



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L60-940-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-L60-940-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	5161
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	5563	5314	4948
55	5503	4872	4213
65	5488	4108	3332
75	5241	2887	2340
85	3391	1708	1795

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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	1852.046	1852.046	1852.046	1852.046	1852.046
0.5	1848.779	1852.862	1850.413	1853.679	1855.312
1.0	1848.779	1852.046	1849.596	1852.862	1854.496
1.5	1847.963	1852.046	1848.779	1852.046	1853.679
2.0	1847.963	1851.229	1847.963	1851.229	1852.862
2.5	1847.146	1850.413	1847.146	1850.413	1851.229
3.0	1847.146	1849.596	1845.513	1848.779	1849.596
3.5	1846.330	1848.779	1844.696	1847.146	1848.779
4.0	1845.513	1847.963	1843.063	1846.330	1847.146
4.5	1844.696	1847.146	1841.430	1844.696	1845.513
5.0	1843.880	1845.513	1839.797	1843.063	1843.063
5.5	1843.063	1843.880	1838.164	1841.430	1841.430
6.0	1842.247	1842.247	1836.531	1838.980	1839.797
6.5	1840.613	1840.613	1834.897	1837.347	1838.164
7.0	1838.980	1838.980	1832.448	1835.714	1835.714
7.5	1837.347	1836.531	1830.814	1833.264	1834.081
8.0	1835.714	1834.897	1828.365	1831.631	1831.631
8.5	1834.081	1832.448	1825.915	1829.181	1829.998
9.0	1831.631	1829.998	1824.282	1826.731	1827.548
9.5	1829.998	1827.548	1821.832	1824.282	1825.098
10.0	1827.548	1825.098	1818.565	1821.832	1822.648
10.5	1825.098	1822.648	1816.116	1818.565	1820.199
11.0	1821.832	1819.382	1813.666	1816.116	1817.749
11.5	1819.382	1816.932	1810.399	1813.666	1814.482
12.0	1816.932	1813.666	1807.133	1810.399	1811.216
12.5	1813.666	1810.399	1803.867	1807.133	1807.950
13.0	1810.399	1807.133	1800.600	1803.867	1804.683
13.5	1807.133	1803.867	1797.334	1800.600	1801.417
14.0	1803.050	1799.784	1793.251	1797.334	1798.150
14.5	1799.784	1795.701	1789.984	1793.251	1794.884
15.0	1795.701	1792.434	1785.901	1789.168	1790.801
15.5	1791.618	1788.351	1781.818	1785.085	1786.718
16.0	1787.535	1783.452	1776.919	1781.002	1782.635
16.5	1783.452	1779.369	1772.836	1776.102	1778.552
17.0	1779.369	1775.286	1767.936	1771.203	1773.652
17.5	1775.286	1770.386	1763.853	1766.303	1768.753
18.0	1771.203	1766.303	1758.954	1761.403	1763.037
18.5	1766.303	1761.403	1754.054	1756.504	1758.137
19.0	1762.220	1756.504	1749.154	1750.788	1751.604
19.5	1757.320	1751.604	1743.438	1745.071	1745.888
20.0	1752.421	1746.705	1738.539	1739.355	1739.355
20.5	1746.705	1741.805	1732.822	1733.639	1732.822
21.0	1741.805	1736.089	1727.106	1727.106	1726.290
21.5	1736.905	1730.373	1721.390	1720.573	1719.757
22.0	1731.189	1724.656	1715.674	1714.857	1713.224
22.5	1725.473	1718.940	1709.141	1707.508	1706.691
23.0	1719.757	1713.224	1703.425	1700.975	1700.159
23.5	1714.041	1706.691	1696.892	1694.442	1692.809
24.0	1707.508	1700.159	1690.359	1687.093	1685.460
24.5	1700.975	1693.626	1683.827	1679.744	1678.110
25.0	1694.442	1686.276	1676.477	1673.211	1671.578
25.5	1687.910	1679.744	1669.944	1665.861	1664.228
26.0	1681.377	1672.394	1662.595	1658.512	1656.879
26.5	1674.027	1665.045	1655.246	1651.163	1649.529

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CANDELA TABULATION - (Cont.)

