



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L30-835-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-L30-835-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	2950
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	3179	3037	2828
55	3145	2784	2408
65	3137	2348	1904
75	2995	1650	1337
85	1938	976	1026

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BAR-14-L30-835-DIM-UNV\_.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1058.472	1058.472	1058.472	1058.472	1058.472
0.5	1056.605	1058.938	1057.538	1059.405	1060.339
1.0	1056.605	1058.472	1057.072	1058.938	1059.872
1.5	1056.138	1058.472	1056.605	1058.472	1059.405
2.0	1056.138	1058.005	1056.138	1058.005	1058.938
2.5	1055.672	1057.538	1055.672	1057.538	1058.005
3.0	1055.672	1057.072	1054.738	1056.605	1057.072
3.5	1055.205	1056.605	1054.271	1055.672	1056.605
4.0	1054.738	1056.138	1053.338	1055.205	1055.672
4.5	1054.271	1055.672	1052.405	1054.271	1054.738
5.0	1053.805	1054.738	1051.471	1053.338	1053.338
5.5	1053.338	1053.805	1050.538	1052.405	1052.405
6.0	1052.871	1052.871	1049.604	1051.005	1051.471
6.5	1051.938	1051.938	1048.671	1050.071	1050.538
7.0	1051.005	1051.005	1047.271	1049.138	1049.138
7.5	1050.071	1049.604	1046.338	1047.738	1048.204
8.0	1049.138	1048.671	1044.937	1046.804	1046.804
8.5	1048.204	1047.271	1043.537	1045.404	1045.871
9.0	1046.804	1045.871	1042.604	1044.004	1044.471
9.5	1045.871	1044.471	1041.204	1042.604	1043.071
10.0	1044.471	1043.071	1039.337	1041.204	1041.671
10.5	1043.071	1041.671	1037.937	1039.337	1040.270
11.0	1041.204	1039.804	1036.537	1037.937	1038.870
11.5	1039.804	1038.404	1034.670	1036.537	1037.004
12.0	1038.404	1036.537	1032.803	1034.670	1035.137
12.5	1036.537	1034.670	1030.937	1032.803	1033.270
13.0	1034.670	1032.803	1029.070	1030.937	1031.403
13.5	1032.803	1030.937	1027.203	1029.070	1029.536
14.0	1030.470	1028.603	1024.869	1027.203	1027.670
14.5	1028.603	1026.270	1023.003	1024.869	1025.803
15.0	1026.270	1024.403	1020.669	1022.536	1023.469
15.5	1023.936	1022.069	1018.336	1020.202	1021.136
16.0	1021.603	1019.269	1015.535	1017.869	1018.802
16.5	1019.269	1016.936	1013.202	1015.069	1016.469
17.0	1016.936	1014.602	1010.402	1012.269	1013.669
17.5	1014.602	1011.802	1008.068	1009.468	1010.868
18.0	1012.269	1009.468	1005.268	1006.668	1007.602
18.5	1009.468	1006.668	1002.468	1003.868	1004.801
19.0	1007.135	1003.868	999.668	1000.601	1001.068
19.5	1004.335	1001.068	996.401	997.334	997.801
20.0	1001.535	998.268	993.601	994.067	994.067
20.5	998.268	995.467	990.334	990.800	990.334
21.0	995.467	992.201	987.067	987.067	986.600
21.5	992.667	988.934	983.800	983.333	982.867
22.0	989.400	985.667	980.533	980.066	979.133
22.5	986.133	982.400	976.800	975.866	975.399
23.0	982.867	979.133	973.533	972.133	971.666
23.5	979.600	975.399	969.799	968.399	967.466
24.0	975.866	971.666	966.065	964.199	963.265
24.5	972.133	967.932	962.332	959.998	959.065
25.0	968.399	963.732	958.132	956.265	955.331
25.5	964.665	959.998	954.398	952.065	951.131
26.0	960.932	955.798	950.198	947.864	946.931
26.5	956.731	951.598	945.997	943.664	942.731

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BAR-14-L30-835-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

