



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L30-840-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GENERATED FROM 15729805.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2025-04-25
[TEST DATE] 3/18/2025
[MANUFAC] WILLIAMS INDOOR
[MORE] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] BAR-14-L30-840-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	3038
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
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	3275	3128	2913
55	3239	2868	2480
65	3231	2419	1962
75	3085	1699	1377
85	1996	1006	1057

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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	1090.226	1090.226	1090.226	1090.226	1090.226
0.5	1088.303	1090.707	1089.265	1091.187	1092.149
1.0	1088.303	1090.226	1088.784	1090.707	1091.668
1.5	1087.823	1090.226	1088.303	1090.226	1091.187
2.0	1087.823	1089.745	1087.823	1089.745	1090.707
2.5	1087.342	1089.265	1087.342	1089.265	1089.745
3.0	1087.342	1088.784	1086.380	1088.303	1088.784
3.5	1086.861	1088.303	1085.900	1087.342	1088.303
4.0	1086.380	1087.823	1084.938	1086.861	1087.342
4.5	1085.900	1087.342	1083.977	1085.900	1086.380
5.0	1085.419	1086.380	1083.016	1084.938	1084.938
5.5	1084.938	1085.419	1082.054	1083.977	1083.977
6.0	1084.458	1084.458	1081.093	1082.535	1083.016
6.5	1083.496	1083.496	1080.131	1081.573	1082.054
7.0	1082.535	1082.535	1078.689	1080.612	1080.612
7.5	1081.573	1081.093	1077.728	1079.170	1079.651
8.0	1080.612	1080.131	1076.286	1078.209	1078.209
8.5	1079.651	1078.689	1074.844	1076.766	1077.247
9.0	1078.209	1077.247	1073.882	1075.324	1075.805
9.5	1077.247	1075.805	1072.440	1073.882	1074.363
10.0	1075.805	1074.363	1070.517	1072.440	1072.921
10.5	1074.363	1072.921	1069.075	1070.517	1071.479
11.0	1072.440	1070.998	1067.633	1069.075	1070.037
11.5	1070.998	1069.556	1065.710	1067.633	1068.114
12.0	1069.556	1067.633	1063.788	1065.710	1066.191
12.5	1067.633	1065.710	1061.865	1063.788	1064.268
13.0	1065.710	1063.788	1059.942	1061.865	1062.345
13.5	1063.788	1061.865	1058.019	1059.942	1060.423
14.0	1061.384	1059.461	1055.616	1058.019	1058.500
14.5	1059.461	1057.058	1053.693	1055.616	1056.577
15.0	1057.058	1055.135	1051.289	1053.212	1054.174
15.5	1054.654	1052.731	1048.886	1050.809	1051.770
16.0	1052.251	1049.847	1046.002	1048.405	1049.367
16.5	1049.847	1047.444	1043.598	1045.521	1046.963
17.0	1047.444	1045.040	1040.714	1042.637	1044.079
17.5	1045.040	1042.156	1038.310	1039.753	1041.195
18.0	1042.637	1039.753	1035.426	1036.868	1037.830
18.5	1039.753	1036.868	1032.542	1033.984	1034.946
19.0	1037.349	1033.984	1029.658	1030.619	1031.100
19.5	1034.465	1031.100	1026.293	1027.254	1027.735
20.0	1031.581	1028.216	1023.409	1023.890	1023.890
20.5	1028.216	1025.332	1020.044	1020.525	1020.044
21.0	1025.332	1021.967	1016.679	1016.679	1016.198
21.5	1022.447	1018.602	1013.314	1012.833	1012.353
22.0	1019.083	1015.237	1009.949	1009.469	1008.507
22.5	1015.718	1011.872	1006.104	1005.142	1004.662
23.0	1012.353	1008.507	1002.739	1001.297	1000.816
23.5	1008.988	1004.662	998.893	997.451	996.490
24.0	1005.142	1000.816	995.048	993.125	992.163
24.5	1001.297	996.970	991.202	988.798	987.837
25.0	997.451	992.644	986.876	984.953	983.991
25.5	993.605	988.798	983.030	980.627	979.665
26.0	989.760	984.472	978.704	976.300	975.339
26.5	985.434	980.146	974.377	971.974	971.013

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CANDELA TABULATION - (Cont.)

