



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L75-827-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-L75-827-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	7358
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	3356	3590	3736
55	3301	3655	3779
65	3218	3650	3360
75	2890	2487	1397
85	1950	1019	847

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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	2351.527	2351.527	2351.527	2351.527	2351.527
0.5	2349.622	2351.527	2349.622	2353.432	2355.336
1.0	2348.669	2350.574	2348.669	2352.479	2355.336
1.5	2348.669	2350.574	2347.717	2352.479	2354.384
2.0	2347.717	2349.622	2347.717	2351.527	2353.432
2.5	2347.717	2348.669	2346.765	2350.574	2352.479
3.0	2346.765	2347.717	2344.860	2348.669	2351.527
3.5	2345.812	2346.765	2343.907	2347.717	2349.622
4.0	2345.812	2345.812	2342.003	2346.765	2348.669
4.5	2343.907	2343.907	2341.050	2345.812	2347.717
5.0	2342.955	2342.955	2339.145	2343.907	2345.812
5.5	2342.003	2341.050	2338.193	2342.955	2344.860
6.0	2340.098	2339.145	2336.288	2342.003	2343.907
6.5	2338.193	2336.288	2334.383	2340.098	2342.955
7.0	2336.288	2334.383	2333.431	2339.145	2342.003
7.5	2334.383	2332.478	2330.573	2337.240	2340.098
8.0	2331.526	2329.621	2328.669	2336.288	2339.145
8.5	2329.621	2326.764	2326.764	2334.383	2338.193
9.0	2326.764	2324.859	2324.859	2333.431	2337.240
9.5	2323.907	2322.002	2322.954	2331.526	2335.336
10.0	2320.097	2319.144	2320.097	2329.621	2334.383
10.5	2318.192	2315.335	2318.192	2328.669	2333.431
11.0	2314.382	2312.477	2315.335	2326.764	2331.526
11.5	2310.573	2308.668	2312.477	2324.859	2329.621
12.0	2306.763	2304.858	2309.620	2322.954	2328.669
12.5	2302.953	2301.048	2306.763	2321.049	2325.811
13.0	2298.191	2297.239	2303.906	2319.144	2324.859
13.5	2294.381	2293.429	2301.048	2316.287	2322.954
14.0	2289.619	2288.667	2297.239	2313.430	2321.049
14.5	2283.905	2284.857	2293.429	2310.573	2319.144
15.0	2280.095	2280.095	2289.619	2308.668	2316.287
15.5	2274.381	2274.381	2285.810	2304.858	2314.382
16.0	2269.619	2269.619	2282.000	2302.001	2310.573
16.5	2264.856	2264.856	2278.190	2298.191	2307.715
17.0	2259.142	2259.142	2273.428	2294.381	2304.858
17.5	2253.427	2254.380	2268.666	2290.572	2301.048
18.0	2247.713	2248.665	2264.856	2286.762	2297.239
18.5	2241.998	2243.903	2260.094	2282.000	2292.477
19.0	2235.331	2238.189	2255.332	2278.190	2287.715
19.5	2229.617	2231.522	2250.570	2273.428	2282.952
20.0	2222.950	2225.807	2245.808	2268.666	2278.190
20.5	2216.283	2220.093	2240.094	2263.904	2273.428
21.0	2209.616	2213.426	2234.379	2259.142	2267.714
21.5	2201.997	2206.759	2228.664	2253.427	2262.952
22.0	2195.330	2200.092	2222.950	2248.665	2258.190
22.5	2187.710	2193.425	2217.235	2242.951	2253.427
23.0	2181.043	2186.758	2211.521	2238.189	2248.665
23.5	2172.472	2179.139	2204.854	2232.474	2242.951
24.0	2163.900	2171.519	2198.187	2226.760	2238.189
24.5	2156.280	2163.900	2191.520	2221.998	2233.427
25.0	2147.709	2156.280	2185.806	2216.283	2227.712
25.5	2139.137	2147.709	2178.186	2210.568	2222.950
26.0	2130.565	2139.137	2171.519	2204.854	2218.188
26.5	2121.041	2130.565	2164.852	2199.139	2212.473

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CANDELA TABULATION - (Cont.)

