



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L60-935-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-L60-935-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	4927
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
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	2248	2404	2502
55	2210	2447	2530
65	2155	2444	2250
75	1935	1665	935
85	1306	682	567

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L60-935-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	1574.599	1574.599	1574.599	1574.599	1574.599
0.5	1573.323	1574.599	1573.323	1575.874	1577.150
1.0	1572.686	1573.961	1572.686	1575.237	1577.150
1.5	1572.686	1573.961	1572.048	1575.237	1576.512
2.0	1572.048	1573.323	1572.048	1574.599	1575.874
2.5	1572.048	1572.686	1571.410	1573.961	1575.237
3.0	1571.410	1572.048	1570.135	1572.686	1574.599
3.5	1570.772	1571.410	1569.497	1572.048	1573.323
4.0	1570.772	1570.772	1568.221	1571.410	1572.686
4.5	1569.497	1569.497	1567.584	1570.772	1572.048
5.0	1568.859	1568.859	1566.308	1569.497	1570.772
5.5	1568.221	1567.584	1565.670	1568.859	1570.135
6.0	1566.946	1566.308	1564.395	1568.221	1569.497
6.5	1565.670	1564.395	1563.119	1566.946	1568.859
7.0	1564.395	1563.119	1562.482	1566.308	1568.221
7.5	1563.119	1561.844	1560.568	1565.033	1566.946
8.0	1561.206	1559.931	1559.293	1564.395	1566.308
8.5	1559.931	1558.017	1558.017	1563.119	1565.670
9.0	1558.017	1556.742	1556.742	1562.482	1565.033
9.5	1556.104	1554.829	1555.466	1561.206	1563.757
10.0	1553.553	1552.915	1553.553	1559.931	1563.119
10.5	1552.278	1550.364	1552.278	1559.293	1562.482
11.0	1549.727	1548.451	1550.364	1558.017	1561.206
11.5	1547.176	1545.900	1548.451	1556.742	1559.931
12.0	1544.625	1543.349	1546.538	1555.466	1559.293
12.5	1542.074	1540.798	1544.625	1554.191	1557.380
13.0	1538.885	1538.247	1542.711	1552.915	1556.742
13.5	1536.334	1535.696	1540.798	1551.002	1555.466
14.0	1533.145	1532.507	1538.247	1549.089	1554.191
14.5	1529.319	1529.956	1535.696	1547.176	1552.915
15.0	1526.768	1526.768	1533.145	1545.900	1551.002
15.5	1522.941	1522.941	1530.594	1543.349	1549.727
16.0	1519.752	1519.752	1528.043	1541.436	1547.176
16.5	1516.564	1516.564	1525.492	1538.885	1545.262
17.0	1512.737	1512.737	1522.303	1536.334	1543.349
17.5	1508.911	1509.549	1519.115	1533.783	1540.798
18.0	1505.084	1505.722	1516.564	1531.232	1538.247
18.5	1501.258	1502.533	1513.375	1528.043	1535.058
19.0	1496.794	1498.707	1510.186	1525.492	1531.870
19.5	1492.967	1494.243	1506.998	1522.303	1528.681
20.0	1488.503	1490.416	1503.809	1519.115	1525.492
20.5	1484.039	1486.590	1499.982	1515.926	1522.303
21.0	1479.574	1482.125	1496.156	1512.737	1518.477
21.5	1474.472	1477.661	1492.329	1508.911	1515.288
22.0	1470.008	1473.197	1488.503	1505.722	1512.100
22.5	1464.906	1468.733	1484.676	1501.896	1508.911
23.0	1460.442	1464.268	1480.850	1498.707	1505.722
23.5	1454.702	1459.166	1476.386	1494.880	1501.896
24.0	1448.963	1454.064	1471.921	1491.054	1498.707
24.5	1443.861	1448.963	1467.457	1487.865	1495.518
25.0	1438.121	1443.861	1463.631	1484.039	1491.692
25.5	1432.381	1438.121	1458.529	1480.212	1488.503
26.0	1426.641	1432.381	1454.064	1476.386	1485.314
26.5	1420.264	1426.641	1449.600	1472.559	1481.488

