



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L75-850-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-L75-850-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	8040
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	3668	3923	4083
55	3607	3994	4129
65	3517	3989	3672
75	3158	2718	1526
85	2131	1113	925

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L75-850-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2569.710	2569.710	2569.710	2569.710	2569.710
0.5	2567.629	2569.710	2567.629	2571.792	2573.874
1.0	2566.588	2568.670	2566.588	2570.751	2573.874
1.5	2566.588	2568.670	2565.547	2570.751	2572.833
2.0	2565.547	2567.629	2565.547	2569.710	2571.792
2.5	2565.547	2566.588	2564.506	2568.670	2570.751
3.0	2564.506	2565.547	2562.425	2566.588	2569.710
3.5	2563.466	2564.506	2561.384	2565.547	2567.629
4.0	2563.466	2563.466	2559.303	2564.506	2566.588
4.5	2561.384	2561.384	2558.262	2563.466	2565.547
5.0	2560.343	2560.343	2556.180	2561.384	2563.466
5.5	2559.303	2558.262	2555.139	2560.343	2562.425
6.0	2557.221	2556.180	2553.058	2559.303	2561.384
6.5	2555.139	2553.058	2550.976	2557.221	2560.343
7.0	2553.058	2550.976	2549.935	2556.180	2559.303
7.5	2550.976	2548.895	2546.813	2554.099	2557.221
8.0	2547.854	2545.772	2544.731	2553.058	2556.180
8.5	2545.772	2542.650	2542.650	2550.976	2555.139
9.0	2542.650	2540.568	2540.568	2549.935	2554.099
9.5	2539.528	2537.446	2538.487	2547.854	2552.017
10.0	2535.364	2534.324	2535.364	2545.772	2550.976
10.5	2533.283	2530.160	2533.283	2544.731	2549.935
11.0	2529.120	2527.038	2530.160	2542.650	2547.854
11.5	2524.956	2522.875	2527.038	2540.568	2545.772
12.0	2520.793	2518.712	2523.916	2538.487	2544.731
12.5	2516.630	2514.549	2520.793	2536.405	2541.609
13.0	2511.426	2510.385	2517.671	2534.324	2540.568
13.5	2507.263	2506.222	2514.549	2531.201	2538.487
14.0	2502.059	2501.018	2510.385	2528.079	2536.405
14.5	2495.814	2496.855	2506.222	2524.956	2534.324
15.0	2491.651	2491.651	2502.059	2522.875	2531.201
15.5	2485.406	2485.406	2497.896	2518.712	2529.120
16.0	2480.202	2480.202	2493.733	2515.589	2524.956
16.5	2474.999	2474.999	2489.570	2511.426	2521.834
17.0	2468.754	2468.754	2484.366	2507.263	2518.712
17.5	2462.509	2463.550	2479.162	2503.100	2514.549
18.0	2456.264	2457.305	2474.999	2498.937	2510.385
18.5	2450.020	2452.101	2469.795	2493.733	2505.181
19.0	2442.734	2445.856	2464.591	2489.570	2499.977
19.5	2436.489	2438.571	2459.387	2484.366	2494.774
20.0	2429.204	2432.326	2454.183	2479.162	2489.570
20.5	2421.918	2426.081	2447.938	2473.958	2484.366
21.0	2414.633	2418.796	2441.693	2468.754	2478.121
21.5	2406.306	2411.510	2435.449	2462.509	2472.917
22.0	2399.021	2404.225	2429.204	2457.305	2467.713
22.5	2390.695	2396.939	2422.959	2451.060	2462.509
23.0	2383.409	2389.654	2416.714	2445.856	2457.305
23.5	2374.042	2381.327	2409.429	2439.612	2451.060
24.0	2364.675	2373.001	2402.143	2433.367	2445.856
24.5	2356.348	2364.675	2394.858	2428.163	2440.652
25.0	2346.981	2356.348	2388.613	2421.918	2434.408
25.5	2337.614	2346.981	2380.287	2415.674	2429.204
26.0	2328.247	2337.614	2373.001	2409.429	2424.000
26.5	2317.839	2328.247	2365.716	2403.184	2417.755

