



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L30-935-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-L30-935-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	2478
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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	2671	2551	2375
55	2642	2339	2022
65	2635	1972	1600
75	2516	1386	1123
85	1628	820	862

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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	889.116	889.116	889.116	889.116	889.116
0.5	887.548	889.508	888.332	889.900	890.684
1.0	887.548	889.116	887.940	889.508	890.292
1.5	887.156	889.116	887.548	889.116	889.900
2.0	887.156	888.724	887.156	888.724	889.508
2.5	886.764	888.332	886.764	888.332	888.724
3.0	886.764	887.940	885.980	887.548	887.940
3.5	886.372	887.548	885.588	886.764	887.548
4.0	885.980	887.156	884.804	886.372	886.764
4.5	885.588	886.764	884.020	885.588	885.980
5.0	885.196	885.980	883.236	884.804	884.804
5.5	884.804	885.196	882.452	884.020	884.020
6.0	884.412	884.412	881.668	882.844	883.236
6.5	883.628	883.628	880.884	882.060	882.452
7.0	882.844	882.844	879.708	881.276	881.276
7.5	882.060	881.668	878.924	880.100	880.492
8.0	881.276	880.884	877.748	879.316	879.316
8.5	880.492	879.708	876.571	878.140	878.532
9.0	879.316	878.532	875.787	876.964	877.356
9.5	878.532	877.356	874.611	875.787	876.179
10.0	877.356	876.179	873.043	874.611	875.003
10.5	876.179	875.003	871.867	873.043	873.827
11.0	874.611	873.435	870.691	871.867	872.651
11.5	873.435	872.259	869.123	870.691	871.083
12.0	872.259	870.691	867.555	869.123	869.515
12.5	870.691	869.123	865.987	867.555	867.947
13.0	869.123	867.555	864.419	865.987	866.379
13.5	867.555	865.987	862.851	864.419	864.811
14.0	865.595	864.027	860.890	862.851	863.243
14.5	864.027	862.067	859.322	860.890	861.674
15.0	862.067	860.498	857.362	858.930	859.714
15.5	860.106	858.538	855.402	856.970	857.754
16.0	858.146	856.186	853.050	855.010	855.794
16.5	856.186	854.226	851.090	852.658	853.834
17.0	854.226	852.266	848.738	850.306	851.482
17.5	852.266	849.914	846.777	847.954	849.130
18.0	850.306	847.954	844.425	845.601	846.385
18.5	847.954	845.601	842.073	843.249	844.033
19.0	845.993	843.249	839.721	840.505	840.897
19.5	843.641	840.897	836.977	837.761	838.153
20.0	841.289	838.545	834.625	835.017	835.017
20.5	838.545	836.193	831.880	832.272	831.880
21.0	836.193	833.449	829.136	829.136	828.744
21.5	833.841	830.704	826.392	826.000	825.608
22.0	831.096	827.960	823.648	823.256	822.472
22.5	828.352	825.216	820.512	819.728	819.336
23.0	825.608	822.472	817.767	816.591	816.199
23.5	822.864	819.336	814.631	813.455	812.671
24.0	819.728	816.199	811.495	809.927	809.143
24.5	816.591	813.063	808.359	806.399	805.615
25.0	813.455	809.535	804.831	803.263	802.478
25.5	810.319	806.399	801.694	799.734	798.950
26.0	807.183	802.870	798.166	796.206	795.422
26.5	803.655	799.342	794.638	792.678	791.894

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CANDELA TABULATION - (Cont.)

