



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 2025-04-25
 [TESTDATE] 3/21/2025
 [MANUFAC] WILLIAMS INDOOR
 [MORE] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] BAR-22-L50-835-DIM-UNV_
 [LUMINAIRE] Recessed 2 x 2 Indirect LED luminaire
 [MORE] with centered LED rail & white painted housing
 [LAMP] 56 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	4913
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	38.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4467	4859	5158
55	4340	4949	5266
65	4121	4930	4822
75	3454	3608	1992
85	2452	2104	1176

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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	1595.985	1595.985	1595.985	1595.985	1595.985
0.5	1594.706	1598.542	1595.985	1594.706	1594.706
1.0	1593.427	1598.542	1595.985	1594.706	1594.706
1.5	1593.427	1597.264	1595.985	1593.427	1594.706
2.0	1593.427	1597.264	1594.706	1593.427	1593.427
2.5	1593.427	1597.264	1593.427	1592.148	1592.148
3.0	1592.148	1595.985	1592.148	1590.869	1592.148
3.5	1590.869	1594.706	1590.869	1590.869	1590.869
4.0	1589.591	1593.427	1590.869	1589.591	1589.591
4.5	1588.312	1592.148	1588.312	1588.312	1588.312
5.0	1587.033	1589.591	1587.033	1587.033	1588.312
5.5	1585.754	1588.312	1585.754	1585.754	1587.033
6.0	1583.196	1587.033	1584.475	1584.475	1585.754
6.5	1581.918	1584.475	1583.196	1584.475	1584.475
7.0	1580.639	1583.196	1581.918	1583.196	1584.475
7.5	1578.081	1580.639	1579.360	1581.918	1583.196
8.0	1576.802	1579.360	1578.081	1580.639	1581.918
8.5	1574.245	1576.802	1576.802	1579.360	1580.639
9.0	1571.687	1574.245	1574.245	1578.081	1580.639
9.5	1569.129	1571.687	1572.966	1576.802	1579.360
10.0	1567.850	1570.408	1571.687	1575.523	1578.081
10.5	1565.293	1567.850	1569.129	1574.245	1578.081
11.0	1562.735	1565.293	1567.850	1572.966	1576.802
11.5	1560.177	1562.735	1565.293	1571.687	1575.523
12.0	1557.620	1560.177	1564.014	1570.408	1574.245
12.5	1555.062	1557.620	1561.456	1569.129	1574.245
13.0	1551.226	1555.062	1560.177	1567.850	1572.966
13.5	1548.668	1552.504	1557.620	1566.572	1571.687
14.0	1544.831	1548.668	1555.062	1565.293	1570.408
14.5	1542.274	1546.110	1552.504	1562.735	1569.129
15.0	1538.437	1542.274	1549.947	1561.456	1567.850
15.5	1534.601	1538.437	1547.389	1558.899	1565.293
16.0	1530.764	1534.601	1544.831	1556.341	1564.014
16.5	1526.928	1530.764	1540.995	1555.062	1561.456
17.0	1521.812	1526.928	1538.437	1551.226	1560.177
17.5	1517.976	1523.091	1534.601	1548.668	1556.341
18.0	1512.861	1517.976	1530.764	1546.110	1553.783
18.5	1507.745	1512.861	1526.928	1542.274	1551.226
19.0	1502.630	1509.024	1523.091	1539.716	1548.668
19.5	1498.793	1503.909	1519.255	1535.880	1544.831
20.0	1492.399	1498.793	1515.418	1533.322	1542.274
20.5	1487.284	1493.678	1510.303	1529.485	1539.716
21.0	1482.169	1488.563	1506.466	1525.649	1535.880
21.5	1477.053	1483.447	1501.351	1521.812	1532.043
22.0	1470.659	1478.332	1496.236	1517.976	1528.207
22.5	1464.265	1471.938	1492.399	1514.139	1524.370
23.0	1459.150	1466.823	1487.284	1510.303	1521.812
23.5	1452.755	1461.707	1483.447	1506.466	1517.976
24.0	1447.640	1456.592	1478.332	1502.630	1514.139
24.5	1439.967	1450.198	1474.496	1498.793	1511.582
25.0	1434.852	1443.804	1469.380	1494.957	1507.745
25.5	1428.458	1438.688	1465.544	1491.120	1505.188
26.0	1422.063	1432.294	1460.428	1487.284	1501.351
26.5	1415.669	1427.179	1455.313	1483.447	1498.793

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CANDELA TABULATION - (Cont.)

