



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-22-L50-840-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-L50-840-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	5060
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	4601	5005	5313
55	4470	5098	5424
65	4245	5077	4967
75	3558	3716	2052
85	2525	2167	1212

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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	1643.864	1643.864	1643.864	1643.864	1643.864
0.5	1642.547	1646.499	1643.864	1642.547	1642.547
1.0	1641.230	1646.499	1643.864	1642.547	1642.547
1.5	1641.230	1645.182	1643.864	1641.230	1642.547
2.0	1641.230	1645.182	1642.547	1641.230	1641.230
2.5	1641.230	1645.182	1641.230	1639.913	1639.913
3.0	1639.913	1643.864	1639.913	1638.596	1639.913
3.5	1638.596	1642.547	1638.596	1638.596	1638.596
4.0	1637.278	1641.230	1638.596	1637.278	1637.278
4.5	1635.961	1639.913	1635.961	1635.961	1635.961
5.0	1634.644	1637.278	1634.644	1634.644	1635.961
5.5	1633.327	1635.961	1633.327	1633.327	1634.644
6.0	1630.692	1634.644	1632.010	1632.010	1633.327
6.5	1629.375	1632.010	1630.692	1632.010	1632.010
7.0	1628.058	1630.692	1629.375	1630.692	1632.010
7.5	1625.424	1628.058	1626.741	1629.375	1630.692
8.0	1624.106	1626.741	1625.424	1628.058	1629.375
8.5	1621.472	1624.106	1624.106	1626.741	1628.058
9.0	1618.838	1621.472	1621.472	1625.424	1628.058
9.5	1616.203	1618.838	1620.155	1624.106	1626.741
10.0	1614.886	1617.520	1618.838	1622.789	1625.424
10.5	1612.252	1614.886	1616.203	1621.472	1625.424
11.0	1609.617	1612.252	1614.886	1620.155	1624.106
11.5	1606.983	1609.617	1612.252	1618.838	1622.789
12.0	1604.348	1606.983	1610.934	1617.520	1621.472
12.5	1601.714	1604.348	1608.300	1616.203	1621.472
13.0	1597.762	1601.714	1606.983	1614.886	1620.155
13.5	1595.128	1599.080	1604.348	1613.569	1618.838
14.0	1591.176	1595.128	1601.714	1612.252	1617.520
14.5	1588.542	1592.494	1599.080	1609.617	1616.203
15.0	1584.590	1588.542	1596.445	1608.300	1614.886
15.5	1580.639	1584.590	1593.811	1605.666	1612.252
16.0	1576.687	1580.639	1591.176	1603.031	1610.934
16.5	1572.736	1576.687	1587.225	1601.714	1608.300
17.0	1567.467	1572.736	1584.590	1597.762	1606.983
17.5	1563.515	1568.784	1580.639	1595.128	1603.031
18.0	1558.246	1563.515	1576.687	1592.494	1600.397
18.5	1552.978	1558.246	1572.736	1588.542	1597.762
19.0	1547.709	1554.295	1568.784	1585.908	1595.128
19.5	1543.757	1549.026	1564.832	1581.956	1591.176
20.0	1537.171	1543.757	1560.881	1579.322	1588.542
20.5	1531.902	1538.488	1555.612	1575.370	1585.908
21.0	1526.634	1533.220	1551.660	1571.418	1581.956
21.5	1521.365	1527.951	1546.392	1567.467	1578.004
22.0	1514.779	1522.682	1541.123	1563.515	1574.053
22.5	1508.193	1516.096	1537.171	1559.564	1570.101
23.0	1502.924	1510.827	1531.902	1555.612	1567.467
23.5	1496.338	1505.558	1527.951	1551.660	1563.515
24.0	1491.069	1500.290	1522.682	1547.709	1559.564
24.5	1483.166	1493.704	1518.730	1543.757	1556.929
25.0	1477.897	1487.118	1513.462	1539.806	1552.978
25.5	1471.311	1481.849	1509.510	1535.854	1550.343
26.0	1464.725	1475.263	1504.241	1531.902	1546.392
26.5	1458.139	1469.994	1498.972	1527.951	1543.757

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CANDELA TABULATION - (Cont.)