27.0	952.531	947.398	941.797	939.464	938.064
27.5	948.331	942.731	937.597	934.797	933.397
28.0	943.664	938.530	933.397	930.130	928.730
28.5	939.464	933.863	928.730	924.996	923.596
29.0	934.797	929.196	924.063	920.329	918.462
29.5	930.130	924.996	919.396	914.729	913.329
30.0	925.463	920.329	914.729	909.595	907.261
30.5	920.796	915.195	909.595	903.995	901.194
31.0	916.129	910.528	904.461	898.394	895.127
31.5	911.462	905.395	899.328	892.327	889.060
32.0	906.328	900.728	894.194	886.260	882.526
32.5	901.194	895.594	888.594	880.193	875.993
33.0	896.527	890.460	882.993	874.126	869.459
33.5	890.927	885.327	877.393	867.592	862.458
34.0	885.793	880.193	871.326	861.058	855.458
34.5	880.660	875.059	865.725	854.058	848.457
35.0	875.526	869.459	859.658	847.524	840.990
35.5	870.392	863.859	853.591	840.524	833.990
36.0	864.792	858.258	847.524	833.523	826.523
36.5	859.192	852.658	840.990	826.523	818.589
37.0	853.591	846.591	834.923	819.055	811.122
37.5	847.991	840.990	828.389	811.588	803.188
38.0	841.924	834.923	821.856	804.121	795.254
38.5	835.857	828.856	814.855	796.654	787.320
39.0	829.790	822.789	808.321	788.720	778.919
39.5	823.256	816.722	801.321	780.320	770.986
40.0	817.189	810.188	794.320	771.919	762.118
40.5	811.122	803.654	787.320	763.518	752.784
41.0	804.588	797.121	779.853	755.118	743.917
41.5	798.054	790.587	772.852	746.251	735.050
42.0	791.520	784.053	764.918	737.850	726.183
42.5	784.987	777.519	757.451	728.516	716.849
43.0	777.986	770.519	749.517	719.649	706.581
43.5	770.986	763.985	741.584	710.315	697.247
44.0	764.452	756.518	733.650	700.981	687.447
44.5	757.451	749.517	725.249	691.647	677.179
45.0	750.918	742.517	717.315	682.313	667.845
45.5	743.917	735.517	708.915	672.979	658.045
46.0	736.917	728.049	700.514	663.178	648.244
46.5	729.916	721.049	691.647	653.378	637.977
47.0	722.916	713.582	683.246	643.577	627.709
47.5	715.915	706.115	674.846	633.776	617.909
48.0	708.915	698.647	665.978	623.976	607.641
48.5	701.448	691.647	657.111	614.175	597.374
49.0	693.980	683.713	648.244	604.374	587.106
49.5	686.513	676.246	638.910	594.107	576.372
50.0	679.046	668.779	629.576	583.840	566.105
50.5	672.046	660.845	620.709	574.039	555.838
51.0	664.112	653.378	610.908	563.772	545.570
51.5	656.644	645.444	601.574	553.971	535.303
52.0	649.177	637.510	592.240	543.237	525.036
52.5	641.243	629.576	582.906	532.969	514.302
53.0	633.310	621.642	573.105	522.235	504.034
53.5	625.842	613.242	562.838	511.501	493.300
54.0	618.375	605.308	553.504	501.234	482.099
54.5	610.441	596.907	543.704	490.500	471.365

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BAR-14-L30-835-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	602.507	588.507	533.436	480.233	461.238
55.5	594.574	580.106	523.169	469.498	450.504
56.0	586.640	571.705	512.901	459.138	439.723
56.5	578.706	562.838	502.634	448.544	428.849
57.0	571.239	554.438	492.367	437.670	418.442
57.5	563.305	546.037	482.099	427.029	408.174
58.0	555.371	537.170	471.365	416.622	397.814
58.5	547.437	528.302	460.725	406.121	387.546
59.0	539.970	519.435	449.944	395.807	377.559
59.5	532.036	510.568	439.490	385.446	368.925
60.0	524.102	501.234	429.036	376.392	359.078
60.5	516.168	492.367	418.675	366.825	350.537
61.0	508.701	483.499	408.314	357.351	340.736
61.5	500.301	474.165	398.140	349.184	331.309
62.0	492.367	465.205	388.200	339.430	321.602
62.5	484.433	456.058	378.679	329.909	312.221
63.0	476.499	446.584	369.532	320.482	303.027
63.5	468.098	437.250	360.291	311.194	294.113
64.0	459.791	427.636	351.610	302.000	285.619
64.5	451.344	418.255	341.530	292.853	277.265
65.0	442.757	408.501	331.449	284.033	268.818
65.5	433.936	398.467	321.368	274.979	260.558
66.0	425.395	388.246	311.101	266.111	252.204
66.5	416.622	378.632	300.880	257.197	243.803
67.0	407.941	369.112	290.846	248.423	235.403
67.5	399.074	360.151	280.812	239.650	227.095
68.0	389.833	350.397	270.732	231.062	218.881
68.5	380.406	340.036	260.698	222.195	210.621
69.0	372.052	329.209	250.804	213.374	202.640
69.5	364.818	318.148	240.676	204.834	194.567
70.0	356.184	307.181	230.689	196.573	186.773
70.5	346.523	296.073	220.935	188.499	178.932
71.0	336.863	285.013	211.461	180.519	171.605
71.5	326.875	273.859	202.220	172.912	164.371
72.0	317.261	262.891	192.886	165.351	157.137
72.5	307.648	251.924	183.786	157.931	149.810
73.0	297.940	241.050	175.152	150.697	142.623
73.5	288.186	230.316	166.751	143.370	135.576
74.0	278.432	219.768	158.537	136.136	128.715
74.5	268.725	209.034	150.510	129.089	121.995
75.0	258.924	198.627	142.623	121.995	115.601
75.5	248.890	188.266	135.156	115.321	109.581
76.0	239.043	178.045	127.829	108.834	103.747
76.5	229.149	168.011	120.548	102.674	97.913
77.0	219.395	158.071	113.501	96.793	92.453
77.5	209.408	148.503	106.547	91.146	87.086
78.0	199.187	139.216	99.687	85.639	81.952
78.5	189.199	130.022	93.013	80.225	77.145
79.0	178.932	121.202	86.619	75.138	72.338
79.5	168.711	112.661	80.459	70.145	67.718
80.0	158.164	104.354	74.578	65.384	63.284
80.5	147.757	96.420	68.978	60.904	59.131
81.0	137.256	88.719	63.658	56.564	55.444
81.5	126.522	81.206	58.477	52.504	52.037
82.0	115.835	74.018	53.390	48.863	48.583
82.5	105.100	67.111	48.677	45.316	44.803

