



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L50-850-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-L50-850-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	5207
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
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	4735	5150	5468
55	4600	5246	5582
65	4368	5225	5112
75	3661	3824	2112
85	2599	2230	1247

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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	1691.744	1691.744	1691.744	1691.744	1691.744
0.5	1690.388	1694.455	1691.744	1690.388	1690.388
1.0	1689.033	1694.455	1691.744	1690.388	1690.388
1.5	1689.033	1693.099	1691.744	1689.033	1690.388
2.0	1689.033	1693.099	1690.388	1689.033	1689.033
2.5	1689.033	1693.099	1689.033	1687.677	1687.677
3.0	1687.677	1691.744	1687.677	1686.322	1687.677
3.5	1686.322	1690.388	1686.322	1686.322	1686.322
4.0	1684.966	1689.033	1686.322	1684.966	1684.966
4.5	1683.610	1687.677	1683.610	1683.610	1683.610
5.0	1682.255	1684.966	1682.255	1682.255	1683.610
5.5	1680.899	1683.610	1680.899	1680.899	1682.255
6.0	1678.188	1682.255	1679.544	1679.544	1680.899
6.5	1676.833	1679.544	1678.188	1679.544	1679.544
7.0	1675.477	1678.188	1676.833	1678.188	1679.544
7.5	1672.766	1675.477	1674.122	1676.833	1678.188
8.0	1671.410	1674.122	1672.766	1675.477	1676.833
8.5	1668.699	1671.410	1671.410	1674.122	1675.477
9.0	1665.988	1668.699	1668.699	1672.766	1675.477
9.5	1663.277	1665.988	1667.344	1671.410	1674.122
10.0	1661.921	1664.633	1665.988	1670.055	1672.766
10.5	1659.210	1661.921	1663.277	1668.699	1672.766
11.0	1656.499	1659.210	1661.921	1667.344	1671.410
11.5	1653.788	1656.499	1659.210	1665.988	1670.055
12.0	1651.077	1653.788	1657.855	1664.633	1668.699
12.5	1648.366	1651.077	1655.144	1663.277	1668.699
13.0	1644.299	1648.366	1653.788	1661.921	1667.344
13.5	1641.588	1645.655	1651.077	1660.566	1665.988
14.0	1637.521	1641.588	1648.366	1659.210	1664.633
14.5	1634.810	1638.877	1645.655	1656.499	1663.277
15.0	1630.743	1634.810	1642.944	1655.144	1661.921
15.5	1626.677	1630.743	1640.232	1652.433	1659.210
16.0	1622.610	1626.677	1637.521	1649.721	1657.855
16.5	1618.543	1622.610	1633.455	1648.366	1655.144
17.0	1613.121	1618.543	1630.743	1644.299	1653.788
17.5	1609.054	1614.477	1626.677	1641.588	1649.721
18.0	1603.632	1609.054	1622.610	1638.877	1647.010
18.5	1598.210	1603.632	1618.543	1634.810	1644.299
19.0	1592.788	1599.566	1614.477	1632.099	1641.588
19.5	1588.721	1594.143	1610.410	1628.032	1637.521
20.0	1581.943	1588.721	1606.343	1625.321	1634.810
20.5	1576.521	1583.299	1600.921	1621.255	1632.099
21.0	1571.099	1577.876	1596.854	1617.188	1628.032
21.5	1565.676	1572.454	1591.432	1613.121	1623.966
22.0	1558.899	1567.032	1586.010	1609.054	1619.899
22.5	1552.121	1560.254	1581.943	1604.988	1615.832
23.0	1546.699	1554.832	1576.521	1600.921	1613.121
23.5	1539.921	1549.410	1572.454	1596.854	1609.054
24.0	1534.498	1543.987	1567.032	1592.788	1604.988
24.5	1526.365	1537.210	1562.965	1588.721	1602.277
25.0	1520.943	1530.432	1557.543	1584.654	1598.210
25.5	1514.165	1525.009	1553.476	1580.588	1595.499
26.0	1507.387	1518.232	1548.054	1576.521	1591.432
26.5	1500.609	1512.809	1542.632	1572.454	1588.721

