.981
11.5	1953.268	1951.657	1954.878	1965.345	1969.370
12.0	1950.047	1948.437	1952.463	1963.734	1968.565
12.5	1946.827	1945.216	1950.047	1962.124	1966.150
13.0	1942.801	1941.996	1947.632	1960.514	1965.345
13.5	1939.580	1938.775	1945.216	1958.098	1963.734
14.0	1935.555	1934.749	1941.996	1955.683	1962.124
14.5	1930.724	1931.529	1938.775	1953.268	1960.514
15.0	1927.503	1927.503	1935.555	1951.657	1958.098
15.5	1922.672	1922.672	1932.334	1948.437	1956.488
16.0	1918.647	1918.647	1929.113	1946.021	1953.268
16.5	1914.621	1914.621	1925.893	1942.801	1950.852
17.0	1909.790	1909.790	1921.867	1939.580	1948.437
17.5	1904.959	1905.764	1917.842	1936.360	1945.216
18.0	1900.128	1900.934	1914.621	1933.139	1941.996
18.5	1895.298	1896.908	1910.595	1929.113	1937.970
19.0	1889.662	1892.077	1906.570	1925.893	1933.944
19.5	1884.831	1886.441	1902.544	1921.867	1929.919
20.0	1879.195	1881.610	1898.518	1917.842	1925.893
20.5	1873.559	1876.779	1893.687	1913.816	1921.867
21.0	1867.923	1871.143	1888.857	1909.790	1917.036
21.5	1861.482	1865.507	1884.026	1904.959	1913.011
22.0	1855.846	1859.872	1879.195	1900.934	1908.985
22.5	1849.405	1854.236	1874.364	1896.103	1904.959
23.0	1843.769	1848.600	1869.533	1892.077	1900.934
23.5	1836.522	1842.158	1863.897	1887.246	1896.103
24.0	1829.276	1835.717	1858.261	1882.415	1892.077
24.5	1822.835	1829.276	1852.625	1878.390	1888.051
25.0	1815.589	1822.835	1847.794	1873.559	1883.221
25.5	1808.343	1815.589	1841.353	1868.728	1879.195
26.0	1801.096	1808.343	1835.717	1863.897	1875.169
26.5	1793.045	1801.096	1830.081	1859.066	1870.338

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**CANDELA TABULATION - (Cont.)**

27.0	1784.994	1793.850	1823.640	1854.236	1865.507
27.5	1776.942	1785.799	1818.004	1848.600	1860.677
28.0	1768.086	1778.552	1811.563	1842.964	1855.846
28.5	1760.034	1770.501	1805.122	1837.328	1850.210
29.0	1751.178	1762.450	1797.876	1830.887	1844.574
29.5	1742.321	1754.398	1791.435	1824.445	1838.133
30.0	1733.465	1746.347	1784.188	1818.004	1831.692
30.5	1723.803	1737.490	1776.942	1811.563	1825.251
31.0	1714.946	1729.439	1768.891	1804.317	1818.004
31.5	1706.090	1720.582	1761.645	1797.071	1810.758
32.0	1696.428	1712.531	1753.593	1789.824	1803.512
32.5	1686.767	1703.675	1745.542	1781.773	1796.266
33.0	1677.910	1694.013	1737.490	1774.527	1788.214
33.5	1667.443	1685.156	1729.439	1766.475	1780.968
34.0	1657.782	1675.495	1720.582	1758.424	1772.916
34.5	1647.315	1666.638	1711.726	1750.373	1764.865
35.0	1636.848	1656.976	1703.675	1742.321	1756.814
35.5	1627.186	1647.315	1694.818	1734.270	1748.762
36.0	1615.914	1637.653	1685.961	1725.413	1740.711
36.5	1604.642	1627.991	1676.300	1717.362	1731.854
37.0	1593.370	1617.525	1667.443	1708.505	1722.998
37.5	1582.904	1607.863	1657.782	1699.649	1714.141
38.0	1571.632	1596.591	1648.925	1689.987	1705.285
38.5	1560.360	1586.124	1639.263	1681.131	1696.428
39.0	1549.088	1575.657	1628.797	1671.469	1686.767
39.5	1537.816	1565.191	1619.135	1661.807	1677.105
40.0	1525.739	1554.724	1609.473	1652.146	1667.443
40.5	1514.467	1542.647	1599.006	1641.679	1657.782
41.0	1502.390	1531.375	1588.540	1631.212	1647.315
41.5	1490.313	1520.103	1577.268	1621.550	1636.848
42.0	1478.236	1508.831	1566.801	1610.278	1626.381
42.5	1466.158	1496.754	1555.529	1599.812	1615.109
43.0	1453.276	1484.677	1544.257	1589.345	1604.642
43.5	1440.394	1472.600	1532.985	1578.073	1593.370
44.0	1427.512	1460.522	1521.713	1566.801	1582.098
44.5	1414.630	1448.445	1509.636	1554.724	1570.827
45.0	1400.942	1435.563	1498.364	1543.452	1559.555
45.5	1388.060	1423.486	1487.092	1531.375	1547.478
46.0	1374.373	1410.604	1475.015	1519.298	1534.595
46.5	1360.685	1397.722	1462.938	1507.221	1522.518
47.0	1346.193	1384.839	1450.056	1494.338	1509.636
47.5	1332.505	1371.957	1437.979	1482.261	1497.559
48.0	1318.818	1359.075	1425.096	1469.379	1483.872
48.5	1304.325	1346.998	1413.019	1457.302	1470.989
49.0	1290.638	1333.310	1400.137	1444.420	1457.302
49.5	1276.951	1320.428	1387.255	1430.732	1443.615
50.0	1263.263	1307.546	1374.373	1417.045	1430.732
50.5	1248.771	1294.664	1361.490	1403.358	1417.045
51.0	1235.084	1280.976	1347.803	1389.670	1402.552
51.5	1220.591	1267.289	1334.921	1375.983	1388.060
52.0	1206.098	1253.602	1321.233	1361.490	1373.567
52.5	1191.606	1239.914	1307.546	1346.998	1359.075
53.0	1177.113	1226.227	1293.859	1332.505	1343.777
53.5	1162.621	1212.540	1280.171	1318.013	1327.675
54.0	1148.128	1198.852	1265.679	1302.715	1311.572
54.5	1132.831	1185.165	1251.991	1287.418	1295.469

