



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L60-950-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GENERATED FROM 15729805.01  
 [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-14-L60-950-DIM-UNV  
 [LUMINAIRE] Recessed 1 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	5401
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	51.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5822	5561	5178
55	5759	5099	4408
65	5743	4300	3487
75	5484	3021	2449
85	3549	1788	1879

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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	1938.187	1938.187	1938.187	1938.187	1938.187
0.5	1934.769	1939.042	1936.478	1939.897	1941.606
1.0	1934.769	1938.187	1935.624	1939.042	1940.751
1.5	1933.915	1938.187	1934.769	1938.187	1939.897
2.0	1933.915	1937.333	1933.915	1937.333	1939.042
2.5	1933.060	1936.478	1933.060	1936.478	1937.333
3.0	1933.060	1935.624	1931.351	1934.769	1935.624
3.5	1932.205	1934.769	1930.496	1933.060	1934.769
4.0	1931.351	1933.915	1928.787	1932.205	1933.060
4.5	1930.496	1933.060	1927.078	1930.496	1931.351
5.0	1929.642	1931.351	1925.369	1928.787	1928.787
5.5	1928.787	1929.642	1923.660	1927.078	1927.078
6.0	1927.932	1927.932	1921.950	1924.514	1925.369
6.5	1926.223	1926.223	1920.241	1922.805	1923.660
7.0	1924.514	1924.514	1917.677	1921.096	1921.096
7.5	1922.805	1921.950	1915.968	1918.532	1919.387
8.0	1921.096	1920.241	1913.405	1916.823	1916.823
8.5	1919.387	1917.677	1910.841	1914.259	1915.114
9.0	1916.823	1915.114	1909.132	1911.695	1912.550
9.5	1915.114	1912.550	1906.568	1909.132	1909.986
10.0	1912.550	1909.986	1903.150	1906.568	1907.423
10.5	1909.986	1907.423	1900.586	1903.150	1904.859
11.0	1906.568	1904.004	1898.022	1900.586	1902.295
11.5	1904.004	1901.440	1894.604	1898.022	1898.877
12.0	1901.440	1898.022	1891.186	1894.604	1895.458
12.5	1898.022	1894.604	1887.767	1891.186	1892.040
13.0	1894.604	1891.186	1884.349	1887.767	1888.622
13.5	1891.186	1887.767	1880.931	1884.349	1885.203
14.0	1886.913	1883.494	1876.658	1880.931	1881.785
14.5	1883.494	1879.221	1873.239	1876.658	1878.367
15.0	1879.221	1875.803	1868.966	1872.385	1874.094
15.5	1874.948	1871.530	1864.694	1868.112	1869.821
16.0	1870.676	1866.403	1859.566	1863.839	1865.548
16.5	1866.403	1862.130	1855.293	1858.711	1861.275
17.0	1862.130	1857.857	1850.166	1853.584	1856.148
17.5	1857.857	1852.729	1845.893	1848.457	1851.020
18.0	1853.584	1848.457	1840.765	1843.329	1845.038
18.5	1848.457	1843.329	1835.638	1838.202	1839.911
19.0	1844.184	1838.202	1830.510	1832.219	1833.074
19.5	1839.056	1833.074	1824.528	1826.237	1827.092
20.0	1833.929	1827.947	1819.401	1820.255	1820.255
20.5	1827.947	1822.819	1813.419	1814.273	1813.419
21.0	1822.819	1816.837	1807.437	1807.437	1806.582
21.5	1817.692	1810.855	1801.455	1800.600	1799.745
22.0	1811.710	1804.873	1795.473	1794.618	1792.909
22.5	1805.728	1798.891	1788.636	1786.927	1786.072
23.0	1799.745	1792.909	1782.654	1780.090	1779.236
23.5	1793.763	1786.072	1775.817	1773.253	1771.544
24.0	1786.927	1779.236	1768.981	1765.562	1763.853
24.5	1780.090	1772.399	1762.144	1757.871	1756.162
25.0	1773.253	1764.708	1754.453	1751.034	1749.325
25.5	1766.417	1757.871	1747.616	1743.343	1741.634
26.0	1759.580	1750.180	1739.925	1735.652	1733.943
26.5	1751.889	1742.489	1732.234	1727.961	1726.252

