



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-930-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.01
 [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-14-L30-930-DIM-UNV
 [LUMINAIRE] Recessed 1 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	2448
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	23.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2639	2521	2347
55	2610	2311	1998
65	2603	1949	1581
75	2486	1369	1110
85	1609	810	852

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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	878.532	878.532	878.532	878.532	878.532
0.5	876.982	878.919	877.757	879.306	880.081
1.0	876.982	878.532	877.369	878.919	879.694
1.5	876.595	878.532	876.982	878.532	879.306
2.0	876.595	878.144	876.595	878.144	878.919
2.5	876.207	877.757	876.207	877.757	878.144
3.0	876.207	877.369	875.433	876.982	877.369
3.5	875.820	876.982	875.045	876.207	876.982
4.0	875.433	876.595	874.271	875.820	876.207
4.5	875.045	876.207	873.496	875.045	875.433
5.0	874.658	875.433	872.721	874.271	874.271
5.5	874.271	874.658	871.946	873.496	873.496
6.0	873.883	873.883	871.172	872.334	872.721
6.5	873.109	873.109	870.397	871.559	871.946
7.0	872.334	872.334	869.235	870.784	870.784
7.5	871.559	871.172	868.460	869.622	870.010
8.0	870.784	870.397	867.298	868.848	868.848
8.5	870.010	869.235	866.136	867.685	868.073
9.0	868.848	868.073	865.361	866.523	866.911
9.5	868.073	866.911	864.199	865.361	865.749
10.0	866.911	865.749	862.650	864.199	864.587
10.5	865.749	864.587	861.488	862.650	863.425
11.0	864.199	863.037	860.326	861.488	862.262
11.5	863.037	861.875	858.776	860.326	860.713
12.0	861.875	860.326	857.227	858.776	859.164
12.5	860.326	858.776	855.677	857.227	857.614
13.0	858.776	857.227	854.128	855.677	856.065
13.5	857.227	855.677	852.578	854.128	854.515
14.0	855.290	853.741	850.642	852.578	852.966
14.5	853.741	851.804	849.092	850.642	851.416
15.0	851.804	850.254	847.155	848.705	849.480
15.5	849.867	848.318	845.219	846.768	847.543
16.0	847.930	845.993	842.894	844.831	845.606
16.5	845.993	844.057	840.958	842.507	843.669
17.0	844.057	842.120	838.634	840.183	841.345
17.5	842.120	839.796	836.697	837.859	839.021
18.0	840.183	837.859	834.373	835.535	836.309
18.5	837.859	835.535	832.048	833.210	833.985
19.0	835.922	833.210	829.724	830.499	830.886
19.5	833.598	830.886	827.013	827.787	828.175
20.0	831.274	828.562	824.689	825.076	825.076
20.5	828.562	826.238	821.977	822.364	821.977
21.0	826.238	823.526	819.266	819.266	818.878
21.5	823.914	820.815	816.554	816.167	815.779
22.0	821.202	818.103	813.842	813.455	812.680
22.5	818.491	815.392	810.744	809.969	809.582
23.0	815.779	812.680	808.032	806.870	806.483
23.5	813.068	809.582	804.933	803.771	802.996
24.0	809.969	806.483	801.834	800.285	799.510
24.5	806.870	803.384	798.735	796.799	796.024
25.0	803.771	799.898	795.249	793.700	792.925
25.5	800.672	796.799	792.150	790.214	789.439
26.0	797.573	793.312	788.664	786.727	785.953
26.5	794.087	789.826	785.178	783.241	782.466

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CANDELA TABULATION - (Cont.)

