



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-950-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-L50-950-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	4421
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	4020	4373	4643
55	3906	4454	4739
65	3709	4437	4340
75	3109	3247	1793
85	2207	1894	1059

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-950-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1436.386	1436.386	1436.386	1436.386	1436.386
0.5	1435.235	1438.687	1436.386	1435.235	1435.235
1.0	1434.084	1438.687	1436.386	1435.235	1435.235
1.5	1434.084	1437.536	1436.386	1434.084	1435.235
2.0	1434.084	1437.536	1435.235	1434.084	1434.084
2.5	1434.084	1437.536	1434.084	1432.933	1432.933
3.0	1432.933	1436.386	1432.933	1431.782	1432.933
3.5	1431.782	1435.235	1431.782	1431.782	1431.782
4.0	1430.631	1434.084	1431.782	1430.631	1430.631
4.5	1429.480	1432.933	1429.480	1429.480	1429.480
5.0	1428.329	1430.631	1428.329	1428.329	1429.480
5.5	1427.178	1429.480	1427.178	1427.178	1428.329
6.0	1424.876	1428.329	1426.027	1426.027	1427.178
6.5	1423.725	1426.027	1424.876	1426.027	1426.027
7.0	1422.574	1424.876	1423.725	1424.876	1426.027
7.5	1420.272	1422.574	1421.423	1423.725	1424.876
8.0	1419.121	1421.423	1420.272	1422.574	1423.725
8.5	1416.819	1419.121	1419.121	1421.423	1422.574
9.0	1414.517	1416.819	1416.819	1420.272	1422.574
9.5	1412.216	1414.517	1415.668	1419.121	1421.423
10.0	1411.065	1413.367	1414.517	1417.970	1420.272
10.5	1408.763	1411.065	1412.216	1416.819	1420.272
11.0	1406.461	1408.763	1411.065	1415.668	1419.121
11.5	1404.159	1406.461	1408.763	1414.517	1417.970
12.0	1401.857	1404.159	1407.612	1413.367	1416.819
12.5	1399.555	1401.857	1405.310	1412.216	1416.819
13.0	1396.102	1399.555	1404.159	1411.065	1415.668
13.5	1393.800	1397.253	1401.857	1409.914	1414.517
14.0	1390.348	1393.800	1399.555	1408.763	1413.367
14.5	1388.046	1391.498	1397.253	1406.461	1412.216
15.0	1384.593	1388.046	1394.951	1405.310	1411.065
15.5	1381.140	1384.593	1392.649	1403.008	1408.763
16.0	1377.687	1381.140	1390.348	1400.706	1407.612
16.5	1374.234	1377.687	1386.895	1399.555	1405.310
17.0	1369.630	1374.234	1384.593	1396.102	1404.159
17.5	1366.178	1370.781	1381.140	1393.800	1400.706
18.0	1361.574	1366.178	1377.687	1391.498	1398.404
18.5	1356.970	1361.574	1374.234	1388.046	1396.102
19.0	1352.366	1358.121	1370.781	1385.744	1393.800
19.5	1348.913	1353.517	1367.329	1382.291	1390.348
20.0	1343.159	1348.913	1363.876	1379.989	1388.046
20.5	1338.555	1344.310	1359.272	1376.536	1385.744
21.0	1333.951	1339.706	1355.819	1373.083	1382.291
21.5	1329.347	1335.102	1351.215	1369.630	1378.838
22.0	1323.592	1330.498	1346.611	1366.178	1375.385
22.5	1317.838	1324.743	1343.159	1362.725	1371.932
23.0	1313.234	1320.140	1338.555	1359.272	1369.630
23.5	1307.479	1315.536	1335.102	1355.819	1366.178
24.0	1302.875	1310.932	1330.498	1352.366	1362.725
24.5	1295.970	1305.177	1327.045	1348.913	1360.423
25.0	1291.366	1299.422	1322.441	1345.460	1356.970
25.5	1285.611	1294.819	1318.989	1342.008	1354.668
26.0	1279.856	1289.064	1314.385	1338.555	1351.215
26.5	1274.102	1284.460	1309.781	1335.102	1348.913

