



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-950-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-L30-950-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	2683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	23.2
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	2440	2654	2818
55	2371	2703	2876
65	2251	2692	2634
75	1887	1970	1088
85	1339	1149	643

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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	871.716	871.716	871.716	871.716	871.716
0.5	871.017	873.113	871.716	871.017	871.017
1.0	870.319	873.113	871.716	871.017	871.017
1.5	870.319	872.414	871.716	870.319	871.017
2.0	870.319	872.414	871.017	870.319	870.319
2.5	870.319	872.414	870.319	869.620	869.620
3.0	869.620	871.716	869.620	868.922	869.620
3.5	868.922	871.017	868.922	868.922	868.922
4.0	868.223	870.319	868.922	868.223	868.223
4.5	867.525	869.620	867.525	867.525	867.525
5.0	866.826	868.223	866.826	866.826	867.525
5.5	866.128	867.525	866.128	866.128	866.826
6.0	864.731	866.826	865.429	865.429	866.128
6.5	864.032	865.429	864.731	865.429	865.429
7.0	863.334	864.731	864.032	864.731	865.429
7.5	861.937	863.334	862.635	864.032	864.731
8.0	861.238	862.635	861.937	863.334	864.032
8.5	859.841	861.238	861.238	862.635	863.334
9.0	858.444	859.841	859.841	861.937	863.334
9.5	857.047	858.444	859.143	861.238	862.635
10.0	856.349	857.746	858.444	860.540	861.937
10.5	854.952	856.349	857.047	859.841	861.937
11.0	853.555	854.952	856.349	859.143	861.238
11.5	852.158	853.555	854.952	858.444	860.540
12.0	850.761	852.158	854.253	857.746	859.841
12.5	849.364	850.761	852.856	857.047	859.841
13.0	847.268	849.364	852.158	856.349	859.143
13.5	845.871	847.967	850.761	855.650	858.444
14.0	843.776	845.871	849.364	854.952	857.746
14.5	842.379	844.474	847.967	853.555	857.047
15.0	840.283	842.379	846.570	852.856	856.349
15.5	838.188	840.283	845.173	851.459	854.952
16.0	836.093	838.188	843.776	850.062	854.253
16.5	833.997	836.093	841.680	849.364	852.856
17.0	831.203	833.997	840.283	847.268	852.158
17.5	829.108	831.902	838.188	845.871	850.062
18.0	826.314	829.108	836.093	844.474	848.665
18.5	823.520	826.314	833.997	842.379	847.268
19.0	820.726	824.218	831.902	840.982	845.871
19.5	818.630	821.424	829.806	838.887	843.776
20.0	815.138	818.630	827.711	837.490	842.379
20.5	812.344	815.836	824.917	835.394	840.982
21.0	809.550	813.042	822.821	833.299	838.887
21.5	806.756	810.248	820.027	831.203	836.791
22.0	803.264	807.454	817.233	829.108	834.696
22.5	799.771	803.962	815.138	827.012	832.600
23.0	796.977	801.168	812.344	824.917	831.203
23.5	793.485	798.374	810.248	822.821	829.108
24.0	790.691	795.580	807.454	820.726	827.012
24.5	786.500	792.088	805.359	818.630	825.615
25.0	783.706	788.595	802.565	816.535	823.520
25.5	780.213	785.801	800.470	814.439	822.123
26.0	776.721	782.309	797.676	812.344	820.027
26.5	773.228	779.515	794.882	810.248	818.630

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CANDELA TABULATION - (Cont.)