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L75-850-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	2307.431	2318.880	2357.389	2396.939	2411.510
27.5	2297.023	2308.472	2350.104	2389.654	2405.266
28.0	2285.575	2299.105	2341.777	2382.368	2399.021
28.5	2275.167	2288.697	2333.451	2375.083	2391.735
29.0	2263.718	2278.289	2324.084	2366.756	2384.450
29.5	2252.269	2267.881	2315.758	2358.430	2376.123
30.0	2240.821	2257.473	2306.391	2350.104	2367.797
30.5	2228.331	2246.025	2297.023	2341.777	2359.471
31.0	2216.883	2235.617	2286.616	2332.410	2350.104
31.5	2205.434	2224.168	2277.248	2323.043	2340.737
32.0	2192.944	2213.760	2266.841	2313.676	2331.370
32.5	2180.455	2202.312	2256.433	2303.268	2322.002
33.0	2169.006	2189.822	2246.025	2293.901	2311.595
33.5	2155.476	2178.373	2235.617	2283.493	2302.227
34.0	2142.987	2165.884	2224.168	2273.085	2291.819
34.5	2129.456	2154.435	2212.719	2262.677	2281.412
35.0	2115.926	2141.946	2202.312	2252.269	2271.004
35.5	2103.437	2129.456	2190.863	2241.862	2260.596
36.0	2088.865	2116.967	2179.414	2230.413	2250.188
36.5	2074.294	2104.477	2166.925	2220.005	2238.739
37.0	2059.723	2090.947	2155.476	2208.556	2227.291
37.5	2046.193	2078.458	2142.987	2197.108	2215.842
38.0	2031.622	2063.886	2131.538	2184.618	2204.393
38.5	2017.051	2050.356	2119.048	2173.169	2192.944
39.0	2002.480	2036.826	2105.518	2160.680	2180.455
39.5	1987.909	2023.296	2093.029	2148.190	2167.965
40.0	1972.297	2009.765	2080.539	2135.701	2155.476
40.5	1957.726	1994.154	2067.009	2122.171	2142.987
41.0	1942.114	1979.583	2053.479	2108.640	2129.456
41.5	1926.502	1965.011	2038.908	2096.151	2115.926
42.0	1910.890	1950.440	2025.377	2081.580	2102.396
42.5	1895.279	1934.829	2010.806	2068.050	2087.825
43.0	1878.626	1919.217	1996.235	2054.519	2074.294
43.5	1861.973	1903.605	1981.664	2039.948	2059.723
44.0	1845.321	1887.993	1967.093	2025.377	2045.152
44.5	1828.668	1872.381	1951.481	2009.765	2030.581
45.0	1810.975	1855.729	1936.910	1995.194	2016.010
45.5	1794.322	1840.117	1922.339	1979.583	2000.398
46.0	1776.628	1823.464	1906.727	1963.971	1983.746
46.5	1758.935	1806.811	1891.115	1948.359	1968.134
47.0	1740.201	1790.159	1874.463	1931.706	1951.481
47.5	1722.507	1773.506	1858.851	1916.094	1935.869
48.0	1704.814	1756.853	1842.198	1899.442	1918.176
48.5	1686.080	1741.242	1826.586	1883.830	1901.523
49.0	1668.386	1723.548	1809.934	1867.177	1883.830
49.5	1650.693	1706.896	1793.281	1849.484	1866.136
50.0	1632.999	1690.243	1776.628	1831.790	1849.484
50.5	1614.265	1673.590	1759.976	1814.097	1831.790
51.0	1596.572	1655.897	1742.282	1796.403	1813.056
51.5	1577.838	1638.203	1725.630	1778.710	1794.322
52.0	1559.103	1620.510	1707.936	1759.976	1775.588
52.5	1540.369	1602.817	1690.243	1741.242	1756.853
53.0	1521.635	1585.123	1672.549	1722.507	1737.078
53.5	1502.901	1567.430	1654.856	1703.773	1716.263
54.0	1484.166	1549.736	1636.122	1683.998	1695.447
54.5	1464.391	1532.043	1618.428	1664.223	1674.631

