



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L60-927-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.03
 [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-24-L60-927-DIM-UNV_
 [LUMINAIRE] Recessed 2 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	4809
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	45.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 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	2194	2347	2442
55	2158	2389	2470
65	2104	2386	2196
75	1889	1626	913
85	1275	666	553

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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	1537.108	1537.108	1537.108	1537.108	1537.108
0.5	1535.863	1537.108	1535.863	1538.353	1539.599
1.0	1535.241	1536.486	1535.241	1537.731	1539.599
1.5	1535.241	1536.486	1534.618	1537.731	1538.976
2.0	1534.618	1535.863	1534.618	1537.108	1538.353
2.5	1534.618	1535.241	1533.996	1536.486	1537.731
3.0	1533.996	1534.618	1532.750	1535.241	1537.108
3.5	1533.373	1533.996	1532.128	1534.618	1535.863
4.0	1533.373	1533.373	1530.883	1533.996	1535.241
4.5	1532.128	1532.128	1530.260	1533.373	1534.618
5.0	1531.505	1531.505	1529.015	1532.128	1533.373
5.5	1530.883	1530.260	1528.392	1531.505	1532.750
6.0	1529.638	1529.015	1527.147	1530.883	1532.128
6.5	1528.392	1527.147	1525.902	1529.638	1531.505
7.0	1527.147	1525.902	1525.280	1529.015	1530.883
7.5	1525.902	1524.657	1523.412	1527.770	1529.638
8.0	1524.035	1522.789	1522.167	1527.147	1529.015
8.5	1522.789	1520.922	1520.922	1525.902	1528.392
9.0	1520.922	1519.677	1519.677	1525.280	1527.770
9.5	1519.054	1517.809	1518.431	1524.035	1526.525
10.0	1516.564	1515.941	1516.564	1522.789	1525.902
10.5	1515.319	1513.451	1515.319	1522.167	1525.280
11.0	1512.828	1511.583	1513.451	1520.922	1524.035
11.5	1510.338	1509.093	1511.583	1519.677	1522.789
12.0	1507.848	1506.603	1509.716	1518.431	1522.167
12.5	1505.358	1504.113	1507.848	1517.186	1520.299
13.0	1502.245	1501.622	1505.980	1515.941	1519.677
13.5	1499.755	1499.132	1504.113	1514.074	1518.431
14.0	1496.642	1496.019	1501.622	1512.206	1517.186
14.5	1492.906	1493.529	1499.132	1510.338	1515.941
15.0	1490.416	1490.416	1496.642	1509.093	1514.074
15.5	1486.681	1486.681	1494.151	1506.603	1512.828
16.0	1483.568	1483.568	1491.661	1504.735	1510.338
16.5	1480.455	1480.455	1489.171	1502.245	1508.470
17.0	1476.720	1476.720	1486.058	1499.755	1506.603
17.5	1472.984	1473.607	1482.945	1497.264	1504.113
18.0	1469.249	1469.872	1480.455	1494.774	1501.622
18.5	1465.514	1466.759	1477.342	1491.661	1498.509
19.0	1461.156	1463.023	1474.229	1489.171	1495.397
19.5	1457.420	1458.665	1471.117	1486.058	1492.284
20.0	1453.062	1454.930	1468.004	1482.945	1489.171
20.5	1448.704	1451.195	1464.268	1479.833	1486.058
21.0	1444.346	1446.837	1460.533	1476.720	1482.323
21.5	1439.366	1442.479	1456.798	1472.984	1479.210
22.0	1435.008	1438.121	1453.062	1469.872	1476.097
22.5	1430.027	1433.763	1449.327	1466.136	1472.984
23.0	1425.670	1429.405	1445.592	1463.023	1469.872
23.5	1420.066	1424.424	1441.234	1459.288	1466.136
24.0	1414.463	1419.444	1436.876	1455.553	1463.023
24.5	1409.483	1414.463	1432.518	1452.440	1459.911
25.0	1403.880	1409.483	1428.782	1448.704	1456.175
25.5	1398.277	1403.880	1423.802	1444.969	1453.062
26.0	1392.674	1398.277	1419.444	1441.234	1449.950
26.5	1386.448	1392.674	1415.086	1437.498	1446.214

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CANDELA TABULATION - (Cont.)

