



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L60-927-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-L60-927-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	4921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	5304	5067	4718
55	5247	4645	4017
65	5233	3917	3177
75	4997	2752	2231
85	3234	1629	1712

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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	1765.904	1765.904	1765.904	1765.904	1765.904
0.5	1762.790	1766.683	1764.347	1767.461	1769.019
1.0	1762.790	1765.904	1763.568	1766.683	1768.240
1.5	1762.011	1765.904	1762.790	1765.904	1767.461
2.0	1762.011	1765.125	1762.011	1765.125	1766.683
2.5	1761.232	1764.347	1761.232	1764.347	1765.125
3.0	1761.232	1763.568	1759.675	1762.790	1763.568
3.5	1760.454	1762.790	1758.897	1761.232	1762.790
4.0	1759.675	1762.011	1757.339	1760.454	1761.232
4.5	1758.897	1761.232	1755.782	1758.897	1759.675
5.0	1758.118	1759.675	1754.225	1757.339	1757.339
5.5	1757.339	1758.118	1752.668	1755.782	1755.782
6.0	1756.561	1756.561	1751.110	1753.446	1754.225
6.5	1755.003	1755.003	1749.553	1751.889	1752.668
7.0	1753.446	1753.446	1747.217	1750.332	1750.332
7.5	1751.889	1751.110	1745.660	1747.996	1748.775
8.0	1750.332	1749.553	1743.324	1746.439	1746.439
8.5	1748.775	1747.217	1740.988	1744.103	1744.881
9.0	1746.439	1744.881	1739.431	1741.767	1742.546
9.5	1744.881	1742.546	1737.095	1739.431	1740.210
10.0	1742.546	1740.210	1733.981	1737.095	1737.874
10.5	1740.210	1737.874	1731.645	1733.981	1735.538
11.0	1737.095	1734.759	1729.309	1731.645	1733.202
11.5	1734.759	1732.424	1726.195	1729.309	1730.088
12.0	1732.424	1729.309	1723.080	1726.195	1726.973
12.5	1729.309	1726.195	1719.966	1723.080	1723.859
13.0	1726.195	1723.080	1716.851	1719.966	1720.744
13.5	1723.080	1719.966	1713.737	1716.851	1717.630
14.0	1719.187	1716.073	1709.844	1713.737	1714.515
14.5	1716.073	1712.179	1706.729	1709.844	1711.401
15.0	1712.179	1709.065	1702.836	1705.951	1707.508
15.5	1708.286	1705.172	1698.943	1702.057	1703.615
16.0	1704.393	1700.500	1694.271	1698.164	1699.722
16.5	1700.500	1696.607	1690.378	1693.493	1695.829
17.0	1696.607	1692.714	1685.707	1688.821	1691.157
17.5	1692.714	1688.042	1681.813	1684.149	1686.485
18.0	1688.821	1684.149	1677.142	1679.478	1681.035
18.5	1684.149	1679.478	1672.470	1674.806	1676.363
19.0	1680.256	1674.806	1667.798	1669.356	1670.134
19.5	1675.584	1670.134	1662.348	1663.905	1664.684
20.0	1670.913	1665.462	1657.676	1658.455	1658.455
20.5	1665.462	1660.791	1652.226	1653.005	1652.226
21.0	1660.791	1655.340	1646.776	1646.776	1645.997
21.5	1656.119	1649.890	1641.325	1640.547	1639.768
22.0	1650.669	1644.440	1635.875	1635.096	1633.539
22.5	1645.218	1638.989	1629.646	1628.089	1627.310
23.0	1639.768	1633.539	1624.196	1621.860	1621.081
23.5	1634.318	1627.310	1617.967	1615.631	1614.074
24.0	1628.089	1621.081	1611.738	1608.623	1607.066
24.5	1621.860	1614.852	1605.509	1601.616	1600.059
25.0	1615.631	1607.845	1598.501	1595.387	1593.830
25.5	1609.402	1601.616	1592.272	1588.379	1586.822
26.0	1603.173	1594.608	1585.265	1581.372	1579.815
26.5	1596.166	1587.601	1578.257	1574.364	1572.807

