



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L75-950-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-L75-950-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	6827
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
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	3114	3331	3467
55	3063	3391	3506
65	2986	3387	3117
75	2682	2307	1296
85	1809	945	786

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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	2181.829	2181.829	2181.829	2181.829	2181.829
0.5	2180.061	2181.829	2180.061	2183.596	2185.364
1.0	2179.178	2180.945	2179.178	2182.713	2185.364
1.5	2179.178	2180.945	2178.294	2182.713	2184.480
2.0	2178.294	2180.061	2178.294	2181.829	2183.596
2.5	2178.294	2179.178	2177.410	2180.945	2182.713
3.0	2177.410	2178.294	2175.643	2179.178	2181.829
3.5	2176.527	2177.410	2174.759	2178.294	2180.061
4.0	2176.527	2176.527	2172.992	2177.410	2179.178
4.5	2174.759	2174.759	2172.108	2176.527	2178.294
5.0	2173.876	2173.876	2170.341	2174.759	2176.527
5.5	2172.992	2172.108	2169.457	2173.876	2175.643
6.0	2171.225	2170.341	2167.690	2172.992	2174.759
6.5	2169.457	2167.690	2165.922	2171.225	2173.876
7.0	2167.690	2165.922	2165.039	2170.341	2172.992
7.5	2165.922	2164.155	2162.388	2168.574	2171.225
8.0	2163.271	2161.504	2160.620	2167.690	2170.341
8.5	2161.504	2158.853	2158.853	2165.922	2169.457
9.0	2158.853	2157.086	2157.086	2165.039	2168.574
9.5	2156.202	2154.434	2155.318	2163.271	2166.806
10.0	2152.667	2151.783	2152.667	2161.504	2165.922
10.5	2150.900	2148.249	2150.900	2160.620	2165.039
11.0	2147.365	2145.598	2148.249	2158.853	2163.271
11.5	2143.830	2142.063	2145.598	2157.086	2161.504
12.0	2140.295	2138.528	2142.947	2155.318	2160.620
12.5	2136.761	2134.993	2140.295	2153.551	2157.969
13.0	2132.342	2131.459	2137.644	2151.783	2157.086
13.5	2128.807	2127.924	2134.993	2149.132	2155.318
14.0	2124.389	2123.505	2131.459	2146.481	2153.551
14.5	2119.087	2119.971	2127.924	2143.830	2151.783
15.0	2115.552	2115.552	2124.389	2142.063	2149.132
15.5	2110.250	2110.250	2120.854	2138.528	2147.365
16.0	2105.832	2105.832	2117.320	2135.877	2143.830
16.5	2101.413	2101.413	2113.785	2132.342	2141.179
17.0	2096.111	2096.111	2109.366	2128.807	2138.528
17.5	2090.809	2091.693	2104.948	2125.273	2134.993
18.0	2085.507	2086.390	2101.413	2121.738	2131.459
18.5	2080.205	2081.972	2096.995	2117.320	2127.040
19.0	2074.019	2076.670	2092.576	2113.785	2122.622
19.5	2068.717	2070.484	2088.158	2109.366	2118.203
20.0	2062.531	2065.182	2083.739	2104.948	2113.785
20.5	2056.345	2059.880	2078.437	2100.529	2109.366
21.0	2050.159	2053.694	2073.135	2096.111	2104.064
21.5	2043.090	2047.508	2067.833	2090.809	2099.646
22.0	2036.904	2041.322	2062.531	2086.390	2095.227
22.5	2029.834	2035.136	2057.229	2081.088	2090.809
23.0	2023.648	2028.951	2051.927	2076.670	2086.390
23.5	2015.695	2021.881	2045.741	2071.368	2081.088
24.0	2007.742	2014.812	2039.555	2066.066	2076.670
24.5	2000.673	2007.742	2033.369	2061.647	2072.251
25.0	1992.719	2000.673	2028.067	2056.345	2066.949
25.5	1984.766	1992.719	2020.997	2051.043	2062.531
26.0	1976.813	1984.766	2014.812	2045.741	2058.112
26.5	1967.976	1976.813	2008.626	2040.439	2052.810

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CANDELA TABULATION - (Cont.)

