



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L75-935-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-L75-935-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	6372
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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	2907	3109	3236
55	2858	3165	3272
65	2787	3161	2910
75	2503	2154	1209
85	1689	882	733

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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	2036.374	2036.374	2036.374	2036.374	2036.374
0.5	2034.724	2036.374	2034.724	2038.023	2039.673
1.0	2033.899	2035.549	2033.899	2037.198	2039.673
1.5	2033.899	2035.549	2033.075	2037.198	2038.848
2.0	2033.075	2034.724	2033.075	2036.374	2038.023
2.5	2033.075	2033.899	2032.250	2035.549	2037.198
3.0	2032.250	2033.075	2030.600	2033.899	2036.374
3.5	2031.425	2032.250	2029.775	2033.075	2034.724
4.0	2031.425	2031.425	2028.126	2032.250	2033.899
4.5	2029.775	2029.775	2027.301	2031.425	2033.075
5.0	2028.951	2028.951	2025.652	2029.775	2031.425
5.5	2028.126	2027.301	2024.827	2028.951	2030.600
6.0	2026.476	2025.652	2023.177	2028.126	2029.775
6.5	2024.827	2023.177	2021.528	2026.476	2028.951
7.0	2023.177	2021.528	2020.703	2025.652	2028.126
7.5	2021.528	2019.878	2018.229	2024.002	2026.476
8.0	2019.053	2017.404	2016.579	2023.177	2025.652
8.5	2017.404	2014.930	2014.930	2021.528	2024.827
9.0	2014.930	2013.280	2013.280	2020.703	2024.002
9.5	2012.455	2010.806	2011.630	2019.053	2022.352
10.0	2009.156	2008.331	2009.156	2017.404	2021.528
10.5	2007.507	2005.032	2007.507	2016.579	2020.703
11.0	2004.207	2002.558	2005.032	2014.930	2019.053
11.5	2000.908	1999.259	2002.558	2013.280	2017.404
12.0	1997.609	1995.960	2000.084	2011.630	2016.579
12.5	1994.310	1992.661	1997.609	2009.981	2014.105
13.0	1990.186	1989.361	1995.135	2008.331	2013.280
13.5	1986.887	1986.062	1992.661	2005.857	2011.630
14.0	1982.763	1981.938	1989.361	2003.383	2009.981
14.5	1977.815	1978.639	1986.062	2000.908	2008.331
15.0	1974.515	1974.515	1982.763	1999.259	2005.857
15.5	1969.567	1969.567	1979.464	1995.960	2004.207
16.0	1965.443	1965.443	1976.165	1993.485	2000.908
16.5	1961.319	1961.319	1972.866	1990.186	1998.434
17.0	1956.370	1956.370	1968.742	1986.887	1995.960
17.5	1951.422	1952.246	1964.618	1983.588	1992.661
18.0	1946.473	1947.298	1961.319	1980.289	1989.361
18.5	1941.524	1943.174	1957.195	1976.165	1985.238
19.0	1935.751	1938.225	1953.071	1972.866	1981.114
19.5	1930.802	1932.452	1948.947	1968.742	1976.990
20.0	1925.029	1927.503	1944.823	1964.618	1972.866
20.5	1919.255	1922.555	1939.875	1960.494	1968.742
21.0	1913.482	1916.781	1934.926	1956.370	1963.793
21.5	1906.884	1911.008	1929.977	1951.422	1959.669
22.0	1901.110	1905.234	1925.029	1947.298	1955.546
22.5	1894.512	1899.461	1920.080	1942.349	1951.422
23.0	1888.739	1893.687	1915.132	1938.225	1947.298
23.5	1881.316	1887.089	1909.358	1933.277	1942.349
24.0	1873.893	1880.491	1903.585	1928.328	1938.225
24.5	1867.294	1873.893	1897.811	1924.204	1934.101
25.0	1859.871	1867.294	1892.863	1919.255	1929.153
25.5	1852.448	1859.871	1886.264	1914.307	1925.029
26.0	1845.025	1852.448	1880.491	1909.358	1920.905
26.5	1836.778	1845.025	1874.717	1904.409	1915.956

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CANDELA TABULATION - (Cont.)