27.0	1407.996	1420.785	1450.198	1479.611	1494.957
27.5	1401.602	1414.390	1446.361	1475.774	1491.120
28.0	1395.208	1407.996	1441.246	1470.659	1486.005
28.5	1387.535	1401.602	1434.852	1465.544	1482.169
29.0	1379.862	1393.929	1429.736	1460.428	1477.053
29.5	1373.468	1387.535	1423.342	1455.313	1471.938
30.0	1365.795	1381.141	1416.948	1450.198	1466.823
30.5	1358.122	1373.468	1410.554	1443.804	1461.707
31.0	1350.449	1367.074	1404.160	1438.688	1455.313
31.5	1341.497	1359.401	1397.766	1432.294	1450.198
32.0	1333.824	1351.728	1390.093	1425.900	1443.804
32.5	1326.151	1344.055	1383.698	1419.506	1437.409
33.0	1317.199	1335.103	1376.025	1413.112	1431.015
33.5	1308.247	1327.430	1369.631	1406.717	1424.621
34.0	1299.295	1318.478	1361.958	1399.044	1418.227
34.5	1290.343	1310.805	1354.285	1392.650	1411.833
35.0	1281.392	1301.853	1346.612	1386.256	1405.439
35.5	1272.568	1294.180	1338.939	1379.862	1399.044
36.0	1263.616	1285.228	1331.266	1372.189	1392.650
36.5	1254.152	1276.660	1324.872	1365.795	1386.256
37.0	1244.945	1267.964	1315.920	1358.122	1379.862
37.5	1235.226	1259.140	1308.247	1351.728	1372.189
38.0	1225.251	1250.316	1300.574	1344.055	1364.516
38.5	1215.404	1240.980	1291.622	1336.382	1358.122
39.0	1205.429	1231.901	1283.949	1328.709	1350.449
39.5	1195.454	1222.693	1275.381	1321.036	1341.497
40.0	1185.479	1212.974	1266.557	1312.084	1333.824
40.5	1175.248	1203.511	1257.605	1303.132	1326.151
41.0	1164.378	1193.792	1249.165	1295.459	1317.199
41.5	1154.276	1183.945	1240.085	1286.507	1309.526
42.0	1143.661	1173.970	1230.878	1277.427	1300.574
42.5	1133.303	1163.995	1221.414	1268.603	1291.622
43.0	1122.560	1154.148	1212.207	1259.779	1282.670
43.5	1111.818	1143.661	1202.999	1250.828	1274.358
44.0	1101.332	1133.175	1193.408	1241.620	1265.150
44.5	1090.590	1122.944	1183.817	1232.540	1255.943
45.0	1079.336	1112.586	1174.097	1223.205	1246.479
45.5	1068.594	1101.971	1164.378	1213.741	1236.888
46.0	1057.468	1091.613	1154.403	1204.278	1227.297
46.5	1046.470	1080.870	1144.429	1194.559	1218.089
47.0	1034.960	1070.128	1134.326	1184.712	1208.498
47.5	1023.067	1059.386	1124.351	1174.481	1198.267
48.0	1011.558	1048.644	1113.992	1164.250	1188.420
48.5	1003.629	1037.646	1103.634	1154.148	1177.678
49.0	999.537	1027.159	1092.892	1143.789	1167.831
49.5	987.771	1018.336	1082.405	1133.686	1157.217
50.0	975.750	1009.000	1071.663	1122.944	1146.475
50.5	963.857	1000.688	1060.921	1111.946	1135.860
51.0	951.452	990.073	1050.178	1100.948	1124.990
51.5	939.304	978.820	1039.308	1089.822	1113.353
52.0	926.899	969.740	1029.589	1078.696	1101.971
52.5	914.622	958.486	1020.637	1067.443	1090.334
53.0	901.962	946.849	1009.895	1055.422	1078.696
53.5	889.045	934.956	1001.199	1043.656	1066.164
54.0	876.129	923.062	991.608	1031.507	1053.503
54.5	863.213	911.169	979.843	1022.044	1041.099