27.0	1666.678	1657.695	1647.896	1643.813	1641.363
27.5	1659.329	1649.529	1640.547	1635.647	1633.197
28.0	1651.163	1642.180	1633.197	1627.481	1625.031
28.5	1643.813	1634.014	1625.031	1618.499	1616.049
29.0	1635.647	1625.848	1616.865	1610.333	1607.066
29.5	1627.481	1618.499	1608.699	1600.533	1598.084
30.0	1619.315	1610.333	1600.533	1591.551	1587.468
30.5	1611.149	1601.350	1591.551	1581.752	1576.852
31.0	1602.983	1593.184	1582.568	1571.953	1566.236
31.5	1594.817	1584.202	1573.586	1561.337	1555.621
32.0	1585.835	1576.036	1564.603	1550.721	1544.188
32.5	1576.852	1567.053	1554.804	1540.105	1532.756
33.0	1568.686	1558.070	1545.005	1529.489	1521.323
33.5	1558.887	1549.088	1535.206	1518.057	1509.074
34.0	1549.904	1540.105	1524.590	1506.625	1496.825
34.5	1540.922	1531.123	1514.791	1494.376	1484.576
35.0	1531.939	1521.323	1504.175	1482.943	1471.511
35.5	1522.957	1511.524	1493.559	1470.694	1459.262
36.0	1513.157	1501.725	1482.943	1458.445	1446.196
36.5	1503.358	1491.926	1471.511	1446.196	1432.314
37.0	1493.559	1481.310	1460.895	1433.131	1419.249
37.5	1483.760	1471.511	1449.463	1420.065	1405.366
38.0	1473.144	1460.895	1438.030	1407.000	1391.484
38.5	1462.528	1450.279	1425.781	1393.934	1377.602
39.0	1451.913	1439.664	1414.349	1380.052	1362.903
39.5	1440.480	1429.048	1402.100	1365.353	1349.021
40.0	1429.864	1417.615	1389.851	1350.654	1333.506
40.5	1419.249	1406.183	1377.602	1335.955	1317.174
41.0	1407.816	1394.751	1364.536	1321.257	1301.658
41.5	1396.384	1383.318	1352.287	1305.741	1286.143
42.0	1384.951	1371.886	1338.405	1291.043	1270.628
42.5	1373.519	1360.453	1325.340	1274.711	1254.296
43.0	1361.270	1348.204	1311.458	1259.195	1236.330
43.5	1349.021	1336.772	1297.575	1242.863	1219.998
44.0	1337.589	1323.707	1283.693	1226.531	1202.850
44.5	1325.340	1311.458	1268.994	1210.199	1184.885
45.0	1313.907	1299.209	1255.112	1193.867	1168.553
45.5	1301.658	1286.960	1240.413	1177.535	1151.404
46.0	1289.409	1273.894	1225.715	1160.387	1134.256
46.5	1277.160	1261.645	1210.199	1143.238	1116.290
47.0	1264.911	1248.579	1195.501	1126.090	1098.325
47.5	1252.662	1235.514	1180.802	1108.941	1081.177
48.0	1240.413	1222.448	1165.286	1091.792	1063.212
48.5	1227.348	1210.199	1149.771	1074.644	1045.246
49.0	1214.282	1196.317	1134.256	1057.495	1027.281
49.5	1201.217	1183.252	1117.924	1039.530	1008.499
50.0	1188.151	1170.186	1101.592	1021.565	990.534
50.5	1175.902	1156.304	1086.076	1004.416	972.569
51.0	1162.020	1143.238	1068.928	986.451	954.604
51.5	1148.954	1129.356	1052.596	969.303	936.639
52.0	1135.889	1115.474	1036.264	950.521	918.674
52.5	1122.007	1101.592	1019.932	932.556	899.892
53.0	1108.124	1087.709	1002.783	913.774	881.927
53.5	1095.059	1073.011	984.818	894.992	863.145
54.0	1081.993	1059.129	968.486	877.027	843.546
54.5	1068.111	1044.430	951.338	858.245	824.765