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L60-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	1413.886	1420.902	1444.498	1468.733	1477.661
27.5	1407.509	1414.524	1440.034	1464.268	1473.835
28.0	1400.494	1408.784	1434.932	1459.804	1470.008
28.5	1394.116	1402.407	1429.830	1455.340	1465.544
29.0	1387.101	1396.029	1424.090	1450.238	1461.080
29.5	1380.086	1389.652	1418.988	1445.136	1455.978
30.0	1373.071	1383.275	1413.249	1440.034	1450.876
30.5	1365.418	1376.259	1407.509	1434.932	1445.774
31.0	1358.402	1369.882	1401.131	1429.192	1440.034
31.5	1351.387	1362.867	1395.392	1423.453	1434.294
32.0	1343.734	1356.489	1389.014	1417.713	1428.555
32.5	1336.081	1349.474	1382.637	1411.335	1422.815
33.0	1329.066	1341.821	1376.259	1405.596	1416.437
33.5	1320.775	1334.806	1369.882	1399.218	1410.698
34.0	1313.122	1327.153	1362.867	1392.841	1404.320
34.5	1304.832	1320.138	1355.851	1386.463	1397.943
35.0	1296.541	1312.485	1349.474	1380.086	1391.565
35.5	1288.888	1304.832	1342.459	1373.708	1385.188
36.0	1279.959	1297.179	1335.443	1366.693	1378.810
36.5	1271.031	1289.526	1327.790	1360.316	1371.795
37.0	1262.102	1281.235	1320.775	1353.300	1364.780
37.5	1253.812	1273.582	1313.122	1346.285	1357.765
38.0	1244.883	1264.653	1306.107	1338.632	1350.749
38.5	1235.955	1256.363	1298.454	1331.617	1343.734
39.0	1227.026	1248.072	1290.163	1323.964	1336.081
39.5	1218.098	1239.781	1282.510	1316.311	1328.428
40.0	1208.532	1231.491	1274.857	1308.658	1320.775
40.5	1199.603	1221.924	1266.567	1300.367	1313.122
41.0	1190.037	1212.996	1258.276	1292.077	1304.832
41.5	1180.471	1204.067	1249.348	1284.424	1296.541
42.0	1170.905	1195.139	1241.057	1275.495	1288.250
42.5	1161.338	1185.573	1232.128	1267.204	1279.322
43.0	1151.134	1176.007	1223.200	1258.914	1271.031
43.5	1140.930	1166.440	1214.271	1249.985	1262.102
44.0	1130.726	1156.874	1205.343	1241.057	1253.174
44.5	1120.523	1147.308	1195.777	1231.491	1244.246
45.0	1109.681	1137.104	1186.848	1222.562	1235.317
45.5	1099.477	1127.538	1177.920	1212.996	1225.751
46.0	1088.635	1117.334	1168.354	1203.430	1215.547
46.5	1077.793	1107.130	1158.787	1193.863	1205.981
47.0	1066.314	1096.926	1148.583	1183.660	1195.777
47.5	1055.472	1086.722	1139.017	1174.093	1186.211
48.0	1044.631	1076.518	1128.813	1163.889	1175.369
48.5	1033.151	1066.952	1119.247	1154.323	1165.165
49.0	1022.309	1056.110	1109.043	1144.119	1154.323
49.5	1011.468	1045.906	1098.839	1133.277	1143.481
50.0	1000.626	1035.702	1088.635	1122.436	1133.277
50.5	989.147	1025.498	1078.431	1111.594	1122.436
51.0	978.305	1014.656	1067.589	1100.752	1110.956
51.5	966.825	1003.815	1057.385	1089.911	1099.477
52.0	955.346	992.973	1046.544	1078.431	1087.997
52.5	943.866	982.131	1035.702	1066.952	1076.518
53.0	932.387	971.290	1024.860	1055.472	1064.401
53.5	920.908	960.448	1014.019	1043.993	1051.646
54.0	909.428	949.606	1002.539	1031.876	1038.891
54.5	897.311	938.764	991.697	1019.758	1026.136

