



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L30-830-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-L30-830-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	2920
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	3148	3007	2799
55	3113	2757	2383
65	3105	2325	1885
75	2965	1633	1324
85	1919	967	1016

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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	1047.887	1047.887	1047.887	1047.887	1047.887
0.5	1046.039	1048.349	1046.963	1048.811	1049.735
1.0	1046.039	1047.887	1046.501	1048.349	1049.273
1.5	1045.577	1047.887	1046.039	1047.887	1048.811
2.0	1045.577	1047.425	1045.577	1047.425	1048.349
2.5	1045.115	1046.963	1045.115	1046.963	1047.425
3.0	1045.115	1046.501	1044.191	1046.039	1046.501
3.5	1044.653	1046.039	1043.729	1045.115	1046.039
4.0	1044.191	1045.577	1042.805	1044.653	1045.115
4.5	1043.729	1045.115	1041.881	1043.729	1044.191
5.0	1043.267	1044.191	1040.957	1042.805	1042.805
5.5	1042.805	1043.267	1040.032	1041.881	1041.881
6.0	1042.343	1042.343	1039.108	1040.494	1040.957
6.5	1041.419	1041.419	1038.184	1039.570	1040.032
7.0	1040.494	1040.494	1036.798	1038.646	1038.646
7.5	1039.570	1039.108	1035.874	1037.260	1037.722
8.0	1038.646	1038.184	1034.488	1036.336	1036.336
8.5	1037.722	1036.798	1033.102	1034.950	1035.412
9.0	1036.336	1035.412	1032.178	1033.564	1034.026
9.5	1035.412	1034.026	1030.792	1032.178	1032.640
10.0	1034.026	1032.640	1028.944	1030.792	1031.254
10.5	1032.640	1031.254	1027.558	1028.944	1029.868
11.0	1030.792	1029.406	1026.172	1027.558	1028.482
11.5	1029.406	1028.020	1024.323	1026.172	1026.634
12.0	1028.020	1026.172	1022.475	1024.323	1024.785
12.5	1026.172	1024.323	1020.627	1022.475	1022.937
13.0	1024.323	1022.475	1018.779	1020.627	1021.089
13.5	1022.475	1020.627	1016.931	1018.779	1019.241
14.0	1020.165	1018.317	1014.621	1016.931	1017.393
14.5	1018.317	1016.007	1012.773	1014.621	1015.545
15.0	1016.007	1014.159	1010.462	1012.311	1013.235
15.5	1013.697	1011.849	1008.152	1010.000	1010.924
16.0	1011.387	1009.076	1005.380	1007.690	1008.614
16.5	1009.076	1006.766	1003.070	1004.918	1006.304
17.0	1006.766	1004.456	1000.298	1002.146	1003.532
17.5	1004.456	1001.684	997.988	999.374	1000.760
18.0	1002.146	999.374	995.215	996.602	997.526
18.5	999.374	996.602	992.443	993.829	994.753
19.0	997.064	993.829	989.671	990.595	991.057
19.5	994.291	991.057	986.437	987.361	987.823
20.0	991.519	988.285	983.665	984.127	984.127
20.5	988.285	985.513	980.430	980.892	980.430
21.0	985.513	982.279	977.196	977.196	976.734
21.5	982.741	979.044	973.962	973.500	973.038
22.0	979.506	975.810	970.728	970.266	969.342
22.5	976.272	972.576	967.032	966.107	965.645
23.0	973.038	969.342	963.797	962.411	961.949
23.5	969.804	965.645	960.101	958.715	957.791
24.0	966.107	961.949	956.405	954.557	953.633
24.5	962.411	958.253	952.709	950.398	949.474
25.0	958.715	954.095	948.550	946.702	945.778
25.5	955.019	950.398	944.854	942.544	941.620
26.0	951.322	946.240	940.696	938.386	937.462
26.5	947.164	942.082	936.537	934.227	933.303

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CANDELA TABULATION - (Cont.)