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**CANDELA TABULATION - (Cont.)**

27.0	1744.198	1734.797	1724.542	1720.270	1717.706
27.5	1736.507	1726.252	1716.851	1711.724	1709.160
28.0	1727.961	1718.560	1709.160	1703.178	1700.614
28.5	1720.270	1710.015	1700.614	1693.778	1691.214
29.0	1711.724	1701.469	1692.068	1685.232	1681.813
29.5	1703.178	1693.778	1683.523	1674.977	1672.413
30.0	1694.632	1685.232	1674.977	1665.576	1661.303
30.5	1686.086	1675.831	1665.576	1655.321	1650.194
31.0	1677.541	1667.286	1656.176	1645.066	1639.084
31.5	1668.995	1657.885	1646.776	1633.957	1627.975
32.0	1659.594	1649.339	1637.375	1622.847	1616.011
32.5	1650.194	1639.939	1627.120	1611.738	1604.047
33.0	1641.648	1630.539	1616.865	1600.628	1592.083
33.5	1631.393	1621.138	1606.610	1588.664	1579.264
34.0	1621.993	1611.738	1595.501	1576.700	1566.445
34.5	1612.592	1602.337	1585.246	1563.881	1553.626
35.0	1603.192	1592.083	1574.136	1551.917	1539.953
35.5	1593.792	1581.828	1563.027	1539.099	1527.134
36.0	1583.537	1571.573	1551.917	1526.280	1513.461
36.5	1573.282	1561.318	1539.953	1513.461	1498.933
37.0	1563.027	1550.208	1528.844	1499.788	1485.260
37.5	1552.772	1539.953	1516.879	1486.115	1470.732
38.0	1541.662	1528.844	1504.915	1472.441	1456.204
38.5	1530.553	1517.734	1492.097	1458.768	1441.676
39.0	1519.443	1506.625	1480.133	1444.240	1426.294
39.5	1507.479	1495.515	1467.314	1428.858	1411.766
40.0	1496.370	1483.551	1454.495	1413.475	1395.529
40.5	1485.260	1471.587	1441.676	1398.093	1378.438
41.0	1473.296	1459.623	1428.003	1382.710	1362.200
41.5	1461.332	1447.658	1415.184	1366.473	1345.963
42.0	1449.368	1435.694	1400.657	1351.091	1329.726
42.5	1437.404	1423.730	1386.983	1333.999	1312.635
43.0	1424.585	1410.912	1372.455	1317.762	1293.834
43.5	1411.766	1398.947	1357.928	1300.671	1276.742
44.0	1399.802	1385.274	1343.400	1283.579	1258.796
44.5	1386.983	1372.455	1328.017	1266.488	1239.996
45.0	1375.019	1359.637	1313.489	1249.396	1222.904
45.5	1362.200	1346.818	1298.107	1232.304	1204.958
46.0	1349.382	1333.145	1282.725	1214.358	1187.012
46.5	1336.563	1320.326	1266.488	1196.412	1168.211
47.0	1323.744	1306.653	1251.105	1178.466	1149.410
47.5	1310.926	1292.980	1235.723	1160.520	1131.464
48.0	1298.107	1279.306	1219.486	1142.573	1112.663
48.5	1284.434	1266.488	1203.249	1124.627	1093.862
49.0	1270.760	1251.960	1187.012	1106.681	1075.062
49.5	1257.087	1238.286	1169.920	1087.880	1055.406
50.0	1243.414	1224.613	1152.828	1069.080	1036.606
50.5	1230.595	1210.085	1136.591	1051.133	1017.805
51.0	1216.067	1196.412	1118.645	1032.333	999.004
51.5	1202.394	1181.884	1101.554	1014.386	980.203
52.0	1188.721	1167.356	1084.462	994.731	961.402
52.5	1174.193	1152.828	1067.370	975.930	941.747
53.0	1159.665	1138.301	1049.424	956.275	922.946
53.5	1145.992	1122.918	1030.623	936.620	903.291
54.0	1132.318	1108.390	1013.532	917.819	882.781
54.5	1117.791	1093.008	995.586	898.164	863.126