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BAR-14-L30-835-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

83.0	94.693	60.484	44.056	41.583	40.836
83.5	84.052	53.670	39.996	37.523	37.196
84.0	74.065	47.370	36.169	33.882	34.302
84.5	64.684	41.536	32.342	31.035	31.922
85.0	56.424	36.029	28.422	28.655	29.869
85.5	48.677	30.802	24.922	26.508	27.629
86.0	41.209	26.042	21.981	24.035	24.968
86.5	33.976	21.701	19.508	21.188	21.701
87.0	27.255	17.735	16.988	17.828	18.061
87.5	21.095	14.188	14.048	14.281	14.328
88.0	15.401	10.967	10.874	10.921	11.107
88.5	10.454	8.121	7.887	8.074	8.261
89.0	6.347	5.414	5.087	5.414	5.694
89.5	2.707	2.894	2.707	3.080	3.174
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

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : BAR-14-L30-835-DIM-UNV\_.IES

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-14-L30-835-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-14-L30-835-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-L30-835-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	389.07	N.A.	13.20
0-30	831.62	N.A.	28.20
0-40	1368.36	N.A.	46.40
0-60	2393.84	N.A.	81.20
0-80	2908.71	N.A.	98.60
0-90	2949.77	N.A.	100.00
10-90	2849.59	N.A.	96.60
20-40	979.30	N.A.	33.20
20-50	1528.51	N.A.	51.80
40-70	1366.25	N.A.	46.30
60-80	514.87	N.A.	17.50
70-80	174.10	N.A.	5.90
80-90	41.06	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	2949.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	100.18
10-20	288.89
20-30	442.55
30-40	536.75
40-50	549.21
50-60	476.26
60-70	340.78
70-80	174.10
80-90	41.06
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-L30-835-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-L30-835-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