27.0	2111.517	2121.993	2157.233	2193.425	2206.759
27.5	2101.993	2112.469	2150.566	2186.758	2201.044
28.0	2091.516	2103.897	2142.947	2180.091	2195.330
28.5	2081.992	2094.373	2135.327	2173.424	2188.663
29.0	2071.515	2084.849	2126.755	2165.805	2181.996
29.5	2061.038	2075.325	2119.136	2158.185	2174.376
30.0	2050.562	2065.801	2110.564	2150.566	2166.757
30.5	2039.133	2055.324	2101.993	2142.947	2159.138
31.0	2028.656	2045.800	2092.468	2134.375	2150.566
31.5	2018.179	2035.323	2083.897	2125.803	2141.994
32.0	2006.750	2025.799	2074.372	2117.231	2133.422
32.5	1995.321	2015.322	2064.848	2107.707	2124.851
33.0	1984.845	2003.893	2055.324	2099.135	2115.326
33.5	1972.463	1993.417	2045.800	2089.611	2106.755
34.0	1961.034	1981.988	2035.323	2080.087	2097.230
34.5	1948.653	1971.511	2024.846	2070.563	2087.706
35.0	1936.271	1960.082	2015.322	2061.038	2078.182
35.5	1924.842	1948.653	2004.846	2051.514	2068.658
36.0	1911.508	1937.224	1994.369	2041.038	2059.134
36.5	1898.174	1925.795	1982.940	2031.513	2048.657
37.0	1884.841	1913.413	1972.463	2021.037	2038.180
37.5	1872.459	1901.984	1961.034	2010.560	2027.704
38.0	1859.125	1888.650	1950.558	1999.131	2017.227
38.5	1845.791	1876.269	1939.129	1988.654	2006.750
39.0	1832.457	1863.887	1926.747	1977.225	1995.321
39.5	1819.124	1851.506	1915.318	1965.796	1983.892
40.0	1804.837	1839.124	1903.889	1954.367	1972.463
40.5	1791.503	1824.838	1891.508	1941.986	1961.034
41.0	1777.217	1811.504	1879.126	1929.604	1948.653
41.5	1762.931	1798.170	1865.792	1918.175	1936.271
42.0	1748.644	1784.836	1853.411	1904.841	1923.890
42.5	1734.358	1770.550	1840.077	1892.460	1910.556
43.0	1719.119	1756.264	1826.743	1880.078	1898.174
43.5	1703.881	1741.977	1813.409	1866.745	1884.841
44.0	1688.642	1727.691	1800.075	1853.411	1871.507
44.5	1673.403	1713.405	1785.789	1839.124	1858.173
45.0	1657.212	1698.166	1772.455	1825.791	1844.839
45.5	1641.973	1683.880	1759.121	1811.504	1830.553
46.0	1625.782	1668.641	1744.835	1797.218	1815.314
46.5	1609.591	1653.402	1730.548	1782.932	1801.028
47.0	1592.447	1638.164	1715.310	1767.693	1785.789
47.5	1576.256	1622.925	1701.023	1753.407	1771.503
48.0	1560.065	1607.686	1685.785	1738.168	1755.311
48.5	1542.922	1593.400	1671.498	1723.881	1740.073
49.0	1526.730	1577.209	1656.260	1708.643	1723.881
49.5	1510.539	1561.970	1641.021	1692.452	1707.690
50.0	1494.348	1546.731	1625.782	1676.260	1692.452
50.5	1477.205	1531.493	1610.543	1660.069	1676.260
51.0	1461.013	1515.301	1594.352	1643.878	1659.117
51.5	1443.870	1499.110	1579.114	1627.687	1641.973
52.0	1426.726	1482.919	1562.922	1610.543	1624.830
52.5	1409.583	1466.728	1546.731	1593.400	1607.686
53.0	1392.439	1450.537	1530.540	1576.256	1589.590
53.5	1375.296	1434.346	1514.349	1559.113	1570.542
54.0	1358.152	1418.154	1497.205	1541.017	1551.493
54.5	1340.056	1401.963	1481.014	1522.921	1532.445

