



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-927-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-L30-927-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	2419
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
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	2607	2490	2319
55	2579	2283	1974
65	2572	1925	1562
75	2456	1353	1097
85	1589	801	841

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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	867.947	867.947	867.947	867.947	867.947
0.5	866.416	868.330	867.181	868.712	869.478
1.0	866.416	867.947	866.799	868.330	869.095
1.5	866.033	867.947	866.416	867.947	868.712
2.0	866.033	867.564	866.033	867.564	868.330
2.5	865.651	867.181	865.651	867.181	867.564
3.0	865.651	866.799	864.885	866.416	866.799
3.5	865.268	866.416	864.503	865.651	866.416
4.0	864.885	866.033	863.737	865.268	865.651
4.5	864.503	865.651	862.972	864.503	864.885
5.0	864.120	864.885	862.206	863.737	863.737
5.5	863.737	864.120	861.441	862.972	862.972
6.0	863.355	863.355	860.676	861.824	862.206
6.5	862.589	862.589	859.910	861.058	861.441
7.0	861.824	861.824	858.762	860.293	860.293
7.5	861.058	860.676	857.997	859.145	859.528
8.0	860.293	859.910	856.849	858.380	858.380
8.5	859.528	858.762	855.701	857.231	857.614
9.0	858.380	857.614	854.935	856.083	856.466
9.5	857.614	856.466	853.787	854.935	855.318
10.0	856.466	855.318	852.256	853.787	854.170
10.5	855.318	854.170	851.108	852.256	853.022
11.0	853.787	852.639	849.960	851.108	851.874
11.5	852.639	851.491	848.430	849.960	850.343
12.0	851.491	849.960	846.899	848.430	848.812
12.5	849.960	848.430	845.368	846.899	847.281
13.0	848.430	846.899	843.837	845.368	845.751
13.5	846.899	845.368	842.306	843.837	844.220
14.0	844.985	843.455	840.393	842.306	842.689
14.5	843.455	841.541	838.862	840.393	841.158
15.0	841.541	840.010	836.949	838.479	839.245
15.5	839.628	838.097	835.035	836.566	837.331
16.0	837.714	835.801	832.739	834.653	835.418
16.5	835.801	833.887	830.826	832.356	833.504
17.0	833.887	831.974	828.529	830.060	831.208
17.5	831.974	829.678	826.616	827.764	828.912
18.0	830.060	827.764	824.320	825.468	826.233
18.5	827.764	825.468	822.024	823.172	823.937
19.0	825.851	823.172	819.728	820.493	820.876
19.5	823.554	820.876	817.049	817.814	818.197
20.0	821.258	818.579	814.753	815.135	815.135
20.5	818.579	816.283	812.074	812.456	812.074
21.0	816.283	813.604	809.395	809.395	809.012
21.5	813.987	810.926	806.716	806.333	805.951
22.0	811.308	808.247	804.037	803.654	802.889
22.5	808.629	805.568	800.976	800.210	799.828
23.0	805.951	802.889	798.297	797.149	796.766
23.5	803.272	799.828	795.235	794.087	793.322
24.0	800.210	796.766	792.174	790.643	789.878
24.5	797.149	793.704	789.112	787.199	786.433
25.0	794.087	790.260	785.668	784.137	783.372
25.5	791.026	787.199	782.606	780.693	779.928
26.0	787.964	783.754	779.162	777.249	776.483
26.5	784.520	780.310	775.718	773.804	773.039

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CANDELA TABULATION - (Cont.)