27.0	1380.222	1387.071	1410.105	1433.763	1442.479
27.5	1373.997	1380.845	1405.748	1429.405	1438.743
28.0	1367.149	1375.242	1400.767	1425.047	1435.008
28.5	1360.923	1369.016	1395.787	1420.689	1430.650
29.0	1354.075	1362.791	1390.183	1415.709	1426.292
29.5	1347.227	1356.565	1385.203	1410.728	1421.312
30.0	1340.378	1350.339	1379.600	1405.748	1416.331
30.5	1332.908	1343.491	1373.997	1400.767	1411.351
31.0	1326.059	1337.266	1367.771	1395.164	1405.748
31.5	1319.211	1330.417	1362.168	1389.561	1400.144
32.0	1311.741	1324.192	1355.942	1383.958	1394.541
32.5	1304.270	1317.344	1349.717	1377.732	1388.938
33.0	1297.422	1309.873	1343.491	1372.129	1382.713
33.5	1289.328	1303.025	1337.266	1365.903	1377.110
34.0	1281.857	1295.554	1330.417	1359.678	1370.884
34.5	1273.764	1288.706	1323.569	1353.452	1364.658
35.0	1265.671	1281.235	1317.344	1347.227	1358.433
35.5	1258.200	1273.764	1310.495	1341.001	1352.207
36.0	1249.484	1266.293	1303.647	1334.153	1345.981
36.5	1240.768	1258.823	1296.176	1327.927	1339.133
37.0	1232.052	1250.729	1289.328	1321.079	1332.285
37.5	1223.959	1243.259	1281.857	1314.231	1325.437
38.0	1215.243	1234.543	1275.009	1306.760	1318.589
38.5	1206.527	1226.449	1267.539	1299.912	1311.741
39.0	1197.811	1218.356	1259.445	1292.441	1304.270
39.5	1189.096	1210.263	1251.974	1284.970	1296.799
40.0	1179.757	1202.169	1244.504	1277.500	1289.328
40.5	1171.041	1192.831	1236.410	1269.406	1281.857
41.0	1161.703	1184.115	1228.317	1261.313	1273.764
41.5	1152.364	1175.399	1219.601	1253.842	1265.671
42.0	1143.026	1166.683	1211.508	1245.126	1257.578
42.5	1133.687	1157.345	1202.792	1237.033	1248.862
43.0	1123.726	1148.006	1194.076	1228.940	1240.768
43.5	1113.765	1138.668	1185.360	1220.224	1232.052
44.0	1103.804	1129.330	1176.644	1211.508	1223.337
44.5	1093.843	1119.991	1167.306	1202.169	1214.621
45.0	1083.260	1110.030	1158.590	1193.454	1205.905
45.5	1073.299	1100.692	1149.874	1184.115	1196.566
46.0	1062.715	1090.731	1140.536	1174.777	1186.605
46.5	1052.132	1080.770	1131.197	1165.438	1177.267
47.0	1040.926	1070.809	1121.236	1155.477	1167.306
47.5	1030.342	1060.848	1111.898	1146.139	1157.967
48.0	1019.758	1050.887	1101.937	1136.178	1147.384
48.5	1008.552	1041.548	1092.598	1126.839	1137.423
49.0	997.969	1030.965	1082.637	1116.878	1126.839
49.5	987.385	1021.004	1072.676	1106.295	1116.256
50.0	976.802	1011.043	1062.715	1095.711	1106.295
50.5	965.595	1001.082	1052.754	1085.128	1095.711
51.0	955.012	990.498	1042.171	1074.544	1084.505
51.5	943.806	979.914	1032.210	1063.960	1073.299
52.0	932.600	969.331	1021.626	1052.754	1062.093
52.5	921.393	958.747	1011.043	1041.548	1050.887
53.0	910.187	948.164	1000.459	1030.342	1039.058
53.5	898.981	937.580	989.875	1019.136	1026.607
54.0	887.775	926.996	978.669	1007.307	1014.155
54.5	875.946	916.413	968.086	995.478	1001.704

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CANDELA TABULATION - (Cont.)

