



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L30-827-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-L30-827-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	2861
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	3084	2946	2743
55	3051	2701	2335
65	3042	2278	1847
75	2905	1600	1297
85	1880	947	995

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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	1026.718	1026.718	1026.718	1026.718	1026.718
0.5	1024.907	1027.170	1025.812	1027.623	1028.528
1.0	1024.907	1026.718	1025.360	1027.170	1028.076
1.5	1024.454	1026.718	1024.907	1026.718	1027.623
2.0	1024.454	1026.265	1024.454	1026.265	1027.170
2.5	1024.002	1025.812	1024.002	1025.812	1026.265
3.0	1024.002	1025.360	1023.096	1024.907	1025.360
3.5	1023.549	1024.907	1022.643	1024.002	1024.907
4.0	1023.096	1024.454	1021.738	1023.549	1024.002
4.5	1022.643	1024.002	1020.833	1022.643	1023.096
5.0	1022.191	1023.096	1019.927	1021.738	1021.738
5.5	1021.738	1022.191	1019.022	1020.833	1020.833
6.0	1021.285	1021.285	1018.116	1019.475	1019.927
6.5	1020.380	1020.380	1017.211	1018.569	1019.022
7.0	1019.475	1019.475	1015.853	1017.664	1017.664
7.5	1018.569	1018.116	1014.948	1016.306	1016.758
8.0	1017.664	1017.211	1013.589	1015.400	1015.400
8.5	1016.758	1015.853	1012.231	1014.042	1014.495
9.0	1015.400	1014.495	1011.326	1012.684	1013.137
9.5	1014.495	1013.137	1009.968	1011.326	1011.779
10.0	1013.137	1011.779	1008.157	1009.968	1010.421
10.5	1011.779	1010.421	1006.799	1008.157	1009.062
11.0	1009.968	1008.610	1005.441	1006.799	1007.704
11.5	1008.610	1007.252	1003.630	1005.441	1005.894
12.0	1007.252	1005.441	1001.819	1003.630	1004.083
12.5	1005.441	1003.630	1000.009	1001.819	1002.272
13.0	1003.630	1001.819	998.198	1000.009	1000.461
13.5	1001.819	1000.009	996.387	998.198	998.650
14.0	999.556	997.745	994.123	996.387	996.840
14.5	997.745	995.482	992.313	994.123	995.029
15.0	995.482	993.671	990.049	991.860	992.765
15.5	993.218	991.407	987.786	989.597	990.502
16.0	990.955	988.691	985.070	987.333	988.238
16.5	988.691	986.428	982.806	984.617	985.975
17.0	986.428	984.164	980.090	981.901	983.259
17.5	984.164	981.448	977.826	979.184	980.543
18.0	981.901	979.184	975.110	976.468	977.374
18.5	979.184	976.468	972.394	973.752	974.657
19.0	976.921	973.752	969.678	970.583	971.036
19.5	974.205	971.036	966.509	967.414	967.867
20.0	971.489	968.320	963.793	964.245	964.245
20.5	968.320	965.604	960.624	961.077	960.624
21.0	965.604	962.435	957.455	957.455	957.002
21.5	962.887	959.266	954.286	953.833	953.381
22.0	959.718	956.097	951.117	950.665	949.759
22.5	956.550	952.928	947.496	946.590	946.138
23.0	953.381	949.759	944.327	942.969	942.516
23.5	950.212	946.138	940.705	939.347	938.442
24.0	946.590	942.516	937.084	935.273	934.367
24.5	942.969	938.894	933.462	931.199	930.293
25.0	939.347	934.820	929.388	927.577	926.672
25.5	935.726	931.199	925.766	923.503	922.597
26.0	932.104	927.124	921.692	919.428	918.523
26.5	928.030	923.050	917.618	915.354	914.449

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CANDELA TABULATION - (Cont.)