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55.0	1054.229	1029.731	933.372	840.280	807.045
55.5	1040.347	1015.032	915.407	821.498	788.263
56.0	1026.465	1000.333	897.442	803.370	769.399
56.5	1012.582	984.818	879.477	784.833	750.373
57.0	999.517	970.119	861.512	765.806	732.162
57.5	985.635	955.420	843.546	747.188	714.197
58.0	971.752	939.905	824.765	728.978	696.069
58.5	957.870	924.390	806.146	710.604	678.104
59.0	944.805	908.874	787.283	692.557	660.628
59.5	930.923	893.359	768.991	674.429	645.521
60.0	917.040	877.027	750.699	658.587	628.291
60.5	903.158	861.512	732.571	641.847	613.347
61.0	890.093	845.996	714.442	625.270	596.199
61.5	875.394	829.664	696.640	610.979	579.703
62.0	861.512	813.986	679.247	593.912	562.718
62.5	847.629	797.980	662.588	577.254	546.305
63.0	833.747	781.403	646.583	560.758	530.218
63.5	819.049	765.071	630.414	544.508	514.621
64.0	804.513	748.249	615.225	528.421	499.758
64.5	789.733	731.836	597.587	512.416	485.141
65.0	774.707	714.769	579.948	496.982	470.361
65.5	759.273	697.212	562.310	481.140	455.907
66.0	744.330	679.328	544.345	465.625	441.290
66.5	728.978	662.507	526.461	450.028	426.591
67.0	713.789	645.848	508.904	434.675	411.892
67.5	698.274	630.169	491.347	419.323	397.357
68.0	682.105	613.102	473.709	404.298	382.985
68.5	665.610	594.974	456.152	388.783	368.531
69.0	650.992	576.029	438.840	373.349	354.567
69.5	638.335	556.675	421.120	358.405	340.440
70.0	623.228	537.485	403.645	343.951	326.803
70.5	606.325	518.050	386.578	329.824	313.084
71.0	589.421	498.697	370.001	315.860	300.263
71.5	571.946	479.180	353.832	302.550	287.606
72.0	555.124	459.990	337.500	289.321	274.949
72.5	538.302	440.800	321.577	276.337	262.128
73.0	521.317	421.773	306.469	263.680	249.553
73.5	504.250	402.991	291.771	250.859	237.222
74.0	487.183	384.536	277.399	238.202	225.218
74.5	470.198	365.755	263.353	225.871	213.459
75.0	453.049	347.544	249.553	213.459	202.272
75.5	435.492	329.416	236.487	201.782	191.737
76.0	418.262	311.532	223.666	190.431	181.530
76.5	400.950	293.976	210.927	179.652	171.322
77.0	383.883	276.582	198.597	169.363	161.768
77.5	366.408	259.842	186.429	159.482	152.377
78.0	348.524	243.591	174.425	149.846	143.395
78.5	331.049	227.504	162.748	140.373	134.984
79.0	313.084	212.071	151.561	131.472	126.573
79.5	295.200	197.127	140.782	122.735	118.488
80.0	276.745	182.591	130.492	114.405	110.731
80.5	258.535	168.709	120.693	106.566	103.463
81.0	240.162	155.235	111.384	98.972	97.012
81.5	221.380	142.088	102.320	91.867	91.051
82.0	202.680	129.513	93.419	85.498	85.008
82.5	183.898	117.427	85.171	79.292	78.393

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CANDELA TABULATION - (Cont.)