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55.0	850.680	899.148	970.123	1012.069	1032.147
55.5	837.892	887.255	958.742	999.537	1021.021
56.0	825.104	874.978	946.593	987.260	1007.210
56.5	812.187	862.701	934.060	978.308	993.142
57.0	799.143	850.041	921.400	965.264	978.820
57.5	786.099	837.636	908.739	951.580	969.740
58.0	773.311	825.359	896.207	937.897	954.777
58.5	760.650	813.211	883.546	924.085	939.815
59.0	747.606	801.062	870.758	909.635	924.341
59.5	734.690	788.401	857.714	895.056	908.739
60.0	721.518	776.124	844.798	880.094	892.370
60.5	708.602	763.720	831.882	865.515	875.618
61.0	696.069	751.571	818.965	850.425	858.737
61.5	683.281	739.805	806.433	835.334	841.601
62.0	670.876	728.168	793.516	819.988	824.209
62.5	658.216	716.147	780.472	803.747	805.665
63.0	645.811	704.126	767.428	787.250	786.227
63.5	633.279	692.361	754.001	769.986	765.254
64.0	620.618	680.468	740.445	751.826	743.386
64.5	608.213	668.191	726.378	732.772	720.623
65.0	595.169	655.914	711.927	712.566	696.453
65.5	581.742	643.126	697.092	691.338	670.876
66.0	568.186	629.826	681.107	668.702	643.637
66.5	554.502	616.270	664.354	644.788	614.480
67.0	539.924	602.203	647.346	619.979	585.706
67.5	525.473	587.880	629.826	594.786	555.525
68.0	510.766	573.301	611.922	568.186	525.217
68.5	496.188	558.467	593.251	541.203	494.141
69.0	480.458	543.377	573.941	513.452	463.577
69.5	464.984	528.286	554.502	485.317	432.630
70.0	449.894	513.068	535.064	457.183	403.216
70.5	434.676	497.722	514.603	430.328	374.315
71.0	419.969	482.632	494.014	402.961	346.436
71.5	405.390	467.542	472.785	376.617	319.708
72.0	390.812	452.451	451.684	351.296	294.643
72.5	376.105	437.105	429.816	326.998	270.729
73.0	361.782	421.887	407.053	303.595	249.117
73.5	347.587	406.669	384.545	281.727	228.528
74.0	333.648	391.579	362.549	260.754	209.601
74.5	319.453	375.849	340.681	241.444	192.209
75.0	305.513	360.375	319.069	223.796	176.223
75.5	292.086	344.518	298.096	207.171	161.900
76.0	278.658	328.916	278.146	191.314	148.089
76.5	265.358	313.314	259.220	177.119	136.196
77.0	252.442	297.840	241.316	164.202	125.454
77.5	239.526	282.622	224.435	152.437	115.607
78.0	226.737	267.276	208.961	141.567	106.783
78.5	214.716	252.698	194.511	131.464	98.598
79.0	203.207	238.503	180.955	122.001	91.181
79.5	192.081	224.819	168.422	113.560	84.531
80.0	181.339	212.031	156.657	105.632	78.520
80.5	170.213	199.882	145.659	98.087	73.149
81.0	159.087	187.861	135.301	91.181	68.034
81.5	148.473	175.840	125.326	84.531	63.558
82.0	137.603	164.202	115.734	78.393	58.826
82.5	126.732	152.309	106.527	72.126	54.095

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CANDELA TABULATION - (Cont.)

