



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L60-830-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-L60-830-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	5942
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	6404	6118	5696
55	6335	5608	4849
65	6318	4730	3836
75	6033	3323	2693
85	3904	1967	2067

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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	2132.006	2132.006	2132.006	2132.006	2132.006
0.5	2128.246	2132.946	2130.126	2133.886	2135.766
1.0	2128.246	2132.006	2129.186	2132.946	2134.826
1.5	2127.306	2132.006	2128.246	2132.006	2133.886
2.0	2127.306	2131.066	2127.306	2131.066	2132.946
2.5	2126.366	2130.126	2126.366	2130.126	2131.066
3.0	2126.366	2129.186	2124.486	2128.246	2129.186
3.5	2125.426	2128.246	2123.546	2126.366	2128.246
4.0	2124.486	2127.306	2121.666	2125.426	2126.366
4.5	2123.546	2126.366	2119.786	2123.546	2124.486
5.0	2122.606	2124.486	2117.906	2121.666	2121.666
5.5	2121.666	2122.606	2116.026	2119.786	2119.786
6.0	2120.726	2120.726	2114.146	2116.966	2117.906
6.5	2118.846	2118.846	2112.265	2115.086	2116.026
7.0	2116.966	2116.966	2109.445	2113.205	2113.205
7.5	2115.086	2114.146	2107.565	2110.385	2111.325
8.0	2113.205	2112.265	2104.745	2108.505	2108.505
8.5	2111.325	2109.445	2101.925	2105.685	2106.625
9.0	2108.505	2106.625	2100.045	2102.865	2103.805
9.5	2106.625	2103.805	2097.225	2100.045	2100.985
10.0	2103.805	2100.985	2093.465	2097.225	2098.165
10.5	2100.985	2098.165	2090.645	2093.465	2095.345
11.0	2097.225	2094.405	2087.824	2090.645	2092.525
11.5	2094.405	2091.585	2084.064	2087.824	2088.764
12.0	2091.585	2087.824	2080.304	2084.064	2085.004
12.5	2087.824	2084.064	2076.544	2080.304	2081.244
13.0	2084.064	2080.304	2072.784	2076.544	2077.484
13.5	2080.304	2076.544	2069.024	2072.784	2073.724
14.0	2075.604	2071.844	2064.324	2069.024	2069.964
14.5	2071.844	2067.144	2060.563	2064.324	2066.204
15.0	2067.144	2063.383	2055.863	2059.623	2061.503
15.5	2062.443	2058.683	2051.163	2054.923	2056.803
16.0	2057.743	2053.043	2045.523	2050.223	2052.103
16.5	2053.043	2048.343	2040.823	2044.583	2047.403
17.0	2048.343	2043.643	2035.182	2038.942	2041.763
17.5	2043.643	2038.002	2030.482	2033.302	2036.122
18.0	2038.942	2033.302	2024.842	2027.662	2029.542
18.5	2033.302	2027.662	2019.202	2022.022	2023.902
19.0	2028.602	2022.022	2013.561	2015.442	2016.382
19.5	2022.962	2016.382	2006.981	2008.861	2009.801
20.0	2017.322	2010.741	2001.341	2002.281	2002.281
20.5	2010.741	2005.101	1994.761	1995.701	1994.761
21.0	2005.101	1998.521	1988.180	1988.180	1987.240
21.5	1999.461	1991.941	1981.600	1980.660	1979.720
22.0	1992.881	1985.360	1975.020	1974.080	1972.200
22.5	1986.300	1978.780	1967.500	1965.620	1964.679
23.0	1979.720	1972.200	1960.919	1958.099	1957.159
23.5	1973.140	1964.679	1953.399	1950.579	1948.699
24.0	1965.620	1957.159	1945.879	1942.119	1940.238
24.5	1958.099	1949.639	1938.358	1933.658	1931.778
25.0	1950.579	1941.179	1929.898	1926.138	1924.258
25.5	1943.059	1933.658	1922.378	1917.678	1915.797
26.0	1935.538	1925.198	1913.917	1909.217	1907.337
26.5	1927.078	1916.738	1905.457	1900.757	1898.877

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CANDELA TABULATION - (Cont.)