27.0	800.126	795.814	791.110	789.150	787.973
27.5	796.598	791.894	787.581	785.229	784.053
28.0	792.678	788.365	784.053	781.309	780.133
28.5	789.150	784.445	780.133	776.997	775.821
29.0	785.229	780.525	776.213	773.076	771.508
29.5	781.309	776.997	772.292	768.372	767.196
30.0	777.389	773.076	768.372	764.060	762.100
30.5	773.468	768.764	764.060	759.356	757.003
31.0	769.548	764.844	759.748	754.651	751.907
31.5	765.628	760.532	755.435	749.555	746.811
32.0	761.316	756.611	751.123	744.459	741.322
32.5	757.003	752.299	746.419	739.362	735.834
33.0	753.083	747.987	741.714	734.266	730.346
33.5	748.379	743.674	737.010	728.777	724.465
34.0	744.066	739.362	731.914	723.289	718.585
34.5	739.754	735.050	727.209	717.409	712.704
35.0	735.442	730.346	722.113	711.920	706.432
35.5	731.130	725.641	717.017	706.040	700.552
36.0	726.425	720.937	711.920	700.160	694.279
36.5	721.721	716.233	706.432	694.279	687.615
37.0	717.017	711.136	701.336	688.007	681.342
37.5	712.312	706.432	695.847	681.734	674.678
38.0	707.216	701.336	690.359	675.462	668.013
38.5	702.120	696.239	684.478	669.189	661.349
39.0	697.023	691.143	678.990	662.525	654.292
39.5	691.535	686.047	673.110	655.468	647.628
40.0	686.439	680.558	667.229	648.412	640.179
40.5	681.342	675.070	661.349	641.356	632.339
41.0	675.854	669.581	655.076	634.299	624.890
41.5	670.365	664.093	649.196	626.851	617.442
42.0	664.877	658.605	642.532	619.794	609.993
42.5	659.389	653.116	636.259	611.954	602.153
43.0	653.508	647.236	629.595	604.505	593.528
43.5	647.628	641.748	622.930	596.664	585.688
44.0	642.140	635.475	616.266	588.824	577.455
44.5	636.259	629.595	609.209	580.983	568.831
45.0	630.771	623.714	602.545	573.143	560.990
45.5	624.890	617.834	595.488	565.302	552.758
46.0	619.010	611.562	588.432	557.070	544.525
46.5	613.130	605.681	580.983	548.837	535.900
47.0	607.249	599.409	573.927	540.605	527.276
47.5	601.369	593.136	566.870	532.372	519.043
48.0	595.488	586.864	559.422	524.140	510.419
48.5	589.216	580.983	551.973	515.907	501.794
49.0	582.944	574.319	544.525	507.674	493.169
49.5	576.671	568.047	536.684	499.050	484.153
50.0	570.399	561.774	528.844	490.425	475.528
50.5	564.518	555.110	521.395	482.193	466.904
51.0	557.854	548.837	513.163	473.568	458.279
51.5	551.581	542.173	505.322	465.336	449.655
52.0	545.309	535.508	497.482	456.319	441.030
52.5	538.645	528.844	489.641	447.694	432.013
53.0	531.980	522.179	481.409	438.678	423.389
53.5	525.708	515.123	472.784	429.661	414.372
54.0	519.435	508.459	464.944	421.037	404.963
54.5	512.771	501.402	456.711	412.020	395.947

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CANDELA TABULATION - (Cont.)

55.0	506.106	494.346	448.086	403.395	387.440
55.5	499.442	487.289	439.462	394.379	378.423
56.0	492.777	480.233	430.837	385.676	369.367
56.5	486.113	472.784	422.213	376.777	360.233
57.0	479.841	465.728	413.588	367.643	351.491
57.5	473.176	458.671	404.963	358.704	342.866
58.0	466.512	451.223	395.947	349.962	334.163
58.5	459.847	443.774	387.009	341.142	325.539
59.0	453.575	436.326	377.953	332.478	317.150
59.5	446.910	428.877	369.171	323.775	309.897
60.0	440.246	421.037	360.390	316.169	301.625
60.5	433.581	413.588	351.687	308.133	294.451
61.0	427.309	406.140	342.984	300.175	286.219
61.5	420.253	398.299	334.438	293.314	278.300
62.0	413.588	390.772	326.088	285.121	270.146
62.5	406.924	383.088	318.090	277.124	262.266
63.0	400.259	375.130	310.407	269.205	254.543
63.5	393.203	367.290	302.645	261.403	247.055
64.0	386.225	359.214	295.353	253.680	239.920
64.5	379.129	351.334	286.885	245.997	232.903
65.0	371.916	343.141	278.417	238.587	225.807
65.5	364.506	334.712	269.950	230.982	218.868
66.0	357.332	326.127	261.325	223.534	211.851
66.5	349.962	318.051	252.740	216.046	204.795
67.0	342.670	310.054	244.311	208.676	197.738
67.5	335.222	302.527	235.882	201.306	190.760
68.0	327.460	294.334	227.415	194.092	183.860
68.5	319.541	285.631	218.986	186.644	176.922
69.0	312.524	276.536	210.675	179.235	170.218
69.5	306.447	267.245	202.168	172.060	163.436
70.0	299.195	258.032	193.779	165.122	156.889
70.5	291.080	248.702	185.585	158.340	150.303
71.0	282.965	239.411	177.627	151.636	144.148
71.5	274.575	230.041	169.865	145.246	138.072
72.0	266.500	220.829	162.025	138.895	131.995
72.5	258.424	211.616	154.380	132.662	125.841
73.0	250.270	202.482	147.128	126.585	119.803
73.5	242.076	193.465	140.071	120.431	113.884
74.0	233.883	184.605	133.171	114.354	108.121
74.5	225.729	175.589	126.429	108.435	102.476
75.0	217.496	166.847	119.803	102.476	97.105
75.5	209.068	158.144	113.531	96.870	92.048
76.0	200.796	149.558	107.376	91.421	87.148
76.5	192.485	141.130	101.260	86.246	82.247
77.0	184.292	132.779	95.341	81.306	77.660
77.5	175.902	124.743	89.500	76.563	73.152
78.0	167.317	116.942	83.737	71.937	68.840
78.5	158.928	109.219	78.131	67.389	64.802
79.0	150.303	101.809	72.760	63.116	60.764
79.5	141.718	94.635	67.585	58.922	56.883
80.0	132.858	87.657	62.646	54.923	53.159
80.5	124.116	80.993	57.942	51.159	49.670
81.0	115.295	74.524	53.472	47.514	46.573
81.5	106.278	68.213	49.121	44.103	43.711
82.0	97.301	62.175	44.848	41.045	40.810
82.5	88.284	56.373	40.888	38.066	37.635