55.0	864.118	905.829	956.880	983.027	989.253
55.5	852.911	894.623	945.051	970.576	976.179
56.0	841.083	883.417	933.845	957.502	963.105
56.5	829.254	872.211	922.016	945.051	949.409
57.0	817.425	861.005	910.187	931.354	935.090
57.5	804.974	849.799	898.359	918.281	920.148
58.0	793.145	837.970	886.530	904.584	905.829
58.5	781.317	826.764	874.079	890.888	890.265
59.0	769.488	815.558	861.627	876.569	875.324
59.5	757.659	804.352	849.799	861.627	859.760
60.0	745.208	793.145	837.347	847.308	842.950
60.5	733.379	781.939	824.896	832.367	826.764
61.0	720.928	770.111	813.067	817.425	809.332
61.5	709.099	758.904	800.616	801.861	791.900
62.0	696.648	747.076	787.542	786.297	773.223
62.5	684.197	735.870	773.846	769.488	754.547
63.0	671.746	724.041	760.772	752.679	735.247
63.5	659.294	711.590	747.076	735.247	714.702
64.0	646.843	699.761	733.379	716.570	693.535
64.5	633.769	687.932	718.438	697.893	671.746
65.0	620.758	675.481	704.119	677.349	648.088
65.5	607.622	663.030	689.177	655.559	623.186
66.0	594.050	649.956	672.991	633.147	596.976
66.5	580.353	636.882	656.804	610.423	570.455
67.0	566.781	623.186	640.617	585.707	542.688
67.5	552.836	610.050	623.186	560.867	514.735
68.0	538.704	596.540	604.882	534.968	488.276
68.5	524.572	582.719	586.330	509.008	461.693
69.0	510.128	568.711	567.155	483.171	433.179
69.5	496.681	554.766	547.544	457.397	404.292
70.0	484.230	540.696	527.435	429.755	376.464
70.5	472.214	526.253	507.887	402.114	349.320
71.0	457.708	512.120	487.156	374.783	323.422
71.5	442.891	499.794	465.988	347.826	298.955
72.0	428.261	485.226	444.261	321.927	275.173
72.5	413.631	472.339	419.670	296.838	252.387
73.0	398.876	458.082	395.265	273.492	231.843
73.5	384.682	443.078	369.678	251.889	213.041
74.0	370.363	427.950	344.526	231.282	195.796
74.5	356.106	412.324	319.064	212.170	179.858
75.0	341.414	396.573	293.788	194.489	164.979
75.5	327.281	380.386	269.445	178.115	151.719
76.0	313.647	363.826	245.850	163.236	139.267
76.5	299.328	347.452	223.687	149.726	128.123
77.0	285.507	330.457	203.267	137.337	117.976
77.5	271.188	313.398	184.465	126.256	108.700
78.0	257.492	295.842	167.096	116.357	100.668
78.5	243.733	277.290	151.407	107.081	93.198
79.0	229.975	258.737	137.586	98.614	86.100
79.5	216.403	239.874	124.886	90.956	79.875
80.0	203.080	220.636	113.431	83.922	74.334
80.5	189.695	200.963	103.096	77.634	69.291
81.0	176.061	181.664	93.571	71.782	64.684
81.5	162.676	162.364	84.855	66.490	60.202
82.0	149.664	143.874	77.011	61.509	55.657
82.5	136.777	126.941	69.914	56.653	51.361

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CANDELA TABULATION - (Cont.)