27.0	943.006	937.924	932.379	930.069	928.683
27.5	938.848	933.303	928.221	925.449	924.063
28.0	934.227	929.145	924.063	920.828	919.442
28.5	930.069	924.525	919.442	915.746	914.360
29.0	925.449	919.904	914.822	911.126	909.278
29.5	920.828	915.746	910.202	905.581	904.195
30.0	916.208	911.126	905.581	900.499	898.189
30.5	911.588	906.043	900.499	894.955	892.182
31.0	906.967	901.423	895.417	889.410	886.176
31.5	902.347	896.341	890.334	883.404	880.170
32.0	897.265	891.720	885.252	877.397	873.701
32.5	892.182	886.638	879.708	871.391	867.233
33.0	887.562	881.556	874.163	865.385	860.764
33.5	882.018	876.473	868.619	858.916	853.834
34.0	876.935	871.391	862.612	852.448	846.903
34.5	871.853	866.309	857.068	845.517	839.973
35.0	866.771	860.764	851.062	839.049	832.580
35.5	861.688	855.220	845.055	832.118	825.650
36.0	856.144	849.676	839.049	825.188	818.257
36.5	850.600	844.131	832.580	818.257	810.403
37.0	845.055	838.125	826.574	810.865	803.010
37.5	839.511	832.580	820.106	803.472	795.156
38.0	833.504	826.574	813.637	796.080	787.301
38.5	827.498	820.568	806.707	788.687	779.447
39.0	821.492	814.561	800.238	780.833	771.130
39.5	815.023	808.555	793.308	772.516	763.276
40.0	809.017	802.086	786.377	764.200	754.497
40.5	803.010	795.618	779.447	755.883	745.256
41.0	796.542	789.149	772.054	747.567	736.478
41.5	790.074	782.681	765.124	738.788	727.699
42.0	783.605	776.213	757.269	730.471	718.921
42.5	777.137	769.744	749.877	721.231	709.680
43.0	770.206	762.814	742.022	712.452	699.515
43.5	763.276	756.345	734.168	703.212	690.275
44.0	756.807	748.953	726.313	693.971	680.572
44.5	749.877	742.022	717.997	684.730	670.407
45.0	743.408	735.092	710.142	675.490	661.167
45.5	736.478	728.161	701.826	666.249	651.464
46.0	729.547	720.769	693.509	656.546	641.761
46.5	722.617	713.838	684.730	646.844	631.597
47.0	715.686	706.446	676.414	637.141	621.432
47.5	708.756	699.053	668.097	627.439	611.729
48.0	701.826	691.661	659.319	617.736	601.565
48.5	694.433	684.730	650.540	608.033	591.400
49.0	687.041	676.876	641.761	598.331	581.235
49.5	679.648	669.483	632.521	588.166	570.609
50.0	672.256	662.091	623.280	578.001	560.444
50.5	665.325	654.236	614.502	568.299	550.279
51.0	657.471	646.844	604.799	558.134	540.115
51.5	650.078	638.989	595.558	548.431	529.950
52.0	642.686	631.135	586.318	537.804	519.785
52.5	634.831	623.280	577.077	527.640	509.158
53.0	626.976	615.426	567.374	517.013	498.994
53.5	619.584	607.109	557.210	506.386	488.367
54.0	612.191	599.255	547.969	496.222	477.278
54.5	604.337	590.938	538.266	485.595	466.652

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CANDELA TABULATION - (Cont.)