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**CANDELA TABULATION - (Cont.)**

27.0	1589.158	1580.593	1571.250	1567.357	1565.021
27.5	1582.150	1572.807	1564.242	1559.570	1557.235
28.0	1574.364	1565.799	1557.235	1551.784	1549.448
28.5	1567.357	1558.013	1549.448	1543.220	1540.884
29.0	1559.570	1550.227	1541.662	1535.433	1532.319
29.5	1551.784	1543.220	1533.876	1526.090	1523.754
30.0	1543.998	1535.433	1526.090	1517.525	1513.632
30.5	1536.212	1526.869	1517.525	1508.182	1503.510
31.0	1528.426	1519.082	1508.960	1498.838	1493.388
31.5	1520.640	1510.518	1500.396	1488.716	1483.266
32.0	1512.075	1502.731	1491.831	1478.594	1472.365
32.5	1503.510	1494.167	1482.487	1468.472	1461.465
33.0	1495.724	1485.602	1473.144	1458.350	1450.564
33.5	1486.380	1477.037	1463.801	1447.450	1438.885
34.0	1477.816	1468.472	1453.679	1436.549	1427.206
34.5	1469.251	1459.907	1444.335	1424.870	1415.526
35.0	1460.686	1450.564	1434.213	1413.969	1403.068
35.5	1452.121	1441.221	1424.091	1402.290	1391.389
36.0	1442.778	1431.877	1413.969	1390.611	1378.931
36.5	1433.434	1422.534	1403.068	1378.931	1365.695
37.0	1424.091	1412.412	1392.946	1366.473	1353.237
37.5	1414.748	1403.068	1382.046	1354.016	1340.000
38.0	1404.626	1392.946	1371.145	1341.558	1326.764
38.5	1394.504	1382.824	1359.466	1329.100	1313.527
39.0	1384.382	1372.702	1348.565	1315.863	1299.512
39.5	1373.481	1362.580	1336.886	1301.848	1286.276
40.0	1363.359	1351.680	1325.207	1287.833	1271.482
40.5	1353.237	1340.779	1313.527	1273.818	1255.910
41.0	1342.336	1329.878	1301.070	1259.803	1241.116
41.5	1331.436	1318.978	1289.390	1245.009	1226.322
42.0	1320.535	1308.077	1276.154	1230.994	1211.529
42.5	1309.634	1297.176	1263.696	1215.422	1195.956
43.0	1297.955	1285.497	1250.459	1200.628	1178.827
43.5	1286.276	1274.597	1237.223	1185.056	1163.254
44.0	1275.375	1262.139	1223.986	1169.483	1146.903
44.5	1263.696	1250.459	1209.971	1153.911	1129.774
45.0	1252.795	1238.780	1196.735	1138.339	1114.201
45.5	1241.116	1227.101	1182.720	1122.766	1097.850
46.0	1229.437	1214.643	1168.705	1106.415	1081.499
46.5	1217.757	1202.964	1153.911	1090.064	1064.370
47.0	1206.078	1190.506	1139.896	1073.713	1047.240
47.5	1194.399	1178.048	1125.881	1057.362	1030.889
48.0	1182.720	1165.590	1111.087	1041.011	1013.760
48.5	1170.262	1153.911	1096.293	1024.660	996.630
49.0	1157.804	1140.674	1081.499	1008.309	979.501
49.5	1145.346	1128.217	1065.927	991.180	961.592
50.0	1132.888	1115.759	1050.355	974.050	944.463
50.5	1121.209	1102.522	1035.561	957.699	927.333
51.0	1107.972	1090.064	1019.210	940.570	910.204
51.5	1095.515	1076.828	1003.638	924.219	893.074
52.0	1083.057	1063.591	988.065	906.311	875.944
52.5	1069.820	1050.355	972.493	889.181	858.036
53.0	1056.584	1037.118	956.142	871.273	840.907
53.5	1044.126	1023.103	939.012	853.365	822.999
54.0	1031.668	1009.867	923.440	836.235	804.312
54.5	1018.431	995.852	907.089	818.327	786.403