27.0	981.107	975.820	970.051	967.648	966.206
27.5	976.781	971.013	965.725	962.841	961.399
28.0	971.974	966.686	961.399	958.034	956.592
28.5	967.648	961.879	956.592	952.746	951.304
29.0	962.841	957.072	951.785	947.939	946.016
29.5	958.034	952.746	946.978	942.171	940.729
30.0	953.227	947.939	942.171	936.883	934.479
30.5	948.420	942.651	936.883	931.115	928.230
31.0	943.613	937.844	931.595	925.346	921.981
31.5	938.806	932.557	926.308	919.097	915.732
32.0	933.518	927.750	921.020	912.848	909.002
32.5	928.230	922.462	915.251	906.599	902.273
33.0	923.423	917.174	909.483	900.350	895.543
33.5	917.655	911.887	903.715	893.620	888.332
34.0	912.367	906.599	897.466	886.890	881.122
34.5	907.080	901.311	891.697	879.680	873.911
35.0	901.792	895.543	885.448	872.950	866.220
35.5	896.504	889.774	879.199	865.739	859.010
36.0	890.736	884.006	872.950	858.529	851.318
36.5	884.967	878.238	866.220	851.318	843.147
37.0	879.199	871.989	859.971	843.627	835.455
37.5	873.431	866.220	853.241	835.936	827.283
38.0	867.182	859.971	846.511	828.245	819.112
38.5	860.932	853.722	839.301	820.554	810.940
39.0	854.683	847.473	832.571	812.382	802.287
39.5	847.954	841.224	825.361	803.729	794.115
40.0	841.704	834.494	818.150	795.077	784.982
40.5	835.455	827.764	810.940	786.424	775.368
41.0	828.726	821.034	803.249	777.771	766.235
41.5	821.996	814.305	796.038	768.638	757.101
42.0	815.266	807.575	787.866	759.986	747.968
42.5	808.536	800.845	780.175	750.372	738.354
43.0	801.326	793.635	772.003	741.238	727.779
43.5	794.115	786.905	763.831	731.624	718.165
44.0	787.385	779.214	755.659	722.010	708.070
44.5	780.175	772.003	747.007	712.396	697.495
45.0	773.445	764.793	738.835	702.782	687.881
45.5	766.235	757.582	730.182	693.168	677.786
46.0	759.024	749.891	721.530	683.074	667.691
46.5	751.814	742.680	712.396	672.979	657.116
47.0	744.603	734.989	703.744	662.884	646.541
47.5	737.393	727.298	695.091	652.790	636.446
48.0	730.182	719.607	685.958	642.695	625.870
48.5	722.491	712.396	676.825	632.600	615.295
49.0	714.800	704.224	667.691	622.506	604.720
49.5	707.109	696.533	658.077	611.930	593.664
50.0	699.417	688.842	648.463	601.355	583.088
50.5	692.207	680.670	639.330	591.260	572.513
51.0	684.035	672.979	629.235	580.685	561.937
51.5	676.344	664.807	619.621	570.590	551.362
52.0	668.653	656.635	610.007	559.534	540.787
52.5	660.481	648.463	600.393	548.959	529.731
53.0	652.309	640.291	590.299	537.903	519.155
53.5	644.618	631.639	579.723	526.846	508.099
54.0	636.927	623.467	570.109	516.271	496.562
54.5	628.755	614.814	560.015	505.215	485.506

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CANDELA TABULATION - (Cont.)