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	1267.196	1278.705	1305.177	1331.649	1345.460
27.5	1261.441	1272.951	1301.724	1328.196	1342.008
28.0	1255.686	1267.196	1297.121	1323.592	1337.404
28.5	1248.781	1261.441	1291.366	1318.989	1333.951
29.0	1241.875	1254.535	1286.762	1314.385	1329.347
29.5	1236.120	1248.781	1281.007	1309.781	1324.743
30.0	1229.215	1243.026	1275.253	1305.177	1320.140
30.5	1222.309	1236.120	1269.498	1299.422	1315.536
31.0	1215.403	1230.366	1263.743	1294.819	1309.781
31.5	1207.347	1223.460	1257.988	1289.064	1305.177
32.0	1200.441	1216.554	1251.083	1283.309	1299.422
32.5	1193.535	1209.648	1245.328	1277.554	1293.668
33.0	1185.478	1201.592	1238.422	1271.800	1287.913
33.5	1177.422	1194.686	1232.667	1266.045	1282.158
34.0	1169.365	1186.629	1225.762	1259.139	1276.404
34.5	1161.309	1179.724	1218.856	1253.385	1270.649
35.0	1153.252	1171.667	1211.950	1247.630	1264.894
35.5	1145.310	1164.761	1205.045	1241.875	1259.139
36.0	1137.254	1156.705	1198.139	1234.969	1253.385
36.5	1128.737	1148.993	1192.384	1229.215	1247.630
37.0	1120.450	1141.167	1184.328	1222.309	1241.875
37.5	1111.703	1133.225	1177.422	1216.554	1234.969
38.0	1102.725	1125.284	1170.516	1209.648	1228.064
38.5	1093.863	1116.882	1162.459	1202.743	1222.309
39.0	1084.885	1108.710	1155.554	1195.837	1215.403
39.5	1075.908	1100.423	1147.842	1188.931	1207.347
40.0	1066.931	1091.676	1139.901	1180.875	1200.441
40.5	1057.723	1083.159	1131.844	1172.818	1193.535
41.0	1047.940	1074.412	1124.248	1165.912	1185.478
41.5	1038.847	1065.549	1116.076	1157.856	1178.573
42.0	1029.295	1056.572	1107.789	1149.684	1170.516
42.5	1019.972	1047.595	1099.272	1141.742	1162.459
43.0	1010.304	1038.732	1090.985	1133.801	1154.403
43.5	1000.636	1029.295	1082.699	1125.744	1146.922
44.0	991.198	1019.857	1074.066	1117.457	1138.635
44.5	981.530	1010.649	1065.434	1109.286	1130.348
45.0	971.402	1001.326	1056.687	1100.884	1121.831
45.5	961.734	991.774	1047.940	1092.367	1113.199
46.0	951.721	982.451	1038.963	1083.850	1104.567
46.5	941.822	972.783	1029.985	1075.102	1096.280
47.0	931.464	963.115	1020.893	1066.240	1087.648
47.5	920.760	953.447	1011.915	1057.032	1078.440
48.0	910.401	943.779	1002.593	1047.825	1069.578
48.5	903.266	933.881	993.270	1038.732	1059.910
49.0	899.582	924.443	983.602	1029.410	1051.047
49.5	888.994	916.501	974.164	1020.317	1041.495
50.0	878.175	908.100	964.496	1010.649	1031.827
50.5	867.471	900.618	954.828	1000.751	1022.274
51.0	856.307	891.065	945.160	990.853	1012.491
51.5	845.373	880.937	935.377	980.840	1002.017
52.0	834.209	872.765	926.630	970.826	991.774
52.5	823.159	862.637	918.573	960.698	981.300
53.0	811.765	852.163	908.905	949.879	970.826
53.5	800.140	841.460	901.079	939.290	959.547
54.0	788.516	830.756	892.447	928.356	948.153
54.5	776.891	820.052	881.858	919.839	936.988