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27.0	1492.476	1506.032	1537.210	1568.388	1584.654
27.5	1485.698	1499.254	1533.143	1564.321	1580.588
28.0	1478.920	1492.476	1527.721	1558.899	1575.165
28.5	1470.787	1485.698	1520.943	1553.476	1571.099
29.0	1462.654	1477.565	1515.521	1548.054	1565.676
29.5	1455.876	1470.787	1508.743	1542.632	1560.254
30.0	1447.742	1464.009	1501.965	1537.210	1554.832
30.5	1439.609	1455.876	1495.187	1530.432	1549.410
31.0	1431.476	1449.098	1488.409	1525.009	1542.632
31.5	1421.987	1440.965	1481.631	1518.232	1537.210
32.0	1413.853	1432.831	1473.498	1511.454	1530.432
32.5	1405.720	1424.698	1466.720	1504.676	1523.654
33.0	1396.231	1415.209	1458.587	1497.898	1516.876
33.5	1386.742	1407.075	1451.809	1491.120	1510.098
34.0	1377.253	1397.586	1443.676	1482.987	1503.320
34.5	1367.764	1389.453	1435.542	1476.209	1496.543
35.0	1358.275	1379.964	1427.409	1469.431	1489.765
35.5	1348.922	1371.831	1419.276	1462.654	1482.987
36.0	1339.433	1362.342	1411.142	1454.520	1476.209
36.5	1329.402	1353.260	1404.364	1447.742	1469.431
37.0	1319.642	1344.042	1394.875	1439.609	1462.654
37.5	1309.339	1334.688	1386.742	1432.831	1454.520
38.0	1298.766	1325.335	1378.609	1424.698	1446.387
38.5	1288.328	1315.439	1369.120	1416.564	1439.609
39.0	1277.755	1305.815	1360.986	1408.431	1431.476
39.5	1267.181	1296.055	1351.904	1400.298	1421.987
40.0	1256.608	1285.752	1342.551	1390.809	1413.853
40.5	1245.763	1275.721	1333.062	1381.320	1405.720
41.0	1234.241	1265.419	1324.115	1373.186	1396.231
41.5	1223.532	1254.981	1314.490	1363.697	1388.098
42.0	1212.281	1244.408	1304.730	1354.073	1378.609
42.5	1201.301	1233.834	1294.699	1344.719	1369.120
43.0	1189.914	1223.397	1284.939	1335.366	1359.631
43.5	1178.527	1212.281	1275.179	1325.877	1350.820
44.0	1167.412	1201.165	1265.012	1316.117	1341.059
44.5	1156.025	1190.321	1254.846	1306.493	1331.299
45.0	1144.096	1179.341	1244.543	1296.597	1321.268
45.5	1132.709	1168.089	1234.241	1286.566	1311.101
46.0	1120.916	1157.109	1223.668	1276.535	1300.935
46.5	1109.258	1145.723	1213.094	1266.232	1291.175
47.0	1097.058	1134.336	1202.385	1255.794	1281.008
47.5	1084.451	1122.949	1191.812	1244.950	1270.163
48.0	1072.251	1111.562	1180.832	1234.105	1259.726
48.5	1063.847	1099.905	1169.852	1223.397	1248.339
49.0	1059.509	1088.789	1158.465	1212.416	1237.901
49.5	1047.038	1079.436	1147.349	1201.707	1226.650
50.0	1034.295	1069.540	1135.963	1190.321	1215.263
50.5	1021.689	1060.729	1124.576	1178.663	1204.012
51.0	1008.540	1049.478	1113.189	1167.005	1192.490
51.5	995.662	1037.549	1101.667	1155.212	1180.154
52.0	982.513	1027.924	1091.365	1143.418	1168.089
52.5	969.499	1015.995	1081.876	1131.489	1155.754
53.0	956.079	1003.660	1070.489	1118.747	1143.418
53.5	942.388	991.053	1061.271	1106.276	1130.134
54.0	928.697	978.446	1051.104	1093.398	1116.714
54.5	915.006	965.839	1038.633	1083.367	1103.565