83.0	165.688	105.831	77.087	72.759	71.452
83.5	147.069	93.909	69.983	65.655	65.083
84.0	129.594	82.885	63.286	59.285	60.020
84.5	113.181	72.677	56.590	54.304	55.855
85.0	98.727	63.041	49.731	50.139	52.262
85.5	85.171	53.896	43.606	46.383	48.343
86.0	72.106	45.566	38.462	42.055	43.688
86.5	59.448	37.972	34.134	37.074	37.972
87.0	47.689	31.031	29.724	31.194	31.602
87.5	36.910	24.825	24.580	24.988	25.070
88.0	26.948	19.190	19.027	19.108	19.435
88.5	18.292	14.209	13.801	14.127	14.454
89.0	11.106	9.473	8.901	9.473	9.963
89.5	4.736	5.063	4.736	5.390	5.553
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-L60-940-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-L60-940-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-L60-940-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	680.77	N.A.	13.20
0-30	1455.11	N.A.	28.20
0-40	2394.28	N.A.	46.40
0-60	4188.58	N.A.	81.20
0-80	5089.48	N.A.	98.60
0-90	5161.31	N.A.	100.00
10-90	4986.03	N.A.	96.60
20-40	1713.51	N.A.	33.20
20-50	2674.48	N.A.	51.80
40-70	2390.57	N.A.	46.30
60-80	900.89	N.A.	17.50
70-80	304.63	N.A.	5.90
80-90	71.84	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	5161.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	175.28
10-20	505.49
20-30	774.35
30-40	939.16
40-50	960.98
50-60	833.33
60-70	596.27
70-80	304.63
80-90	71.84
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-L60-940-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-L60-940-DIM-UNV_.IES