27.0	1959.139	1968.860	2001.556	2035.136	2047.508
27.5	1950.302	1960.023	1995.370	2028.951	2042.206
28.0	1940.582	1952.070	1988.301	2022.765	2036.904
28.5	1931.745	1943.233	1981.231	2016.579	2030.718
29.0	1922.024	1934.396	1973.278	2009.509	2024.532
29.5	1912.304	1925.559	1966.209	2002.440	2017.463
30.0	1902.583	1916.722	1958.255	1995.370	2010.393
30.5	1891.979	1907.001	1950.302	1988.301	2003.324
31.0	1882.258	1898.165	1941.465	1980.348	1995.370
31.5	1872.538	1888.444	1933.512	1972.394	1987.417
32.0	1861.933	1879.607	1924.675	1964.441	1979.464
32.5	1851.329	1869.887	1915.838	1955.604	1971.511
33.0	1841.608	1859.282	1907.001	1947.651	1962.674
33.5	1830.121	1849.562	1898.165	1938.814	1954.721
34.0	1819.516	1838.957	1888.444	1929.977	1945.884
34.5	1808.028	1829.237	1878.723	1921.141	1937.047
35.0	1796.540	1818.633	1869.887	1912.304	1928.210
35.5	1785.936	1808.028	1860.166	1903.467	1919.373
36.0	1773.564	1797.424	1850.445	1893.746	1910.536
36.5	1761.193	1786.820	1839.841	1884.909	1900.816
37.0	1748.821	1775.332	1830.121	1875.189	1891.095
37.5	1737.333	1764.728	1819.516	1865.468	1881.374
38.0	1724.961	1752.356	1809.796	1854.864	1871.654
38.5	1712.590	1740.868	1799.191	1845.143	1861.933
39.0	1700.218	1729.380	1787.703	1834.539	1851.329
39.5	1687.847	1717.892	1777.099	1823.935	1840.725
40.0	1674.591	1706.404	1766.495	1813.330	1830.121
40.5	1662.220	1693.149	1755.007	1801.842	1819.516
41.0	1648.964	1680.777	1743.519	1790.354	1808.028
41.5	1635.709	1668.405	1731.147	1779.750	1796.540
42.0	1622.454	1656.034	1719.659	1767.379	1785.052
42.5	1609.198	1642.778	1707.288	1755.891	1772.681
43.0	1595.059	1629.523	1694.916	1744.403	1761.193
43.5	1580.920	1616.268	1682.544	1732.031	1748.821
44.0	1566.781	1603.012	1670.173	1719.659	1736.449
44.5	1552.642	1589.757	1656.917	1706.404	1724.078
45.0	1537.619	1575.618	1644.546	1694.032	1711.706
45.5	1523.480	1562.363	1632.174	1680.777	1698.451
46.0	1508.458	1548.224	1618.919	1667.522	1684.312
46.5	1493.435	1534.085	1605.663	1654.266	1671.056
47.0	1477.528	1519.946	1591.524	1640.127	1656.917
47.5	1462.506	1505.807	1578.269	1626.872	1643.662
48.0	1447.483	1491.668	1564.130	1612.733	1628.639
48.5	1431.577	1478.412	1550.875	1599.478	1614.500
49.0	1416.554	1463.389	1536.736	1585.339	1599.478
49.5	1401.531	1449.250	1522.597	1570.316	1584.455
50.0	1386.508	1435.111	1508.458	1555.293	1570.316
50.5	1370.602	1420.972	1494.319	1540.270	1555.293
51.0	1355.579	1405.950	1479.296	1525.248	1539.387
51.5	1339.673	1390.927	1465.157	1510.225	1523.480
52.0	1323.767	1375.904	1450.134	1494.319	1507.574
52.5	1307.860	1360.881	1435.111	1478.412	1491.668
53.0	1291.954	1345.859	1420.089	1462.506	1474.877
53.5	1276.047	1330.836	1405.066	1446.599	1457.204
54.0	1260.141	1315.813	1389.160	1429.809	1439.530
54.5	1243.351	1300.791	1374.137	1413.019	1421.856