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L60-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	885.194	927.923	980.218	1007.003	1013.381
55.5	873.714	916.443	968.101	994.248	999.988
56.0	861.597	904.964	956.621	980.856	986.596
56.5	849.480	893.484	944.504	968.101	972.565
57.0	837.363	882.005	932.387	954.070	957.897
57.5	824.608	870.525	920.270	940.678	942.591
58.0	812.490	858.408	908.153	926.647	927.923
58.5	800.373	846.929	895.398	912.617	911.979
59.0	788.256	835.449	882.643	897.949	896.673
59.5	776.139	823.970	870.525	882.643	880.729
60.0	763.384	812.490	857.771	867.974	863.510
60.5	751.267	801.011	845.016	852.669	846.929
61.0	738.512	788.894	832.898	837.363	829.072
61.5	726.395	777.414	820.143	821.419	811.215
62.0	713.640	765.297	806.751	805.475	792.083
62.5	700.885	753.818	792.720	788.256	772.950
63.0	688.130	741.700	779.328	771.037	753.180
63.5	675.375	728.945	765.297	753.180	732.134
64.0	662.620	716.828	751.267	734.047	710.451
64.5	649.227	704.711	735.961	714.915	688.130
65.0	635.898	691.956	721.293	693.869	663.895
65.5	622.442	679.201	705.987	671.548	638.385
66.0	608.539	665.808	689.405	648.589	611.536
66.5	594.508	652.416	672.824	625.312	584.368
67.0	580.605	638.385	656.242	599.993	555.925
67.5	566.320	624.929	638.385	574.547	527.290
68.0	551.843	611.090	619.636	548.017	500.185
68.5	537.366	596.932	600.631	521.422	472.954
69.0	522.570	582.582	580.988	494.956	443.745
69.5	508.795	568.297	560.899	468.553	414.153
70.0	496.040	553.884	540.300	440.237	385.646
70.5	483.732	539.088	520.274	411.921	357.840
71.0	468.872	524.611	499.037	383.924	331.310
71.5	453.694	511.984	477.354	356.310	306.246
72.0	438.707	497.060	455.097	329.779	281.884
72.5	423.719	483.859	429.906	304.078	258.543
73.0	408.605	469.255	404.906	280.163	237.497
73.5	394.064	453.885	378.695	258.033	218.237
74.0	379.396	438.388	352.930	236.923	200.572
74.5	364.792	422.380	326.846	217.344	184.245
75.0	349.741	406.245	300.953	199.232	169.003
75.5	335.264	389.664	276.017	182.460	155.419
76.0	321.297	372.700	251.847	167.217	142.664
76.5	306.629	355.927	229.143	153.378	131.248
77.0	292.471	338.516	208.225	140.687	120.853
77.5	277.803	321.042	188.965	129.335	111.351
78.0	263.772	303.058	171.171	119.195	103.124
78.5	249.678	284.053	155.100	109.693	95.471
79.0	235.584	265.048	140.942	101.019	88.200
79.5	221.681	245.724	127.932	93.175	81.823
80.0	208.033	226.018	116.198	85.968	76.147
80.5	194.322	205.865	105.611	79.527	70.981
81.0	180.355	186.095	95.853	73.532	66.262
81.5	166.643	166.325	86.925	68.111	61.670
82.0	153.315	147.383	78.889	63.009	57.015
82.5	140.113	130.037	71.619	58.035	52.614

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L60-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	126.657	113.965	64.923	52.933	48.341
83.5	113.710	99.999	58.864	48.277	44.451
84.0	101.211	87.563	52.933	43.877	40.816
84.5	89.922	76.530	47.130	39.668	37.436
85.0	79.463	66.645	41.517	35.905	34.502
85.5	69.897	57.589	36.288	32.589	32.206
86.0	60.076	49.234	31.441	29.847	30.102
86.5	50.446	41.454	27.040	27.040	27.359
87.0	40.880	33.864	23.278	23.660	23.342
87.5	31.951	26.722	19.643	19.196	18.877
88.0	23.724	20.153	15.370	15.433	15.944
88.5	16.390	14.094	11.033	12.245	12.436
89.0	10.204	8.801	7.398	7.525	7.462
89.5	4.847	4.528	3.508	3.508	3.253
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-24-L60-935-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-24-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-24-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-24-L60-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	583.46	N.A.	11.80
0-30	1258.95	N.A.	25.60
0-40	2101.83	N.A.	42.70
0-60	3873.82	N.A.	78.60
0-80	4864.11	N.A.	98.70
0-90	4926.71	N.A.	100.00
10-90	4777.37	N.A.	97.00
20-40	1518.37	N.A.	30.80
20-50	2428.36	N.A.	49.30
40-70	2445.24	N.A.	49.60
60-80	990.30	N.A.	20.10
70-80	317.05	N.A.	6.40
80-90	62.60	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	4926.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.35
10-20	434.12
20-30	675.49
30-40	842.88
40-50	910.00
50-60	861.99
60-70	673.25
70-80	317.05
80-90	62.60
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-L60-935-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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	90	84	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	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	42	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-L60-935-DIM-UNV_.IES