27.0	769.038	776.022	792.088	808.153	816.535
27.5	765.545	772.530	789.992	806.057	814.439
28.0	762.053	769.038	787.198	803.264	811.645
28.5	757.862	765.545	783.706	800.470	809.550
29.0	753.671	761.354	780.912	797.676	806.756
29.5	750.178	757.862	777.419	794.882	803.962
30.0	745.987	754.369	773.927	792.088	801.168
30.5	741.796	750.178	770.434	788.595	798.374
31.0	737.605	746.686	766.942	785.801	794.882
31.5	732.716	742.495	763.450	782.309	792.088
32.0	728.525	738.304	759.259	778.816	788.595
32.5	724.334	734.113	755.766	775.324	785.103
33.0	719.445	729.224	751.575	771.831	781.610
33.5	714.555	725.033	748.083	768.339	778.118
34.0	709.666	720.143	743.892	764.148	774.625
34.5	704.776	715.952	739.701	760.656	771.133
35.0	699.887	711.063	735.510	757.163	767.641
35.5	695.067	706.872	731.319	753.671	764.148
36.0	690.178	701.982	727.128	749.480	760.656
36.5	685.009	697.303	723.636	745.987	757.163
37.0	679.980	692.553	718.746	741.796	753.671
37.5	674.672	687.733	714.555	738.304	749.480
38.0	669.223	682.914	710.364	734.113	745.289
38.5	663.845	677.815	705.475	729.922	741.796
39.0	658.397	672.855	701.284	725.731	737.605
39.5	652.948	667.826	696.604	721.540	732.716
40.0	647.500	662.518	691.785	716.651	728.525
40.5	641.912	657.349	686.895	711.761	724.334
41.0	635.975	652.040	682.285	707.570	719.445
41.5	630.457	646.662	677.326	702.681	715.254
42.0	624.660	641.214	672.297	697.722	710.364
42.5	619.002	635.766	667.128	692.902	705.475
43.0	613.135	630.387	662.099	688.083	700.585
43.5	607.267	624.660	657.070	683.193	696.045
44.0	601.540	618.932	651.831	678.164	691.016
44.5	595.672	613.344	646.592	673.205	685.987
45.0	589.526	607.686	641.284	668.106	680.818
45.5	583.658	601.889	635.975	662.937	675.580
46.0	577.581	596.231	630.527	657.768	670.341
46.5	571.574	590.364	625.079	652.460	665.312
47.0	565.288	584.496	619.561	647.081	660.073
47.5	558.792	578.629	614.112	641.493	654.485
48.0	552.506	572.762	608.455	635.905	649.107
48.5	548.175	566.755	602.797	630.387	643.239
49.0	545.940	561.027	596.930	624.729	637.861
49.5	539.514	556.208	591.202	619.211	632.064
50.0	532.948	551.109	585.335	613.344	626.196
50.5	526.452	546.568	579.467	607.337	620.399
51.0	519.677	540.771	573.600	601.330	614.462
51.5	513.041	534.624	567.663	595.253	608.105
52.0	506.266	529.665	562.354	589.176	601.889
52.5	499.560	523.518	557.465	583.030	595.533
53.0	492.645	517.162	551.598	576.464	589.176
53.5	485.590	510.666	546.848	570.038	582.331
54.0	478.536	504.170	541.609	563.402	575.416
54.5	471.481	497.674	535.183	558.233	568.641

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CANDELA TABULATION - (Cont.)

55.0	464.636	491.108	529.875	552.785	563.751
55.5	457.651	484.612	523.658	545.940	557.674
56.0	450.666	477.907	517.022	539.234	550.131
56.5	443.611	471.201	510.177	534.345	542.447
57.0	436.486	464.286	503.262	527.220	534.624
57.5	429.362	457.511	496.347	519.746	529.665
58.0	422.377	450.805	489.502	512.273	521.493
58.5	415.462	444.170	482.587	504.729	513.320
59.0	408.337	437.534	475.602	496.836	504.869
59.5	401.283	430.619	468.477	488.873	496.347
60.0	394.088	423.914	461.423	480.701	487.406
60.5	387.033	417.138	454.368	472.738	478.256
61.0	380.188	410.503	447.313	464.496	469.036
61.5	373.203	404.076	440.468	456.254	459.676
62.0	366.428	397.720	433.413	447.872	450.177
62.5	359.513	391.154	426.288	439.001	440.049
63.0	352.737	384.589	419.164	429.990	429.432
63.5	345.892	378.162	411.830	420.561	417.976
64.0	338.977	371.667	404.426	410.642	406.032
64.5	332.202	364.961	396.742	400.235	393.599
65.0	325.077	358.256	388.849	389.199	380.398
65.5	317.743	351.271	380.747	377.604	366.428
66.0	310.339	344.006	372.016	365.240	351.550
66.5	302.865	336.602	362.866	352.179	335.624
67.0	294.902	328.919	353.576	338.628	319.908
67.5	287.010	321.096	344.006	324.868	303.424
68.0	278.977	313.133	334.227	310.339	286.870
68.5	271.014	305.031	324.030	295.601	269.897
69.0	262.423	296.788	313.482	280.444	253.203
69.5	253.971	288.546	302.865	265.077	236.299
70.0	245.729	280.234	292.248	249.710	220.234
70.5	237.417	271.852	281.072	235.042	204.448
71.0	229.384	263.610	269.827	220.094	189.221
71.5	221.421	255.368	258.232	205.705	174.623
72.0	213.459	247.126	246.707	191.875	160.932
72.5	205.426	238.744	234.762	178.604	147.870
73.0	197.603	230.432	222.329	165.822	136.066
73.5	189.850	222.120	210.036	153.877	124.820
74.0	182.236	213.878	198.022	142.422	114.483
74.5	174.483	205.286	186.078	131.875	104.983
75.0	166.869	196.834	174.273	122.236	96.252
75.5	159.535	188.173	162.818	113.155	88.429
76.0	152.201	179.652	151.922	104.494	80.885
76.5	144.937	171.130	141.584	96.741	74.389
77.0	137.882	162.678	131.805	89.686	68.522
77.5	130.827	154.366	122.585	83.260	63.143
78.0	123.842	145.984	114.133	77.323	58.324
78.5	117.276	138.022	106.240	71.805	53.854
79.0	110.990	130.268	98.836	66.636	49.802
79.5	104.913	122.795	91.991	62.026	46.170
80.0	99.046	115.810	85.565	57.695	42.887
80.5	92.969	109.174	79.558	53.574	39.954
81.0	86.892	102.608	73.900	49.802	37.160
81.5	81.095	96.042	68.452	46.170	34.715
82.0	75.158	89.686	63.213	42.817	32.131
82.5	69.220	83.190	58.184	39.395	29.546