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**CANDELA TABULATION - (Cont.)**

55.0	1117.533	1171.478	1237.499	1271.315	1279.366
55.5	1103.041	1156.985	1222.201	1255.212	1262.458
56.0	1087.743	1142.493	1207.709	1238.304	1245.550
56.5	1072.445	1128.000	1192.411	1222.201	1227.837
57.0	1057.148	1113.507	1177.113	1204.488	1209.319
57.5	1041.045	1099.015	1161.816	1187.580	1189.996
58.0	1025.747	1083.717	1146.518	1169.867	1171.478
58.5	1010.450	1069.225	1130.415	1152.154	1151.349
59.0	995.152	1054.732	1114.313	1133.636	1132.026
59.5	979.854	1040.240	1099.015	1114.313	1111.897
60.0	963.752	1025.747	1082.912	1095.794	1090.158
60.5	948.454	1011.255	1066.809	1076.471	1069.225
61.0	932.351	995.957	1051.512	1057.148	1046.681
61.5	917.054	981.465	1035.409	1037.019	1024.137
62.0	900.951	966.167	1018.501	1016.891	999.983
62.5	884.848	951.675	1000.788	995.152	975.829
63.0	868.745	936.377	983.880	973.413	950.869
63.5	852.642	920.274	966.167	950.869	924.300
64.0	836.540	904.976	948.454	926.715	896.925
64.5	819.632	889.679	929.131	902.561	868.745
65.0	802.804	873.576	910.612	875.991	838.150
65.5	785.816	857.473	891.289	847.812	805.944
66.0	768.264	840.565	870.355	818.827	772.048
66.5	750.551	823.657	849.422	789.439	737.749
67.0	732.999	805.944	828.488	757.475	701.840
67.5	714.964	788.956	805.944	725.350	665.689
68.0	696.687	771.484	782.273	691.856	631.471
68.5	678.410	753.610	758.280	658.282	597.091
69.0	659.731	735.495	733.482	624.869	560.216
69.5	642.340	717.460	708.120	591.536	522.857
70.0	626.237	699.263	682.114	555.788	486.868
70.5	610.698	680.584	656.833	520.039	451.764
71.0	591.938	662.307	630.021	484.694	418.270
71.5	572.776	646.366	602.647	449.831	386.628
72.0	553.855	627.525	574.547	416.337	355.872
72.5	534.934	610.859	542.744	383.890	326.403
73.0	515.853	592.421	511.183	353.698	299.834
73.5	497.496	573.018	478.092	325.759	275.519
74.0	478.977	553.453	445.564	299.109	253.216
74.5	460.540	533.244	412.634	274.391	232.605
75.0	441.538	512.874	379.945	251.525	213.362
75.5	423.262	491.940	348.464	230.350	196.212
76.0	405.629	470.523	317.949	211.107	180.110
76.5	387.111	449.348	289.287	193.636	165.698
77.0	369.237	427.368	262.878	177.614	152.574
77.5	350.719	405.307	238.563	163.282	140.577
78.0	333.006	382.602	216.099	150.481	130.191
78.5	315.212	358.609	195.810	138.484	120.529
79.0	297.418	334.616	177.936	127.534	111.351
79.5	279.866	310.220	161.511	117.631	103.299
80.0	262.636	285.341	146.696	108.533	96.134
80.5	245.326	259.899	133.331	100.401	89.612
81.0	227.693	234.940	121.012	92.833	83.654
81.5	210.383	209.980	109.740	85.989	77.857
82.0	193.555	186.068	99.596	79.548	71.979
82.5	176.889	164.168	90.417	73.268	66.424