83.0	123.641	111.252	63.377	51.673	47.190
83.5	111.003	97.618	57.463	47.128	43.393
84.0	98.801	85.478	51.673	42.832	39.844
84.5	87.781	74.708	46.007	38.723	36.544
85.0	77.571	65.058	40.529	35.050	33.681
85.5	68.233	56.217	35.424	31.813	31.439
86.0	58.645	48.062	30.692	29.136	29.385
86.5	49.245	40.467	26.397	26.397	26.708
87.0	39.906	33.058	22.724	23.097	22.786
87.5	31.190	26.085	19.175	18.739	18.428
88.0	23.159	19.673	15.004	15.066	15.564
88.5	16.000	13.759	10.770	11.953	12.140
89.0	9.961	8.591	7.222	7.346	7.284
89.5	4.731	4.420	3.424	3.424	3.175
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-24-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-24-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-24-L60-927-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	569.57	N.A.	11.80
0-30	1228.98	N.A.	25.60
0-40	2051.79	N.A.	42.70
0-60	3781.58	N.A.	78.60
0-80	4748.3	N.A.	98.70
0-90	4809.41	N.A.	100.00
10-90	4663.62	N.A.	97.00
20-40	1482.22	N.A.	30.80
20-50	2370.55	N.A.	49.30
40-70	2387.02	N.A.	49.60
60-80	966.72	N.A.	20.10
70-80	309.50	N.A.	6.40
80-90	61.11	N.A.	1.30
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	4809.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.79
10-20	423.78
20-30	659.41
30-40	822.81
40-50	888.33
50-60	841.47
60-70	657.22
70-80	309.50
80-90	61.11
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-24-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	104	100	96	106	102	98	94	98	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	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	39	51	44	39	50	44	39	37
7	64	50	41	35	62	50	41	35	48	40	35	46	40	34	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	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L60-927-DIM-UNV_.IES