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	765.612	809.233	873.111	910.862	928.932
55.5	754.102	798.529	862.867	899.582	918.918
56.0	742.593	787.480	851.933	888.533	906.488
56.5	730.968	776.431	840.654	880.477	893.828
57.0	719.229	765.036	829.259	868.737	880.937
57.5	707.489	753.872	817.865	856.422	872.765
58.0	695.979	742.823	806.586	844.107	859.299
58.5	684.585	731.889	795.191	831.676	845.833
59.0	672.845	720.955	783.682	818.671	831.907
59.5	661.221	709.561	771.942	805.550	817.865
60.0	649.366	698.512	760.318	792.084	803.133
60.5	637.741	687.347	748.693	778.963	788.055
61.0	626.462	676.413	737.068	765.382	772.863
61.5	614.953	665.825	725.789	751.801	757.440
62.0	603.788	655.351	714.164	737.989	741.787
62.5	592.394	644.532	702.425	723.372	725.098
63.0	581.230	633.713	690.685	708.525	707.604
63.5	569.950	623.124	678.600	692.987	688.728
64.0	558.556	612.420	666.400	676.643	669.047
64.5	547.392	601.371	653.740	659.494	648.560
65.0	535.652	590.322	640.734	641.309	626.807
65.5	523.567	578.813	627.383	622.204	603.788
66.0	511.367	566.843	612.996	601.832	579.273
66.5	499.052	554.643	597.919	580.309	553.031
67.0	485.931	541.982	582.611	557.981	527.135
67.5	472.925	529.092	566.843	535.307	499.973
68.0	459.689	515.971	550.730	511.367	472.695
68.5	446.569	502.620	533.926	487.082	444.727
69.0	432.412	489.039	516.546	462.106	417.219
69.5	418.485	475.457	499.052	436.786	389.366
70.0	404.904	461.761	481.557	411.465	362.895
70.5	391.208	447.950	463.142	387.295	336.883
71.0	377.972	434.369	444.612	362.664	311.792
71.5	364.851	420.787	425.506	338.955	287.737
72.0	351.730	407.206	406.516	316.166	265.179
72.5	338.494	393.395	386.834	294.298	243.656
73.0	325.604	379.698	366.347	273.236	224.205
73.5	312.828	366.002	346.091	253.554	205.675
74.0	300.283	352.421	326.294	234.679	188.641
74.5	287.507	338.264	306.613	217.299	172.988
75.0	274.962	324.338	287.162	201.416	158.601
75.5	262.877	310.066	268.286	186.454	145.710
76.0	250.792	296.024	250.332	172.182	133.280
76.5	238.822	281.983	233.298	159.407	122.576
77.0	227.198	268.056	217.184	147.782	112.908
77.5	215.573	254.360	201.992	137.193	104.046
78.0	204.063	240.549	188.065	127.410	96.104
78.5	193.244	227.428	175.059	118.318	88.738
79.0	182.886	214.652	162.859	109.801	82.063
79.5	172.873	202.337	151.580	102.204	76.078
80.0	163.205	190.828	140.991	95.068	70.668
80.5	153.191	179.893	131.093	88.278	65.834
81.0	143.178	169.075	121.771	82.063	61.231
81.5	133.625	158.256	112.793	76.078	57.202
82.0	123.842	147.782	104.161	70.553	52.944
82.5	114.059	137.078	95.874	64.914	48.685

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	104.046	126.144	87.817	59.159	44.772
83.5	94.493	115.440	79.876	53.749	41.204
84.0	84.825	104.736	72.165	48.570	37.751
84.5	75.272	93.572	64.338	43.391	34.528
85.0	65.719	82.408	56.397	38.557	31.536
85.5	56.742	71.129	48.685	34.068	29.234
86.0	47.880	59.964	41.204	30.155	27.278
86.5	39.362	48.915	33.838	26.472	24.976
87.0	31.651	38.442	26.932	22.559	21.868
87.5	24.630	28.774	20.947	18.070	17.379
88.0	18.530	20.372	15.308	14.502	15.077
88.5	12.891	13.696	11.164	11.625	12.430
89.0	7.942	8.862	7.826	7.711	7.942
89.5	6.560	6.791	6.676	7.711	7.596
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BAR-22-L50-950-DIM-UNV_.IES

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-L50-950-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-L50-950-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-L50-950-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	530.38	N.A.	12.00
0-30	1141.05	N.A.	25.80
0-40	1898.69	N.A.	42.90
0-60	3476.89	N.A.	78.60
0-80	4355.97	N.A.	98.50
0-90	4421.36	N.A.	100.00
10-90	4285.39	N.A.	96.90
20-40	1368.31	N.A.	30.90
20-50	2179.59	N.A.	49.30
40-70	2176.01	N.A.	49.20
60-80	879.07	N.A.	19.90
70-80	281.27	N.A.	6.40
80-90	65.39	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	4421.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.97
10-20	394.41
20-30	610.67
30-40	757.65
40-50	811.28
50-60	766.92
60-70	597.81
70-80	281.27
80-90	65.39
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-L50-950-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	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	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-L50-950-DIM-UNV_.IES

