



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L75-930-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-L75-930-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	6296
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
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	2872	3072	3197
55	2824	3128	3233
65	2754	3123	2875
75	2473	2128	1195
85	1669	872	724

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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	2012.131	2012.131	2012.131	2012.131	2012.131
0.5	2010.501	2012.131	2010.501	2013.761	2015.391
1.0	2009.686	2011.316	2009.686	2012.946	2015.391
1.5	2009.686	2011.316	2008.871	2012.946	2014.576
2.0	2008.871	2010.501	2008.871	2012.131	2013.761
2.5	2008.871	2009.686	2008.056	2011.316	2012.946
3.0	2008.056	2008.871	2006.426	2009.686	2012.131
3.5	2007.241	2008.056	2005.611	2008.871	2010.501
4.0	2007.241	2007.241	2003.982	2008.056	2009.686
4.5	2005.611	2005.611	2003.167	2007.241	2008.871
5.0	2004.796	2004.796	2001.537	2005.611	2007.241
5.5	2003.982	2003.167	2000.722	2004.796	2006.426
6.0	2002.352	2001.537	1999.092	2003.982	2005.611
6.5	2000.722	1999.092	1997.462	2002.352	2004.796
7.0	1999.092	1997.462	1996.647	2001.537	2003.982
7.5	1997.462	1995.832	1994.202	1999.907	2002.352
8.0	1995.017	1993.387	1992.572	1999.092	2001.537
8.5	1993.387	1990.942	1990.942	1997.462	2000.722
9.0	1990.942	1989.312	1989.312	1996.647	1999.907
9.5	1988.497	1986.867	1987.682	1995.017	1998.277
10.0	1985.237	1984.423	1985.237	1993.387	1997.462
10.5	1983.608	1981.163	1983.608	1992.572	1996.647
11.0	1980.348	1978.718	1981.163	1990.942	1995.017
11.5	1977.088	1975.458	1978.718	1989.312	1993.387
12.0	1973.828	1972.198	1976.273	1987.682	1992.572
12.5	1970.568	1968.938	1973.828	1986.052	1990.127
13.0	1966.493	1965.678	1971.383	1984.423	1989.312
13.5	1963.234	1962.419	1968.938	1981.978	1987.682
14.0	1959.159	1958.344	1965.678	1979.533	1986.052
14.5	1954.269	1955.084	1962.419	1977.088	1984.423
15.0	1951.009	1951.009	1959.159	1975.458	1981.978
15.5	1946.120	1946.120	1955.899	1972.198	1980.348
16.0	1942.045	1942.045	1952.639	1969.753	1977.088
16.5	1937.970	1937.970	1949.379	1966.493	1974.643
17.0	1933.080	1933.080	1945.305	1963.234	1972.198
17.5	1928.190	1929.005	1941.230	1959.974	1968.938
18.0	1923.301	1924.116	1937.970	1956.714	1965.678
18.5	1918.411	1920.041	1933.895	1952.639	1961.604
19.0	1912.706	1915.151	1929.820	1949.379	1957.529
19.5	1907.816	1909.446	1925.746	1945.305	1953.454
20.0	1902.112	1904.557	1921.671	1941.230	1949.379
20.5	1896.407	1899.667	1916.781	1937.155	1945.305
21.0	1890.702	1893.962	1911.891	1933.080	1940.415
21.5	1884.183	1888.257	1907.002	1928.190	1936.340
22.0	1878.478	1882.553	1902.112	1924.116	1932.265
22.5	1871.958	1876.848	1897.222	1919.226	1928.190
23.0	1866.254	1871.143	1892.332	1915.151	1924.116
23.5	1858.919	1864.624	1886.628	1910.261	1919.226
24.0	1851.584	1858.104	1880.923	1905.372	1915.151
24.5	1845.065	1851.584	1875.218	1901.297	1911.076
25.0	1837.730	1845.065	1870.328	1896.407	1906.187
25.5	1830.395	1837.730	1863.809	1891.517	1902.112
26.0	1823.061	1830.395	1858.104	1886.628	1898.037
26.5	1814.911	1823.061	1852.399	1881.738	1893.147

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CANDELA TABULATION - (Cont.)