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CANDELA TABULATION - (Cont.)

83.0	79.542	50.807	37.007	34.930	34.302
83.5	70.604	45.083	33.597	31.519	31.245
84.0	62.215	39.791	30.382	28.461	28.814
84.5	54.335	34.890	27.167	26.070	26.815
85.0	47.396	30.264	23.874	24.070	25.090
85.5	40.888	25.874	20.934	22.267	23.208
86.0	34.616	21.875	18.464	20.189	20.973
86.5	28.540	18.229	16.387	17.798	18.229
87.0	22.894	14.897	14.270	14.975	15.171
87.5	17.720	11.918	11.800	11.996	12.035
88.0	12.937	9.213	9.134	9.173	9.330
88.5	8.781	6.821	6.625	6.782	6.939
89.0	5.332	4.548	4.273	4.548	4.783
89.5	2.274	2.431	2.274	2.587	2.666
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-L30-935-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-L30-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	326.82	N.A.	13.20
0-30	698.56	N.A.	28.20
0-40	1149.43	N.A.	46.40
0-60	2010.82	N.A.	81.20
0-80	2443.32	N.A.	98.60
0-90	2477.8	N.A.	100.00
10-90	2393.66	N.A.	96.60
20-40	822.61	N.A.	33.20
20-50	1283.95	N.A.	51.80
40-70	1147.65	N.A.	46.30
60-80	432.49	N.A.	17.50
70-80	146.24	N.A.	5.90
80-90	34.49	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	2477.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	84.15
10-20	242.67
20-30	371.74
30-40	450.87
40-50	461.34
50-60	400.06
60-70	286.25
70-80	146.24
80-90	34.49
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-L30-935-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-L30-935-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

X=2H	Y=2H	15.9	17.6	16.3	17.9	18.2	14.1	15.7	14.5	16.0	16.4
	3H	17.9	19.4	18.3	19.7	20.1	15.4	16.9	15.8	17.2	17.6
	4H	18.7	20.0	19.1	20.4	20.8	15.8	17.2	16.2	17.5	17.9
	6H	19.2	20.5	19.6	20.9	21.3	16.0	17.3	16.5	17.7	18.1
	8H	19.4	20.6	19.8	21.0	21.4	16.1	17.3	16.6	17.7	18.1
	12H	19.5	20.7	19.9	21.0	21.5	16.2	17.3	16.6	17.7	18.1