27.0	923.955	918.976	913.543	911.280	909.922
27.5	919.881	914.449	909.469	906.753	905.395
28.0	915.354	910.374	905.395	902.226	900.868
28.5	911.280	905.847	900.868	897.246	895.888
29.0	906.753	901.321	896.341	892.719	890.908
29.5	902.226	897.246	891.814	887.287	885.929
30.0	897.699	892.719	887.287	882.307	880.044
30.5	893.172	887.740	882.307	876.875	874.159
31.0	888.645	883.213	877.328	871.442	868.274
31.5	884.118	878.233	872.348	865.557	862.389
32.0	879.138	873.706	867.368	859.672	856.051
32.5	874.159	868.726	861.936	853.787	849.713
33.0	869.632	863.747	856.503	847.902	843.375
33.5	864.199	858.767	851.071	841.564	836.585
34.0	859.220	853.787	845.186	835.227	829.794
34.5	854.240	848.808	839.754	828.436	823.004
35.0	849.260	843.375	833.869	822.098	815.761
35.5	844.281	837.943	827.984	815.308	808.970
36.0	838.848	832.511	822.098	808.518	801.727
36.5	833.416	827.078	815.761	801.727	794.031
37.0	827.984	821.193	809.876	794.484	786.788
37.5	822.551	815.761	803.538	787.241	779.092
38.0	816.666	809.876	797.200	779.998	771.396
38.5	810.781	803.991	790.410	772.754	763.701
39.0	804.896	798.106	784.072	765.059	755.552
39.5	798.558	792.220	777.281	756.910	747.856
40.0	792.673	785.883	770.491	748.761	739.255
40.5	786.788	779.545	763.701	740.613	730.201
41.0	780.450	773.207	756.457	732.464	721.600
41.5	774.113	766.869	749.667	723.863	712.998
42.0	767.775	760.532	741.971	715.715	704.397
42.5	761.437	754.194	734.728	706.661	695.343
43.0	754.647	747.403	727.032	698.059	685.384
43.5	747.856	741.066	719.336	689.005	676.330
44.0	741.518	733.822	711.640	679.951	666.823
44.5	734.728	727.032	703.492	670.898	656.864
45.0	728.390	720.242	695.796	661.844	647.810
45.5	721.600	713.451	687.647	652.790	638.303
46.0	714.809	706.208	679.499	643.283	628.797
46.5	708.019	699.417	670.898	633.776	618.837
47.0	701.228	692.174	662.749	624.270	608.878
47.5	694.438	684.931	654.600	614.763	599.371
48.0	687.647	677.688	645.999	605.256	589.412
48.5	680.404	670.898	637.398	595.750	579.453
49.0	673.161	663.202	628.797	586.243	569.493
49.5	665.918	655.959	619.743	576.284	559.081
50.0	658.675	648.715	610.689	566.324	549.122
50.5	651.884	641.020	602.088	556.818	539.163
51.0	644.188	633.776	592.581	546.858	529.203
51.5	636.945	626.080	583.527	537.352	519.244
52.0	629.702	618.385	574.473	526.940	509.285
52.5	622.006	610.689	565.419	516.980	498.873
53.0	614.310	602.993	555.912	506.568	488.913
53.5	607.067	594.844	545.953	496.156	478.501
54.0	599.824	587.149	536.899	486.197	467.636
54.5	592.128	579.000	527.392	475.785	457.224

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CANDELA TABULATION - (Cont.)

55.0	584.432	570.851	517.433	465.826	447.401
55.5	576.736	562.703	507.474	455.414	436.989
56.0	569.041	554.554	497.514	445.364	426.531
56.5	561.345	545.953	487.555	435.087	415.984
57.0	554.102	537.805	477.596	424.540	405.888
57.5	546.406	529.656	467.636	414.218	395.929
58.0	538.710	521.055	457.224	404.123	385.879
58.5	531.014	512.453	446.903	393.937	375.920
59.0	523.771	503.852	436.446	383.933	366.232
59.5	516.075	495.251	426.305	373.883	357.857
60.0	508.379	486.197	416.165	365.100	348.305
60.5	500.683	477.596	406.115	355.820	340.021
61.0	493.440	468.995	396.065	346.630	330.514
61.5	485.292	459.941	386.196	338.708	321.370
62.0	477.596	451.249	376.554	329.247	311.954
62.5	469.900	442.376	367.319	320.012	302.855
63.0	462.204	433.186	358.446	310.867	293.936
63.5	454.055	424.132	349.482	301.859	285.290
64.0	445.997	414.807	341.062	292.940	277.051
64.5	437.804	405.707	331.284	284.068	268.948
65.0	429.474	396.246	321.506	275.512	260.754
65.5	420.918	386.513	311.727	266.729	252.741
66.0	412.634	376.599	301.768	258.128	244.638
66.5	404.123	367.273	291.854	249.482	236.489
67.0	395.703	358.038	282.121	240.971	228.341
67.5	387.102	349.347	272.388	232.460	220.283
68.0	378.138	339.885	262.610	224.130	212.315
68.5	368.994	329.835	252.877	215.529	204.302
69.0	360.890	319.333	243.280	206.973	196.561
69.5	353.874	308.604	233.456	198.689	188.730
70.0	345.499	297.965	223.768	190.676	181.169
70.5	336.128	287.191	214.307	182.844	173.564
71.0	326.757	276.462	205.117	175.103	166.457
71.5	317.069	265.643	196.154	167.724	159.440
72.0	307.744	255.004	187.100	160.391	152.423
72.5	298.418	244.366	178.272	153.193	145.316
73.0	289.002	233.818	169.897	146.176	138.344
73.5	279.541	223.406	161.749	139.069	131.509
74.0	270.079	213.175	153.781	132.052	124.854
74.5	260.663	202.763	145.995	125.216	118.335
75.0	251.157	192.668	138.344	118.335	112.133
75.5	241.424	182.618	131.101	111.862	106.293
76.0	231.872	172.704	123.994	105.569	100.635
76.5	222.274	162.971	116.932	99.593	94.976
77.0	212.813	153.329	110.096	93.889	89.679
77.5	203.125	144.048	103.351	88.412	84.473
78.0	193.211	135.040	96.696	83.070	79.494
78.5	183.524	126.121	90.223	77.819	74.831
79.0	173.564	117.566	84.021	72.884	70.168
79.5	163.650	109.281	78.045	68.040	65.686
80.0	153.419	101.223	72.341	63.423	61.386
80.5	143.324	93.527	66.909	59.077	57.357
81.0	133.138	86.058	61.748	54.867	53.780
81.5	122.726	78.769	56.723	50.928	50.476
82.0	112.359	71.798	51.789	47.397	47.126
82.5	101.947	65.098	47.216	43.957	43.459