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L75-850-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	1444.616	1514.349	1599.694	1643.407	1653.815
55.5	1425.882	1495.615	1579.919	1622.592	1631.959
56.0	1406.107	1476.881	1561.185	1600.735	1610.102
56.5	1386.332	1458.147	1541.410	1579.919	1587.205
57.0	1366.557	1439.413	1521.635	1557.022	1563.267
57.5	1345.741	1420.678	1501.860	1535.165	1538.288
58.0	1325.966	1400.903	1482.085	1512.268	1514.349
58.5	1306.191	1382.169	1461.269	1489.370	1488.330
59.0	1286.416	1363.435	1440.453	1465.432	1463.351
59.5	1266.641	1344.701	1420.678	1440.453	1437.331
60.0	1245.826	1325.966	1399.862	1416.515	1409.230
60.5	1226.051	1307.232	1379.047	1391.536	1382.169
61.0	1205.235	1287.457	1359.272	1366.557	1353.027
61.5	1185.460	1268.723	1338.456	1340.537	1323.885
62.0	1164.644	1248.948	1316.599	1314.518	1292.661
62.5	1143.828	1230.214	1293.702	1286.416	1261.437
63.0	1123.012	1210.439	1271.845	1258.315	1229.173
63.5	1102.197	1189.623	1248.948	1229.173	1194.827
64.0	1081.381	1169.848	1226.051	1197.949	1159.440
64.5	1059.524	1150.073	1201.072	1166.726	1123.012
65.0	1037.772	1129.257	1177.133	1132.379	1083.462
65.5	1015.811	1108.441	1152.154	1095.952	1041.831
66.0	993.122	1086.585	1125.094	1058.483	998.013
66.5	970.224	1064.728	1098.033	1020.495	953.676
67.0	947.535	1041.831	1070.973	979.175	907.257
67.5	924.221	1019.870	1041.831	937.648	860.525
68.0	900.596	997.285	1011.232	894.351	816.292
68.5	876.970	974.179	980.216	850.950	771.850
69.0	852.823	950.762	948.160	807.757	724.182
69.5	830.342	927.448	915.375	764.668	675.889
70.0	809.526	903.926	881.757	718.457	629.366
70.5	789.439	879.780	849.076	672.246	583.987
71.0	765.189	856.154	814.418	626.556	540.690
71.5	740.418	835.546	779.031	581.489	499.787
72.0	715.959	811.192	742.708	538.192	460.029
72.5	691.501	789.647	701.597	496.249	421.936
73.0	666.834	765.813	660.798	457.219	387.590
73.5	643.104	740.730	618.021	421.104	356.158
74.0	619.166	715.439	575.973	386.653	327.328
74.5	595.332	689.315	533.405	354.701	300.684
75.0	570.769	662.983	491.149	325.143	275.809
75.5	547.143	635.923	450.454	297.770	253.641
76.0	524.350	608.238	411.008	272.895	232.825
76.5	500.412	580.865	373.956	250.310	214.195
77.0	477.306	552.451	339.818	229.598	197.230
77.5	453.368	523.934	308.386	211.072	181.722
78.0	430.471	494.583	279.348	194.524	168.296
78.5	407.469	463.568	253.120	179.016	155.806
79.0	384.468	432.552	230.015	164.861	143.941
79.5	361.779	401.016	208.782	152.059	133.533
80.0	339.506	368.856	189.632	140.298	124.270
80.5	317.129	335.967	172.355	129.787	115.840
81.0	294.335	303.703	156.431	120.003	108.138
81.5	271.958	271.438	141.860	111.156	100.644
82.0	250.206	240.527	128.746	102.830	93.047
82.5	228.662	212.217	116.881	94.712	85.865