55.0	596.482	582.621	528.102	475.430	456.626
55.5	588.628	574.305	517.937	464.803	445.999
56.0	580.773	565.988	507.772	454.546	435.326
56.5	572.919	557.210	497.608	444.058	424.561
57.0	565.526	548.893	487.443	433.293	414.257
57.5	557.672	540.577	477.278	422.759	404.093
58.0	549.817	531.798	466.652	412.455	393.835
58.5	541.963	523.019	456.117	402.060	383.671
59.0	534.570	514.241	445.444	391.849	373.783
59.5	526.716	505.462	435.095	381.592	365.236
60.0	518.861	496.222	424.745	372.628	355.487
60.5	511.007	487.443	414.488	363.157	347.032
61.0	503.614	478.664	404.231	353.777	337.329
61.5	495.298	469.424	394.159	345.692	327.996
62.0	487.443	460.553	384.318	336.035	318.386
62.5	479.588	451.497	374.892	326.610	309.099
63.0	471.734	442.118	365.836	317.277	299.997
63.5	463.417	432.877	356.688	308.082	291.172
64.0	455.193	423.359	348.094	298.980	282.763
64.5	446.830	414.072	338.115	289.925	274.493
65.0	438.329	404.416	328.135	281.192	266.130
65.5	429.597	394.482	318.155	272.229	257.952
66.0	421.142	384.364	307.990	263.450	249.682
66.5	412.455	374.846	297.872	254.625	241.365
67.0	403.862	365.421	287.938	245.939	233.049
67.5	395.083	356.550	278.004	237.253	224.824
68.0	385.935	346.893	268.024	228.752	216.693
68.5	376.602	336.636	258.091	219.973	208.515
69.0	368.331	325.917	248.296	211.241	200.614
69.5	361.170	314.967	238.270	202.786	192.621
70.0	352.622	304.109	228.382	194.608	184.905
70.5	343.058	293.113	218.726	186.614	177.143
71.0	333.494	282.163	209.346	178.714	169.889
71.5	323.607	271.120	200.198	171.183	162.727
72.0	314.089	260.262	190.958	163.698	155.566
72.5	304.571	249.404	181.948	156.351	148.312
73.0	294.961	238.639	173.400	149.190	141.197
73.5	285.304	228.012	165.084	141.936	134.220
74.0	275.648	217.571	156.952	134.775	127.428
74.5	266.038	206.944	149.005	127.798	120.775
75.0	256.335	196.641	141.197	120.775	114.445
75.5	246.401	186.383	133.804	114.168	108.485
76.0	236.652	176.265	126.550	107.746	102.710
76.5	226.857	166.331	119.343	101.647	96.934
77.0	217.201	156.490	112.366	95.825	91.528
77.5	207.313	147.018	105.482	90.235	86.215
78.0	197.195	137.824	98.690	84.783	81.133
78.5	187.307	128.722	92.083	79.423	76.374
79.0	177.143	119.990	85.753	74.387	71.615
79.5	167.024	111.534	79.654	69.443	67.041
80.0	156.582	103.310	73.833	64.731	62.651
80.5	146.279	95.456	68.288	60.295	58.539
81.0	135.883	87.832	63.021	55.998	54.889
81.5	125.257	80.393	57.893	51.979	51.516
82.0	114.676	73.278	52.856	48.375	48.097
82.5	104.049	66.440	48.190	44.863	44.355

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CANDELA TABULATION - (Cont.)

83.0	93.746	59.879	43.616	41.167	40.428
83.5	83.212	53.134	39.596	37.147	36.824
84.0	73.324	46.896	35.807	33.543	33.959
84.5	64.038	41.121	32.019	30.725	31.603
85.0	55.860	35.669	28.138	28.369	29.570
85.5	48.190	30.494	24.672	26.243	27.352
86.0	40.797	25.781	21.762	23.795	24.719
86.5	33.636	21.484	19.313	20.976	21.484
87.0	26.983	17.557	16.818	17.650	17.881
87.5	20.884	14.046	13.907	14.138	14.184
88.0	15.247	10.858	10.765	10.812	10.996
88.5	10.350	8.039	7.808	7.993	8.178
89.0	6.284	5.360	5.036	5.360	5.637
89.5	2.680	2.865	2.680	3.049	3.142
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-L30-830-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-L30-830-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-L30-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	385.18	N.A.	13.20
0-30	823.30	N.A.	28.20
0-40	1354.68	N.A.	46.40
0-60	2369.9	N.A.	81.20
0-80	2879.62	N.A.	98.60
0-90	2920.27	N.A.	100.00
10-90	2821.1	N.A.	96.60
20-40	969.50	N.A.	33.20
20-50	1513.22	N.A.	51.80
40-70	1352.59	N.A.	46.30
60-80	509.73	N.A.	17.50
70-80	172.36	N.A.	5.90
80-90	40.64	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	2920.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.17
10-20	286.00
20-30	438.13
30-40	531.38
40-50	543.72
50-60	471.50
60-70	337.37
70-80	172.36
80-90	40.64
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-L30-830-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-L30-830-DIM-UNV_.IES

