



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L60-935-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-L60-935-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	5041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
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	5434	5191	4833
55	5375	4759	4115
65	5361	4013	3255
75	5119	2820	2285
85	3313	1669	1754

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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	1808.975	1808.975	1808.975	1808.975	1808.975
0.5	1805.785	1809.773	1807.380	1810.570	1812.165
1.0	1805.785	1808.975	1806.582	1809.773	1811.368
1.5	1804.987	1808.975	1805.785	1808.975	1810.570
2.0	1804.987	1808.177	1804.987	1808.177	1809.773
2.5	1804.189	1807.380	1804.189	1807.380	1808.177
3.0	1804.189	1806.582	1802.594	1805.785	1806.582
3.5	1803.392	1805.785	1801.797	1804.189	1805.785
4.0	1802.594	1804.987	1800.201	1803.392	1804.189
4.5	1801.797	1804.189	1798.606	1801.797	1802.594
5.0	1800.999	1802.594	1797.011	1800.201	1800.201
5.5	1800.201	1800.999	1795.416	1798.606	1798.606
6.0	1799.404	1799.404	1793.820	1796.213	1797.011
6.5	1797.808	1797.808	1792.225	1794.618	1795.416
7.0	1796.213	1796.213	1789.832	1793.023	1793.023
7.5	1794.618	1793.820	1788.237	1790.630	1791.428
8.0	1793.023	1792.225	1785.844	1789.035	1789.035
8.5	1791.428	1789.832	1783.452	1786.642	1787.440
9.0	1789.035	1787.440	1781.856	1784.249	1785.047
9.5	1787.440	1785.047	1779.463	1781.856	1782.654
10.0	1785.047	1782.654	1776.273	1779.463	1780.261
10.5	1782.654	1780.261	1773.880	1776.273	1777.868
11.0	1779.463	1777.071	1771.487	1773.880	1775.475
11.5	1777.071	1774.678	1768.297	1771.487	1772.285
12.0	1774.678	1771.487	1765.107	1768.297	1769.095
12.5	1771.487	1768.297	1761.916	1765.107	1765.904
13.0	1768.297	1765.107	1758.726	1761.916	1762.714
13.5	1765.107	1761.916	1755.535	1758.726	1759.523
14.0	1761.119	1757.928	1751.547	1755.535	1756.333
14.5	1757.928	1753.940	1748.357	1751.547	1753.142
15.0	1753.940	1750.750	1744.369	1747.559	1749.154
15.5	1749.952	1746.762	1740.381	1743.571	1745.166
16.0	1745.964	1741.976	1735.595	1739.583	1741.178
16.5	1741.976	1737.988	1731.607	1734.797	1737.190
17.0	1737.988	1734.000	1726.821	1730.012	1732.405
17.5	1734.000	1729.214	1722.833	1725.226	1727.619
18.0	1730.012	1725.226	1718.048	1720.440	1722.036
18.5	1725.226	1720.440	1713.262	1715.655	1717.250
19.0	1721.238	1715.655	1708.476	1710.072	1710.869
19.5	1716.452	1710.869	1702.893	1704.488	1705.286
20.0	1711.667	1706.084	1698.107	1698.905	1698.905
20.5	1706.084	1701.298	1692.524	1693.322	1692.524
21.0	1701.298	1695.715	1686.941	1686.941	1686.143
21.5	1696.512	1690.131	1681.358	1680.560	1679.762
22.0	1690.929	1684.548	1675.774	1674.977	1673.382
22.5	1685.346	1678.965	1669.394	1667.798	1667.001
23.0	1679.762	1673.382	1663.810	1661.418	1660.620
23.5	1674.179	1667.001	1657.429	1655.037	1653.441
24.0	1667.798	1660.620	1651.049	1647.858	1646.263
24.5	1661.418	1654.239	1644.668	1640.680	1639.084
25.0	1655.037	1647.061	1637.489	1634.299	1632.704
25.5	1648.656	1640.680	1631.108	1627.120	1625.525
26.0	1642.275	1633.501	1623.930	1619.942	1618.347
26.5	1635.096	1626.323	1616.751	1612.763	1611.168

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CANDELA TABULATION - (Cont.)