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**CANDELA TABULATION - (Cont.)**

83.0	159.901	143.878	81.963	66.827	61.030
83.5	143.556	126.246	74.314	60.949	56.118
84.0	127.776	110.546	66.827	55.394	51.529
84.5	113.525	96.617	59.500	50.080	47.262
85.0	100.320	84.137	52.415	45.329	43.558
85.5	88.243	72.704	45.812	41.143	40.660
86.0	75.844	62.157	39.693	37.681	38.003
86.5	63.687	52.334	34.138	34.138	34.540
87.0	51.609	42.753	29.388	29.871	29.468
87.5	40.337	33.735	24.798	24.235	23.832
88.0	29.951	25.442	19.404	19.484	20.128
88.5	20.692	17.794	13.929	15.459	15.700
89.0	12.882	11.111	9.340	9.501	9.420
89.5	6.119	5.716	4.428	4.428	4.106
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-L75-927-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-L75-927-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-L75-927-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	736.61	N.A.	11.80
0-30	1589.4	N.A.	25.60
0-40	2653.5	N.A.	42.70
0-60	4890.59	N.A.	78.60
0-80	6140.81	N.A.	98.70
0-90	6219.84	N.A.	100.00
10-90	6031.3	N.A.	97.00
20-40	1916.9	N.A.	30.80
20-50	3065.75	N.A.	49.30
40-70	3087.04	N.A.	49.60
60-80	1250.22	N.A.	20.10
70-80	400.26	N.A.	6.40
80-90	79.03	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	6219.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	188.55
10-20	548.06
20-30	852.79
30-40	1064.11
40-50	1148.85
50-60	1088.24
60-70	849.96
70-80	400.26
80-90	79.03
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-L75-927-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	88	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-L75-927-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