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55.0	1226.561	1285.768	1358.230	1395.345	1404.182
55.5	1210.654	1269.862	1341.440	1377.672	1385.625
56.0	1193.864	1253.955	1325.534	1359.114	1367.067
56.5	1177.074	1238.049	1308.744	1341.440	1347.626
57.0	1160.284	1222.142	1291.954	1321.999	1327.301
57.5	1142.610	1206.236	1275.164	1303.442	1306.093
58.0	1125.820	1189.446	1258.374	1284.001	1285.768
58.5	1109.030	1173.539	1240.700	1264.559	1263.676
59.0	1092.240	1157.633	1223.026	1244.235	1242.467
59.5	1075.450	1141.727	1206.236	1223.026	1220.375
60.0	1057.776	1125.820	1188.562	1202.701	1196.515
60.5	1040.986	1109.914	1170.888	1181.493	1173.539
61.0	1023.312	1093.124	1154.098	1160.284	1148.796
61.5	1006.522	1077.217	1136.424	1138.192	1124.053
62.0	988.848	1060.427	1117.867	1116.100	1097.542
62.5	971.175	1044.521	1098.426	1092.240	1071.031
63.0	953.501	1027.731	1079.868	1068.380	1043.637
63.5	935.827	1010.057	1060.427	1043.637	1014.475
64.0	918.153	993.267	1040.986	1017.126	984.430
64.5	899.596	976.477	1019.777	990.616	953.501
65.0	881.127	958.803	999.453	961.454	919.921
65.5	862.481	941.129	978.244	930.525	884.573
66.0	843.216	922.572	955.268	898.712	847.370
66.5	823.775	904.014	932.292	866.457	809.724
67.0	804.511	884.573	909.316	831.375	770.312
67.5	784.716	865.927	884.573	796.116	730.634
68.0	764.656	846.751	858.593	759.354	693.078
68.5	744.597	827.133	832.259	722.504	655.344
69.0	724.095	807.250	805.041	685.831	614.871
69.5	705.007	787.456	777.205	649.247	573.868
70.0	687.334	767.484	748.662	610.011	534.367
70.5	670.278	746.983	720.914	570.775	495.838
71.0	649.688	726.923	691.487	531.981	459.077
71.5	628.657	709.426	661.441	493.717	424.348
72.0	607.890	688.747	630.601	456.956	390.591
72.5	587.123	670.455	595.695	421.343	358.248
73.0	566.180	650.219	561.054	388.205	329.086
73.5	546.032	628.922	524.735	357.541	302.398
74.0	525.707	607.448	489.034	328.291	277.920
74.5	505.470	585.267	452.891	301.161	255.298
75.0	484.615	562.910	417.013	276.065	234.178
75.5	464.555	539.934	382.461	252.824	215.355
76.0	445.203	516.428	348.969	231.703	197.681
76.5	424.878	493.187	317.510	212.527	181.863
77.0	405.260	469.062	288.525	194.942	167.459
77.5	384.935	444.849	261.837	179.212	154.292
78.0	365.494	419.929	237.182	165.162	142.893
78.5	345.964	393.595	214.913	151.995	132.288
79.0	326.435	367.261	195.295	139.976	122.214
79.5	307.170	340.485	177.268	129.107	113.377
80.0	288.259	313.179	161.008	119.121	105.513
80.5	269.260	285.255	146.339	110.196	98.355
81.0	249.907	257.861	132.818	101.889	91.815
81.5	230.908	230.466	120.447	94.378	85.453
82.0	212.439	204.221	109.312	87.309	79.002
82.5	194.147	180.184	99.238	80.416	72.904

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CANDELA TABULATION - (Cont.)