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CANDELA TABULATION - (Cont.)

83.0	91.852	58.670	42.735	40.335	39.611
83.5	81.531	52.060	38.796	36.397	36.080
84.0	71.843	45.949	35.084	32.866	33.273
84.5	62.744	40.290	31.372	30.104	30.965
85.0	54.731	34.948	27.569	27.796	28.973
85.5	47.216	29.878	24.174	25.713	26.800
86.0	39.973	25.261	21.322	23.314	24.219
86.5	32.956	21.050	18.923	20.552	21.050
87.0	26.438	17.203	16.478	17.293	17.519
87.5	20.462	13.762	13.626	13.853	13.898
88.0	14.939	10.638	10.548	10.593	10.774
88.5	10.140	7.877	7.651	7.832	8.013
89.0	6.157	5.251	4.934	5.251	5.523
89.5	2.626	2.807	2.626	2.988	3.078
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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PHOTOMETRIC FILENAME : BAR-14-L30-827-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-L30-827-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-L30-827-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	377.40	N.A.	13.20
0-30	806.67	N.A.	28.20
0-40	1327.31	N.A.	46.40
0-60	2322.02	N.A.	81.20
0-80	2821.45	N.A.	98.60
0-90	2861.27	N.A.	100.00
10-90	2764.1	N.A.	96.60
20-40	949.92	N.A.	33.20
20-50	1482.65	N.A.	51.80
40-70	1325.26	N.A.	46.30
60-80	499.43	N.A.	17.50
70-80	168.88	N.A.	5.90
80-90	39.82	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	2861.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.17
10-20	280.23
20-30	429.27
30-40	520.64
40-50	532.74
50-60	461.97
60-70	330.55
70-80	168.88
80-90	39.82
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-L30-827-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-L30-827-DIM-UNV_.IES