55.0	620.583	606.162	549.439	494.640	475.075
55.5	612.411	597.509	538.864	483.583	464.019
56.0	604.239	588.857	528.289	472.912	452.915
56.5	596.067	579.723	517.713	462.000	441.715
57.0	588.376	571.071	507.138	450.800	430.995
57.5	580.204	562.418	496.562	439.840	420.420
58.0	572.032	553.285	485.506	429.120	409.748
58.5	563.860	544.152	474.546	418.305	399.173
59.0	556.169	535.018	463.442	407.681	388.886
59.5	547.997	525.885	452.675	397.010	379.993
60.0	539.825	516.271	441.907	387.684	369.850
60.5	531.653	507.138	431.235	377.830	361.053
61.0	523.962	498.004	420.564	368.071	350.959
61.5	515.310	488.390	410.085	359.659	341.248
62.0	507.138	479.161	399.846	349.613	331.250
62.5	498.966	469.739	390.039	339.806	321.588
63.0	490.794	459.981	380.618	330.096	312.118
63.5	482.141	450.367	371.100	320.530	302.937
64.0	473.585	440.465	362.159	311.061	294.188
64.5	464.884	430.803	351.776	301.639	285.583
65.0	456.039	420.756	341.393	292.554	276.883
65.5	446.954	410.421	331.010	283.228	268.374
66.0	438.157	399.894	320.434	274.095	259.770
66.5	429.120	389.991	309.907	264.913	251.117
67.0	420.179	380.185	299.572	255.876	242.465
67.5	411.046	370.956	289.237	246.839	233.908
68.0	401.528	360.909	278.854	237.994	225.448
68.5	391.818	350.238	268.519	228.861	216.940
69.0	383.213	339.085	258.328	219.776	208.720
69.5	375.763	327.693	247.897	210.979	200.404
70.0	366.870	316.396	237.610	202.471	192.376
70.5	356.919	304.956	227.563	194.154	184.300
71.0	346.969	293.563	217.805	185.934	176.753
71.5	336.682	282.074	208.287	178.099	169.302
72.0	326.779	270.778	198.673	170.312	161.851
72.5	316.877	259.481	189.299	162.669	154.304
73.0	306.878	248.281	180.406	155.218	146.902
73.5	296.832	237.225	171.754	147.671	139.643
74.0	286.785	226.361	163.294	140.220	132.577
74.5	276.787	215.305	155.026	132.961	125.655
75.0	266.692	204.586	146.902	125.655	119.069
75.5	256.357	193.914	139.211	118.781	112.868
76.0	246.214	183.387	131.664	112.099	106.859
76.5	236.023	173.052	124.165	105.754	100.851
77.0	225.977	162.813	116.906	99.697	95.227
77.5	215.690	152.959	109.744	93.881	89.698
78.0	205.162	143.393	102.677	88.208	84.411
78.5	194.875	133.923	95.803	82.632	79.460
79.0	184.300	124.838	89.218	77.393	74.508
79.5	173.773	116.041	82.873	72.249	69.749
80.0	162.909	107.484	76.816	67.346	65.183
80.5	152.189	99.312	71.047	62.731	60.905
81.0	141.374	91.381	65.567	58.261	57.107
81.5	130.318	83.642	60.232	54.079	53.598
82.0	119.310	76.239	54.992	50.329	50.041
82.5	108.253	69.125	50.137	46.676	46.147

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CANDELA TABULATION - (Cont.)

83.0	97.534	62.299	45.378	42.830	42.061
83.5	86.574	55.280	41.196	38.648	38.312
84.0	76.287	48.791	37.254	34.899	35.331
84.5	66.625	42.782	33.312	31.967	32.880
85.0	58.117	37.110	29.275	29.515	30.765
85.5	50.137	31.726	25.669	27.304	28.457
86.0	42.446	26.823	22.641	24.756	25.717
86.5	34.995	22.353	20.093	21.824	22.353
87.0	28.073	18.267	17.497	18.363	18.603
87.5	21.728	14.613	14.469	14.709	14.757
88.0	15.863	11.296	11.200	11.248	11.441
88.5	10.768	8.364	8.124	8.316	8.508
89.0	6.538	5.576	5.240	5.576	5.865
89.5	2.788	2.980	2.788	3.173	3.269
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-840-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
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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-L30-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	400.74	N.A.	13.20
0-30	856.57	N.A.	28.20
0-40	1409.42	N.A.	46.40
0-60	2465.65	N.A.	81.20
0-80	2995.97	N.A.	98.60
0-90	3038.26	N.A.	100.00
10-90	2935.08	N.A.	96.60
20-40	1008.67	N.A.	33.20
20-50	1574.36	N.A.	51.80
40-70	1407.24	N.A.	46.30
60-80	530.32	N.A.	17.50
70-80	179.32	N.A.	5.90
80-90	42.29	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	3038.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.18
10-20	297.56
20-30	455.83
30-40	552.85
40-50	565.69
50-60	490.55
60-70	351.00
70-80	179.32
80-90	42.29
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-L30-840-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	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	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-L30-840-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	16.6	18.3	17.0	18.6	18.9	UGR Viewed Endwise			
	3H	18.6	20.1	19.0	20.4	20.8	14.8	16.4	15.2	16.7
	4H	19.4	20.7	19.8	21.1	21.5	16.1	17.6	16.5	17.9
	6H	19.9	21.2	20.3	21.6	22.0	16.5	17.9	16.9	18.2
	8H	20.1	21.3	20.5	21.7	22.1	16.7	18.0	17.2	18.4
	12H	20.2	21.4	20.6	21.7	22.2	16.8	18.0	17.3	18.4