27.0	1806.762	1815.726	1845.880	1876.848	1888.257
27.5	1798.612	1807.577	1840.175	1871.143	1883.368
28.0	1789.648	1800.242	1833.655	1865.439	1878.478
28.5	1781.498	1792.092	1827.136	1859.734	1872.773
29.0	1772.533	1783.943	1819.801	1853.214	1867.069
29.5	1763.569	1775.793	1813.281	1846.695	1860.549
30.0	1754.604	1767.644	1805.947	1840.175	1854.029
30.5	1744.825	1758.679	1798.612	1833.655	1847.510
31.0	1735.860	1750.530	1790.463	1826.321	1840.175
31.5	1726.896	1741.565	1783.128	1818.986	1832.840
32.0	1717.116	1733.415	1774.978	1811.651	1825.506
32.5	1707.337	1724.451	1766.829	1803.502	1818.171
33.0	1698.372	1714.671	1758.679	1796.167	1810.022
33.5	1687.778	1705.707	1750.530	1788.018	1802.687
34.0	1677.998	1695.927	1741.565	1779.868	1794.537
34.5	1667.404	1686.963	1732.601	1771.719	1786.388
35.0	1656.809	1677.183	1724.451	1763.569	1778.238
35.5	1647.030	1667.404	1715.486	1755.419	1770.089
36.0	1635.621	1657.624	1706.522	1746.455	1761.939
36.5	1624.211	1647.845	1696.742	1738.305	1752.974
37.0	1612.802	1637.250	1687.778	1729.341	1744.010
37.5	1602.207	1627.471	1677.998	1720.376	1735.045
38.0	1590.798	1616.062	1669.034	1710.597	1726.081
38.5	1579.388	1605.467	1659.254	1701.632	1717.116
39.0	1567.979	1594.873	1648.660	1691.853	1707.337
39.5	1556.570	1584.278	1638.880	1682.073	1697.557
40.0	1544.345	1573.684	1629.101	1672.294	1687.778
40.5	1532.936	1561.459	1618.506	1661.699	1677.998
41.0	1520.711	1550.050	1607.912	1651.105	1667.404
41.5	1508.487	1538.641	1596.503	1641.325	1656.809
42.0	1496.263	1527.231	1585.908	1629.916	1646.215
42.5	1484.038	1515.007	1574.499	1619.321	1634.806
43.0	1470.999	1502.782	1563.089	1608.727	1624.211
43.5	1457.960	1490.558	1551.680	1597.318	1612.802
44.0	1444.920	1478.334	1540.270	1585.908	1601.392
44.5	1431.881	1466.109	1528.046	1573.684	1589.983
45.0	1418.027	1453.070	1516.637	1562.274	1578.573
45.5	1404.987	1440.846	1505.227	1550.050	1566.349
46.0	1391.133	1427.806	1493.003	1537.826	1553.310
46.5	1377.279	1414.767	1480.779	1525.601	1541.085
47.0	1362.610	1401.728	1467.739	1512.562	1528.046
47.5	1348.755	1388.688	1455.515	1500.338	1515.822
48.0	1334.901	1375.649	1442.476	1487.298	1501.967
48.5	1320.232	1363.425	1430.251	1475.074	1488.928
49.0	1306.378	1349.570	1417.212	1462.035	1475.074
49.5	1292.523	1336.531	1404.172	1448.180	1461.220
50.0	1278.669	1323.492	1391.133	1434.326	1448.180
50.5	1264.000	1310.452	1378.094	1420.472	1434.326
51.0	1250.145	1296.598	1364.240	1406.617	1419.657
51.5	1235.476	1282.744	1351.200	1392.763	1404.987
52.0	1220.807	1268.889	1337.346	1378.094	1390.318
52.5	1206.138	1255.035	1323.492	1363.425	1375.649
53.0	1191.468	1241.181	1309.637	1348.755	1360.165
53.5	1176.799	1227.327	1295.783	1334.086	1343.866
54.0	1162.130	1213.472	1281.114	1318.602	1327.566
54.5	1146.646	1199.618	1267.260	1303.118	1311.267