27.0	1828.530	1837.603	1868.119	1899.461	1911.008
27.5	1820.282	1829.355	1862.346	1893.687	1906.059
28.0	1811.210	1821.932	1855.748	1887.914	1901.110
28.5	1802.962	1813.684	1849.149	1882.140	1895.337
29.0	1793.889	1805.436	1841.726	1875.542	1889.563
29.5	1784.817	1797.188	1835.128	1868.944	1882.965
30.0	1775.744	1788.941	1827.705	1862.346	1876.367
30.5	1765.847	1779.868	1820.282	1855.748	1869.769
31.0	1756.774	1771.620	1812.034	1848.325	1862.346
31.5	1747.702	1762.548	1804.611	1840.902	1854.923
32.0	1737.805	1754.300	1796.364	1833.479	1847.500
32.5	1727.907	1745.228	1788.116	1825.231	1840.077
33.0	1718.835	1735.330	1779.868	1817.808	1831.829
33.5	1708.113	1726.258	1771.620	1809.560	1824.406
34.0	1698.215	1716.360	1762.548	1801.312	1816.158
34.5	1687.493	1707.288	1753.475	1793.065	1807.911
35.0	1676.771	1697.390	1745.228	1784.817	1799.663
35.5	1666.874	1687.493	1736.155	1776.569	1791.415
36.0	1655.327	1677.596	1727.082	1767.496	1783.167
36.5	1643.780	1667.699	1717.185	1759.249	1774.095
37.0	1632.233	1656.976	1708.113	1750.176	1765.022
37.5	1621.511	1647.079	1698.215	1741.104	1755.950
38.0	1609.964	1635.532	1689.143	1731.206	1746.877
38.5	1598.417	1624.810	1679.245	1722.134	1737.805
39.0	1586.870	1614.088	1668.523	1712.236	1727.907
39.5	1575.324	1603.366	1658.626	1702.339	1718.010
40.0	1562.952	1592.644	1648.729	1692.442	1708.113
40.5	1551.405	1580.272	1638.007	1681.720	1698.215
41.0	1539.033	1568.725	1627.284	1670.998	1687.493
41.5	1526.662	1557.178	1615.738	1661.100	1676.771
42.0	1514.290	1545.632	1605.015	1649.553	1666.049
42.5	1501.918	1533.260	1593.469	1638.831	1654.502
43.0	1488.722	1520.888	1581.922	1628.109	1643.780
43.5	1475.526	1508.517	1570.375	1616.562	1632.233
44.0	1462.329	1496.145	1558.828	1605.015	1620.686
44.5	1449.133	1483.773	1546.456	1592.644	1609.139
45.0	1435.111	1470.577	1534.909	1581.097	1597.592
45.5	1421.915	1458.205	1523.363	1568.725	1585.221
46.0	1407.894	1445.009	1510.991	1556.354	1572.024
46.5	1393.873	1431.812	1498.619	1543.982	1559.653
47.0	1379.027	1418.616	1485.423	1530.786	1546.456
47.5	1365.005	1405.420	1473.051	1518.414	1534.085
48.0	1350.984	1392.223	1459.855	1505.217	1520.063
48.5	1336.138	1379.851	1447.483	1492.846	1506.867
49.0	1322.117	1365.830	1434.287	1479.649	1492.846
49.5	1308.096	1352.634	1421.090	1465.628	1478.825
50.0	1294.075	1339.437	1407.894	1451.607	1465.628
50.5	1279.229	1326.241	1394.697	1437.586	1451.607
51.0	1265.207	1312.220	1380.676	1423.565	1436.761
51.5	1250.361	1298.199	1367.480	1409.543	1421.915
52.0	1235.516	1284.177	1353.459	1394.697	1407.069
52.5	1220.670	1270.156	1339.437	1379.851	1392.223
53.0	1205.824	1256.135	1325.416	1365.005	1376.552
53.5	1190.978	1242.114	1311.395	1350.159	1360.057
54.0	1176.132	1228.093	1296.549	1334.489	1343.561
54.5	1160.461	1214.071	1282.528	1318.818	1327.066

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CANDELA TABULATION - (Cont.)