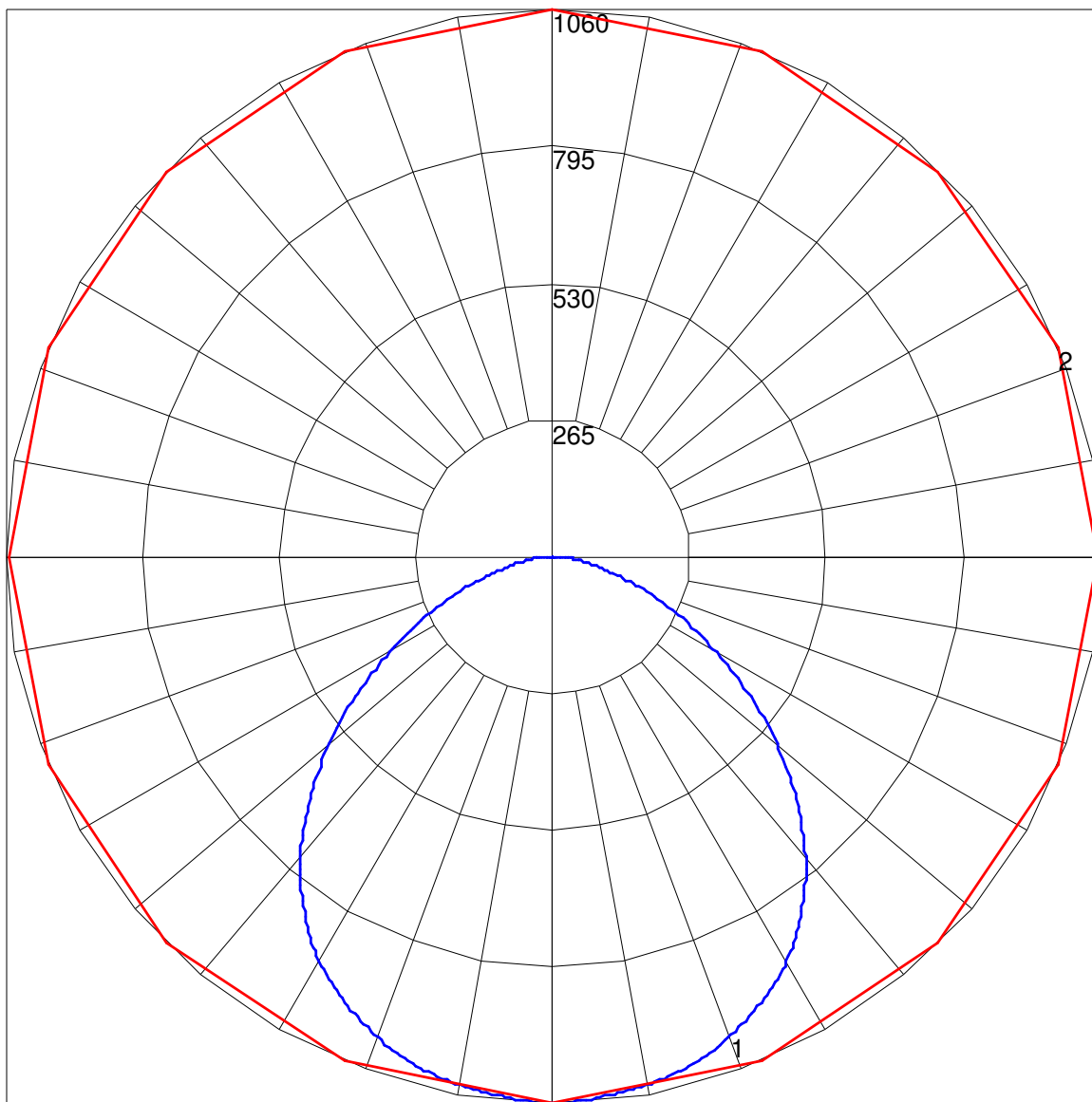
Reflectances

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	16.5	18.2	16.9	18.5	18.8	14.7	16.3	15.1	16.6	17.0
	3H	18.5	20.0	18.9	20.3	20.7	16.0	17.5	16.4	17.8	18.2
	4H	19.3	20.6	19.7	21.0	21.4	16.4	17.8	16.8	18.1	18.5
	6H	19.8	21.1	20.2	21.5	21.9	16.7	17.9	17.1	18.3	18.7
	8H	20.0	21.2	20.4	21.6	22.0	16.7	17.9	17.2	18.3	18.7
	12H	20.1	21.3	20.5	21.6	22.1	16.8	17.9	17.2	18.3	18.7
4H	2H	16.9	18.3	17.3	18.6	19.0	15.4	16.8	15.8	17.2	17.5
	3H	19.1	20.2	19.5	20.6	21.0	16.9	18.1	17.3	18.5	18.9
	4H	19.9	21.0	20.4	21.4	21.8	17.4	18.4	17.8	18.8	19.3
	6H	20.6	21.5	21.1	22.0	22.4	17.7	18.6	18.2	19.1	19.5
	8H	20.8	21.7	21.3	22.1	22.6	17.8	18.7	18.3	19.1	19.6
	12H	21.0	21.7	21.5	22.2	22.7	17.9	18.6	18.4	19.1	19.6
8H	4H	20.0	20.9	20.5	21.3	21.8	17.7	18.5	18.2	19.0	19.5
	6H	20.8	21.5	21.3	22.0	22.4	18.1	18.8	18.6	19.3	19.8
	8H	21.0	21.7	21.5	22.2	22.7	18.3	18.9	18.8	19.4	19.9
	12H	21.2	21.8	21.7	22.3	22.8	18.4	18.9	18.9	19.4	20.0
12H	4H	20.0	20.8	20.5	21.3	21.7	17.8	18.5	18.2	19.0	19.5
	6H	20.8	21.4	21.3	21.9	22.4	18.2	18.8	18.7	19.3	19.8
	8H	21.0	21.6	21.6	22.1	22.7	18.3	18.9	18.8	19.4	19.9

Maximum UGR = 22.8

POLAR GRAPH



Maximum Candela = 1060.339 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.)