27.0	1918.618	1908.277	1896.997	1892.297	1889.476
27.5	1910.157	1898.877	1888.536	1882.896	1880.076
28.0	1900.757	1890.416	1880.076	1873.496	1870.676
28.5	1892.297	1881.016	1870.676	1863.155	1860.335
29.0	1882.896	1871.616	1861.275	1853.755	1849.995
29.5	1873.496	1863.155	1851.875	1842.475	1839.654
30.0	1864.095	1853.755	1842.475	1832.134	1827.434
30.5	1854.695	1843.415	1832.134	1820.854	1815.213
31.0	1845.295	1834.014	1821.794	1809.573	1802.993
31.5	1835.894	1823.674	1811.453	1797.353	1790.772
32.0	1825.554	1814.273	1801.113	1785.132	1777.612
32.5	1815.213	1803.933	1789.832	1772.912	1764.451
33.0	1805.813	1793.593	1778.552	1760.691	1751.291
33.5	1794.533	1783.252	1767.271	1747.531	1737.190
34.0	1784.192	1772.912	1755.051	1734.370	1723.090
34.5	1773.852	1762.571	1743.771	1720.270	1708.989
35.0	1763.511	1751.291	1731.550	1707.109	1693.949
35.5	1753.171	1740.010	1719.330	1693.008	1679.848
36.0	1741.890	1728.730	1707.109	1678.908	1664.807
36.5	1730.610	1717.449	1693.949	1664.807	1648.827
37.0	1719.330	1705.229	1681.728	1649.767	1633.786
37.5	1708.049	1693.949	1668.567	1634.726	1617.805
38.0	1695.829	1681.728	1655.407	1619.686	1601.825
38.5	1683.608	1669.508	1641.306	1604.645	1585.844
39.0	1671.388	1657.287	1628.146	1588.664	1568.923
39.5	1658.227	1645.067	1614.045	1571.744	1552.943
40.0	1646.007	1631.906	1599.945	1554.823	1535.082
40.5	1633.786	1618.745	1585.844	1537.902	1516.281
41.0	1620.626	1605.585	1570.804	1520.982	1498.421
41.5	1607.465	1592.424	1556.703	1503.121	1480.560
42.0	1594.304	1579.264	1540.722	1486.200	1462.699
42.5	1581.144	1566.103	1525.682	1467.399	1443.898
43.0	1567.043	1552.003	1509.701	1449.539	1423.218
43.5	1552.943	1538.842	1493.720	1430.738	1404.417
44.0	1539.782	1523.802	1477.740	1411.937	1384.676
44.5	1525.682	1509.701	1460.819	1393.136	1363.995
45.0	1512.521	1495.600	1444.838	1374.336	1345.194
45.5	1498.421	1481.500	1427.918	1355.535	1325.454
46.0	1484.320	1466.459	1410.997	1335.794	1305.713
46.5	1470.219	1452.359	1393.136	1316.053	1285.032
47.0	1456.119	1437.318	1376.216	1296.312	1264.351
47.5	1442.018	1422.278	1359.295	1276.572	1244.610
48.0	1427.918	1407.237	1341.434	1256.831	1223.930
48.5	1412.877	1393.136	1323.574	1237.090	1203.249
49.0	1397.837	1377.156	1305.713	1217.349	1182.568
49.5	1382.796	1362.115	1286.912	1196.668	1160.947
50.0	1367.755	1347.074	1268.111	1175.988	1140.266
50.5	1353.655	1331.094	1250.251	1156.247	1119.585
51.0	1337.674	1316.053	1230.510	1135.566	1098.904
51.5	1322.634	1300.073	1211.709	1115.825	1078.224
52.0	1307.593	1284.092	1192.908	1094.204	1057.543
52.5	1291.612	1268.111	1174.107	1073.523	1035.922
53.0	1275.632	1252.131	1154.367	1051.903	1015.241
53.5	1260.591	1235.210	1133.686	1030.282	993.620
54.0	1245.550	1219.229	1114.885	1009.601	971.059
54.5	1229.570	1202.309	1095.144	987.980	949.438