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**CANDELA TABULATION - (Cont.)**

55.0	1103.263	1077.625	976.785	879.363	844.581
55.5	1088.735	1062.243	957.984	859.707	824.926
56.0	1074.207	1046.860	939.183	840.736	805.185
56.5	1059.679	1030.623	920.383	821.337	785.274
57.0	1046.006	1015.241	901.582	801.425	766.216
57.5	1031.478	999.859	882.781	781.941	747.416
58.0	1016.950	983.622	863.126	762.884	728.444
58.5	1002.422	967.385	843.641	743.656	709.643
59.0	988.749	951.148	823.901	724.769	691.355
59.5	974.221	934.911	804.758	705.798	675.545
60.0	959.693	917.819	785.615	689.219	657.514
60.5	945.165	901.582	766.644	671.700	641.875
61.0	931.492	885.345	747.672	654.352	623.929
61.5	916.110	868.253	729.042	639.397	606.666
62.0	901.582	851.845	710.840	621.536	588.891
62.5	887.054	835.096	693.406	604.103	571.714
63.0	872.526	817.748	676.656	586.840	554.879
63.5	857.144	800.656	659.736	569.834	538.556
64.0	841.932	783.052	643.841	552.999	523.003
64.5	826.464	765.875	625.382	536.249	507.706
65.0	810.740	748.014	606.923	520.097	492.238
65.5	794.588	729.640	588.464	503.519	477.112
66.0	778.950	710.925	569.663	487.282	461.815
66.5	762.884	693.321	550.948	470.959	446.433
67.0	746.988	675.887	532.574	454.893	431.050
67.5	730.751	659.479	514.201	438.827	415.839
68.0	713.831	641.619	495.742	423.103	400.798
68.5	696.568	622.647	477.368	406.866	385.672
69.0	681.271	602.821	459.251	390.714	371.059
69.5	668.025	582.567	440.707	375.075	356.274
70.0	652.215	562.485	422.419	359.949	342.003
70.5	634.526	542.146	404.558	345.165	327.646
71.0	616.836	521.892	387.210	330.552	314.229
71.5	598.548	501.468	370.290	316.622	300.983
72.0	580.943	481.385	353.198	302.778	287.737
72.5	563.339	461.302	336.534	289.190	274.320
73.0	545.564	441.391	320.724	275.944	261.160
73.5	527.703	421.735	305.341	262.527	248.255
74.0	509.842	402.422	290.301	249.281	235.693
74.5	492.067	382.766	275.602	236.377	223.387
75.0	474.121	363.709	261.160	223.387	211.679
75.5	455.748	344.738	247.486	211.167	200.655
76.0	437.716	326.022	234.069	199.288	189.973
76.5	419.599	307.649	220.738	188.008	179.291
77.0	401.738	289.446	207.834	177.240	169.292
77.5	383.450	271.927	195.101	166.899	159.465
78.0	364.735	254.921	182.538	156.815	150.064
78.5	346.447	238.086	170.318	146.902	141.262
79.0	327.646	221.934	158.610	137.587	132.460
79.5	308.931	206.296	147.330	128.443	124.000
80.0	289.617	191.084	136.562	119.727	115.881
80.5	270.560	176.556	126.307	111.523	108.275
81.0	251.332	162.456	116.565	103.575	101.524
81.5	231.677	148.697	107.079	96.140	95.286
82.0	212.107	135.536	97.764	89.475	88.962
82.5	192.451	122.889	89.133	82.980	82.040