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CANDELA TABULATION - (Cont.)

83.0	63.143	76.555	53.295	35.902	27.171
83.5	57.346	70.059	48.475	32.619	25.006
84.0	51.479	63.563	43.795	29.476	22.910
84.5	45.681	56.787	39.046	26.333	20.955
85.0	39.884	50.012	34.226	23.399	19.139
85.5	34.436	43.167	29.546	20.675	17.742
86.0	29.057	36.391	25.006	18.300	16.554
86.5	23.888	29.686	20.536	16.065	15.157
87.0	19.208	23.330	16.345	13.690	13.271
87.5	14.948	17.462	12.713	10.966	10.547
88.0	11.246	12.363	9.290	8.801	9.150
88.5	7.823	8.312	6.775	7.055	7.544
89.0	4.820	5.378	4.750	4.680	4.820
89.5	3.981	4.121	4.051	4.680	4.610
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

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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-L30-950-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-L30-950-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	321.88	N.A.	12.00
0-30	692.48	N.A.	25.80
0-40	1152.28	N.A.	42.90
0-60	2110.06	N.A.	78.60
0-80	2643.56	N.A.	98.50
0-90	2683.24	N.A.	100.00
10-90	2600.72	N.A.	96.90
20-40	830.40	N.A.	30.90
20-50	1322.75	N.A.	49.30
40-70	1320.58	N.A.	49.20
60-80	533.49	N.A.	19.90
70-80	170.70	N.A.	6.40
80-90	39.69	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	2683.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.52
10-20	239.36
20-30	370.60
30-40	459.80
40-50	492.35
50-60	465.43
60-70	362.80
70-80	170.70
80-90	39.69
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-L30-950-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-L30-950-DIM-UNV_.IES