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55.0	1213.589	1185.388	1074.463	967.299	929.040
55.5	1197.608	1168.467	1053.783	945.678	907.419
56.0	1181.628	1151.547	1033.102	924.809	885.704
56.5	1165.647	1133.686	1012.421	903.471	863.801
57.0	1150.607	1116.765	991.740	881.568	842.838
57.5	1134.626	1099.844	971.059	860.135	822.157
58.0	1118.645	1081.984	949.438	839.172	801.288
58.5	1102.665	1064.123	928.006	818.021	780.608
59.0	1087.624	1046.262	906.291	797.246	760.491
59.5	1071.643	1028.402	885.234	776.377	743.100
60.0	1055.663	1009.601	864.177	758.141	723.265
60.5	1039.682	991.740	843.308	738.870	706.063
61.0	1024.641	973.879	822.439	719.787	686.322
61.5	1007.721	955.079	801.946	703.336	667.333
62.0	991.740	937.030	781.924	683.690	647.780
62.5	975.759	918.605	762.747	664.513	628.885
63.0	959.779	899.522	744.322	645.524	610.367
63.5	942.858	880.722	725.709	626.817	592.412
64.0	926.125	861.357	708.225	608.299	575.303
64.5	909.111	842.462	687.920	589.874	558.477
65.0	891.814	822.815	667.615	572.107	541.462
65.5	874.047	802.604	647.310	553.870	524.823
66.0	856.845	782.018	626.629	536.010	507.997
66.5	839.172	762.653	606.043	518.055	491.076
67.0	821.687	743.476	585.832	500.382	474.155
67.5	803.827	725.427	565.621	482.710	457.423
68.0	785.214	705.781	545.316	465.413	440.878
68.5	766.225	684.912	525.105	447.552	424.239
69.0	749.398	663.103	505.176	429.785	408.165
69.5	734.828	640.824	484.778	412.583	391.902
70.0	717.437	618.733	464.661	395.944	376.203
70.5	697.978	596.360	445.014	379.681	360.411
71.0	678.519	574.081	425.931	363.607	345.652
71.5	658.403	551.614	407.318	348.284	331.081
72.0	639.038	529.523	388.518	333.055	316.511
72.5	619.673	507.433	370.187	318.109	301.752
73.0	600.120	485.530	352.796	303.538	287.276
73.5	580.473	463.909	335.876	288.780	273.081
74.0	560.827	442.664	319.331	274.209	259.262
74.5	541.274	421.043	303.162	260.015	245.726
75.0	521.533	400.080	287.276	245.726	232.847
75.5	501.322	379.211	272.235	232.283	220.721
76.0	481.487	358.625	257.476	219.217	208.970
76.5	461.559	338.414	242.812	206.808	197.220
77.0	441.912	318.391	228.617	194.964	186.222
77.5	421.795	299.120	214.611	183.589	175.411
78.0	401.208	280.413	200.792	172.497	165.071
78.5	381.091	261.895	187.350	161.593	155.388
79.0	360.411	244.128	174.471	151.346	145.706
79.5	339.824	226.925	162.063	141.288	136.400
80.0	318.579	210.193	150.218	131.699	127.469
80.5	297.616	194.212	138.938	122.675	119.103
81.0	276.465	178.701	128.221	113.933	111.677
81.5	254.844	163.567	117.787	105.754	104.814
82.0	233.317	149.090	107.540	98.422	97.858
82.5	211.697	135.177	98.046	91.278	90.244

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CANDELA TABULATION - (Cont.)