27.0	1627.918	1619.144	1609.573	1605.585	1603.192
27.5	1620.739	1611.168	1602.395	1597.609	1595.216
28.0	1612.763	1603.990	1595.216	1589.633	1587.240
28.5	1605.585	1596.014	1587.240	1580.859	1578.466
29.0	1597.609	1588.038	1579.264	1572.883	1569.693
29.5	1589.633	1580.859	1571.288	1563.312	1560.919
30.0	1581.657	1572.883	1563.312	1554.538	1550.550
30.5	1573.681	1564.109	1554.538	1544.967	1540.181
31.0	1565.705	1556.133	1545.764	1535.395	1529.812
31.5	1557.728	1547.360	1536.991	1525.027	1519.443
32.0	1548.955	1539.383	1528.217	1514.658	1508.277
32.5	1540.181	1530.610	1518.646	1504.289	1497.110
33.0	1532.205	1521.836	1509.074	1493.920	1485.944
33.5	1522.634	1513.062	1499.503	1482.753	1473.980
34.0	1513.860	1504.289	1489.134	1471.587	1462.015
34.5	1505.086	1495.515	1479.563	1459.623	1450.051
35.0	1496.313	1485.944	1469.194	1448.456	1437.290
35.5	1487.539	1476.372	1458.825	1436.492	1425.326
36.0	1477.968	1466.801	1448.456	1424.528	1412.564
36.5	1468.396	1457.230	1437.290	1412.564	1399.004
37.0	1458.825	1446.861	1426.921	1399.802	1386.243
37.5	1449.254	1437.290	1415.754	1387.040	1372.683
38.0	1438.885	1426.921	1404.588	1374.279	1359.124
38.5	1428.516	1416.552	1392.624	1361.517	1345.565
39.0	1418.147	1406.183	1381.457	1347.958	1331.208
39.5	1406.981	1395.814	1369.493	1333.601	1317.648
40.0	1396.612	1384.648	1357.529	1319.244	1302.494
40.5	1386.243	1373.481	1345.565	1304.887	1286.542
41.0	1375.076	1362.314	1332.803	1290.530	1271.387
41.5	1363.910	1351.148	1320.839	1275.375	1256.233
42.0	1352.743	1339.981	1307.280	1261.018	1241.078
42.5	1341.577	1328.815	1294.518	1245.066	1225.126
43.0	1329.613	1316.851	1280.958	1229.912	1207.579
43.5	1317.648	1305.684	1267.399	1213.959	1191.626
44.0	1306.482	1292.923	1253.840	1198.007	1174.877
44.5	1294.518	1280.958	1239.483	1182.055	1157.329
45.0	1283.351	1268.994	1225.924	1166.103	1141.377
45.5	1271.387	1257.030	1211.567	1150.151	1124.627
46.0	1259.423	1244.269	1197.210	1133.401	1107.878
46.5	1247.459	1232.304	1182.055	1116.651	1090.330
47.0	1235.495	1219.543	1167.698	1099.901	1072.783
47.5	1223.531	1206.781	1153.341	1083.152	1056.033
48.0	1211.567	1194.019	1138.187	1066.402	1038.486
48.5	1198.805	1182.055	1123.032	1049.652	1020.938
49.0	1186.043	1168.496	1107.878	1032.902	1003.391
49.5	1173.281	1155.734	1091.925	1015.355	985.046
50.0	1160.520	1142.972	1075.973	997.808	967.499
50.5	1148.556	1129.413	1060.819	981.058	949.951
51.0	1134.996	1116.651	1044.069	963.510	932.404
51.5	1122.234	1103.092	1028.117	946.761	914.856
52.0	1109.473	1089.533	1012.165	928.416	897.309
52.5	1095.913	1075.973	996.212	910.868	878.964
53.0	1082.354	1062.414	979.463	892.523	861.417
53.5	1069.592	1048.057	961.915	874.178	843.072
54.0	1056.831	1034.498	945.963	856.631	823.929
54.5	1043.271	1020.141	929.213	838.286	805.584