UGR TABLE - CORRECTED

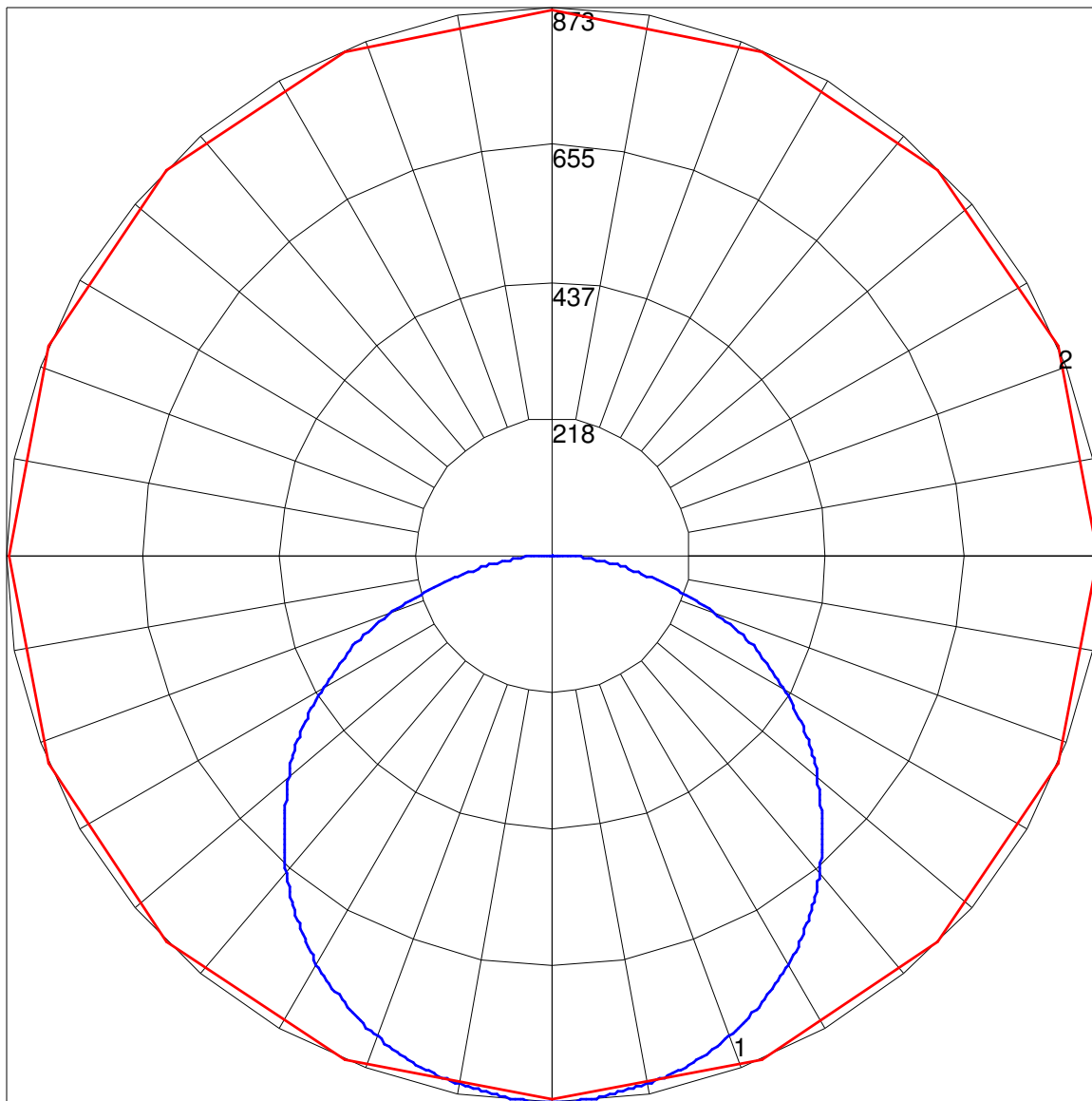
Reflectances

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	15.3	17.0	15.7	17.3	17.6	16.3	18.0	16.7	18.3	18.6
	3H	17.2	18.7	17.6	19.0	19.4	17.7	19.3	18.1	19.6	19.9
	4H	17.9	19.3	18.3	19.6	20.0	18.0	19.4	18.4	19.7	20.1
	6H	18.3	19.6	18.7	20.0	20.4	18.0	19.3	18.4	19.7	20.1
	8H	18.5	19.7	18.9	20.1	20.5	18.0	19.3	18.5	19.7	20.1
	12H	18.5	19.7	18.9	20.1	20.5	18.0	19.2	18.4	19.6	20.0
4H	2H	16.2	17.6	16.6	18.0	18.3	17.0	18.4	17.4	18.7	19.1
	3H	18.3	19.5	18.7	19.9	20.3	18.6	19.8	19.0	20.2	20.6
	4H	19.1	20.1	19.5	20.5	21.0	18.8	19.9	19.3	20.3	20.8
	6H	19.6	20.6	20.1	21.0	21.5	19.0	19.9	19.4	20.3	20.8
	8H	19.8	20.7	20.3	21.1	21.6	19.0	19.9	19.4	20.3	20.8
	12H	19.9	20.7	20.4	21.2	21.7	19.0	19.8	19.5	20.3	20.7
8H	4H	19.3	20.2	19.8	20.6	21.1	19.1	20.0	19.6	20.4	20.9
	6H	20.0	20.7	20.5	21.2	21.7	19.3	20.0	19.8	20.5	21.0
	8H	20.3	20.9	20.8	21.4	21.9	19.3	20.0	19.9	20.5	21.0
	12H	20.5	21.1	21.0	21.5	22.1	19.4	20.0	19.9	20.4	21.0
12H	4H	19.3	20.1	19.8	20.6	21.0	19.1	19.9	19.6	20.4	20.9
	6H	20.0	20.7	20.6	21.1	21.7	19.4	20.0	19.9	20.5	21.0
	8H	20.3	20.9	20.8	21.4	22.0	19.4	20.0	19.9	20.5	21.0

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 873.113 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.)