83.0	190.734	121.829	88.740	83.757	82.253
83.5	169.301	108.104	80.561	75.579	74.921
84.0	149.184	95.414	72.853	68.247	69.093
84.5	130.289	83.663	65.145	62.513	64.299
85.0	113.651	72.571	57.248	57.718	60.162
85.5	98.046	62.043	50.198	53.394	55.650
86.0	83.005	52.454	44.276	48.412	50.292
86.5	68.435	43.712	39.294	42.678	43.712
87.0	54.898	35.721	34.217	35.909	36.379
87.5	42.490	28.577	28.295	28.765	28.859
88.0	31.021	22.091	21.903	21.997	22.373
88.5	21.057	16.357	15.887	16.263	16.639
89.0	12.785	10.904	10.246	10.904	11.468
89.5	5.452	5.828	5.452	6.204	6.392
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-L60-830-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-L60-830-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-L60-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	783.67	N.A.	13.20
0-30	1675.07	N.A.	28.20
0-40	2756.2	N.A.	46.40
0-60	4821.74	N.A.	81.20
0-80	5858.82	N.A.	98.60
0-90	5941.51	N.A.	100.00
10-90	5739.73	N.A.	96.60
20-40	1972.53	N.A.	33.20
20-50	3078.77	N.A.	51.80
40-70	2751.94	N.A.	46.30
60-80	1037.08	N.A.	17.50
70-80	350.67	N.A.	5.90
80-90	82.70	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	5941.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	201.78
10-20	581.90
20-30	891.40
30-40	1081.13
40-50	1106.24
50-60	959.30
60-70	686.40
70-80	350.67
80-90	82.70
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-L60-830-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	76	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	45	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-L60-830-DIM-UNV_.IES