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L75-850-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	206.701	185.989	105.952	86.386	78.892
83.5	185.573	163.196	96.065	78.788	72.543
84.0	165.173	142.900	86.386	71.606	66.611
84.5	146.751	124.895	76.914	64.737	61.094
85.0	129.682	108.763	67.755	58.596	56.307
85.5	114.071	93.983	59.221	53.184	52.560
86.0	98.042	80.349	51.311	48.709	49.125
86.5	82.326	67.651	44.129	44.129	44.650
87.0	66.715	55.266	37.989	38.613	38.093
87.5	52.144	43.609	32.056	31.328	30.807
88.0	38.717	32.889	25.083	25.187	26.020
88.5	26.748	23.001	18.006	19.983	20.295
89.0	16.653	14.363	12.073	12.281	12.177
89.5	7.910	7.390	5.724	5.724	5.308
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L75-850-DIM-UNV_.IES

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-L75-850-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-L75-850-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-L75-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	952.20	N.A.	11.80
0-30	2054.59	N.A.	25.60
0-40	3430.14	N.A.	42.70
0-60	6321.98	N.A.	78.60
0-80	7938.12	N.A.	98.70
0-90	8040.29	N.A.	100.00
10-90	7796.56	N.A.	97.00
20-40	2477.94	N.A.	30.80
20-50	3963.04	N.A.	49.30
40-70	3990.57	N.A.	49.60
60-80	1616.14	N.A.	20.10
70-80	517.41	N.A.	6.40
80-90	102.17	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	8040.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	243.73
10-20	708.47
20-30	1102.39
30-40	1375.56
40-50	1485.09
50-60	1406.75
60-70	1098.73
70-80	517.41
80-90	102.17
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-L75-850-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	43	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-L75-850-DIM-UNV_.IES