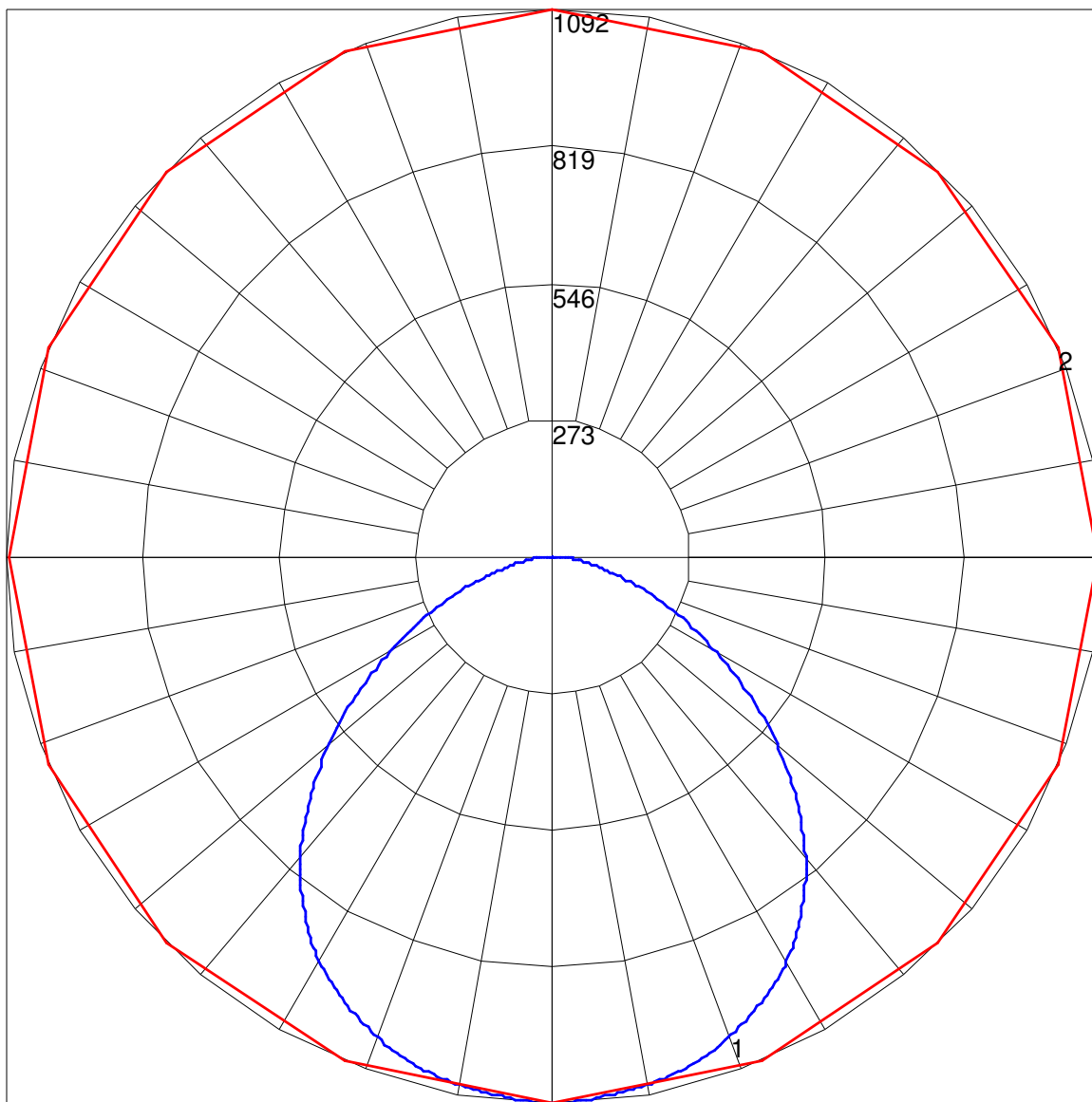
4H	2H	17.0	18.4	17.4	18.7	19.1	14.8	16.4	15.2	16.7
	3H	19.2	20.3	19.6	20.7	21.1	16.1	17.6	16.5	17.9
	4H	20.0	21.1	20.5	21.5	21.9	16.5	17.9	16.9	18.2
	6H	20.7	21.6	21.2	22.1	22.5	16.7	18.0	17.2	18.4
	8H	20.9	21.8	21.4	22.2	22.7	16.8	18.0	17.3	18.4
	12H	21.1	21.8	21.6	22.3	22.8	16.9	18.0	17.3	18.4

8H	4H	20.1	21.0	20.6	21.4	21.9	16.8	18.0	17.3	18.4
	6H	20.9	21.6	21.4	22.1	22.5	16.7	18.0	17.2	18.4
	8H	21.1	21.8	21.6	22.3	22.8	16.8	18.0	17.3	18.4
	12H	21.3	21.9	21.8	22.4	22.9	16.9	18.0	17.3	18.4

12H	4H	20.1	20.9	20.6	21.4	21.8	16.8	18.0	17.3	18.4
	6H	20.9	21.5	21.4	22.0	22.5	16.7	18.0	17.2	18.4
	8H	21.1	21.7	21.7	22.2	22.8	16.8	18.0	17.3	18.4

Maximum UGR = 22.9

POLAR GRAPH



Maximum Candela = 1092.149 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.)