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55.0	1131.162	1185.764	1252.590	1286.819	1294.968
55.5	1116.492	1171.095	1237.106	1270.519	1277.854
56.0	1101.008	1156.425	1222.437	1253.405	1260.740
56.5	1085.524	1141.756	1206.953	1237.106	1242.811
57.0	1070.040	1127.087	1191.468	1219.177	1224.067
57.5	1053.741	1112.418	1175.984	1202.063	1204.508
58.0	1038.256	1096.933	1160.500	1184.134	1185.764
58.5	1022.772	1082.264	1144.201	1166.205	1165.390
59.0	1007.288	1067.595	1127.902	1147.461	1145.831
59.5	991.804	1052.926	1112.418	1127.902	1125.457
60.0	975.505	1038.256	1096.118	1109.158	1103.453
60.5	960.020	1023.587	1079.819	1089.599	1082.264
61.0	943.721	1008.103	1064.335	1070.040	1059.445
61.5	928.237	993.434	1048.036	1049.666	1036.626
62.0	911.938	977.950	1030.922	1029.292	1012.178
62.5	895.639	963.280	1012.993	1007.288	987.729
63.0	879.340	947.796	995.879	985.284	962.465
63.5	863.040	931.497	977.950	962.465	935.572
64.0	846.741	916.013	960.020	938.017	907.863
64.5	829.627	900.528	940.461	913.568	879.340
65.0	812.595	884.229	921.717	886.674	848.371
65.5	795.399	867.930	902.158	858.151	815.773
66.0	777.633	850.816	880.970	828.812	781.463
66.5	759.704	833.702	859.781	799.066	746.746
67.0	741.938	815.773	838.592	766.712	710.399
67.5	723.683	798.577	815.773	734.196	673.807
68.0	705.183	780.893	791.813	700.293	639.171
68.5	686.684	762.801	767.527	666.310	604.373
69.0	667.777	744.464	742.427	632.489	567.048
69.5	650.173	726.209	716.755	598.750	529.234
70.0	633.874	707.791	690.432	562.565	492.805
70.5	618.146	688.884	664.843	526.381	457.273
71.0	599.157	670.384	637.705	490.605	423.371
71.5	579.761	654.248	609.996	455.317	391.343
72.0	560.610	635.178	581.554	421.415	360.211
72.5	541.458	618.309	549.363	388.572	330.384
73.0	522.144	599.646	517.417	358.011	303.490
73.5	503.562	580.006	483.922	329.732	278.879
74.0	484.818	560.202	450.998	302.757	256.304
74.5	466.156	539.747	417.666	277.738	235.441
75.0	446.923	519.128	384.579	254.593	215.964
75.5	428.423	497.939	352.714	233.159	198.605
76.0	410.576	476.261	321.827	213.682	182.306
76.5	391.832	454.828	292.814	195.997	167.718
77.0	373.740	432.580	266.084	179.780	154.435
77.5	354.996	410.250	241.472	165.273	142.292
78.0	337.067	387.268	218.735	152.316	131.779
78.5	319.056	362.982	198.198	140.173	121.999
79.0	301.045	338.697	180.106	129.089	112.709
79.5	283.279	314.003	163.481	119.065	104.559
80.0	265.839	288.821	148.485	109.856	97.306
80.5	248.318	263.068	134.957	101.625	90.705
81.0	230.470	237.805	122.488	93.965	84.674
81.5	212.949	212.541	111.079	87.038	78.806
82.0	195.916	188.337	100.810	80.518	72.857
82.5	179.046	166.170	91.520	74.161	67.234

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CANDELA TABULATION - (Cont.)

83.0	161.851	145.633	82.963	67.642	61.774
83.5	145.307	127.785	75.221	61.692	56.803
84.0	129.334	111.894	67.642	56.069	52.157
84.5	114.909	97.795	60.225	50.690	47.838
85.0	101.544	85.163	53.054	45.882	44.089
85.5	89.319	73.591	46.371	41.644	41.155
86.0	76.769	62.915	40.177	38.140	38.466
86.5	64.463	52.972	34.554	34.554	34.962
87.0	52.239	43.274	29.746	30.235	29.827
87.5	40.829	34.147	25.101	24.530	24.123
88.0	30.316	25.753	19.640	19.722	20.374
88.5	20.944	18.011	14.099	15.647	15.892
89.0	13.039	11.246	9.454	9.617	9.535
89.5	6.194	5.786	4.482	4.482	4.156
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-L75-930-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-L75-930-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-L75-930-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	745.59	N.A.	11.80
0-30	1608.78	N.A.	25.60
0-40	2685.86	N.A.	42.70
0-60	4950.23	N.A.	78.60
0-80	6215.7	N.A.	98.70
0-90	6295.7	N.A.	100.00
10-90	6104.85	N.A.	97.00
20-40	1940.28	N.A.	30.80
20-50	3103.13	N.A.	49.30
40-70	3124.69	N.A.	49.60
60-80	1265.47	N.A.	20.10
70-80	405.14	N.A.	6.40
80-90	80.00	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	6295.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.85
10-20	554.74
20-30	863.19
30-40	1077.09
40-50	1162.86
50-60	1101.51
60-70	860.33
70-80	405.14
80-90	80.00
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-L75-930-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-L75-930-DIM-UNV_.IES