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55.0	1029.712	1005.784	911.666	820.739	788.276
55.5	1016.153	991.427	894.119	802.394	769.931
56.0	1002.593	977.070	876.571	784.687	751.506
56.5	989.034	961.915	859.024	766.581	732.922
57.0	976.272	947.558	841.476	747.997	715.135
57.5	962.713	933.201	823.929	729.811	697.588
58.0	949.154	918.047	805.584	712.025	679.881
58.5	935.594	902.892	787.399	694.078	662.334
59.0	922.832	887.738	768.974	676.451	645.265
59.5	909.273	872.583	751.107	658.744	630.509
60.0	895.714	856.631	733.241	643.271	613.680
60.5	882.154	841.476	715.534	626.920	599.083
61.0	869.393	826.322	697.827	610.728	582.334
61.5	855.036	810.370	680.439	596.770	566.222
62.0	841.476	795.056	663.450	580.100	549.632
62.5	827.917	779.423	647.179	563.829	533.600
63.0	814.358	763.231	631.546	547.717	517.887
63.5	800.001	747.279	615.753	531.845	502.653
64.0	785.803	730.848	600.918	516.132	488.136
64.5	771.367	714.816	583.690	500.499	473.859
65.0	756.691	698.146	566.461	485.424	459.422
65.5	741.616	680.998	549.233	469.951	445.305
66.0	727.020	663.530	531.686	454.796	431.027
66.5	712.025	647.099	514.218	439.562	416.670
67.0	697.189	630.828	497.069	424.567	402.313
67.5	682.035	615.514	479.921	409.572	388.116
68.0	666.242	598.844	462.692	394.896	374.078
68.5	650.130	581.137	445.544	379.741	359.960
69.0	635.853	562.633	428.635	364.666	346.321
69.5	623.490	543.729	411.326	350.070	332.523
70.0	608.734	524.986	394.258	335.952	319.203
70.5	592.224	506.003	377.588	322.154	305.803
71.0	575.713	487.099	361.396	308.515	293.280
71.5	558.645	468.036	345.604	295.514	280.918
72.0	542.214	449.293	329.651	282.593	268.555
72.5	525.783	430.549	314.098	269.911	256.032
73.0	509.193	411.965	299.342	257.548	243.749
73.5	492.523	393.620	284.985	245.025	231.705
74.0	475.853	375.594	270.947	232.662	219.980
74.5	459.263	357.249	257.229	220.618	208.495
75.0	442.513	339.462	243.749	208.495	197.568
75.5	425.364	321.755	230.987	197.089	187.278
76.0	408.535	304.287	218.465	186.002	177.308
76.5	391.626	287.139	206.022	175.474	167.338
77.0	374.956	270.150	193.978	165.424	158.006
77.5	357.887	253.799	182.094	155.773	148.834
78.0	340.419	237.926	170.369	146.361	140.060
78.5	323.350	222.214	158.963	137.109	131.845
79.0	305.803	207.139	148.036	128.415	123.629
79.5	288.335	192.543	137.508	119.880	115.733
80.0	270.309	178.345	127.458	111.745	108.156
80.5	252.523	164.786	117.886	104.088	101.057
81.0	234.577	151.625	108.794	96.670	94.756
81.5	216.232	138.784	99.940	89.731	88.933
82.0	197.966	126.501	91.246	83.510	83.031
82.5	179.621	114.696	83.191	77.448	76.570

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CANDELA TABULATION - (Cont.)