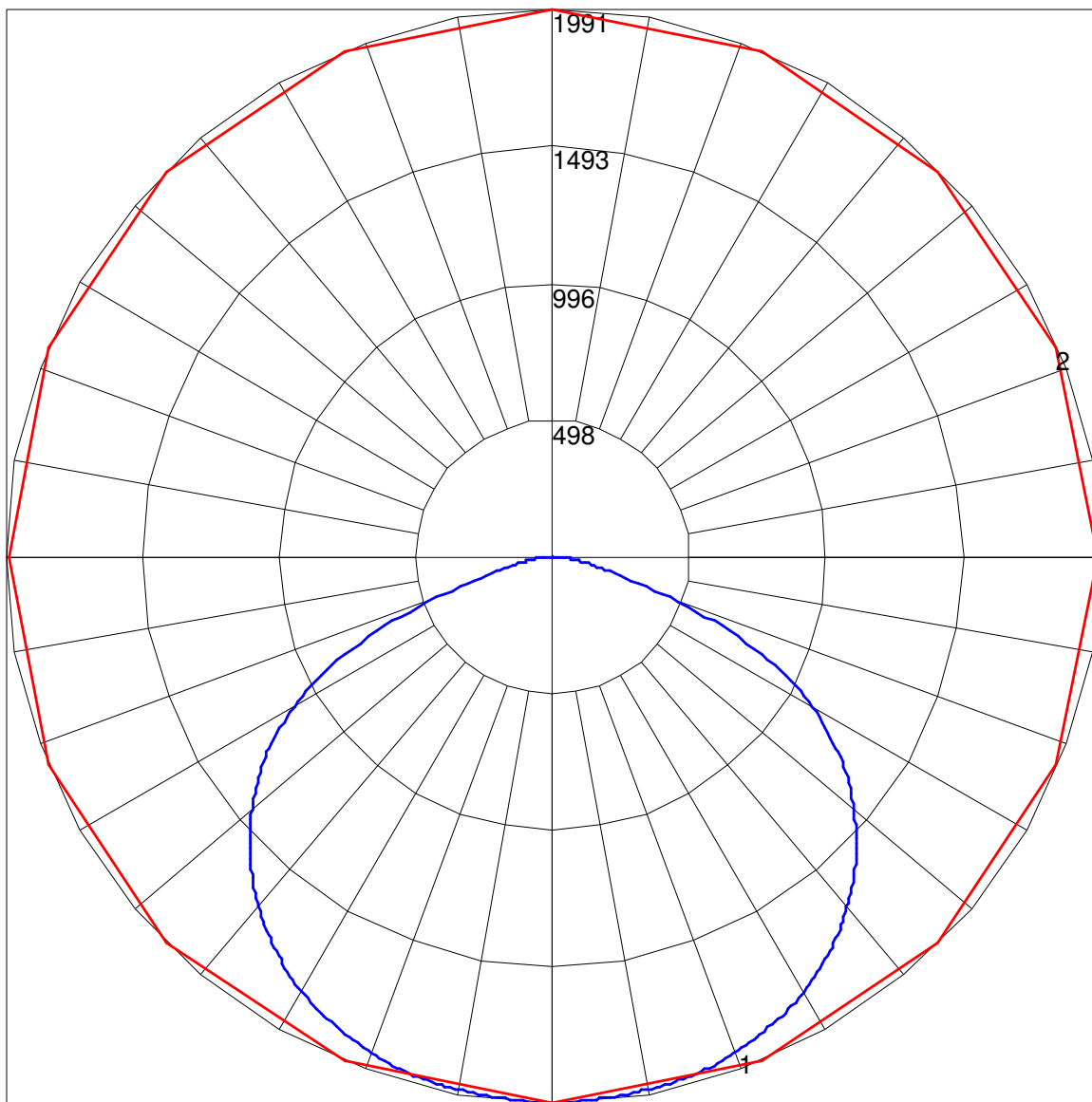
Reflectances

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	16.1	17.8	16.5	18.1	18.4	16.7	18.4	17.1	18.7	19.0
	3H	18.1	19.6	18.5	19.9	20.3	18.1	19.6	18.5	19.9	20.3
	4H	18.8	20.2	19.2	20.6	21.0	18.2	19.7	18.6	20.0	20.4
	6H	19.3	20.7	19.8	21.0	21.4	18.3	19.6	18.7	20.0	20.4
	8H	19.5	20.7	19.9	21.1	21.5	18.3	19.6	18.7	20.0	20.4
	12H	19.6	20.8	20.0	21.1	21.6	18.3	19.5	18.7	19.9	20.3
4H	2H	16.9	18.3	17.3	18.7	19.1	17.4	18.8	17.8	19.1	19.5
	3H	19.1	20.3	19.5	20.7	21.1	18.9	20.1	19.3	20.5	20.9
	4H	20.0	21.1	20.4	21.5	21.9	19.2	20.2	19.6	20.6	21.1
	6H	20.7	21.6	21.1	22.0	22.5	19.3	20.2	19.7	20.6	21.1
	8H	20.8	21.7	21.3	22.1	22.6	19.3	20.1	19.7	20.6	21.1
	12H	20.9	21.7	21.4	22.2	22.7	19.3	20.1	19.8	20.5	21.0
8H	4H	20.2	21.1	20.7	21.5	22.0	19.4	20.3	19.9	20.7	21.2
	6H	20.9	21.7	21.4	22.2	22.6	19.6	20.3	20.0	20.8	21.2
	8H	21.2	21.8	21.7	22.3	22.8	19.6	20.2	20.1	20.7	21.2
	12H	21.3	21.9	21.8	22.4	22.9	19.6	20.2	20.1	20.7	21.2
12H	4H	20.2	21.0	20.7	21.5	21.9	19.5	20.2	19.9	20.7	21.2
	6H	21.0	21.6	21.5	22.1	22.6	19.6	20.3	20.1	20.7	21.3
	8H	21.2	21.8	21.7	22.3	22.8	19.7	20.2	20.2	20.7	21.3

Maximum UGR = 22.9

POLAR GRAPH



Maximum Candela = 1991.109 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.)