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

83.0	173.394	110.754	80.672	76.143	74.776
83.5	153.910	98.277	73.238	68.708	68.110
84.0	135.622	86.740	66.230	62.043	62.812
84.5	118.445	76.058	59.222	56.830	58.453
85.0	103.319	65.974	52.044	52.471	54.693
85.5	89.133	56.402	45.635	48.540	50.591
86.0	75.459	47.686	40.251	44.011	45.720
86.5	62.213	39.738	35.721	38.798	39.738
87.0	49.907	32.474	31.107	32.645	33.072
87.5	38.627	25.979	25.723	26.150	26.236
88.0	28.201	20.083	19.912	19.997	20.339
88.5	19.143	14.870	14.442	14.784	15.126
89.0	11.622	9.913	9.315	9.913	10.426
89.5	4.957	5.298	4.957	5.640	5.811
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-14-L60-950-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-14-L60-950-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-14-L60-950-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	712.43	N.A.	13.20
0-30	1522.79	N.A.	28.20
0-40	2505.64	N.A.	46.40
0-60	4383.4	N.A.	81.20
0-80	5326.2	N.A.	98.60
0-90	5401.37	N.A.	100.00
10-90	5217.94	N.A.	96.60
20-40	1793.21	N.A.	33.20
20-50	2798.88	N.A.	51.80
40-70	2501.76	N.A.	46.30
60-80	942.80	N.A.	17.50
70-80	318.79	N.A.	5.90
80-90	75.18	N.A.	1.40
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	5401.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	183.43
10-20	529.00
20-30	810.36
30-40	982.84
40-50	1005.67
50-60	872.09
60-70	624.00
70-80	318.79
80-90	75.18
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-14-L60-950-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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BAR-14-L60-950-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