UGR TABLE - CORRECTED

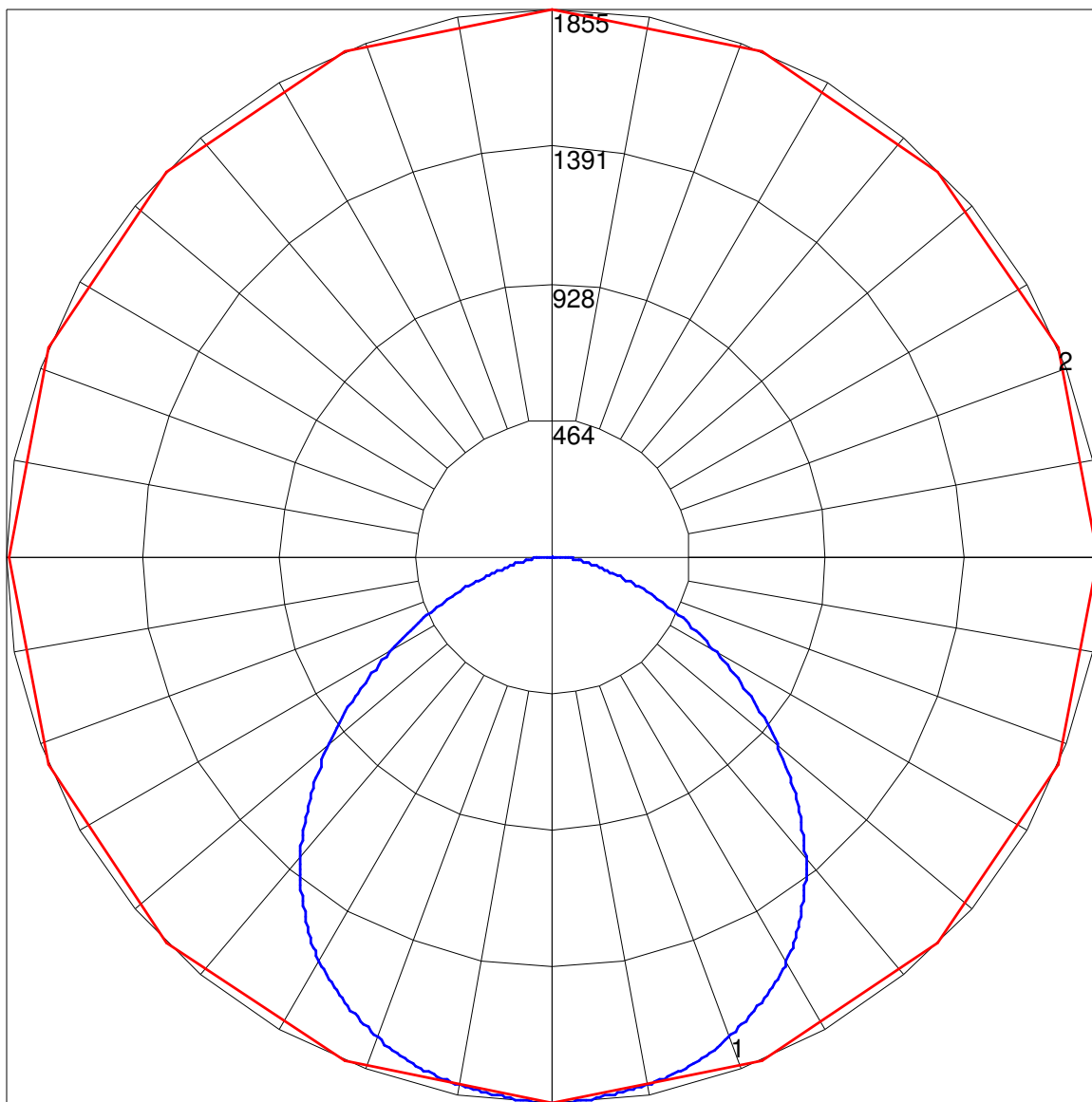
Reflectances

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	18.4	20.1	18.8	20.4	20.7	16.6	18.2	17.0	18.5	18.9
	3H	20.4	21.9	20.8	22.2	22.6	17.9	19.4	18.3	19.7	20.1
	4H	21.2	22.5	21.6	22.9	23.3	18.3	19.7	18.7	20.0	20.4
	6H	21.7	23.0	22.1	23.4	23.8	18.5	19.8	19.0	20.2	20.6
	8H	21.9	23.1	22.3	23.5	23.9	18.6	19.8	19.1	20.2	20.6
	12H	22.0	23.2	22.4	23.5	24.0	18.7	19.8	19.1	20.2	20.6
4H	2H	18.8	20.2	19.2	20.5	20.9	17.3	18.7	17.7	19.1	19.4
	3H	21.0	22.1	21.4	22.5	22.9	18.8	20.0	19.2	20.4	20.8
	4H	21.8	22.9	22.3	23.3	23.7	19.3	20.3	19.7	20.7	21.2
	6H	22.5	23.4	23.0	23.9	24.3	19.6	20.5	20.1	21.0	21.4
	8H	22.7	23.6	23.2	24.0	24.5	19.7	20.5	20.2	21.0	21.5
	12H	22.9	23.6	23.4	24.1	24.6	19.8	20.5	20.3	21.0	21.5
8H	4H	21.9	22.8	22.4	23.2	23.7	19.6	20.4	20.1	20.9	21.4
	6H	22.7	23.4	23.2	23.9	24.3	20.0	20.7	20.5	21.2	21.7
	8H	22.9	23.6	23.4	24.1	24.6	20.2	20.8	20.7	21.3	21.8
	12H	23.1	23.7	23.6	24.2	24.7	20.3	20.8	20.8	21.3	21.9
12H	4H	21.9	22.7	22.4	23.2	23.6	19.7	20.4	20.1	20.9	21.3
	6H	22.7	23.3	23.2	23.8	24.3	20.1	20.7	20.6	21.2	21.7
	8H	22.9	23.5	23.5	24.0	24.6	20.2	20.8	20.7	21.3	21.8

Maximum UGR = 24.7

POLAR GRAPH



Maximum Candela = 1855.312 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.)