UGR TABLE - CORRECTED

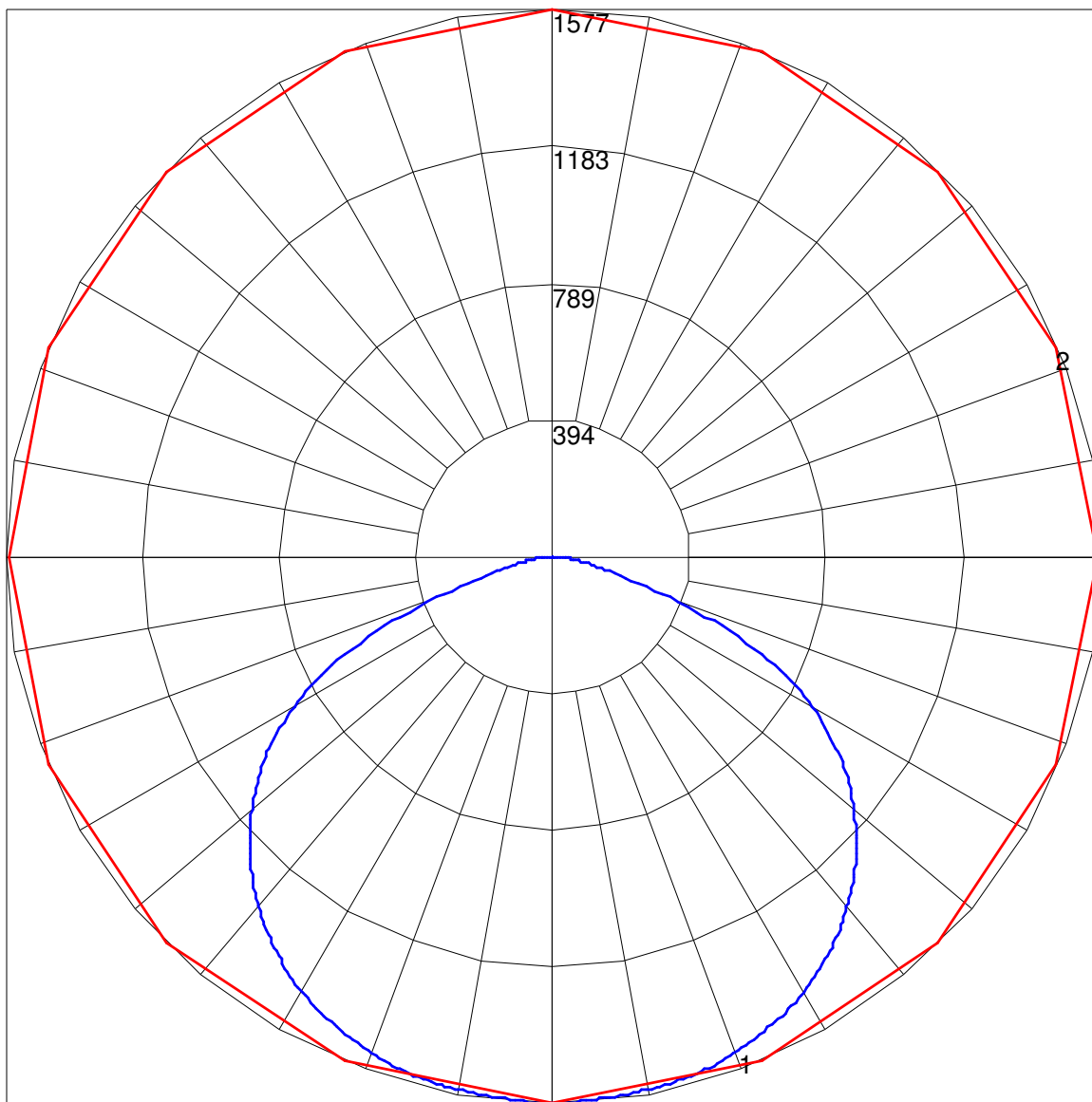
Reflectances

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	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	18.7	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 = 1577.15 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.)