UGR TABLE - CORRECTED

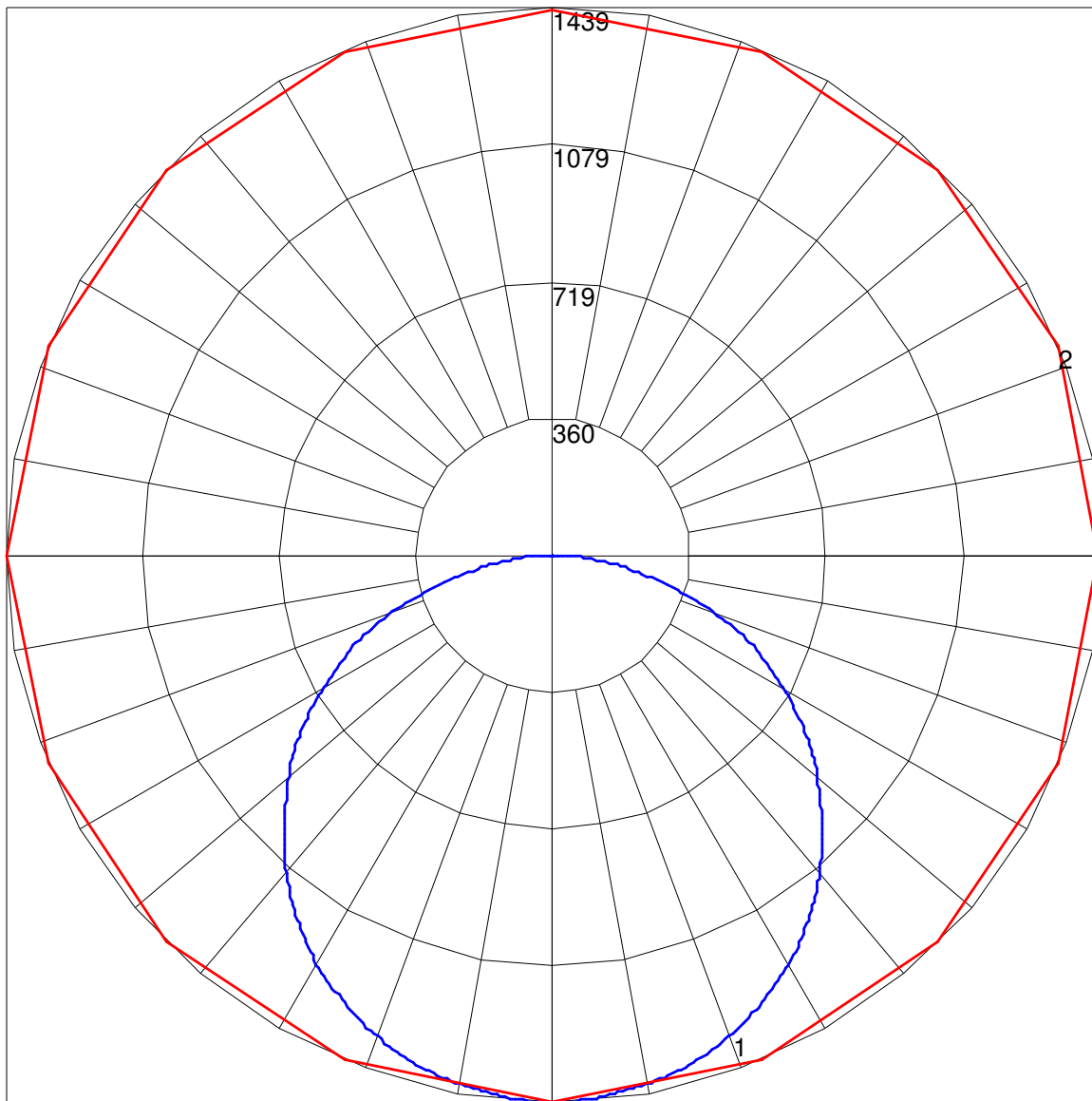
Reflectances

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	17.1	18.8	17.5	19.1	19.4	18.1	19.8	18.5	20.1	20.4
	3H	19.0	20.5	19.4	20.8	21.2	19.5	21.1	19.9	21.4	21.7
	4H	19.7	21.1	20.1	21.4	21.8	19.8	21.2	20.2	21.5	21.9
	6H	20.1	21.4	20.5	21.8	22.2	19.8	21.1	20.2	21.5	21.9
	8H	20.3	21.5	20.7	21.9	22.3	19.8	21.1	20.3	21.5	21.9
	12H	20.3	21.5	20.7	21.9	22.3	19.8	21.0	20.2	21.4	21.8
4H	2H	18.0	19.4	18.4	19.8	20.1	18.8	20.2	19.2	20.5	20.9
	3H	20.1	21.3	20.5	21.7	22.1	20.4	21.6	20.8	22.0	22.4
	4H	20.9	21.9	21.3	22.3	22.8	20.6	21.7	21.1	22.1	22.6
	6H	21.4	22.4	21.9	22.8	23.3	20.8	21.7	21.2	22.1	22.6
	8H	21.6	22.5	22.1	22.9	23.4	20.8	21.7	21.2	22.1	22.6
	12H	21.7	22.5	22.2	23.0	23.5	20.8	21.6	21.3	22.1	22.5
8H	4H	21.1	22.0	21.6	22.4	22.9	20.9	21.8	21.4	22.2	22.7
	6H	21.8	22.5	22.3	23.0	23.5	21.1	21.8	21.6	22.3	22.8
	8H	22.1	22.7	22.6	23.2	23.7	21.1	21.8	21.7	22.3	22.8
	12H	22.3	22.9	22.8	23.3	23.9	21.2	21.8	21.7	22.2	22.8
12H	4H	21.1	21.9	21.6	22.4	22.8	20.9	21.7	21.4	22.2	22.7
	6H	21.8	22.5	22.4	22.9	23.5	21.2	21.8	21.7	22.3	22.8
	8H	22.1	22.7	22.6	23.2	23.8	21.2	21.8	21.7	22.3	22.8

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 1438.687 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.)