27.0	781.076	776.866	772.274	770.360	769.212
27.5	777.631	773.039	768.829	766.533	765.385
28.0	773.804	769.595	765.385	762.706	761.558
28.5	770.360	765.768	761.558	758.497	757.349
29.0	766.533	761.941	757.731	754.670	753.139
29.5	762.706	758.497	753.904	750.078	748.929
30.0	758.879	754.670	750.078	745.868	743.954
30.5	755.053	750.460	745.868	741.276	738.979
31.0	751.226	746.633	741.658	736.683	734.004
31.5	747.399	742.424	737.449	731.708	729.029
32.0	743.189	738.597	733.239	726.733	723.672
32.5	738.979	734.387	728.647	721.758	718.314
33.0	735.152	730.177	724.054	716.783	712.956
33.5	730.560	725.968	719.462	711.426	707.216
34.0	726.351	721.758	714.487	706.068	701.476
34.5	722.141	717.549	709.895	700.327	695.735
35.0	717.931	712.956	704.920	694.970	689.612
35.5	713.722	708.364	699.945	689.229	683.872
36.0	709.129	703.772	694.970	683.489	677.749
36.5	704.537	699.179	689.612	677.749	671.243
37.0	699.945	694.204	684.637	671.626	665.120
37.5	695.352	689.612	679.279	665.502	658.614
38.0	690.377	684.637	673.922	659.379	652.108
38.5	685.402	679.662	668.181	653.256	645.602
39.0	680.427	674.687	662.824	646.751	638.714
39.5	675.070	669.712	657.083	639.862	632.208
40.0	670.095	664.354	651.343	632.974	624.937
40.5	665.120	658.997	645.602	626.085	617.283
41.0	659.762	653.639	639.479	619.197	610.012
41.5	654.404	648.281	633.739	611.925	602.741
42.0	649.047	642.924	627.233	605.037	595.470
42.5	643.689	637.566	621.110	597.383	587.816
43.0	637.949	631.825	614.604	590.112	579.397
43.5	632.208	626.468	608.099	582.458	571.743
44.0	626.850	620.345	601.593	574.804	563.706
44.5	621.110	614.604	594.704	567.150	555.287
45.0	615.752	608.864	588.199	559.497	547.633
45.5	610.012	603.124	581.310	551.843	539.597
46.0	604.272	597.000	574.422	543.806	531.560
46.5	598.531	591.260	567.150	535.770	523.141
47.0	592.791	585.137	560.262	527.733	514.722
47.5	587.050	579.014	553.374	519.697	506.685
48.0	581.310	572.891	546.102	511.660	498.266
48.5	575.187	567.150	538.831	503.623	489.847
49.0	569.064	560.645	531.560	495.587	481.427
49.5	562.941	554.522	523.906	487.168	472.625
50.0	556.818	548.399	516.252	478.748	464.206
50.5	551.077	541.893	508.981	470.712	455.787
51.0	544.572	535.770	500.945	462.293	447.368
51.5	538.448	529.264	493.291	454.256	438.948
52.0	532.325	522.758	485.637	445.454	430.529
52.5	525.820	516.252	477.983	437.035	421.727
53.0	519.314	509.747	469.947	428.233	413.308
53.5	513.191	502.858	461.527	419.431	404.506
54.0	507.068	496.352	453.873	411.012	395.321
54.5	500.562	489.464	445.837	402.210	386.520

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CANDELA TABULATION - (Cont.)