27.0	790.601	786.340	781.692	779.755	778.593
27.5	787.115	782.466	778.205	775.881	774.719
28.0	783.241	778.980	774.719	772.008	770.846
28.5	779.755	775.107	770.846	767.747	766.585
29.0	775.881	771.233	766.972	763.873	762.324
29.5	772.008	767.747	763.098	759.225	758.063
30.0	768.134	763.873	759.225	754.964	753.027
30.5	764.260	759.612	754.964	750.316	747.991
31.0	760.387	755.739	750.703	745.667	742.956
31.5	756.513	751.478	746.442	740.632	737.920
32.0	752.252	747.604	742.181	735.596	732.497
32.5	747.991	743.343	737.533	730.560	727.074
33.0	744.118	739.082	732.884	725.525	721.651
33.5	739.469	734.821	728.236	720.101	715.841
34.0	735.209	730.560	723.200	714.678	710.030
34.5	730.948	726.299	718.552	708.868	704.220
35.0	726.687	721.651	713.516	703.445	698.022
35.5	722.426	717.003	708.481	697.635	692.212
36.0	717.777	712.354	703.445	691.824	686.014
36.5	713.129	707.706	698.022	686.014	679.429
37.0	708.481	702.670	692.986	679.816	673.231
37.5	703.832	698.022	687.563	673.618	666.646
38.0	698.797	692.986	682.140	667.421	660.061
38.5	693.761	687.951	676.330	661.223	653.476
39.0	688.725	682.915	670.907	654.638	646.503
39.5	683.302	677.879	665.096	647.665	639.918
40.0	678.267	672.456	659.286	640.693	632.558
40.5	673.231	667.033	653.476	633.720	624.811
41.0	667.808	661.610	647.278	626.748	617.451
41.5	662.385	656.187	641.467	619.388	610.091
42.0	656.962	650.764	634.882	612.416	602.732
42.5	651.539	645.341	628.685	604.668	594.984
43.0	645.728	639.531	622.100	597.308	586.462
43.5	639.918	634.108	615.514	589.561	578.715
44.0	634.495	627.910	608.929	581.814	570.581
44.5	628.685	622.100	601.957	574.067	562.059
45.0	623.262	616.289	595.372	566.320	554.312
45.5	617.451	610.479	588.399	558.573	546.177
46.0	611.641	604.281	581.427	550.438	538.042
46.5	605.830	598.471	574.067	542.303	529.521
47.0	600.020	592.273	567.094	534.169	520.999
47.5	594.210	586.075	560.122	526.034	512.864
48.0	588.399	579.877	552.762	517.900	504.342
48.5	582.201	574.067	545.402	509.765	495.820
49.0	576.004	567.482	538.042	501.631	487.298
49.5	569.806	561.284	530.295	493.109	478.389
50.0	563.608	555.086	522.548	484.587	469.867
50.5	557.798	548.501	515.188	476.452	461.345
51.0	551.213	542.303	507.054	467.930	452.823
51.5	545.015	535.718	499.307	459.796	444.301
52.0	538.817	529.133	491.559	450.887	435.780
52.5	532.232	522.548	483.812	442.365	426.870
53.0	525.647	515.963	475.678	433.455	418.348
53.5	519.449	508.991	467.156	424.546	409.439
54.0	513.251	502.405	459.408	416.024	400.142
54.5	506.666	495.433	451.274	407.115	391.233

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CANDELA TABULATION - (Cont.)

55.0	500.081	488.460	442.752	398.593	382.827
55.5	493.496	481.488	434.230	389.684	373.918
56.0	486.911	474.515	425.708	381.084	364.970
56.5	480.326	467.156	417.186	372.291	355.945
57.0	474.128	460.183	408.664	363.266	347.307
57.5	467.543	453.211	400.142	354.434	338.785
58.0	460.958	445.851	391.233	345.796	330.185
58.5	454.373	438.491	382.401	337.080	321.663
59.0	448.175	431.131	373.453	328.520	313.374
59.5	441.590	423.771	364.777	319.920	306.208
60.0	435.005	416.024	356.100	312.406	298.034
60.5	428.420	408.664	347.500	304.465	290.946
61.0	422.222	401.305	338.901	296.601	282.811
61.5	415.249	393.557	330.456	289.822	274.987
62.0	408.664	386.120	322.206	281.727	266.929
62.5	402.079	378.528	314.304	273.824	259.144
63.0	395.494	370.664	306.711	266.000	251.513
63.5	388.522	362.917	299.042	258.291	244.114
64.0	381.627	354.938	291.837	250.660	237.064
64.5	374.615	347.152	283.470	243.068	230.130
65.0	367.488	339.056	275.103	235.747	223.119
65.5	360.167	330.728	266.736	228.232	216.263
66.0	353.078	322.244	258.214	220.872	209.329
66.5	345.796	314.265	249.731	213.474	202.357
67.0	338.591	306.363	241.402	206.192	195.384
67.5	331.231	298.925	233.074	198.909	188.489
68.0	323.561	290.830	224.707	191.782	181.672
68.5	315.737	282.230	216.379	184.422	174.815
69.0	308.803	273.243	208.167	177.101	168.192
69.5	302.799	264.063	199.761	170.012	161.490
70.0	295.633	254.960	191.472	163.156	155.021
70.5	287.614	245.741	183.376	156.455	148.514
71.0	279.596	236.561	175.513	149.831	142.432
71.5	271.307	227.303	167.843	143.517	136.428
72.0	263.327	218.200	160.096	137.242	130.424
72.5	255.347	209.097	152.542	131.082	124.342
73.0	247.290	200.071	145.376	125.078	118.377
73.5	239.195	191.162	138.404	118.997	112.528
74.0	231.099	182.408	131.586	112.993	106.834
74.5	223.042	173.498	124.923	107.144	101.256
75.0	214.907	164.860	118.377	101.256	95.949
75.5	206.579	156.261	112.179	95.717	90.952
76.0	198.406	147.778	106.098	90.332	86.110
76.5	190.194	139.449	100.055	85.219	81.268
77.0	182.098	131.199	94.206	80.338	76.736
77.5	173.808	123.258	88.434	75.651	72.281
78.0	165.325	115.549	82.740	71.080	68.020
78.5	157.036	107.918	77.201	66.587	64.031
79.0	148.514	100.597	71.894	62.365	60.041
79.5	140.030	93.509	66.781	58.220	56.206
80.0	131.276	86.614	61.900	54.269	52.526
80.5	122.638	80.028	57.252	50.550	49.078
81.0	113.922	73.637	52.836	46.948	46.018
81.5	105.013	67.401	48.536	43.578	43.191
82.0	96.143	61.435	44.314	40.557	40.324
82.5	87.233	55.702	40.402	37.613	37.187