UGR TABLE - CORRECTED

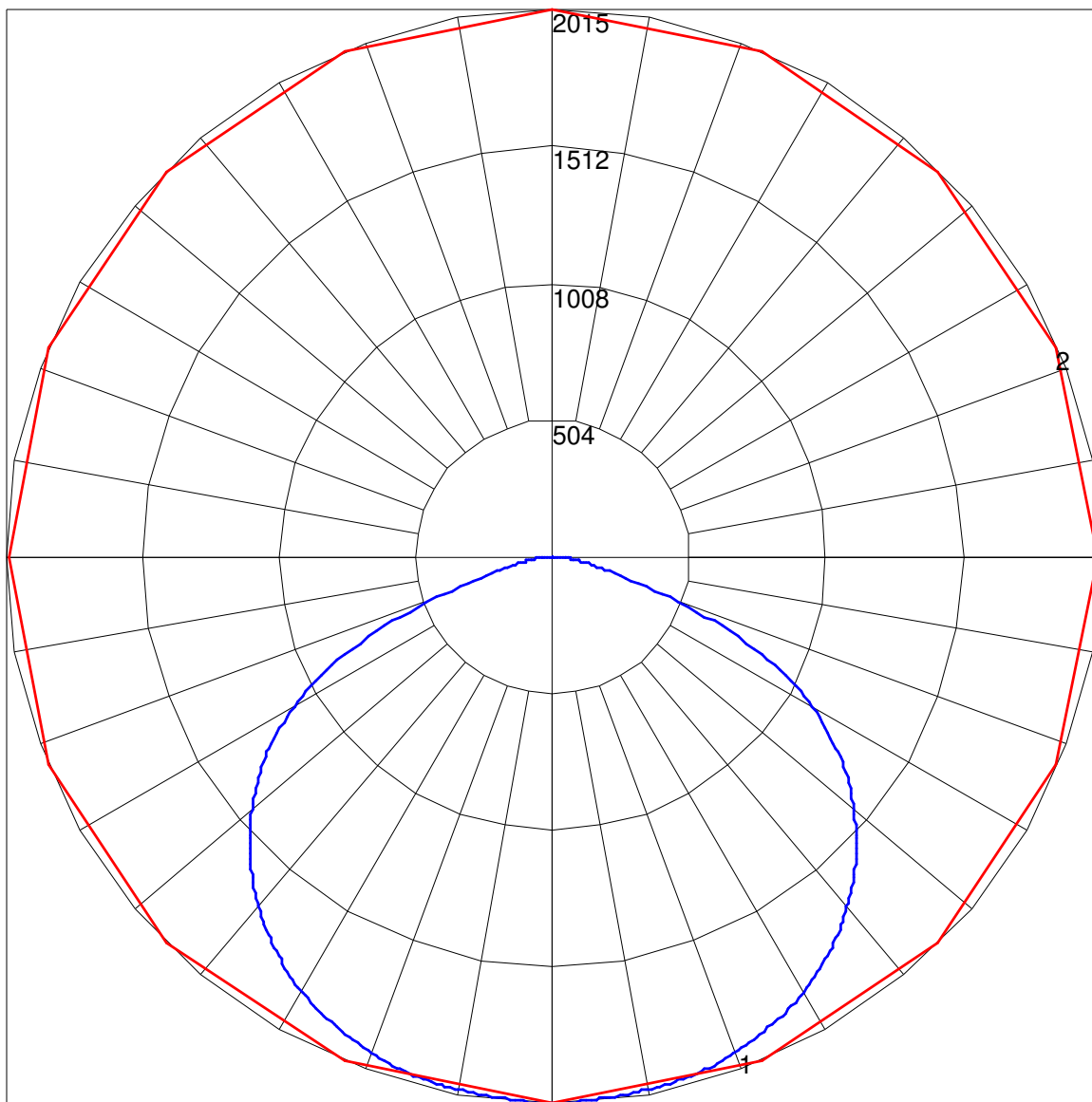
Reflectances

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 = 2015.391 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.)