UGR TABLE - CORRECTED

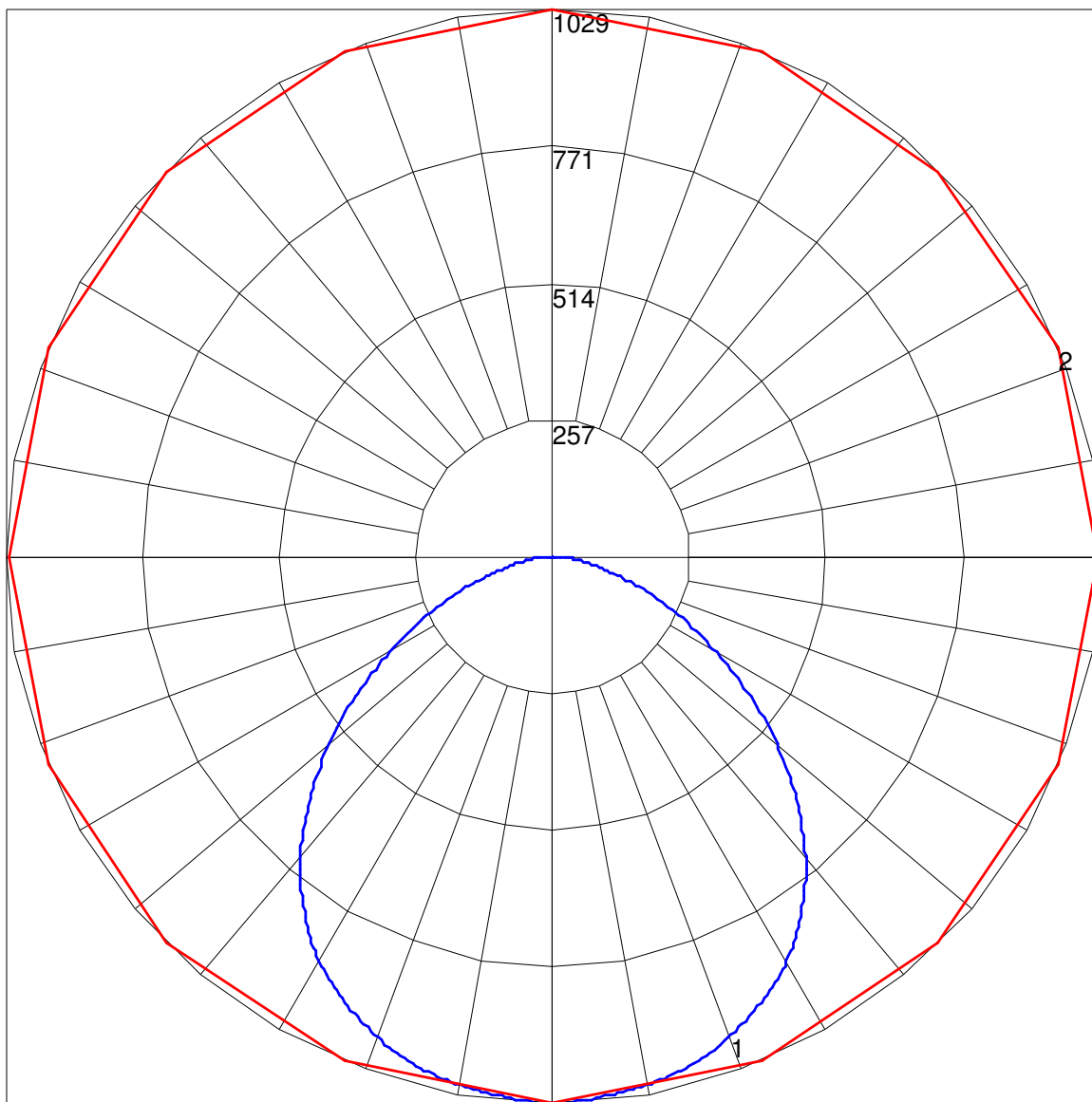
Reflectances

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	16.4	18.1	16.8	18.4	18.7	14.6	16.2	15.0	16.5	16.9
	3H	18.4	19.9	18.8	20.2	20.6	15.9	17.4	16.3	17.7	18.1
	4H	19.2	20.5	19.6	20.9	21.3	16.3	17.7	16.7	18.0	18.4
	6H	19.7	21.0	20.1	21.4	21.8	16.5	17.8	17.0	18.2	18.6
	8H	19.9	21.1	20.3	21.5	21.9	16.6	17.8	17.1	18.2	18.6
	12H	20.0	21.2	20.4	21.5	22.0	16.7	17.8	17.1	18.2	18.6
4H	2H	16.8	18.2	17.2	18.5	18.9	15.3	16.7	15.7	17.1	17.4
	3H	19.0	20.1	19.4	20.5	20.9	16.8	18.0	17.2	18.4	18.8
	4H	19.8	20.9	20.3	21.3	21.7	17.3	18.3	17.7	18.7	19.2
	6H	20.5	21.4	21.0	21.9	22.3	17.6	18.5	18.1	19.0	19.4
	8H	20.7	21.6	21.2	22.0	22.5	17.7	18.5	18.2	19.0	19.5
	12H	20.9	21.6	21.4	22.1	22.6	17.8	18.5	18.3	19.0	19.5
8H	4H	19.9	20.8	20.4	21.2	21.7	17.6	18.4	18.1	18.9	19.4
	6H	20.7	21.4	21.2	21.9	22.3	18.0	18.7	18.5	19.2	19.7
	8H	20.9	21.6	21.4	22.1	22.5	18.2	18.8	18.7	19.3	19.8
	12H	21.1	21.7	21.6	22.2	22.7	18.3	18.8	18.8	19.3	19.9
12H	4H	19.9	20.7	20.4	21.2	21.6	17.7	18.4	18.1	18.9	19.3
	6H	20.7	21.3	21.2	21.8	22.3	18.1	18.7	18.6	19.2	19.7
	8H	20.9	21.5	21.5	22.0	22.6	18.2	18.8	18.7	19.3	19.8

Maximum UGR = 22.7

POLAR GRAPH



Maximum Candela = 1028.528 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.)