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55.0	1321.960	1385.772	1463.871	1503.872	1513.397
55.5	1304.816	1368.629	1445.775	1484.824	1493.396
56.0	1286.720	1351.485	1428.631	1464.823	1473.395
56.5	1268.624	1334.341	1410.535	1445.775	1452.442
57.0	1250.528	1317.198	1392.439	1424.821	1430.536
57.5	1231.480	1300.054	1374.343	1404.821	1407.678
58.0	1213.384	1281.958	1356.247	1383.867	1385.772
58.5	1195.288	1264.815	1337.199	1362.914	1361.962
59.0	1177.192	1247.671	1318.150	1341.008	1339.104
59.5	1159.096	1230.528	1300.054	1318.150	1315.293
60.0	1140.048	1213.384	1281.006	1296.245	1289.578
60.5	1121.952	1196.240	1261.957	1273.386	1264.815
61.0	1102.903	1178.144	1243.861	1250.528	1238.147
61.5	1084.807	1161.001	1224.813	1226.718	1211.479
62.0	1065.759	1142.905	1204.812	1202.907	1182.907
62.5	1046.710	1125.761	1183.859	1177.192	1154.334
63.0	1027.662	1107.665	1163.858	1151.477	1124.809
63.5	1008.614	1088.617	1142.905	1124.809	1093.379
64.0	989.565	1070.521	1121.952	1096.236	1060.997
64.5	969.564	1052.425	1099.094	1067.664	1027.662
65.0	949.659	1033.376	1077.188	1036.234	991.470
65.5	929.563	1014.328	1054.330	1002.899	953.373
66.0	908.800	994.327	1029.567	968.612	913.276
66.5	887.847	974.326	1004.804	933.849	872.703
67.0	867.084	953.373	980.041	896.037	830.225
67.5	845.750	933.277	953.373	858.036	787.461
68.0	824.130	912.610	925.372	818.415	746.984
68.5	802.510	891.466	896.990	778.699	706.315
69.0	780.414	870.036	867.655	739.174	662.694
69.5	759.841	848.702	837.654	699.743	618.502
70.0	740.793	827.177	806.891	657.456	575.929
70.5	722.411	805.081	776.985	615.169	534.403
71.0	700.220	783.461	745.269	573.357	494.783
71.5	677.552	764.603	712.887	532.117	457.352
72.0	655.170	742.317	679.647	492.497	420.970
72.5	632.788	722.602	642.027	454.114	386.111
73.0	610.216	700.791	604.692	418.398	354.681
73.5	588.501	677.838	565.547	385.349	325.918
74.0	566.595	654.694	527.070	353.824	299.536
74.5	544.785	630.788	488.116	324.585	275.154
75.0	522.308	606.692	449.447	297.536	252.391
75.5	500.688	581.929	412.208	272.488	232.105
76.0	479.830	556.595	376.111	249.725	213.057
76.5	457.924	531.546	342.205	229.057	196.008
77.0	436.780	505.545	310.965	210.104	180.484
77.5	414.874	479.449	282.202	193.151	166.293
78.0	393.921	452.590	255.630	178.007	154.006
78.5	372.873	424.208	231.629	163.816	142.577
79.0	351.824	395.826	210.485	150.863	131.720
79.5	331.061	366.968	191.056	139.149	122.196
80.0	310.680	337.538	173.531	128.386	113.719
80.5	290.203	307.441	157.721	118.767	106.004
81.0	269.345	277.916	143.149	109.814	98.957
81.5	248.868	248.391	129.815	101.719	92.099
82.0	228.962	220.104	117.814	94.099	85.146
82.5	209.247	194.199	106.957	86.670	78.575

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CANDELA TABULATION - (Cont.)