55.0	1144.790	1200.050	1267.682	1302.322	1310.570
55.5	1129.944	1185.204	1252.011	1285.827	1293.250
56.0	1114.273	1170.358	1237.165	1268.507	1275.930
56.5	1098.603	1155.512	1221.494	1252.011	1257.784
57.0	1082.932	1140.666	1205.824	1233.866	1238.815
57.5	1066.436	1125.820	1190.153	1216.546	1219.020
58.0	1050.766	1110.149	1174.482	1198.401	1200.050
58.5	1035.095	1095.303	1157.986	1180.255	1179.431
59.0	1019.424	1080.457	1141.491	1161.286	1159.636
59.5	1003.753	1065.612	1125.820	1141.491	1139.017
60.0	987.258	1050.766	1109.325	1122.521	1116.748
60.5	971.587	1035.920	1092.829	1102.726	1095.303
61.0	955.091	1020.249	1077.158	1082.932	1072.210
61.5	939.421	1005.403	1060.663	1062.312	1049.116
62.0	922.925	989.732	1043.343	1041.693	1024.373
62.5	906.430	974.886	1025.197	1019.424	999.629
63.0	889.934	959.215	1007.877	997.155	974.061
63.5	873.439	942.720	989.732	974.061	946.844
64.0	856.943	927.049	971.587	949.318	918.801
64.5	839.623	911.378	951.792	924.575	889.934
65.0	822.385	894.883	932.822	897.357	858.593
65.5	804.982	878.387	913.028	868.490	825.601
66.0	787.002	861.067	891.584	838.798	790.878
66.5	768.857	843.747	870.139	808.694	755.743
67.0	750.877	825.601	848.695	775.950	718.958
67.5	732.402	808.199	825.601	743.041	681.925
68.0	713.679	790.301	801.353	708.731	646.872
68.5	694.957	771.991	776.775	674.337	611.654
69.0	675.822	753.434	751.372	640.109	573.880
69.5	658.007	734.959	725.391	605.963	535.610
70.0	641.511	716.319	698.751	569.343	498.742
70.5	625.593	697.184	672.853	532.723	462.782
71.0	606.376	678.461	645.388	496.516	428.472
71.5	586.746	662.131	617.345	460.803	396.058
72.0	567.364	642.831	588.561	426.492	364.551
72.5	547.982	625.758	555.982	393.254	334.364
73.0	528.434	606.871	523.651	362.324	307.147
73.5	509.630	586.994	489.752	333.705	282.239
74.0	490.660	566.952	456.431	306.405	259.392
74.5	471.772	546.250	422.698	281.084	238.278
75.0	452.308	525.383	389.212	257.660	218.566
75.5	433.585	503.939	356.963	235.969	200.998
76.0	415.523	482.000	325.704	216.256	184.503
76.5	396.553	460.308	296.342	198.359	169.739
77.0	378.243	437.791	269.290	181.946	156.295
77.5	359.273	415.193	244.381	167.265	144.006
78.0	341.128	391.934	221.370	154.151	133.366
78.5	322.900	367.356	200.586	141.862	123.469
79.0	304.673	342.777	182.276	130.645	114.067
79.5	286.692	317.786	165.450	120.500	105.819
80.0	269.042	292.301	150.274	111.180	98.478
80.5	251.309	266.238	136.583	102.850	91.798
81.0	233.247	240.670	123.964	95.097	85.694
81.5	215.514	215.102	112.417	88.086	79.756
82.0	198.276	190.606	102.025	81.488	73.735
82.5	181.203	168.172	92.622	75.055	68.044

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CANDELA TABULATION - (Cont.)

83.0	163.801	147.388	83.962	68.456	62.518
83.5	147.058	129.325	76.127	62.436	57.487
84.0	130.892	113.242	68.456	56.745	52.786
84.5	116.294	98.973	60.951	51.301	48.414
85.0	102.767	86.189	53.693	46.435	44.620
85.5	90.396	74.477	46.930	42.146	41.651
86.0	77.694	63.673	40.661	38.600	38.929
86.5	65.240	53.610	34.971	34.971	35.383
87.0	52.868	43.796	30.104	30.599	30.187
87.5	41.321	34.558	25.403	24.826	24.413
88.0	30.682	26.063	19.877	19.960	20.619
88.5	21.197	18.228	14.269	15.836	16.083
89.0	13.196	11.382	9.567	9.732	9.650
89.5	6.268	5.856	4.536	4.536	4.206
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-L75-935-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-L75-935-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-L75-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	754.57	N.A.	11.80
0-30	1628.16	N.A.	25.60
0-40	2718.22	N.A.	42.70
0-60	5009.87	N.A.	78.60
0-80	6290.59	N.A.	98.70
0-90	6371.55	N.A.	100.00
10-90	6178.4	N.A.	97.00
20-40	1963.65	N.A.	30.80
20-50	3140.52	N.A.	49.30
40-70	3162.34	N.A.	49.60
60-80	1280.71	N.A.	20.10
70-80	410.02	N.A.	6.40
80-90	80.96	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	6371.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.15
10-20	561.43
20-30	873.59
30-40	1090.06
40-50	1176.87
50-60	1114.78
60-70	870.69
70-80	410.02
80-90	80.96
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-L75-935-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-L75-935-DIM-UNV_.IES