27.0	1450.236	1463.408	1493.704	1523.999	1539.806
27.5	1443.650	1456.822	1489.752	1520.048	1535.854
28.0	1437.064	1450.236	1484.483	1514.779	1530.585
28.5	1429.161	1443.650	1477.897	1509.510	1526.634
29.0	1421.258	1435.747	1472.628	1504.241	1521.365
29.5	1414.672	1429.161	1466.042	1498.972	1516.096
30.0	1406.769	1422.575	1459.456	1493.704	1510.827
30.5	1398.865	1414.672	1452.870	1487.118	1505.558
31.0	1390.962	1408.086	1446.284	1481.849	1498.972
31.5	1381.742	1400.183	1439.698	1475.263	1493.704
32.0	1373.839	1392.279	1431.795	1468.677	1487.118
32.5	1365.935	1384.376	1425.209	1462.091	1480.532
33.0	1356.715	1375.156	1417.306	1455.505	1473.946
33.5	1347.495	1367.253	1410.720	1448.919	1467.360
34.0	1338.274	1358.032	1402.817	1441.016	1460.774
34.5	1329.054	1350.129	1394.914	1434.430	1454.188
35.0	1319.833	1340.909	1387.011	1427.844	1447.602
35.5	1310.745	1333.005	1379.107	1421.258	1441.016
36.0	1301.524	1323.785	1371.204	1413.355	1434.430
36.5	1291.777	1314.960	1364.618	1406.769	1427.844
37.0	1282.293	1306.003	1355.398	1398.865	1421.258
37.5	1272.283	1296.914	1347.495	1392.279	1413.355
38.0	1262.008	1287.825	1339.591	1384.376	1405.451
38.5	1251.866	1278.210	1330.371	1376.473	1398.865
39.0	1241.592	1268.858	1322.468	1368.570	1390.962
39.5	1231.318	1259.374	1313.643	1360.667	1381.742
40.0	1221.043	1249.363	1304.554	1351.446	1373.839
40.5	1210.506	1239.616	1295.333	1342.226	1365.935
41.0	1199.310	1229.605	1286.640	1334.323	1356.715
41.5	1188.904	1219.463	1277.288	1325.102	1348.812
42.0	1177.971	1209.189	1267.804	1315.750	1339.591
42.5	1167.302	1198.915	1258.057	1306.661	1330.371
43.0	1156.237	1188.772	1248.573	1297.573	1321.151
43.5	1145.173	1177.971	1239.089	1288.352	1312.589
44.0	1134.372	1167.170	1229.210	1278.869	1303.105
44.5	1123.307	1156.632	1219.331	1269.516	1293.621
45.0	1111.716	1145.963	1209.320	1259.901	1283.874
45.5	1100.651	1135.030	1199.310	1250.154	1273.995
46.0	1089.192	1124.361	1189.036	1240.406	1264.116
46.5	1077.864	1113.297	1178.761	1230.396	1254.632
47.0	1066.009	1102.232	1168.356	1220.253	1244.753
47.5	1053.759	1091.168	1158.081	1209.716	1234.215
48.0	1041.904	1080.103	1147.412	1199.178	1224.073
48.5	1033.738	1068.775	1136.743	1188.772	1213.009
49.0	1029.523	1057.974	1125.678	1178.103	1202.866
49.5	1017.405	1048.886	1114.877	1167.697	1191.933
50.0	1005.023	1039.270	1103.813	1156.632	1180.869
50.5	992.773	1030.708	1092.748	1145.305	1169.936
51.0	979.996	1019.775	1081.684	1133.977	1158.740
51.5	967.483	1008.184	1070.488	1122.517	1146.753
52.0	954.706	998.832	1060.477	1111.057	1135.030
52.5	942.061	987.241	1051.257	1099.466	1123.044
53.0	929.020	975.254	1040.192	1087.084	1111.057
53.5	915.717	963.004	1031.235	1074.966	1098.149
54.0	902.413	950.754	1021.356	1062.453	1085.109
54.5	889.109	938.504	1009.238	1052.705	1072.332