83.0	115.607	140.160	97.575	65.732	49.747
83.5	104.992	128.267	88.751	59.722	45.782
84.0	94.250	116.374	80.183	53.967	41.946
84.5	83.636	103.969	71.487	48.212	38.365
85.0	73.021	91.565	62.663	42.841	35.040
85.5	63.047	79.032	54.095	37.853	32.482
86.0	53.199	66.627	45.782	33.505	30.308
86.5	43.736	54.350	37.598	29.413	27.751
87.0	35.168	42.713	29.925	25.065	24.298
87.5	27.367	31.971	23.275	20.078	19.310
88.0	20.589	22.635	17.008	16.113	16.753
88.5	14.323	15.218	12.405	12.916	13.811
89.0	8.824	9.847	8.696	8.568	8.824
89.5	7.289	7.545	7.417	8.568	8.440
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-22-L50-835-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-22-L50-835-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-22-L50-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	589.31	N.A.	12.00
0-30	1267.83	N.A.	25.80
0-40	2109.66	N.A.	42.90
0-60	3863.22	N.A.	78.60
0-80	4839.97	N.A.	98.50
0-90	4912.63	N.A.	100.00
10-90	4761.54	N.A.	96.90
20-40	1520.35	N.A.	30.90
20-50	2421.77	N.A.	49.30
40-70	2417.79	N.A.	49.20
60-80	976.75	N.A.	19.90
70-80	312.52	N.A.	6.40
80-90	72.66	N.A.	1.50
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	4912.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	151.08
10-20	438.23
20-30	678.52
30-40	841.83
40-50	901.42
50-60	852.13
60-70	664.23
70-80	312.52
80-90	72.66
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-22-L50-835-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	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