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55.0	901.721	953.097	1028.331	1072.793	1094.076
55.5	888.166	940.490	1016.266	1059.509	1082.282
56.0	874.610	927.477	1003.388	1046.495	1067.642
56.5	860.919	914.463	990.104	1037.006	1052.731
57.0	847.092	901.043	976.684	1023.180	1037.549
57.5	833.265	887.894	963.264	1008.675	1027.924
58.0	819.710	874.881	949.979	994.171	1012.064
58.5	806.289	862.003	936.559	979.531	996.204
59.0	792.463	849.125	923.004	964.213	979.802
59.5	778.772	835.705	909.177	948.759	963.264
60.0	764.809	822.692	895.486	932.899	945.913
60.5	751.118	809.543	881.794	917.446	928.155
61.0	737.833	796.665	868.103	901.450	910.261
61.5	724.278	784.194	854.819	885.454	892.097
62.0	711.129	771.858	841.127	869.188	873.661
62.5	697.709	759.116	827.301	851.972	854.005
63.0	684.560	746.374	813.474	834.485	833.401
63.5	671.275	733.902	799.241	816.185	811.169
64.0	657.855	721.296	784.872	796.936	787.989
64.5	644.706	708.282	769.960	776.738	763.860
65.0	630.879	695.269	754.642	755.320	738.240
65.5	616.646	681.713	738.918	732.818	711.129
66.0	602.277	667.615	721.973	708.824	682.255
66.5	587.773	653.246	704.215	683.475	651.349
67.0	572.319	638.335	686.186	657.177	620.848
67.5	557.001	623.153	667.615	630.473	588.857
68.0	541.412	607.699	648.637	602.277	556.730
68.5	525.959	591.975	628.846	573.675	523.790
69.0	509.285	575.979	608.377	544.259	491.392
69.5	492.883	559.983	587.773	514.437	458.587
70.0	476.887	543.852	567.168	484.614	427.409
70.5	460.756	527.586	545.479	456.147	396.774
71.0	445.167	511.590	523.654	427.138	367.222
71.5	429.714	495.594	501.152	399.214	338.891
72.0	414.260	479.599	478.785	372.373	312.322
72.5	398.671	463.332	455.605	346.618	286.973
73.0	383.489	447.201	431.476	321.811	264.064
73.5	368.442	431.069	407.618	298.631	242.239
74.0	353.667	415.074	384.302	276.399	222.177
74.5	338.620	398.400	361.122	255.930	203.741
75.0	323.844	381.998	338.213	237.224	186.797
75.5	309.611	365.189	315.982	219.601	171.614
76.0	295.377	348.651	294.835	202.792	156.974
76.5	281.280	332.113	274.773	187.746	144.368
77.0	267.588	315.711	255.795	174.054	132.981
77.5	253.897	299.580	237.901	161.583	122.543
78.0	240.341	283.313	221.499	150.061	113.190
78.5	227.599	267.859	206.181	139.352	104.514
79.0	215.399	252.813	191.812	129.321	96.652
79.5	203.606	238.308	178.528	120.374	89.603
80.0	192.219	224.753	166.057	111.970	83.232
80.5	180.426	211.875	154.399	103.972	77.538
81.0	168.632	199.132	143.419	96.652	72.116
81.5	157.381	186.390	132.845	89.603	67.372
82.0	145.859	174.054	122.679	83.096	62.356
82.5	134.336	161.448	112.918	76.454	57.340

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CANDELA TABULATION - (Cont.)