UGR TABLE - CORRECTED

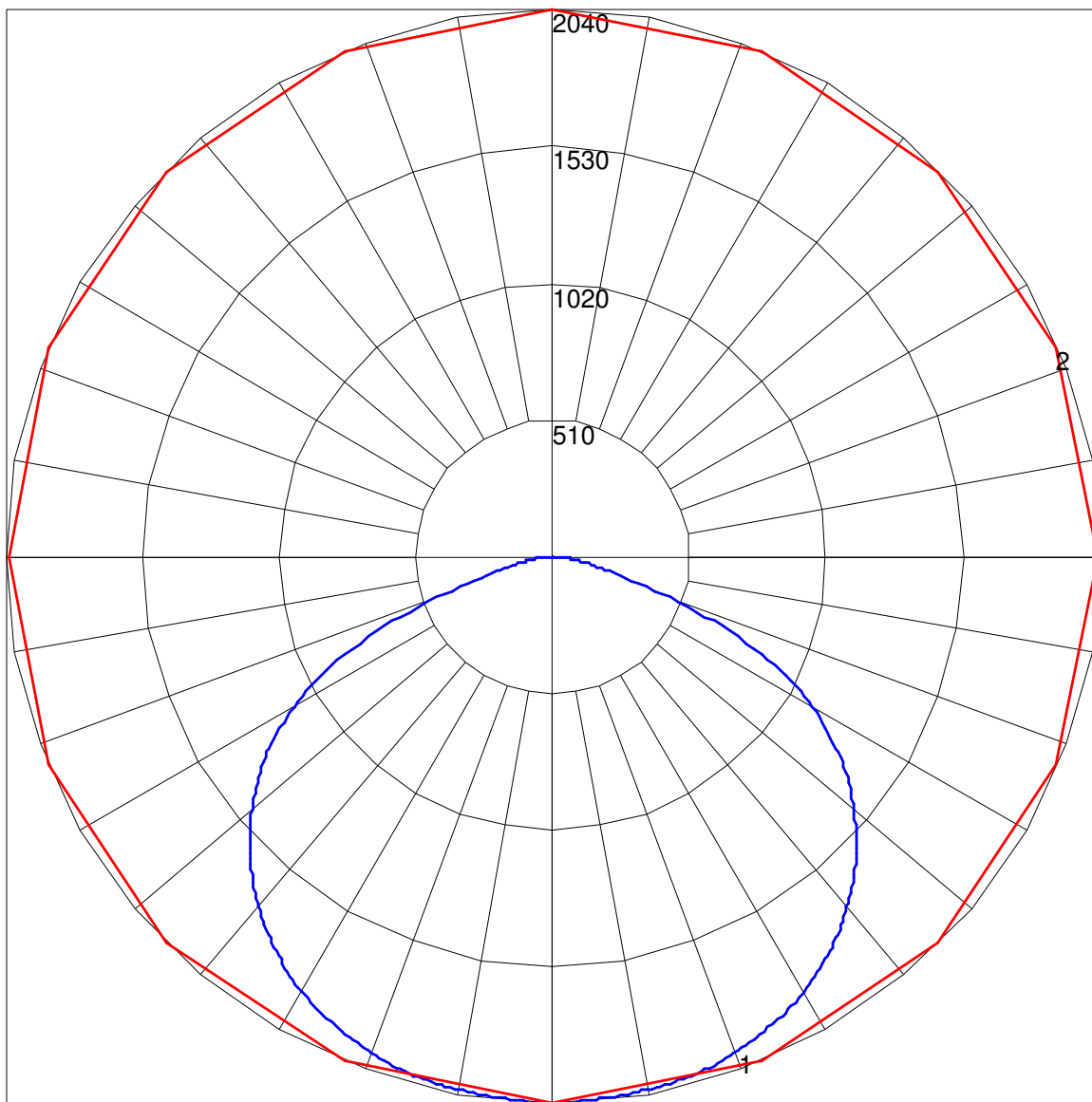
Reflectances

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	19.5	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 = 2039.673 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.)