55.0	494.056	482.575	437.418	393.791	378.215
55.5	487.550	475.687	428.998	384.989	369.413
56.0	481.045	468.798	420.579	376.493	360.573
56.5	474.539	461.527	412.160	367.806	351.656
57.0	468.416	454.639	403.741	358.889	343.122
57.5	461.910	447.750	395.321	350.164	334.703
58.0	455.404	440.479	386.520	341.630	326.207
58.5	448.898	433.208	377.794	333.019	317.788
59.0	442.775	425.937	368.954	324.562	309.598
59.5	436.270	418.666	360.382	316.066	302.519
60.0	429.764	411.012	351.809	308.642	294.444
60.5	423.258	403.741	343.314	300.796	287.440
61.0	417.135	396.470	334.818	293.028	279.404
61.5	410.246	388.816	326.475	286.331	271.673
62.0	403.741	381.468	318.324	278.332	263.713
62.5	397.235	373.967	310.517	270.525	256.021
63.0	390.729	366.199	303.016	262.795	248.482
63.5	383.841	358.545	295.439	255.179	241.173
64.0	377.029	350.661	288.321	247.640	234.208
64.5	370.102	342.969	280.054	240.140	227.358
65.0	363.060	334.971	271.788	232.907	220.431
65.5	355.828	326.743	263.522	225.482	213.657
66.0	348.824	318.362	255.103	218.211	206.807
66.5	341.630	310.479	246.722	210.902	199.919
67.0	334.512	302.672	238.494	203.707	193.030
67.5	327.240	295.324	230.266	196.513	186.218
68.0	319.663	287.326	222.000	189.471	179.483
68.5	311.933	278.830	213.772	182.200	172.709
69.0	305.083	269.951	205.659	174.967	166.165
69.5	299.151	260.882	197.355	167.964	159.545
70.0	292.071	251.888	189.165	161.190	153.154
70.5	284.149	242.780	181.167	154.570	146.724
71.0	276.228	233.710	173.398	148.025	140.716
71.5	268.038	224.564	165.821	141.788	134.784
72.0	260.154	215.571	158.167	135.588	128.853
72.5	252.271	206.577	150.704	129.503	122.844
73.0	244.311	197.661	143.625	123.571	116.951
73.5	236.313	188.859	136.736	117.563	111.172
74.0	228.314	180.210	130.001	111.631	105.547
74.5	220.354	171.408	123.418	105.853	100.036
75.0	212.318	162.874	116.951	100.036	94.793
75.5	204.090	154.378	110.828	94.563	89.856
76.0	196.015	145.997	104.820	89.244	85.073
76.5	187.902	137.769	98.849	84.192	80.289
77.0	179.904	129.618	93.071	79.370	75.811
77.5	171.714	121.773	87.369	74.740	71.410
78.0	163.333	114.157	81.743	70.224	67.201
78.5	155.144	106.618	76.271	65.785	63.259
79.0	146.724	99.385	71.028	61.614	59.317
79.5	138.343	92.382	65.976	57.519	55.529
80.0	129.695	85.570	61.154	53.615	51.893
80.5	121.160	79.064	56.562	49.941	48.487
81.0	112.550	72.750	52.199	46.382	45.464
81.5	103.748	66.589	47.951	43.053	42.670
82.0	94.984	60.695	43.780	40.068	39.838
82.5	86.182	55.031	39.915	37.159	36.738

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CANDELA TABULATION - (Cont.)

83.0	77.648	49.597	36.126	34.098	33.486
83.5	68.923	44.010	32.797	30.768	30.501
84.0	60.733	38.843	29.659	27.783	28.128
84.5	53.041	34.060	26.521	25.449	26.176
85.0	46.268	29.544	23.306	23.497	24.492
85.5	39.915	25.258	20.436	21.737	22.655
86.0	33.792	21.354	18.025	19.709	20.474
86.5	27.860	17.795	15.997	17.374	17.795
87.0	22.349	14.542	13.930	14.619	14.810
87.5	17.298	11.634	11.519	11.710	11.749
88.0	12.629	8.993	8.917	8.955	9.108
88.5	8.572	6.659	6.468	6.621	6.774
89.0	5.205	4.439	4.171	4.439	4.669
89.5	2.220	2.373	2.220	2.526	2.602
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-L30-927-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-L30-927-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	319.04	N.A.	13.20
0-30	681.93	N.A.	28.20
0-40	1122.06	N.A.	46.40
0-60	1962.95	N.A.	81.20
0-80	2385.14	N.A.	98.60
0-90	2418.81	N.A.	100.00
10-90	2336.66	N.A.	96.60
20-40	803.02	N.A.	33.20
20-50	1253.38	N.A.	51.80
40-70	1120.32	N.A.	46.30
60-80	422.20	N.A.	17.50
70-80	142.76	N.A.	5.90
80-90	33.67	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	2418.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.14
10-20	236.89
20-30	362.89
30-40	440.13
40-50	450.35
50-60	390.53
60-70	279.44
70-80	142.76
80-90	33.67
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-L30-927-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	76	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	46	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	45	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-L30-927-DIM-UNV_.IES