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**CANDELA TABULATION - (Cont.)**

55.0	1005.195	981.836	889.960	801.197	769.507
55.5	991.958	967.821	872.830	783.289	751.599
56.0	978.722	953.806	855.700	766.004	733.613
56.5	965.485	939.012	838.571	748.329	715.471
57.0	953.028	924.997	821.441	730.187	698.108
57.5	939.791	910.982	804.312	712.435	680.979
58.0	926.555	896.189	786.403	695.072	663.693
58.5	913.318	881.395	768.651	677.553	646.564
59.0	900.860	866.601	750.665	660.345	629.901
59.5	887.624	851.807	733.224	643.060	615.497
60.0	874.387	836.235	715.783	627.955	599.068
60.5	861.151	821.441	698.498	611.993	584.819
61.0	848.693	806.648	681.212	596.187	568.469
61.5	834.678	791.075	664.238	582.561	552.740
62.0	821.441	776.126	647.654	566.288	536.545
62.5	808.205	760.865	631.770	550.405	520.895
63.0	794.968	745.059	616.509	534.677	505.556
63.5	780.953	729.487	601.093	519.182	490.685
64.0	767.094	713.447	586.610	503.843	476.514
64.5	753.001	697.797	569.792	488.582	462.577
65.0	738.674	681.524	552.974	473.867	448.484
65.5	723.958	664.783	536.156	458.761	434.702
66.0	709.710	647.732	519.026	443.968	420.765
66.5	695.072	631.692	501.975	429.096	406.750
67.0	680.589	615.808	485.234	414.458	392.735
67.5	665.796	600.859	468.494	399.820	378.875
68.0	650.379	584.586	451.676	385.493	365.172
68.5	634.651	567.301	434.936	370.700	351.390
69.0	620.714	549.237	418.429	355.984	338.076
69.5	608.645	530.783	401.533	341.735	324.606
70.0	594.241	512.486	384.871	327.954	311.603
70.5	578.123	493.955	368.597	314.484	298.522
71.0	562.006	475.502	352.792	301.169	286.298
71.5	545.344	456.893	337.375	288.478	274.229
72.0	529.304	438.595	321.803	275.864	262.160
72.5	513.265	420.298	306.620	263.484	249.936
73.0	497.069	402.156	292.215	251.416	237.945
73.5	480.796	384.248	278.200	239.191	226.188
74.0	464.523	366.651	264.496	227.123	214.743
74.5	448.328	348.743	251.104	215.366	203.531
75.0	431.977	331.380	237.945	203.531	192.864
75.5	415.237	314.094	225.488	192.396	182.819
76.0	398.808	297.043	213.263	181.574	173.087
76.5	382.301	280.302	201.117	171.296	163.354
77.0	366.028	263.718	189.360	161.485	154.244
77.5	349.366	247.756	177.758	152.064	145.290
78.0	332.314	232.262	166.313	142.876	136.725
78.5	315.651	216.923	155.178	133.844	128.705
79.0	298.522	202.207	144.511	125.357	120.686
79.5	281.470	187.958	134.234	117.026	112.977
80.0	263.873	174.099	124.423	109.084	105.581
80.5	246.510	160.862	115.080	101.610	98.651
81.0	228.991	148.015	106.203	94.368	92.500
81.5	211.083	135.479	97.561	87.594	86.816
82.0	193.253	123.489	89.074	81.521	81.054
82.5	175.345	111.965	81.210	75.604	74.747

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**CANDELA TABULATION - (Cont.)**