83.0	122.543	148.570	103.430	69.676	52.731
83.5	111.292	135.963	94.076	63.305	48.529
84.0	99.905	123.356	84.994	57.205	44.462
84.5	88.654	110.207	75.776	51.105	40.667
85.0	77.403	97.058	66.423	45.411	37.142
85.5	66.829	83.774	57.340	40.125	34.431
86.0	56.391	70.625	48.529	35.516	32.127
86.5	46.360	57.611	39.854	31.178	29.416
87.0	37.278	45.276	31.720	26.569	25.756
87.5	29.009	33.889	24.671	21.282	20.469
88.0	21.825	23.993	18.029	17.080	17.758
88.5	15.182	16.131	13.149	13.691	14.640
89.0	9.353	10.438	9.218	9.082	9.353
89.5	7.727	7.998	7.862	9.082	8.947
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-L50-850-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-L50-850-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-L50-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	624.67	N.A.	12.00
0-30	1343.9	N.A.	25.80
0-40	2236.24	N.A.	42.90
0-60	4095.01	N.A.	78.60
0-80	5130.36	N.A.	98.50
0-90	5207.38	N.A.	100.00
10-90	5047.23	N.A.	96.90
20-40	1611.57	N.A.	30.90
20-50	2567.08	N.A.	49.30
40-70	2562.86	N.A.	49.20
60-80	1035.35	N.A.	19.90
70-80	331.27	N.A.	6.40
80-90	77.02	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	5207.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	160.15
10-20	464.52
20-30	719.23
30-40	892.34
40-50	955.51
50-60	903.26
60-70	704.08
70-80	331.27
80-90	77.02
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-L50-850-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	88	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-L50-850-DIM-UNV_.IES