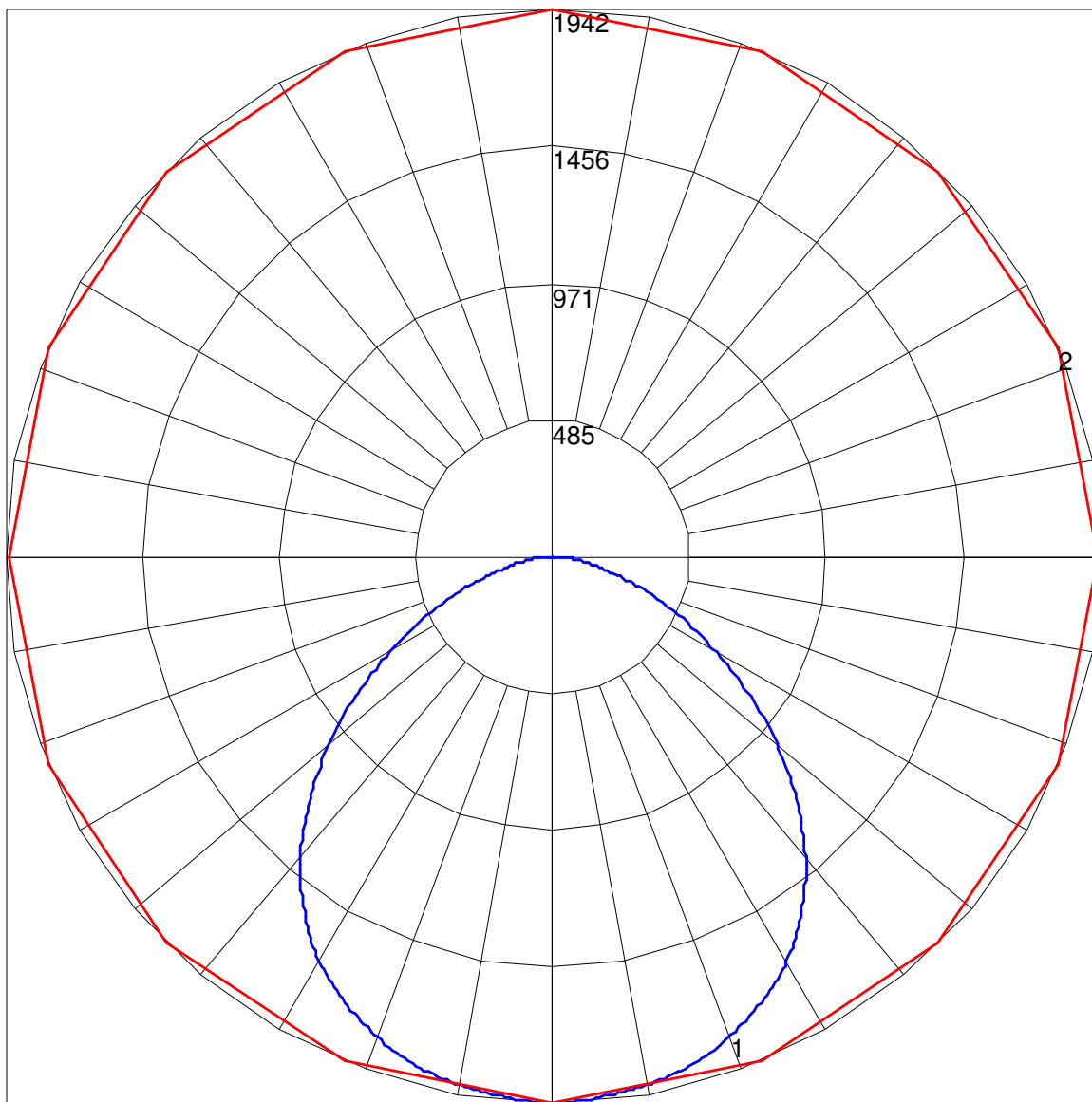
X=2H	Y=2H	18.6	20.3	19.0	20.6	20.9	16.8	18.4	17.2	18.7	19.1
	3H	20.6	22.1	21.0	22.4	22.8	18.1	19.6	18.5	19.9	20.3
	4H	21.4	22.7	21.8	23.1	23.5	18.5	19.9	18.9	20.2	20.6
	6H	21.9	23.2	22.3	23.6	24.0	18.7	20.0	19.2	20.4	20.8
	8H	22.1	23.3	22.5	23.7	24.1	18.8	20.0	19.3	20.4	20.8
	12H	22.2	23.4	22.6	23.7	24.2	18.9	20.0	19.3	20.4	20.8

UGR Viewed Endwise

4H	2H	19.0	20.4	19.4	20.7	21.1	17.5	18.9	17.9	19.3	19.6
	3H	21.2	22.3	21.6	22.7	23.1	19.0	20.2	19.4	20.6	21.0
	4H	22.0	23.1	22.5	23.5	23.9	19.5	20.5	19.9	20.9	21.4
	6H	22.7	23.6	23.2	24.1	24.5	19.8	20.7	20.3	21.2	21.6
	8H	22.9	23.8	23.4	24.2	24.7	19.9	20.7	20.4	21.2	21.7
	12H	23.1	23.8	23.6	24.3	24.8	20.0	20.7	20.5	21.2	21.7
8H	4H	22.1	23.0	22.6	23.4	23.9	19.8	20.6	20.3	21.1	21.6
	6H	22.9	23.6	23.4	24.1	24.5	20.2	20.9	20.7	21.4	21.9
	8H	23.1	23.8	23.6	24.3	24.8	20.4	21.0	20.9	21.5	22.0
	12H	23.3	23.9	23.8	24.4	24.9	20.5	21.0	21.0	21.5	22.1
12H	4H	22.1	22.9	22.6	23.4	23.8	19.9	20.6	20.3	21.1	21.5
	6H	22.9	23.5	23.4	24.0	24.5	20.3	20.9	20.8	21.4	21.9
	8H	23.1	23.7	23.7	24.2	24.8	20.4	21.0	20.9	21.5	22.0

Maximum UGR = 24.9

POLAR GRAPH



Maximum Candela = 1941.606 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.)