83.0	161.835	103.370	75.294	71.067	69.791
83.5	143.649	91.725	68.355	64.128	63.569
84.0	126.580	80.957	61.815	57.906	58.624
84.5	110.548	70.987	55.274	53.041	54.556
85.0	96.431	61.575	48.574	48.973	51.047
85.5	83.191	52.642	42.592	45.304	47.218
86.0	70.429	44.507	37.567	41.077	42.672
86.5	58.066	37.089	33.340	36.211	37.089
87.0	46.580	30.309	29.033	30.469	30.867
87.5	36.052	24.247	24.008	24.407	24.487
88.0	26.321	18.744	18.584	18.664	18.983
88.5	17.866	13.878	13.480	13.799	14.118
89.0	10.847	9.252	8.694	9.252	9.731
89.5	4.626	4.945	4.626	5.264	5.424
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-L60-935-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-14-L60-935-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-14-L60-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	664.94	N.A.	13.20
0-30	1421.27	N.A.	28.20
0-40	2338.6	N.A.	46.40
0-60	4091.17	N.A.	81.20
0-80	4971.12	N.A.	98.60
0-90	5041.28	N.A.	100.00
10-90	4870.08	N.A.	96.60
20-40	1673.66	N.A.	33.20
20-50	2612.29	N.A.	51.80
40-70	2334.98	N.A.	46.30
60-80	879.94	N.A.	17.50
70-80	297.54	N.A.	5.90
80-90	70.17	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	5041.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.21
10-20	493.73
20-30	756.34
30-40	917.32
40-50	938.63
50-60	813.95
60-70	582.40
70-80	297.54
80-90	70.17
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-L60-935-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	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-L60-935-DIM-UNV_.IES