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55.0	876.201	926.123	999.227	1042.431	1063.111
55.5	863.029	913.873	987.504	1029.523	1051.652
56.0	849.857	901.228	974.991	1016.878	1037.426
56.5	836.553	888.582	962.082	1007.657	1022.937
57.0	823.118	875.542	949.042	994.222	1008.184
57.5	809.682	862.765	936.002	980.128	998.832
58.0	796.510	850.120	923.093	966.034	983.421
58.5	783.470	837.607	910.053	951.808	968.010
59.0	770.035	825.093	896.881	936.924	952.071
59.5	756.731	812.053	883.445	921.908	936.002
60.0	743.164	799.408	870.142	906.496	919.141
60.5	729.860	786.631	856.838	891.480	901.886
61.0	716.951	774.118	843.534	875.937	884.499
61.5	703.779	762.000	830.626	860.394	866.849
62.0	691.003	750.013	817.322	844.588	848.935
62.5	677.962	737.631	803.887	827.860	829.835
63.0	665.185	725.250	790.451	810.868	809.814
63.5	652.277	713.132	776.621	793.086	788.212
64.0	639.237	700.882	762.658	774.381	765.688
64.5	626.460	688.236	748.169	754.755	742.242
65.0	613.024	675.591	733.285	733.943	717.347
65.5	599.194	662.419	718.005	712.078	691.003
66.0	585.232	648.721	701.540	688.763	662.946
66.5	571.137	634.758	684.285	664.132	632.914
67.0	556.121	620.269	666.766	638.578	603.277
67.5	541.237	605.516	648.721	612.629	572.191
68.0	526.089	590.500	630.280	585.232	540.974
68.5	511.073	575.221	611.049	557.439	508.966
69.0	494.872	559.678	591.159	528.855	477.485
69.5	478.934	544.135	571.137	499.877	445.608
70.0	463.391	528.460	551.116	470.899	415.313
70.5	447.716	512.654	530.041	443.237	385.544
71.0	432.568	497.111	508.834	415.049	356.829
71.5	417.552	481.568	486.968	387.915	329.300
72.0	402.536	466.025	465.235	361.835	303.483
72.5	387.388	450.219	442.711	336.808	278.851
73.0	372.636	434.544	419.264	312.703	256.590
73.5	358.015	418.869	396.082	290.179	235.383
74.0	343.657	403.326	373.426	268.577	215.889
74.5	329.036	387.125	350.902	248.687	197.975
75.0	314.679	371.187	328.641	230.510	181.510
75.5	300.848	354.853	307.039	213.386	166.757
76.0	287.018	338.784	286.491	197.053	152.532
76.5	273.319	322.714	266.996	182.432	140.282
77.0	260.015	306.776	248.555	169.128	129.217
77.5	246.711	291.101	231.168	157.010	119.075
78.0	233.539	275.295	215.230	145.814	109.986
78.5	221.158	260.279	200.346	135.408	101.556
79.0	209.303	245.658	186.384	125.661	93.916
79.5	197.843	231.564	173.475	116.967	87.067
80.0	186.779	218.392	161.357	108.801	80.876
80.5	175.319	205.878	150.029	101.029	75.344
81.0	163.860	193.497	139.360	93.916	70.075
81.5	152.927	181.115	129.086	87.067	65.465
82.0	141.731	169.128	119.207	80.744	60.591
82.5	130.534	156.878	109.723	74.290	55.718

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CANDELA TABULATION - (Cont.)