83.0	175.501	157.915	89.960	73.346	66.984
83.5	157.562	138.562	81.565	66.895	61.593
84.0	140.241	121.331	73.346	60.798	56.556
84.5	124.600	106.043	65.305	54.965	51.873
85.0	110.108	92.346	57.528	49.752	47.808
85.5	96.852	79.797	50.282	45.157	44.626
86.0	83.244	68.221	43.566	41.357	41.710
86.5	69.900	57.440	37.468	37.468	37.910
87.0	56.644	46.924	32.255	32.785	32.343
87.5	44.273	37.027	27.218	26.599	26.157
88.0	32.873	27.925	21.297	21.385	22.092
88.5	22.711	19.530	15.288	16.967	17.232
89.0	14.139	12.195	10.251	10.428	10.339
89.5	6.716	6.274	4.860	4.860	4.507
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-L75-950-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-L75-950-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-L75-950-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	808.47	N.A.	11.80
0-30	1744.46	N.A.	25.60
0-40	2912.38	N.A.	42.70
0-60	5367.72	N.A.	78.60
0-80	6739.91	N.A.	98.70
0-90	6826.66	N.A.	100.00
10-90	6619.72	N.A.	97.00
20-40	2103.91	N.A.	30.80
20-50	3364.84	N.A.	49.30
40-70	3388.22	N.A.	49.60
60-80	1372.19	N.A.	20.10
70-80	439.31	N.A.	6.40
80-90	86.74	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	6826.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.94
10-20	601.53
20-30	935.99
30-40	1167.92
40-50	1260.93
50-60	1194.41
60-70	932.88
70-80	439.31
80-90	86.74
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-L75-950-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

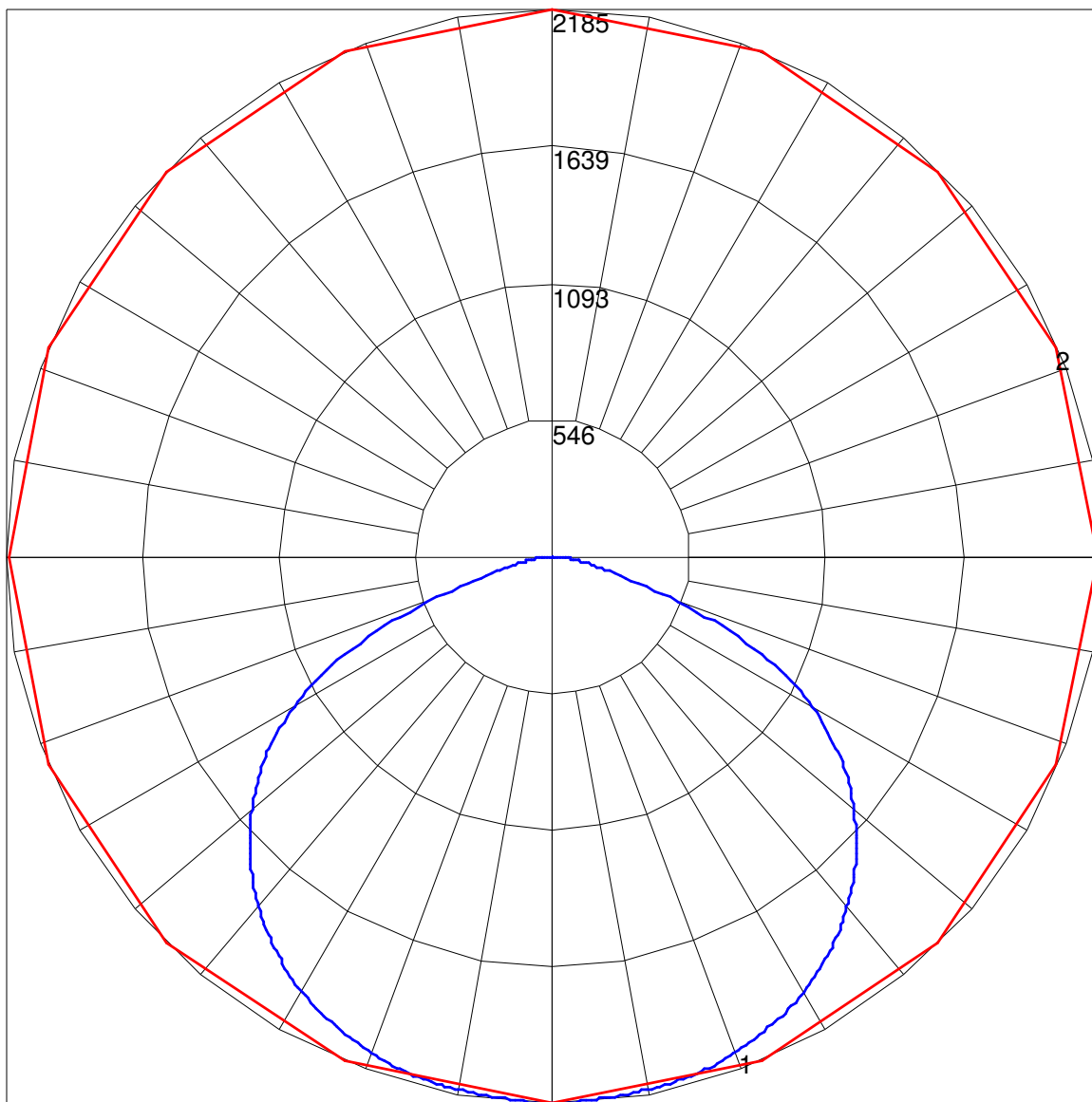
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L75-950-DIM-UNV_.IES