UGR TABLE - CORRECTED

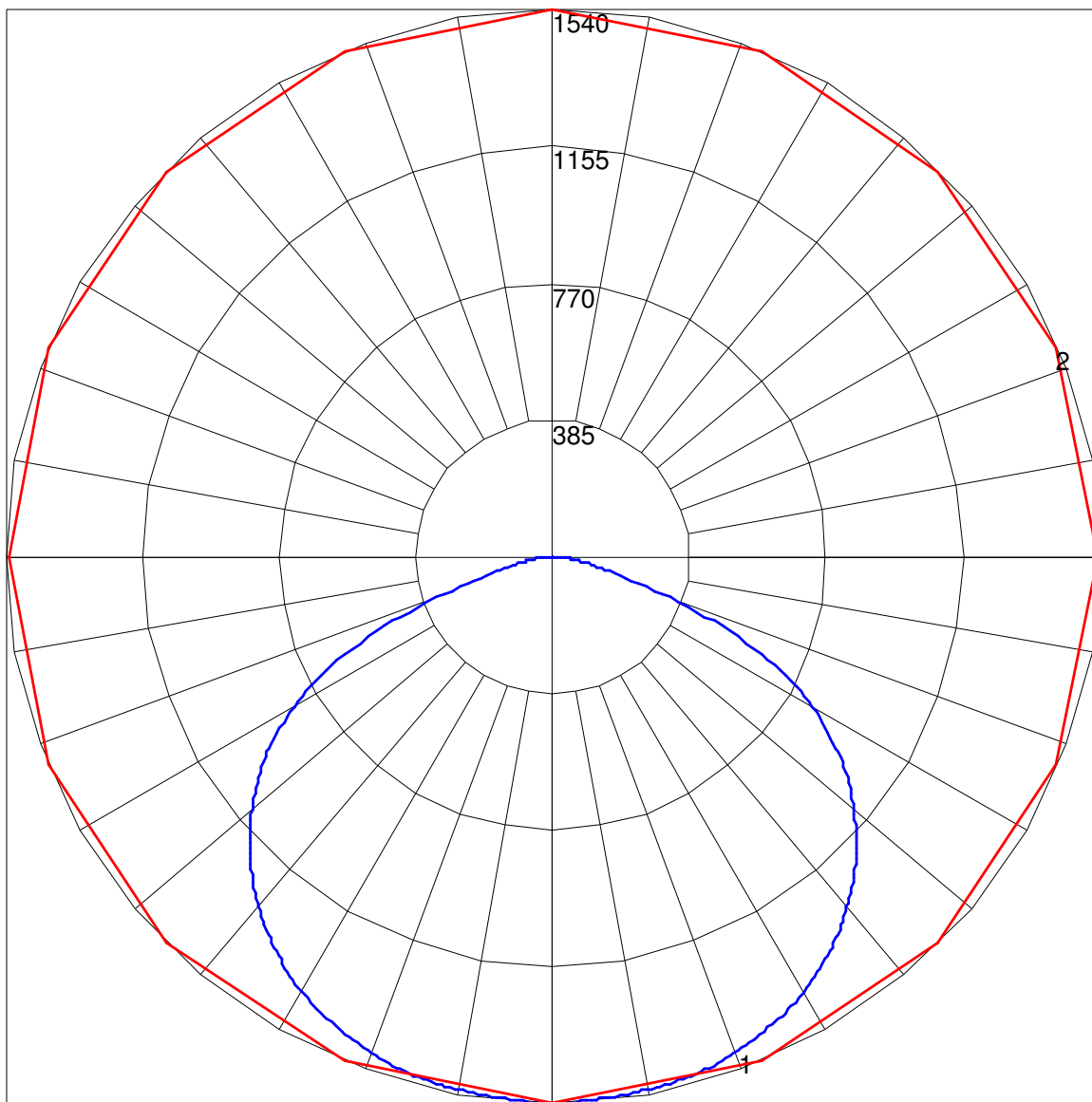
Reflectances

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	15.2	16.9	15.6	17.2	17.5	15.8	17.5	16.2	17.8	18.1
	3H	17.2	18.7	17.6	19.0	19.4	17.2	18.7	17.6	19.0	19.4
	4H	17.9	19.3	18.3	19.7	20.1	17.3	18.8	17.7	19.1	19.5
	6H	18.4	19.8	18.9	20.1	20.5	17.4	18.7	17.8	19.1	19.5
	8H	18.6	19.8	19.0	20.2	20.6	17.4	18.7	17.8	19.1	19.5
	12H	18.6	19.9	19.1	20.2	20.7	17.4	18.6	17.8	19.0	19.4
4H	2H	16.0	17.4	16.4	17.8	18.2	16.5	17.9	16.9	18.2	18.6
	3H	18.2	19.4	18.6	19.8	20.2	18.0	19.2	18.4	19.6	20.0
	4H	19.1	20.2	19.5	20.6	21.0	18.3	19.3	18.7	19.7	20.2
	6H	19.8	20.7	20.2	21.1	21.6	18.4	19.3	18.8	19.7	20.2
	8H	19.9	20.8	20.4	21.2	21.7	18.4	19.2	18.8	19.7	20.2
	12H	20.0	20.8	20.5	21.3	21.8	18.4	19.2	18.9	19.6	20.1
8H	4H	19.3	20.2	19.8	20.6	21.1	18.5	19.4	19.0	19.8	20.3
	6H	20.0	20.8	20.5	21.3	21.7	18.7	19.4	19.1	19.9	20.3
	8H	20.3	20.9	20.8	21.4	21.9	18.7	19.3	19.2	19.8	20.3
	12H	20.4	21.0	20.9	21.5	22.0	18.7	19.3	19.2	19.8	20.3
12H	4H	19.3	20.1	19.8	20.6	21.0	18.6	19.3	19.0	19.8	20.3
	6H	20.1	20.7	20.6	21.2	21.7	18.7	19.4	19.2	19.8	20.4
	8H	20.3	20.9	20.8	21.4	21.9	18.8	19.3	19.3	19.8	20.4

Maximum UGR = 22.0

POLAR GRAPH



Maximum Candela = 1539.599 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.)