83.0	157.981	100.909	73.501	69.375	68.129
83.5	140.229	89.541	66.728	62.601	62.056
84.0	123.567	79.030	60.343	56.528	57.228
84.5	107.916	69.297	53.958	51.778	53.257
85.0	94.135	60.109	47.418	47.807	49.832
85.5	81.210	51.389	41.578	44.225	46.094
86.0	68.752	43.447	36.673	40.099	41.656
86.5	56.683	36.206	32.546	35.349	36.206
87.0	45.471	29.587	28.342	29.743	30.132
87.5	35.194	23.670	23.436	23.826	23.904
88.0	25.694	18.298	18.142	18.220	18.531
88.5	17.441	13.548	13.159	13.470	13.782
89.0	10.589	9.032	8.487	9.032	9.499
89.5	4.516	4.827	4.516	5.139	5.295
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-L60-927-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-L60-927-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-L60-927-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	649.10	N.A.	13.20
0-30	1387.43	N.A.	28.20
0-40	2282.92	N.A.	46.40
0-60	3993.76	N.A.	81.20
0-80	4852.76	N.A.	98.60
0-90	4921.25	N.A.	100.00
10-90	4754.12	N.A.	96.60
20-40	1633.81	N.A.	33.20
20-50	2550.09	N.A.	51.80
40-70	2279.38	N.A.	46.30
60-80	858.99	N.A.	17.50
70-80	290.46	N.A.	5.90
80-90	68.50	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	4921.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	167.13
10-20	481.98
20-30	738.33
30-40	895.48
40-50	916.28
50-60	794.57
60-70	568.53
70-80	290.46
80-90	68.50
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-L60-927-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-L60-927-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