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CANDELA TABULATION - (Cont.)

83.0	78.595	50.202	36.567	34.514	33.894
83.5	69.763	44.546	33.197	31.144	30.873
84.0	61.474	39.317	30.020	28.122	28.471
84.5	53.688	34.475	26.844	25.759	26.495
85.0	46.832	29.904	23.590	23.784	24.791
85.5	40.402	25.566	20.685	22.002	22.932
86.0	34.204	21.615	18.245	19.949	20.724
86.5	28.200	18.012	16.192	17.586	18.012
87.0	22.622	14.720	14.100	14.797	14.991
87.5	17.509	11.776	11.660	11.853	11.892
88.0	12.783	9.103	9.025	9.064	9.219
88.5	8.677	6.740	6.546	6.701	6.856
89.0	5.268	4.493	4.222	4.493	4.726
89.5	2.247	2.402	2.247	2.557	2.634
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-14-L30-930-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-14-L30-930-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	322.93	N.A.	13.20
0-30	690.24	N.A.	28.20
0-40	1135.74	N.A.	46.40
0-60	1986.89	N.A.	81.20
0-80	2414.23	N.A.	98.60
0-90	2448.31	N.A.	100.00
10-90	2365.16	N.A.	96.60
20-40	812.82	N.A.	33.20
20-50	1268.66	N.A.	51.80
40-70	1133.99	N.A.	46.30
60-80	427.35	N.A.	17.50
70-80	144.50	N.A.	5.90
80-90	34.08	N.A.	1.40
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	2448.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.15
10-20	239.78
20-30	367.32
30-40	445.50
40-50	455.85
50-60	395.30
60-70	282.84
70-80	144.50
80-90	34.08
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-14-L30-930-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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-930-DIM-UNV_.IES