83.0	189.151	170.198	96.956	79.051	72.193
83.5	169.817	149.340	87.908	72.098	66.384
84.0	151.149	130.767	79.051	65.527	60.955
84.5	134.291	114.290	70.384	59.241	55.907
85.0	118.672	99.528	62.003	53.621	51.526
85.5	104.385	86.004	54.193	48.669	48.097
86.0	89.718	73.527	46.954	44.573	44.954
86.5	75.336	61.907	40.383	40.383	40.859
87.0	61.050	50.574	34.763	35.335	34.859
87.5	47.716	39.906	29.335	28.668	28.192
88.0	35.430	30.096	22.953	23.049	23.811
88.5	24.477	21.048	16.477	18.286	18.572
89.0	15.239	13.143	11.048	11.239	11.143
89.5	7.238	6.762	5.238	5.238	4.857
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-L75-827-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-L75-827-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-L75-827-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	871.35	N.A.	11.80
0-30	1880.14	N.A.	25.60
0-40	3138.9	N.A.	42.70
0-60	5785.21	N.A.	78.60
0-80	7264.13	N.A.	98.70
0-90	7357.62	N.A.	100.00
10-90	7134.58	N.A.	97.00
20-40	2267.55	N.A.	30.80
20-50	3626.55	N.A.	49.30
40-70	3651.75	N.A.	49.60
60-80	1478.92	N.A.	20.10
70-80	473.48	N.A.	6.40
80-90	93.49	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	7357.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	223.04
10-20	648.31
20-30	1008.79
30-40	1258.76
40-50	1359.00
50-60	1287.31
60-70	1005.44
70-80	473.48
80-90	93.49
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-L75-827-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-L75-827-DIM-UNV_.IES