83.0	119.075	144.365	100.502	67.704	51.239
83.5	108.142	132.115	91.414	61.513	47.156
84.0	97.078	119.865	82.588	55.586	43.204
84.5	86.145	107.088	73.631	49.658	39.516
85.0	75.212	94.311	64.543	44.126	36.091
85.5	64.938	81.403	55.718	38.989	33.457
86.0	54.795	68.626	47.156	34.511	31.218
86.5	45.048	55.981	38.726	30.296	28.583
87.0	36.223	43.994	30.822	25.817	25.027
87.5	28.188	32.930	23.973	20.680	19.890
88.0	21.207	23.314	17.519	16.597	17.255
88.5	14.753	15.675	12.777	13.304	14.226
89.0	9.089	10.142	8.957	8.825	9.089
89.5	7.508	7.771	7.640	8.825	8.694
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-L50-840-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-L50-840-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-L50-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	606.99	N.A.	12.00
0-30	1305.86	N.A.	25.80
0-40	2172.95	N.A.	42.90
0-60	3979.11	N.A.	78.60
0-80	4985.17	N.A.	98.50
0-90	5060.00	N.A.	100.00
10-90	4904.39	N.A.	96.90
20-40	1565.96	N.A.	30.90
20-50	2494.43	N.A.	49.30
40-70	2490.32	N.A.	49.20
60-80	1006.05	N.A.	19.90
70-80	321.90	N.A.	6.40
80-90	74.84	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	5060.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	155.62
10-20	451.38
20-30	698.87
30-40	867.08
40-50	928.47
50-60	877.70
60-70	684.16
70-80	321.90
80-90	74.84
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-L50-840-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	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-L50-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