UGR TABLE - CORRECTED

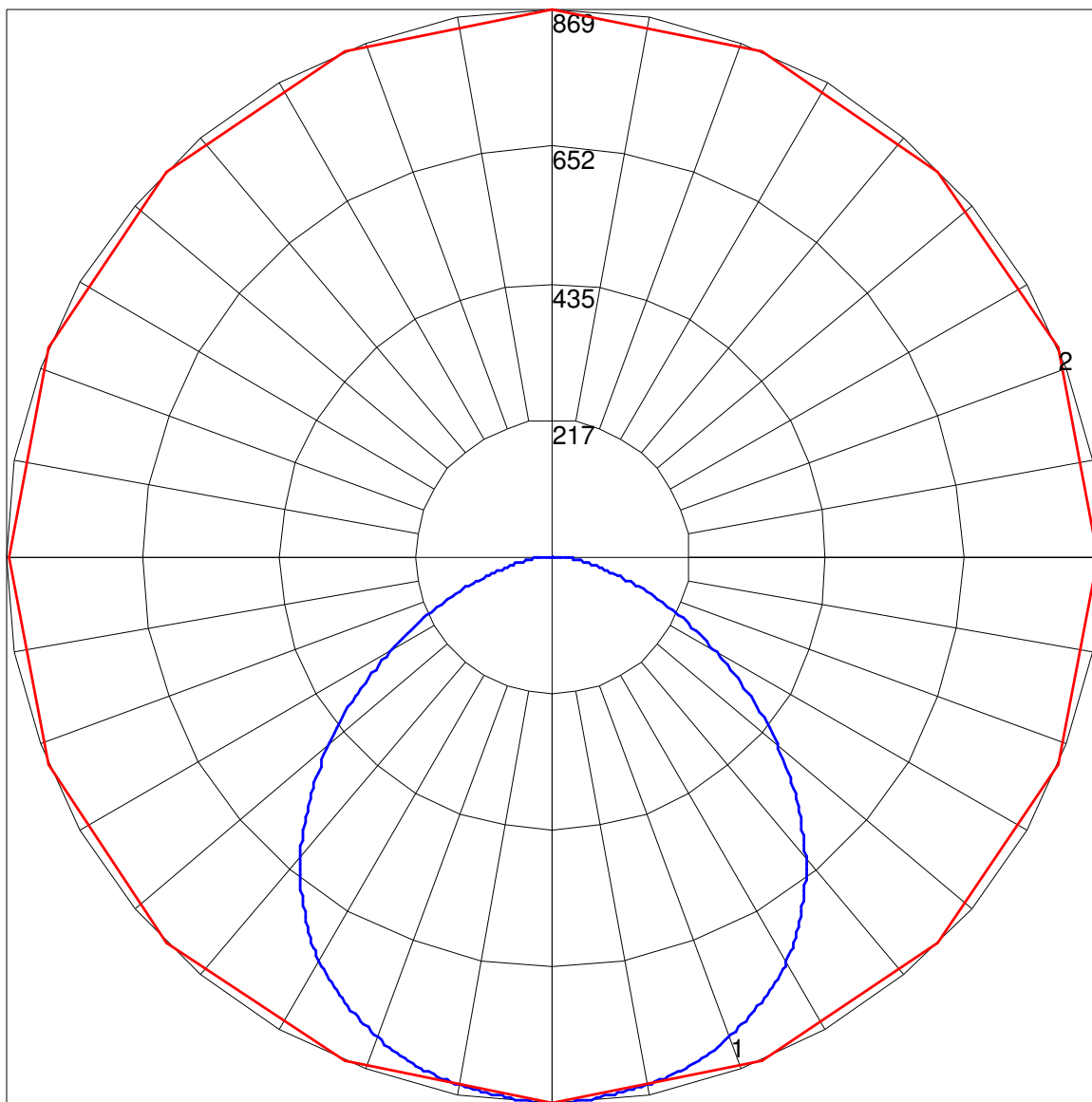
Reflectances

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	15.9	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	17.9	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	21.9	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	18.7
	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 = 869.478 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.)