UGR TABLE - CORRECTED

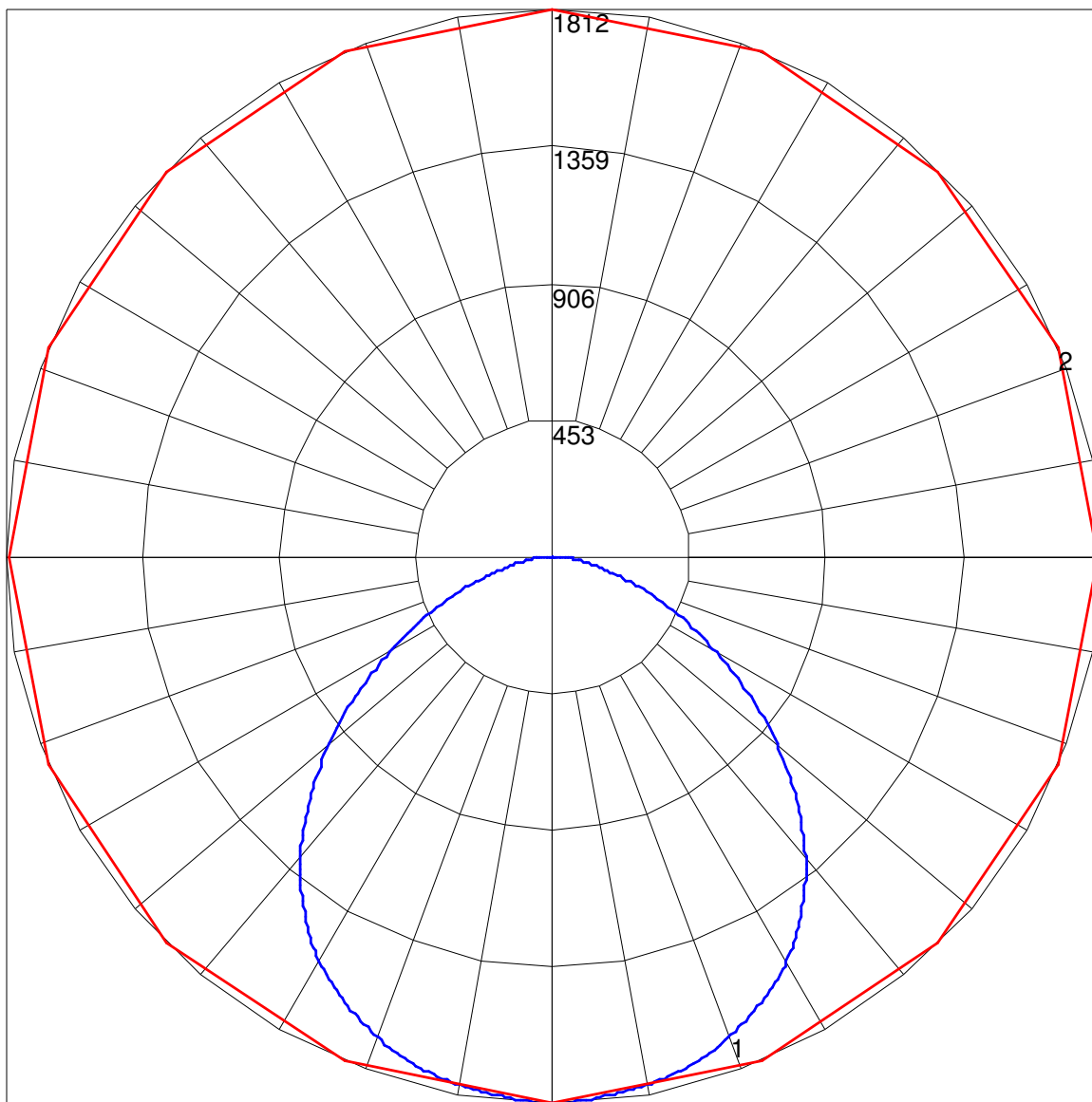
Reflectances

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	18.3	20.0	18.7	20.3	20.6	16.5	18.1	16.9	18.4	18.8
	3H	20.3	21.8	20.7	22.1	22.5	17.8	19.3	18.2	19.6	20.0
	4H	21.1	22.4	21.5	22.8	23.2	18.2	19.6	18.6	19.9	20.3
	6H	21.6	22.9	22.0	23.3	23.7	18.5	19.7	18.9	20.1	20.5
	8H	21.8	23.0	22.2	23.4	23.8	18.5	19.7	19.0	20.1	20.5
	12H	21.9	23.1	22.3	23.4	23.9	18.6	19.7	19.0	20.1	20.5
4H	2H	18.7	20.1	19.1	20.4	20.8	17.2	18.6	17.6	19.0	19.3
	3H	20.9	22.0	21.3	22.4	22.8	18.7	19.9	19.1	20.3	20.7
	4H	21.7	22.8	22.2	23.2	23.6	19.2	20.2	19.6	20.6	21.1
	6H	22.4	23.3	22.9	23.8	24.2	19.5	20.4	20.0	20.9	21.3
	8H	22.6	23.5	23.1	23.9	24.4	19.6	20.5	20.1	20.9	21.4
	12H	22.8	23.5	23.3	24.0	24.5	19.7	20.4	20.2	20.9	21.4
8H	4H	21.8	22.7	22.3	23.1	23.6	19.5	20.3	20.0	20.8	21.3
	6H	22.6	23.3	23.1	23.8	24.2	19.9	20.6	20.4	21.1	21.6
	8H	22.8	23.5	23.3	24.0	24.5	20.1	20.7	20.6	21.2	21.7
	12H	23.0	23.6	23.5	24.1	24.6	20.2	20.7	20.7	21.2	21.8
12H	4H	21.8	22.6	22.3	23.1	23.5	19.6	20.3	20.0	20.8	21.3
	6H	22.6	23.2	23.1	23.7	24.2	20.0	20.6	20.5	21.1	21.6
	8H	22.8	23.4	23.4	23.9	24.5	20.1	20.7	20.6	21.2	21.7

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 1812.165 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.)