UGR TABLE - CORRECTED

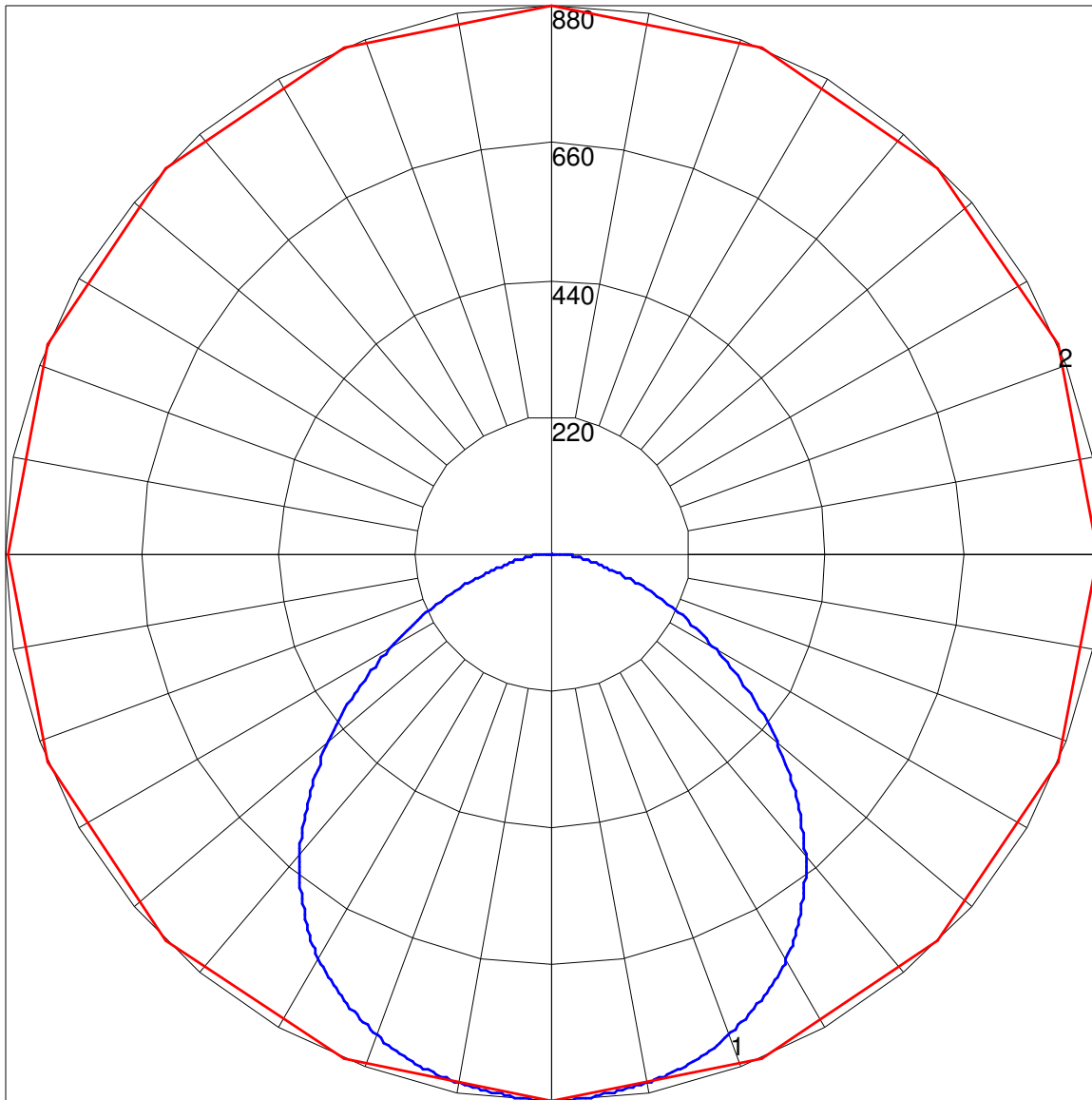
Reflectances

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	15.8	17.5	16.2	17.8	18.1	14.0	15.6	14.4	15.9	16.3
	3H	17.8	19.3	18.2	19.6	20.0	15.3	16.8	15.7	17.1	17.5
	4H	18.6	19.9	19.0	20.3	20.7	15.7	17.1	16.1	17.4	17.8
	6H	19.1	20.4	19.5	20.8	21.2	16.0	17.2	16.4	17.6	18.0
	8H	19.3	20.5	19.7	20.9	21.3	16.0	17.2	16.5	17.6	18.0
	12H	19.4	20.6	19.8	20.9	21.4	16.1	17.2	16.5	17.6	18.0
4H	2H	16.2	17.6	16.6	17.9	18.3	14.7	16.1	15.1	16.5	16.8
	3H	18.4	19.5	18.8	19.9	20.3	16.2	17.4	16.6	17.8	18.2
	4H	19.2	20.3	19.7	20.7	21.1	16.7	17.7	17.1	18.1	18.6
	6H	19.9	20.8	20.4	21.3	21.7	17.0	17.9	17.5	18.4	18.8
	8H	20.1	21.0	20.6	21.4	21.9	17.1	18.0	17.6	18.4	18.9
	12H	20.3	21.0	20.8	21.5	22.0	17.2	17.9	17.7	18.4	18.9
8H	4H	19.3	20.2	19.8	20.6	21.1	17.0	17.8	17.5	18.3	18.8
	6H	20.1	20.8	20.6	21.3	21.7	17.4	18.1	17.9	18.6	19.1
	8H	20.3	21.0	20.8	21.5	22.0	17.6	18.2	18.1	18.7	19.2
	12H	20.5	21.1	21.0	21.6	22.1	17.7	18.2	18.2	18.7	19.3
12H	4H	19.3	20.1	19.8	20.6	21.0	17.1	17.8	17.5	18.3	18.8
	6H	20.1	20.7	20.6	21.2	21.7	17.5	18.1	18.0	18.6	19.1
	8H	20.3	20.9	20.9	21.4	22.0	17.6	18.2	18.1	18.7	19.2

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 880.081 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.)