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	16.4	18.1	16.8	18.4	18.7	17.0	18.7	17.4	19.0	19.3
	3H	18.4	19.9	18.8	20.2	20.6	18.4	19.9	18.8	20.2	20.6
	4H	19.1	20.5	19.5	20.9	21.3	18.5	20.0	18.9	20.3	20.7
	6H	19.6	21.0	20.1	21.3	21.7	18.6	19.9	19.0	20.3	20.7
	8H	19.8	21.0	20.2	21.4	21.8	18.6	19.9	19.0	20.3	20.7
	12H	19.9	21.1	20.3	21.4	21.9	18.6	19.8	19.0	20.2	20.6
4H	2H	17.2	18.6	17.6	19.0	19.4	17.7	19.1	18.1	19.4	19.8
	3H	19.4	20.6	19.8	21.0	21.4	19.2	20.4	19.6	20.8	21.2
	4H	20.3	21.4	20.7	21.8	22.2	19.5	20.5	19.9	20.9	21.4
	6H	21.0	21.9	21.4	22.3	22.8	19.6	20.5	20.0	20.9	21.4
	8H	21.1	22.0	21.6	22.4	22.9	19.6	20.4	20.0	20.9	21.4
	12H	21.2	22.0	21.7	22.5	23.0	19.6	20.4	20.1	20.8	21.3
8H	4H	20.5	21.4	21.0	21.8	22.3	19.7	20.6	20.2	21.0	21.5
	6H	21.2	22.0	21.7	22.5	22.9	19.9	20.6	20.3	21.1	21.5
	8H	21.5	22.1	22.0	22.6	23.1	19.9	20.5	20.4	21.0	21.5
	12H	21.6	22.2	22.1	22.7	23.2	19.9	20.5	20.4	21.0	21.5
12H	4H	20.5	21.3	21.0	21.8	22.2	19.8	20.5	20.2	21.0	21.5
	6H	21.3	21.9	21.8	22.4	22.9	19.9	20.6	20.4	21.0	21.6
	8H	21.5	22.1	22.0	22.6	23.1	20.0	20.5	20.5	21.0	21.6

Maximum UGR = 23.2

POLAR GRAPH



Maximum Candela = 2185.364 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.)