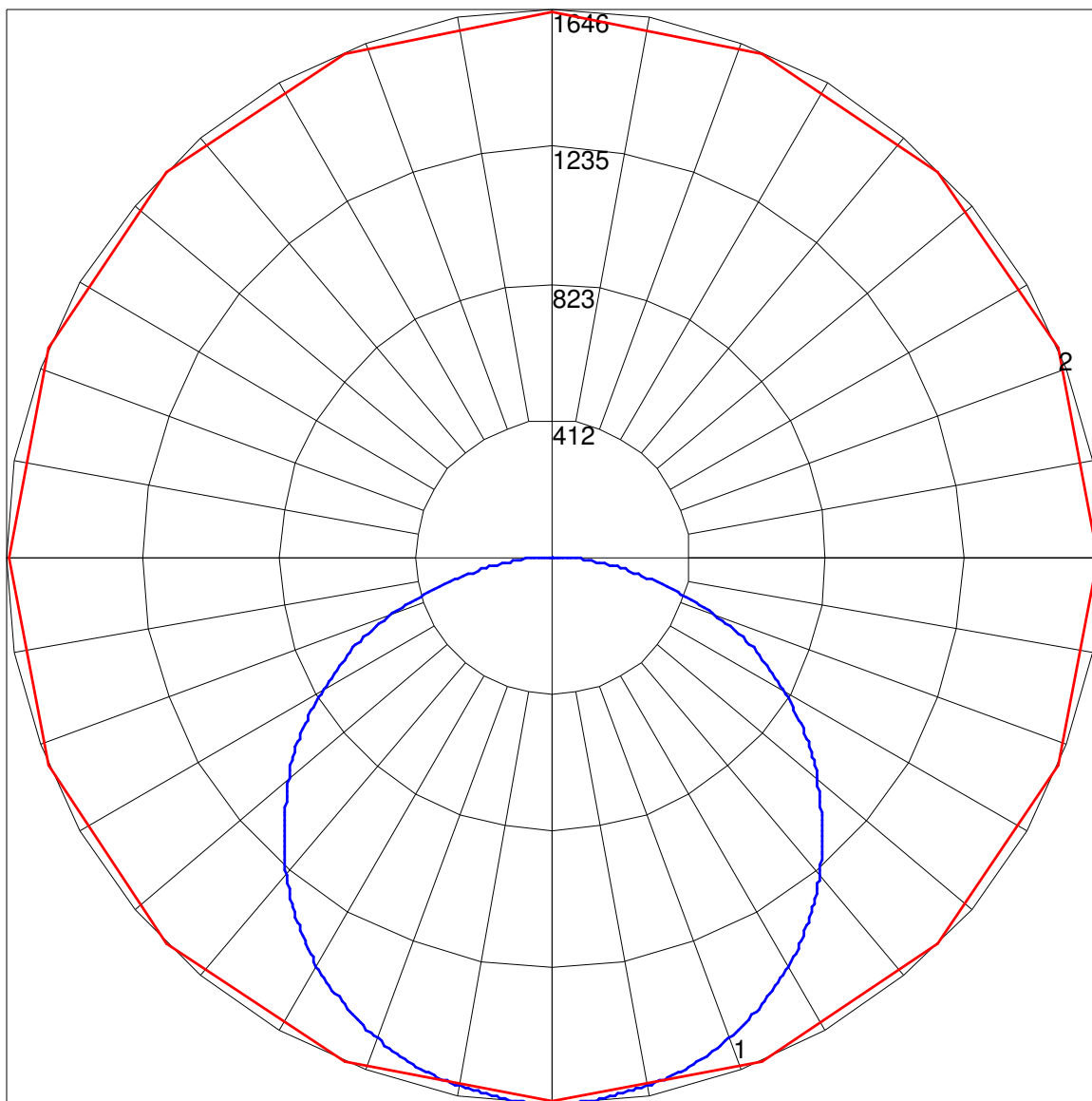
Reflectances

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	17.5	19.2	17.9	19.5	19.8	18.5	20.2	18.9	20.5	20.8
	3H	19.4	20.9	19.8	21.2	21.6	19.9	21.5	20.3	21.8	22.1
	4H	20.1	21.5	20.5	21.8	22.2	20.2	21.6	20.6	21.9	22.3
	6H	20.5	21.8	20.9	22.2	22.6	20.2	21.5	20.6	21.9	22.3
	8H	20.7	21.9	21.1	22.3	22.7	20.2	21.5	20.7	21.9	22.3
	12H	20.7	21.9	21.1	22.3	22.7	20.2	21.4	20.6	21.8	22.2
4H	2H	18.4	19.8	18.8	20.2	20.5	19.2	20.6	19.6	20.9	21.3
	3H	20.5	21.7	20.9	22.1	22.5	20.8	22.0	21.2	22.4	22.8
	4H	21.3	22.3	21.7	22.7	23.2	21.0	22.1	21.5	22.5	23.0
	6H	21.8	22.8	22.3	23.2	23.7	21.2	22.1	21.6	22.5	23.0
	8H	22.0	22.9	22.5	23.3	23.8	21.2	22.1	21.6	22.5	23.0
	12H	22.1	22.9	22.6	23.4	23.9	21.2	22.0	21.7	22.5	22.9
8H	4H	21.5	22.4	22.0	22.8	23.3	21.3	22.2	21.8	22.6	23.1
	6H	22.2	22.9	22.7	23.4	23.9	21.5	22.2	22.0	22.7	23.2
	8H	22.5	23.1	23.0	23.6	24.1	21.5	22.2	22.1	22.7	23.2
	12H	22.7	23.3	23.2	23.7	24.3	21.6	22.2	22.1	22.6	23.2
12H	4H	21.5	22.3	22.0	22.8	23.2	21.3	22.1	21.8	22.6	23.1
	6H	22.2	22.9	22.8	23.3	23.9	21.6	22.2	22.1	22.7	23.2
	8H	22.5	23.1	23.0	23.6	24.2	21.6	22.2	22.1	22.7	23.2

Maximum UGR = 24.3

POLAR GRAPH



Maximum Candela = 1646.499 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.)