UGR TABLE - CORRECTED

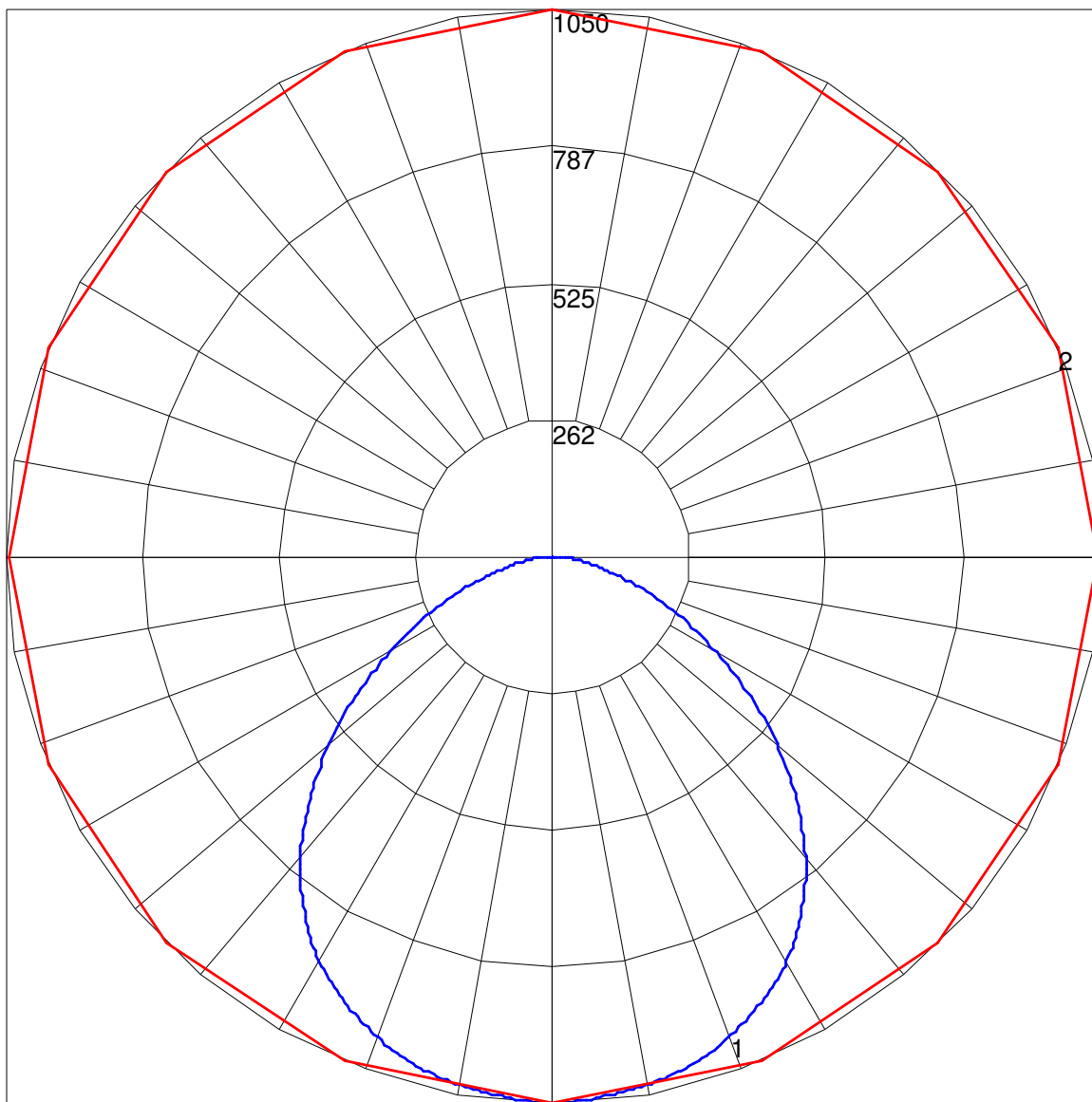
Reflectances

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	22.6	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 = 1049.735 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.)