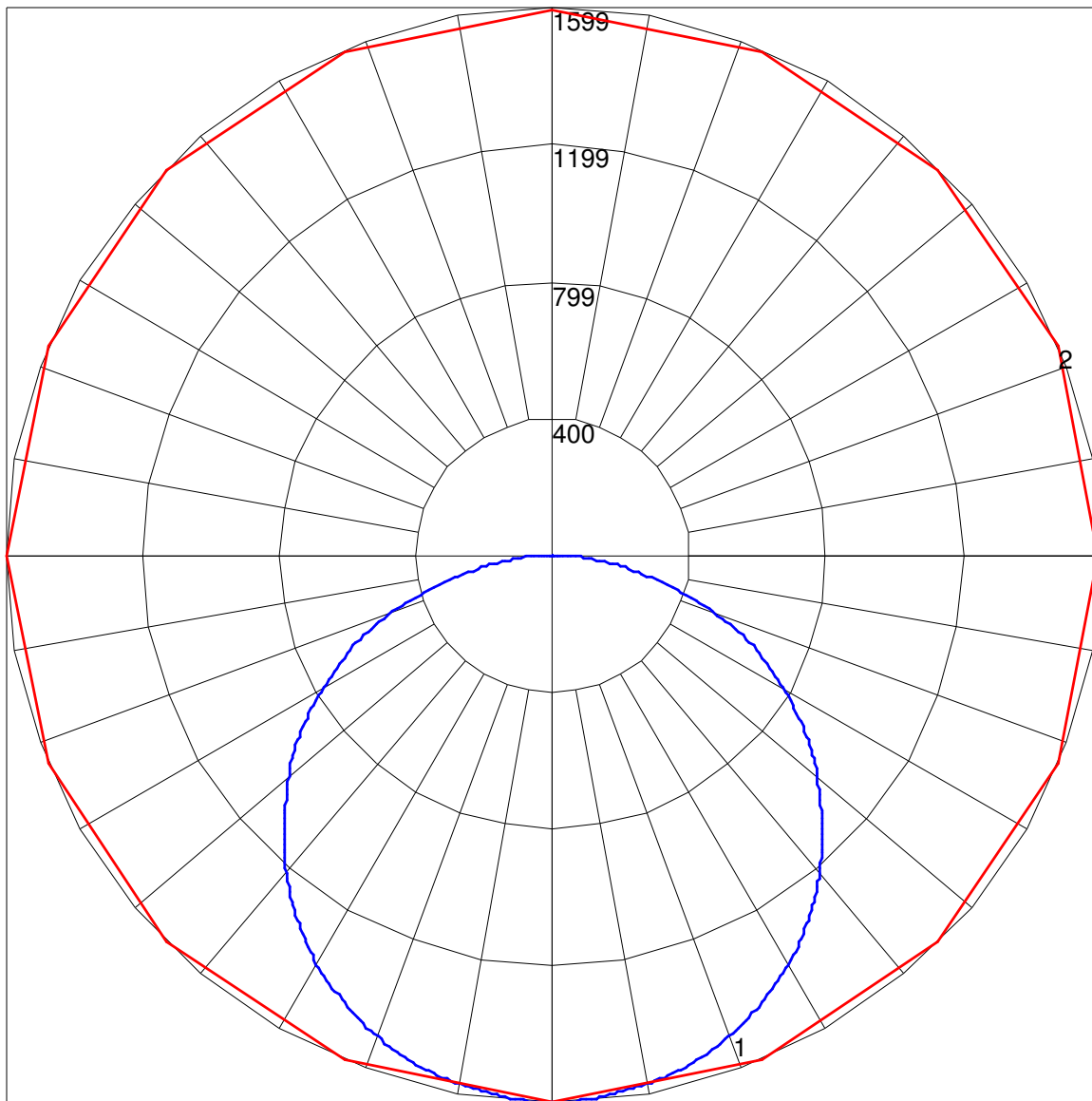
Reflectances

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	17.4	19.1	17.8	19.4	19.7	18.4	20.1	18.8	20.4	20.7
	3H	19.3	20.8	19.7	21.1	21.5	19.8	21.4	20.2	21.7	22.0
	4H	20.0	21.4	20.4	21.7	22.1	20.1	21.5	20.5	21.8	22.2
	6H	20.4	21.7	20.8	22.1	22.5	20.1	21.4	20.5	21.8	22.2
	8H	20.6	21.8	21.0	22.2	22.6	20.1	21.4	20.6	21.8	22.2
	12H	20.6	21.8	21.0	22.2	22.6	20.1	21.3	20.5	21.7	22.1
4H	2H	18.3	19.7	18.7	20.1	20.4	19.1	20.5	19.5	20.8	21.2
	3H	20.4	21.6	20.8	22.0	22.4	20.7	21.9	21.1	22.3	22.7
	4H	21.2	22.2	21.6	22.6	23.1	20.9	22.0	21.4	22.4	22.9
	6H	21.7	22.7	22.2	23.1	23.6	21.1	22.0	21.5	22.4	22.9
	8H	21.9	22.8	22.4	23.2	23.7	21.1	22.0	21.5	22.4	22.9
	12H	22.0	22.8	22.5	23.3	23.8	21.1	21.9	21.6	22.4	22.8
8H	4H	21.4	22.3	21.9	22.7	23.2	21.2	22.1	21.7	22.5	23.0
	6H	22.1	22.8	22.6	23.3	23.8	21.4	22.1	21.9	22.6	23.1
	8H	22.4	23.0	22.9	23.5	24.0	21.4	22.1	22.0	22.6	23.1
	12H	22.6	23.2	23.1	23.6	24.2	21.5	22.1	22.0	22.5	23.1
12H	4H	21.4	22.2	21.9	22.7	23.1	21.2	22.0	21.7	22.5	23.0
	6H	22.1	22.8	22.7	23.2	23.8	21.5	22.1	22.0	22.6	23.1
	8H	22.4	23.0	22.9	23.5	24.1	21.5	22.1	22.0	22.6	23.1

Maximum UGR = 24.2

POLAR GRAPH



Maximum Candela = 1598.542 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)