UGR TABLE - CORRECTED

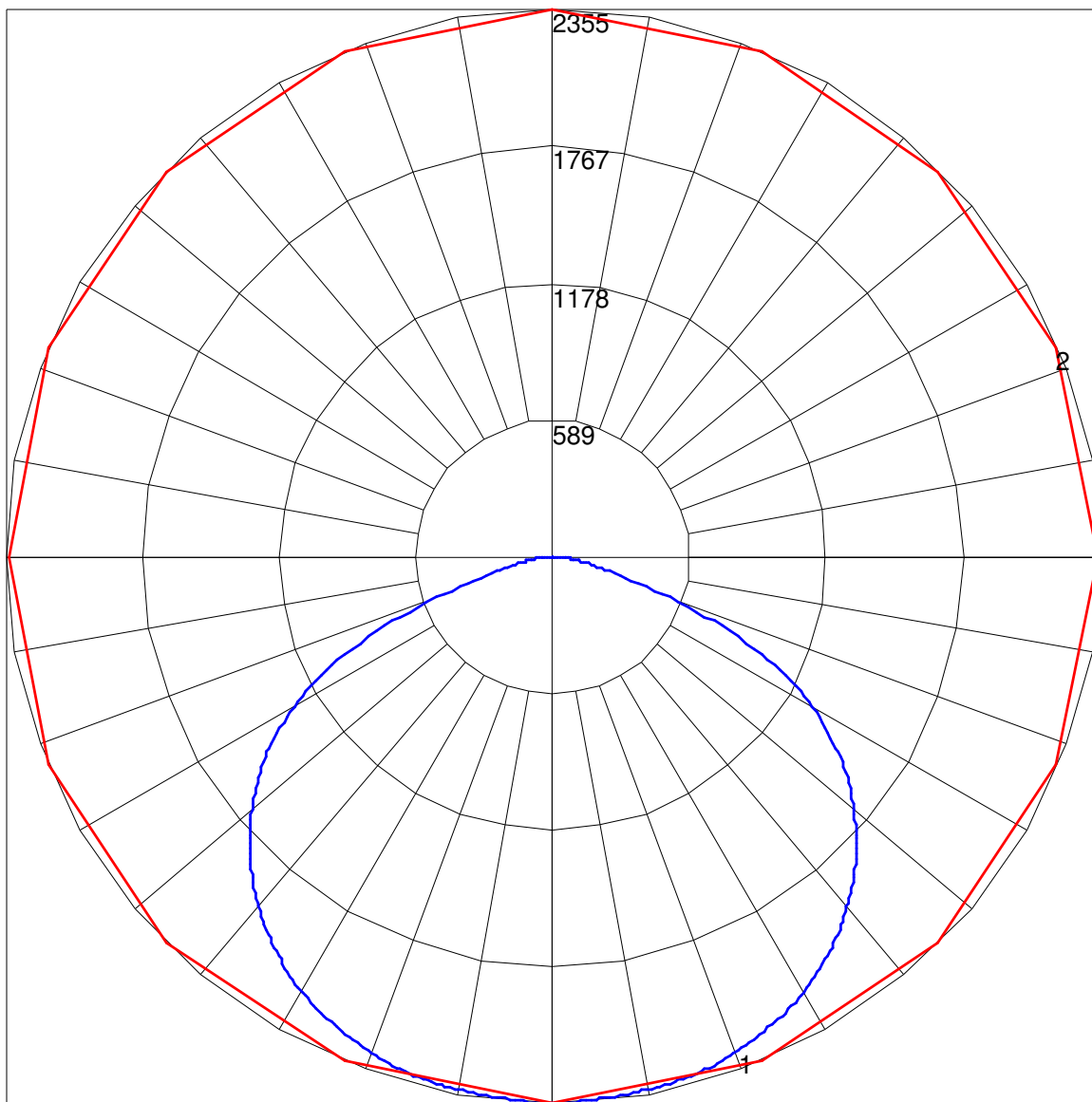
Reflectances

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	16.6	18.3	17.0	18.6	18.9	17.2	18.9	17.6	19.2	19.5
	3H	18.6	20.1	19.0	20.4	20.8	18.6	20.1	19.0	20.4	20.8
	4H	19.3	20.7	19.7	21.1	21.5	18.7	20.2	19.1	20.5	20.9
	6H	19.8	21.2	20.3	21.5	21.9	18.8	20.1	19.2	20.5	20.9
	8H	20.0	21.2	20.4	21.6	22.0	18.8	20.1	19.2	20.5	20.9
	12H	20.1	21.3	20.5	21.6	22.1	18.8	20.0	19.2	20.4	20.8
4H	2H	17.4	18.8	17.8	19.2	19.6	17.9	19.3	18.3	19.6	20.0
	3H	19.6	20.8	20.0	21.2	21.6	19.4	20.6	19.8	21.0	21.4
	4H	20.5	21.6	20.9	22.0	22.4	19.7	20.7	20.1	21.1	21.6
	6H	21.2	22.1	21.6	22.5	23.0	19.8	20.7	20.2	21.1	21.6
	8H	21.3	22.2	21.8	22.6	23.1	19.8	20.6	20.2	21.1	21.6
	12H	21.4	22.2	21.9	22.7	23.2	19.8	20.6	20.3	21.0	21.5
8H	4H	20.7	21.6	21.2	22.0	22.5	19.9	20.8	20.4	21.2	21.7
	6H	21.4	22.2	21.9	22.7	23.1	20.1	20.8	20.5	21.3	21.7
	8H	21.7	22.3	22.2	22.8	23.3	20.1	20.7	20.6	21.2	21.7
	12H	21.8	22.4	22.3	22.9	23.4	20.1	20.7	20.6	21.2	21.7
12H	4H	20.7	21.5	21.2	22.0	22.4	20.0	20.7	20.4	21.2	21.7
	6H	21.5	22.1	22.0	22.6	23.1	20.1	20.8	20.6	21.2	21.8
	8H	21.7	22.3	22.2	22.8	23.3	20.2	20.7	20.7	21.2	21.8

Maximum UGR = 23.4

POLAR GRAPH



Maximum Candela = 2355.336 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.)