UGR TABLE - CORRECTED

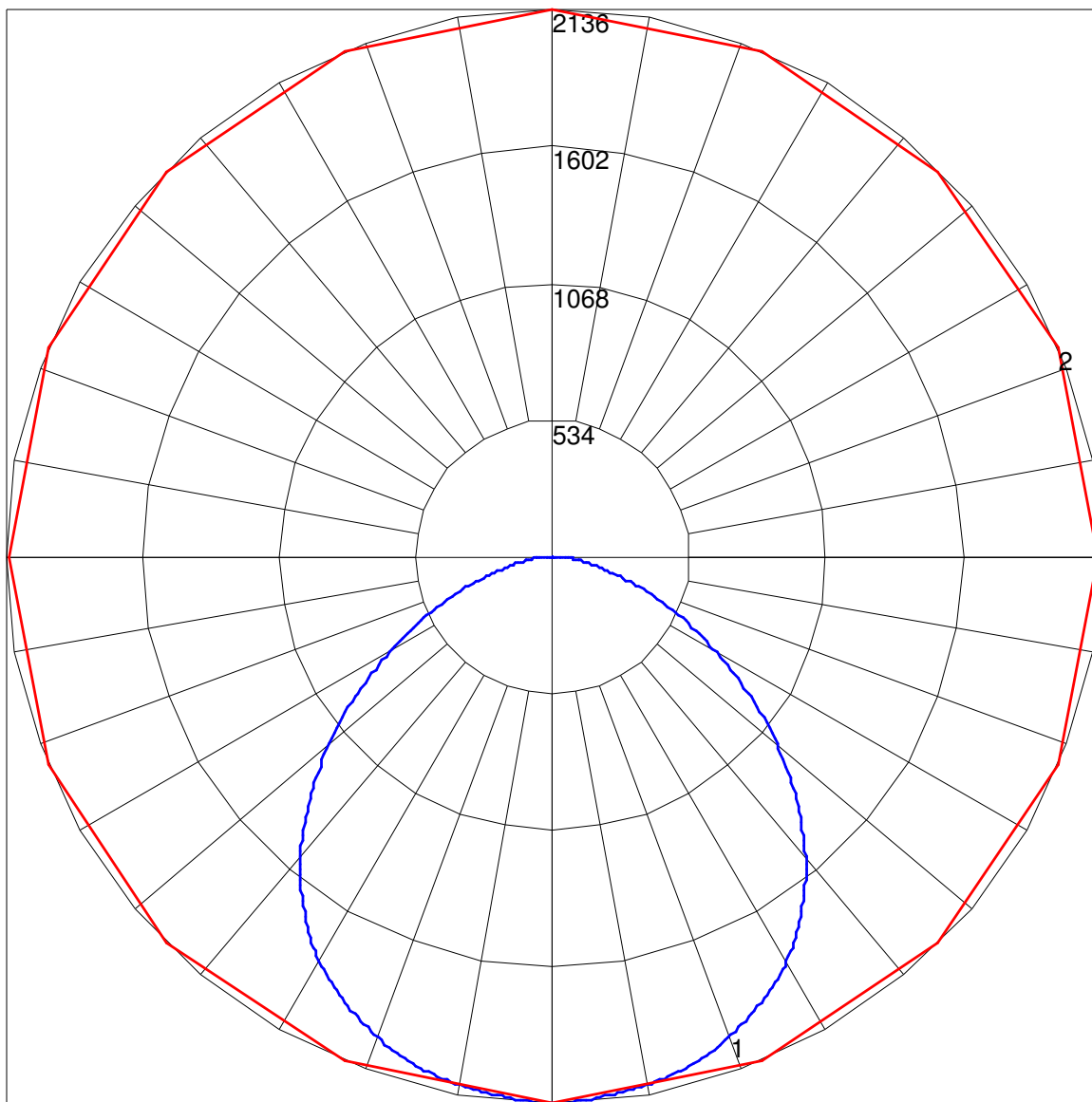
Reflectances

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	18.9	20.6	19.3	20.9	21.2	17.1	18.7	17.5	19.0	19.4
	3H	20.9	22.4	21.3	22.7	23.1	18.4	19.9	18.8	20.2	20.6
	4H	21.7	23.0	22.1	23.4	23.8	18.8	20.2	19.2	20.5	20.9
	6H	22.2	23.5	22.6	23.9	24.3	19.0	20.3	19.5	20.7	21.1
	8H	22.4	23.6	22.8	24.0	24.4	19.1	20.3	19.6	20.7	21.1
	12H	22.5	23.7	22.9	24.0	24.5	19.2	20.3	19.6	20.7	21.1
4H	2H	19.3	20.7	19.7	21.0	21.4	17.8	19.2	18.2	19.6	19.9
	3H	21.5	22.6	21.9	23.0	23.4	19.3	20.5	19.7	20.9	21.3
	4H	22.3	23.4	22.8	23.8	24.2	19.8	20.8	20.2	21.2	21.7
	6H	23.0	23.9	23.5	24.4	24.8	20.1	21.0	20.6	21.5	21.9
	8H	23.2	24.1	23.7	24.5	25.0	20.2	21.0	20.7	21.5	22.0
	12H	23.4	24.1	23.9	24.6	25.1	20.3	21.0	20.8	21.5	22.0
8H	4H	22.4	23.3	22.9	23.7	24.2	20.1	20.9	20.6	21.4	21.9
	6H	23.2	23.9	23.7	24.4	24.8	20.5	21.2	21.0	21.7	22.2
	8H	23.4	24.1	23.9	24.6	25.1	20.7	21.3	21.2	21.8	22.3
	12H	23.6	24.2	24.1	24.7	25.2	20.8	21.3	21.3	21.8	22.4
12H	4H	22.4	23.2	22.9	23.7	24.1	20.2	20.9	20.6	21.4	21.8
	6H	23.2	23.8	23.7	24.3	24.8	20.6	21.2	21.1	21.7	22.2
	8H	23.4	24.0	24.0	24.5	25.1	20.7	21.3	21.2	21.8	22.3

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 2135.766 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.)