UGR Viewed Endwise

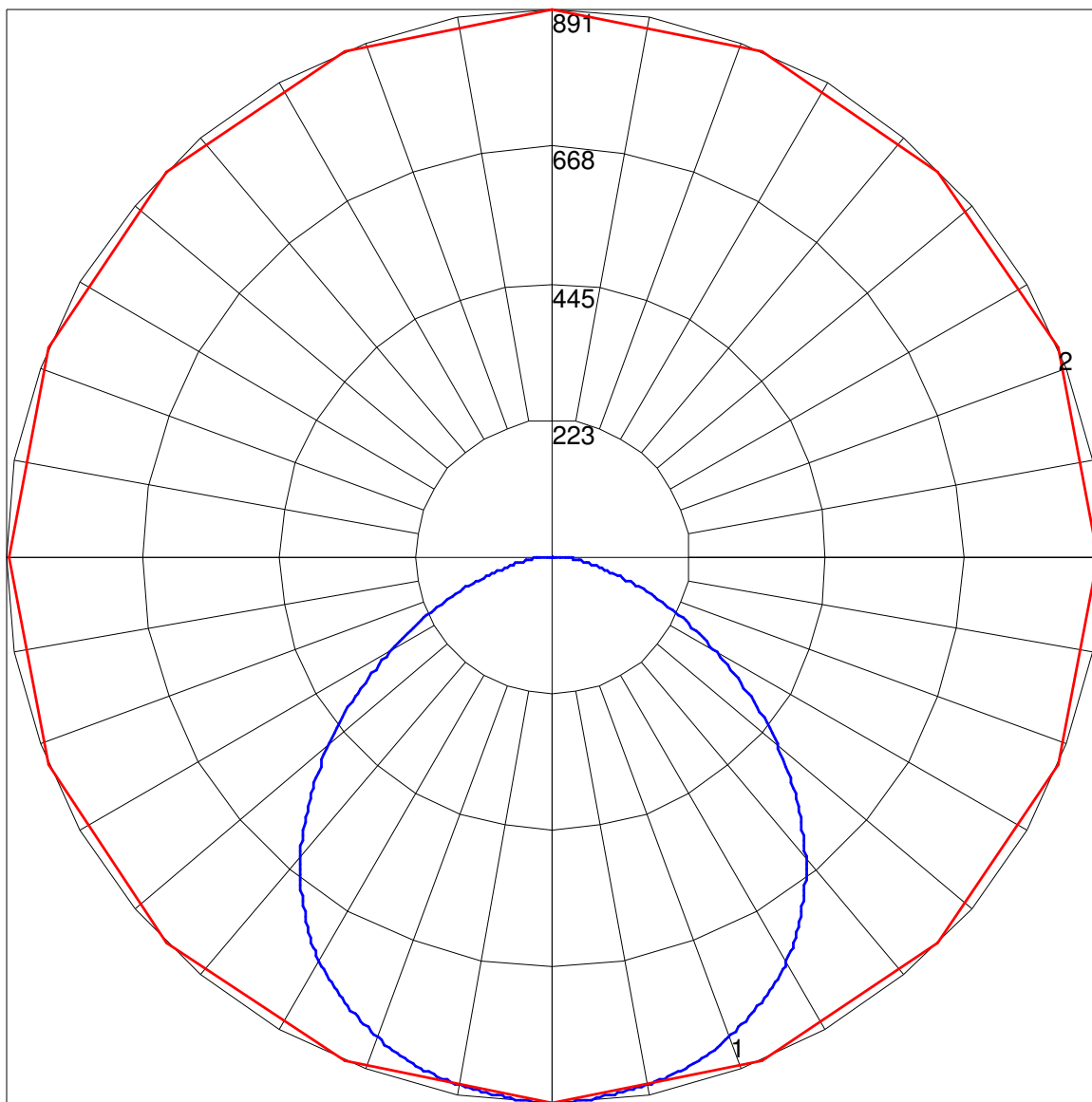
4H	2H	16.3	17.7	16.7	18.0	18.4	14.8	16.2	15.2	16.6	16.9
	3H	18.5	19.6	18.9	20.0	20.4	16.3	17.5	16.7	17.9	18.3
	4H	19.3	20.4	19.8	20.8	21.2	16.8	17.8	17.2	18.2	18.7
	6H	20.0	20.9	20.5	21.4	21.8	17.1	18.0	17.6	18.5	18.9
	8H	20.2	21.1	20.7	21.5	22.0	17.2	18.0	17.7	18.5	19.0
	12H	20.4	21.1	20.9	21.6	22.1	17.3	18.0	17.8	18.5	19.0

8H	4H	19.4	20.3	19.9	20.7	21.2	17.1	17.9	17.6	18.4	18.9
	6H	20.2	20.9	20.7	21.4	21.8	17.5	18.2	18.0	18.7	19.2
	8H	20.4	21.1	20.9	21.6	22.1	17.7	18.3	18.2	18.8	19.3
	12H	20.6	21.2	21.1	21.7	22.2	17.8	18.3	18.3	18.8	19.4

12H	4H	19.4	20.2	19.9	20.7	21.1	17.2	17.9	17.6	18.4	18.8
	6H	20.2	20.8	20.7	21.3	21.8	17.6	18.2	18.1	18.7	19.2
	8H	20.4	21.0	21.0	21.5	22.1	17.7	18.3	18.2	18.8	19.3

Maximum UGR = 22.2

POLAR GRAPH



Maximum Candela = 890.684 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.)