UGR TABLE - CORRECTED

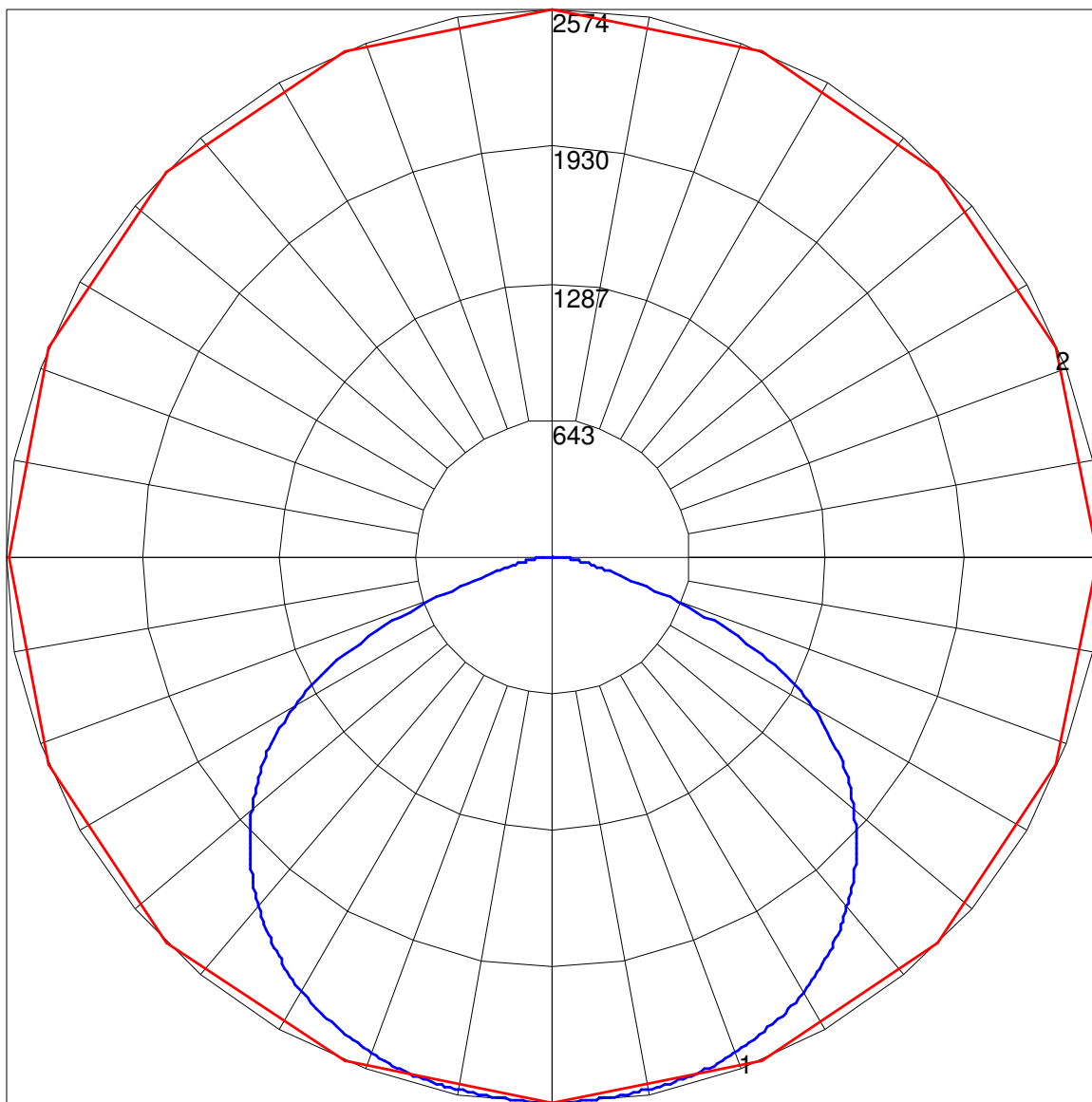
Reflectances

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	16.9	18.6	17.3	18.9	19.2	17.5	19.2	17.9	19.5	19.8
	3H	18.9	20.4	19.3	20.7	21.1	18.9	20.4	19.3	20.7	21.1
	4H	19.6	21.0	20.0	21.4	21.8	19.0	20.5	19.4	20.8	21.2
	6H	20.1	21.5	20.6	21.8	22.2	19.1	20.4	19.5	20.8	21.2
	8H	20.3	21.5	20.7	21.9	22.3	19.1	20.4	19.5	20.8	21.2
	12H	20.4	21.6	20.8	21.9	22.4	19.1	20.3	19.5	20.7	21.1
4H	2H	17.7	19.1	18.1	19.5	19.9	18.2	19.6	18.6	19.9	20.3
	3H	19.9	21.1	20.3	21.5	21.9	19.7	20.9	20.1	21.3	21.7
	4H	20.8	21.9	21.2	22.3	22.7	20.0	21.0	20.4	21.4	21.9
	6H	21.5	22.4	21.9	22.8	23.3	20.1	21.0	20.5	21.4	21.9
	8H	21.6	22.5	22.1	22.9	23.4	20.1	20.9	20.5	21.4	21.9
	12H	21.7	22.5	22.2	23.0	23.5	20.1	20.9	20.6	21.3	21.8
8H	4H	21.0	21.9	21.5	22.3	22.8	20.2	21.1	20.7	21.5	22.0
	6H	21.7	22.5	22.2	23.0	23.4	20.4	21.1	20.8	21.6	22.0
	8H	22.0	22.6	22.5	23.1	23.6	20.4	21.0	20.9	21.5	22.0
	12H	22.1	22.7	22.6	23.2	23.7	20.4	21.0	20.9	21.5	22.0
12H	4H	21.0	21.8	21.5	22.3	22.7	20.3	21.0	20.7	21.5	22.0
	6H	21.8	22.4	22.3	22.9	23.4	20.4	21.1	20.9	21.5	22.1
	8H	22.0	22.6	22.5	23.1	23.6	20.5	21.0	21.0	21.5	22.1

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 2573.874 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.)