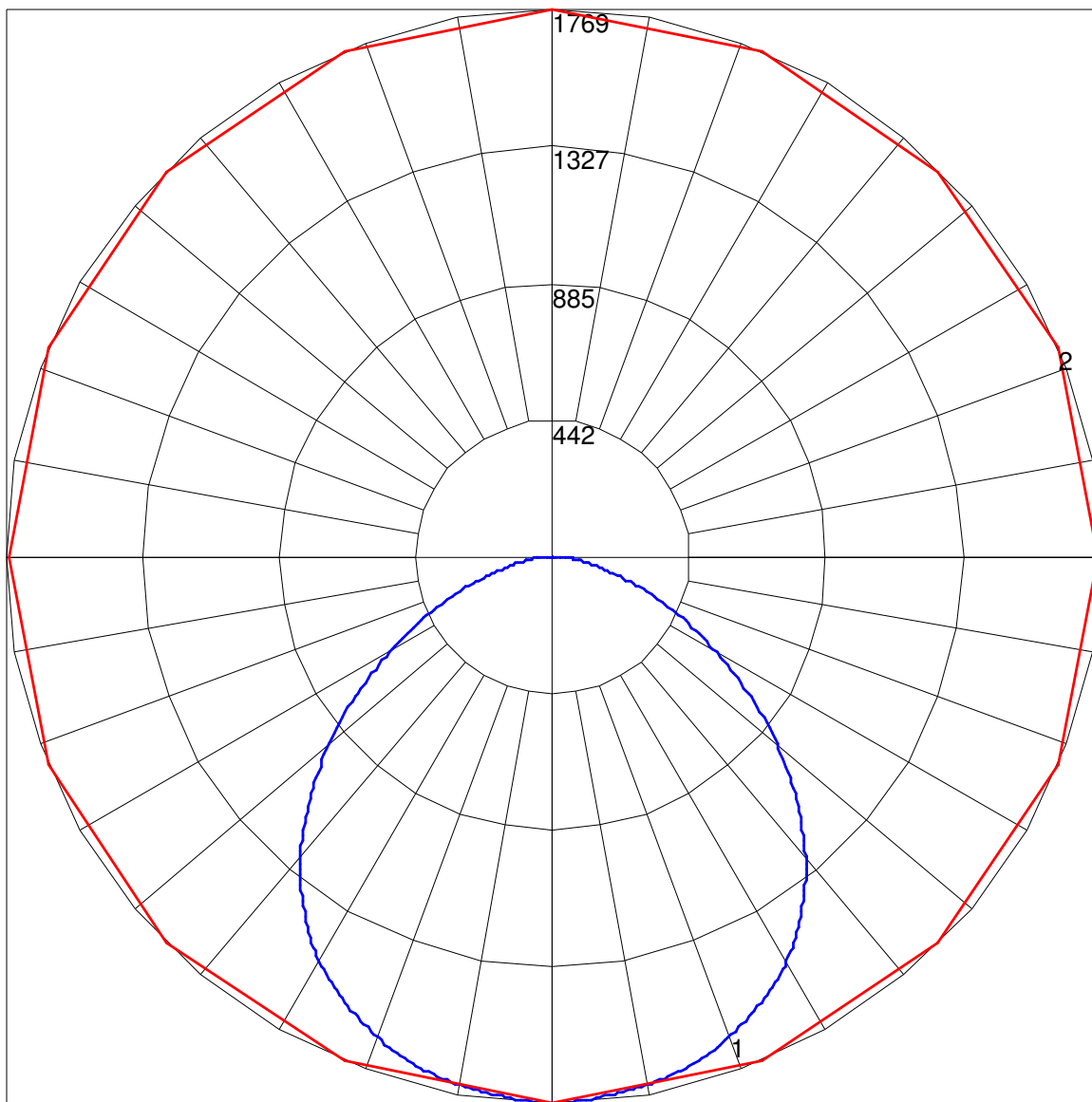
Reflectances

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	18.2	19.9	18.6	20.2	20.5	16.4	18.0	16.8	18.3	18.7
	3H	20.2	21.7	20.6	22.0	22.4	17.7	19.2	18.1	19.5	19.9
	4H	21.0	22.3	21.4	22.7	23.1	18.1	19.5	18.5	19.8	20.2
	6H	21.5	22.8	21.9	23.2	23.6	18.4	19.6	18.8	20.0	20.4
	8H	21.7	22.9	22.1	23.3	23.7	18.4	19.6	18.9	20.0	20.4
	12H	21.8	23.0	22.2	23.3	23.8	18.5	19.6	18.9	20.0	20.4
4H	2H	18.6	20.0	19.0	20.3	20.7	17.1	18.5	17.5	18.9	19.2
	3H	20.8	21.9	21.2	22.3	22.7	18.6	19.8	19.0	20.2	20.6
	4H	21.6	22.7	22.1	23.1	23.5	19.1	20.1	19.5	20.5	21.0
	6H	22.3	23.2	22.8	23.7	24.1	19.4	20.3	19.9	20.8	21.2
	8H	22.5	23.4	23.0	23.8	24.3	19.5	20.3	20.0	20.8	21.3
	12H	22.7	23.4	23.2	23.9	24.4	19.6	20.3	20.1	20.8	21.3
8H	4H	21.7	22.6	22.2	23.0	23.5	19.4	20.2	19.9	20.7	21.2
	6H	22.5	23.2	23.0	23.7	24.1	19.8	20.5	20.3	21.0	21.5
	8H	22.7	23.4	23.2	23.9	24.4	20.0	20.6	20.5	21.1	21.6
	12H	22.9	23.5	23.4	24.0	24.5	20.1	20.6	20.6	21.1	21.7
12H	4H	21.7	22.5	22.2	23.0	23.4	19.5	20.2	19.9	20.7	21.2
	6H	22.5	23.1	23.0	23.6	24.1	19.9	20.5	20.4	21.0	21.5
	8H	22.7	23.3	23.3	23.8	24.4	20.0	20.6	20.5	21.1	21.6

Maximum UGR = 24.5

POLAR GRAPH



Maximum Candela = 1769.019 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.)