UGR TABLE - CORRECTED

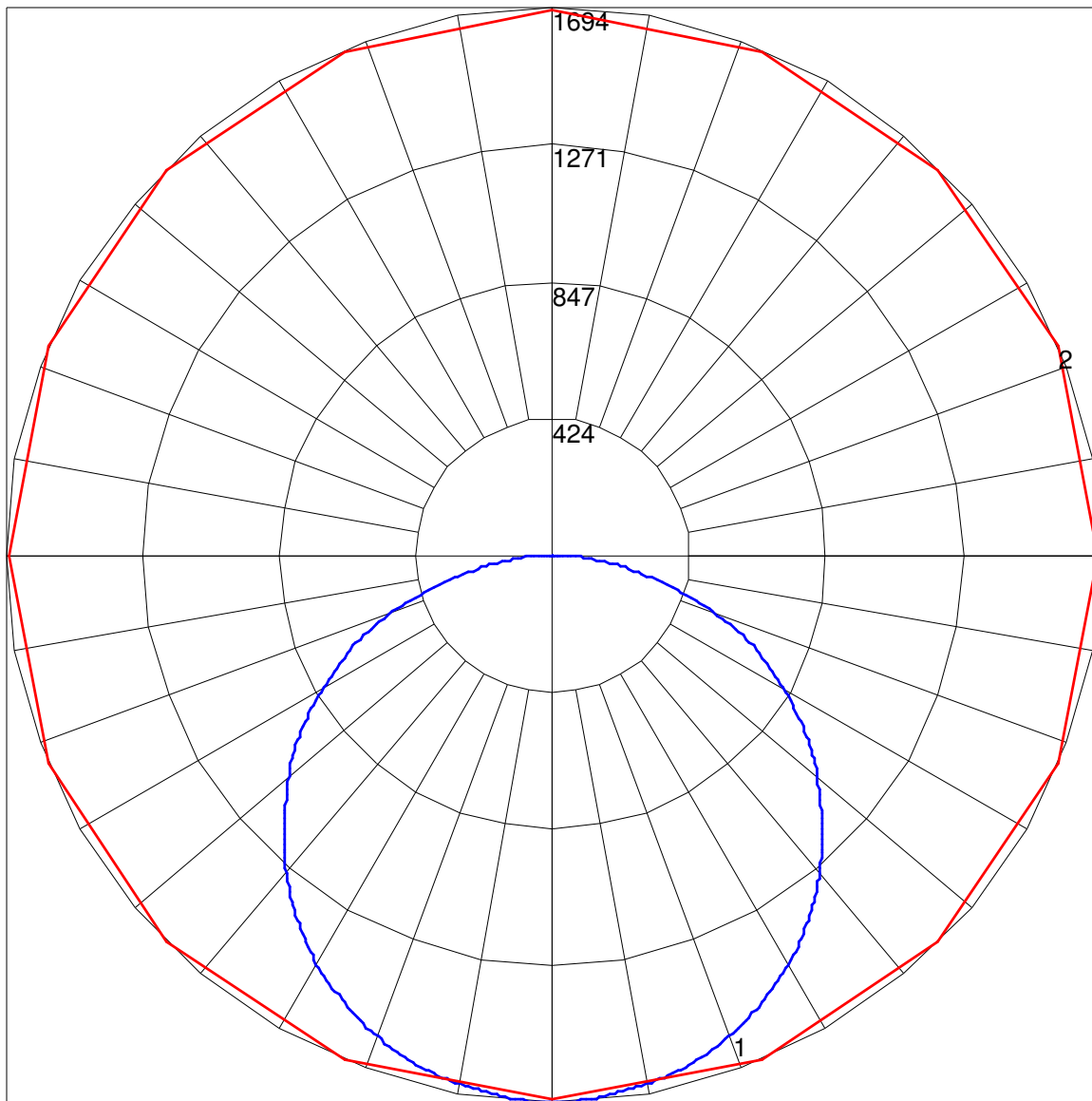
Reflectances

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	17.6	19.3	18.0	19.6	19.9	18.6	20.3	19.0	20.6	20.9
	3H	19.5	21.0	19.9	21.3	21.7	20.0	21.6	20.4	21.9	22.2
	4H	20.2	21.6	20.6	21.9	22.3	20.3	21.7	20.7	22.0	22.4
	6H	20.6	21.9	21.0	22.3	22.7	20.3	21.6	20.7	22.0	22.4
	8H	20.8	22.0	21.2	22.4	22.8	20.3	21.6	20.8	22.0	22.4
	12H	20.8	22.0	21.2	22.4	22.8	20.3	21.5	20.7	21.9	22.3
4H	2H	18.5	19.9	18.9	20.3	20.6	19.3	20.7	19.7	21.0	21.4
	3H	20.6	21.8	21.0	22.2	22.6	20.9	22.1	21.3	22.5	22.9
	4H	21.4	22.4	21.8	22.8	23.3	21.1	22.2	21.6	22.6	23.1
	6H	21.9	22.9	22.4	23.3	23.8	21.3	22.2	21.7	22.6	23.1
	8H	22.1	23.0	22.6	23.4	23.9	21.3	22.2	21.7	22.6	23.1
	12H	22.2	23.0	22.7	23.5	24.0	21.3	22.1	21.8	22.6	23.0
8H	4H	21.6	22.5	22.1	22.9	23.4	21.4	22.3	21.9	22.7	23.2
	6H	22.3	23.0	22.8	23.5	24.0	21.6	22.3	22.1	22.8	23.3
	8H	22.6	23.2	23.1	23.7	24.2	21.6	22.3	22.2	22.8	23.3
	12H	22.8	23.4	23.3	23.8	24.4	21.7	22.3	22.2	22.7	23.3
12H	4H	21.6	22.4	22.1	22.9	23.3	21.4	22.2	21.9	22.7	23.2
	6H	22.3	23.0	22.9	23.4	24.0	21.7	22.3	22.2	22.8	23.3
	8H	22.6	23.2	23.1	23.7	24.3	21.7	22.3	22.2	22.8	23.3

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 1694.455 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.)