



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-950-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-L30-950-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	2655
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
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	2861	2733	2545
55	2830	2506	2167
65	2823	2113	1714
75	2696	1485	1204
85	1744	879	923

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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	952.625	952.625	952.625	952.625	952.625
0.5	950.945	953.045	951.785	953.465	954.305
1.0	950.945	952.625	951.365	953.045	953.885
1.5	950.525	952.625	950.945	952.625	953.465
2.0	950.525	952.205	950.525	952.205	953.045
2.5	950.104	951.785	950.104	951.785	952.205
3.0	950.104	951.365	949.264	950.945	951.365
3.5	949.684	950.945	948.844	950.104	950.945
4.0	949.264	950.525	948.004	949.684	950.104
4.5	948.844	950.104	947.164	948.844	949.264
5.0	948.424	949.264	946.324	948.004	948.004
5.5	948.004	948.424	945.484	947.164	947.164
6.0	947.584	947.584	944.644	945.904	946.324
6.5	946.744	946.744	943.804	945.064	945.484
7.0	945.904	945.904	942.544	944.224	944.224
7.5	945.064	944.644	941.704	942.964	943.384
8.0	944.224	943.804	940.444	942.124	942.124
8.5	943.384	942.544	939.184	940.864	941.284
9.0	942.124	941.284	938.344	939.604	940.024
9.5	941.284	940.024	937.084	938.344	938.764
10.0	940.024	938.764	935.403	937.084	937.504
10.5	938.764	937.504	934.143	935.403	936.244
11.0	937.084	935.824	932.883	934.143	934.983
11.5	935.824	934.563	931.203	932.883	933.303
12.0	934.563	932.883	929.523	931.203	931.623
12.5	932.883	931.203	927.843	929.523	929.943
13.0	931.203	929.523	926.163	927.843	928.263
13.5	929.523	927.843	924.483	926.163	926.583
14.0	927.423	925.743	922.383	924.483	924.903
14.5	925.743	923.643	920.702	922.383	923.223
15.0	923.643	921.963	918.602	920.282	921.123
15.5	921.543	919.862	916.502	918.182	919.022
16.0	919.442	917.342	913.982	916.082	916.922
16.5	917.342	915.242	911.882	913.562	914.822
17.0	915.242	913.142	909.362	911.042	912.302
17.5	913.142	910.622	907.262	908.522	909.782
18.0	911.042	908.522	904.741	906.001	906.842
18.5	908.522	906.001	902.221	903.481	904.321
19.0	906.422	903.481	899.701	900.541	900.961
19.5	903.901	900.961	896.761	897.601	898.021
20.0	901.381	898.441	894.241	894.661	894.661
20.5	898.441	895.921	891.300	891.721	891.300
21.0	895.921	892.981	888.360	888.360	887.940
21.5	893.401	890.040	885.420	885.000	884.580
22.0	890.460	887.100	882.480	882.060	881.220
22.5	887.520	884.160	879.120	878.280	877.860
23.0	884.580	881.220	876.179	874.919	874.499
23.5	881.640	877.860	872.819	871.559	870.719
24.0	878.280	874.499	869.459	867.779	866.939
24.5	874.919	871.139	866.099	863.999	863.159
25.0	871.559	867.359	862.319	860.638	859.798
25.5	868.199	863.999	858.958	856.858	856.018
26.0	864.839	860.218	855.178	853.078	852.238
26.5	861.058	856.438	851.398	849.298	848.458

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CANDELA TABULATION - (Cont.)

27.0	857.278	852.658	847.618	845.517	844.257
27.5	853.498	848.458	843.837	841.317	840.057
28.0	849.298	844.677	840.057	837.117	835.857
28.5	845.517	840.477	835.857	832.497	831.236
29.0	841.317	836.277	831.656	828.296	826.616
29.5	837.117	832.497	827.456	823.256	821.996
30.0	832.917	828.296	823.256	818.636	816.535
30.5	828.716	823.676	818.636	813.595	811.075
31.0	824.516	819.476	814.015	808.555	805.615
31.5	820.316	814.855	809.395	803.095	800.154
32.0	815.695	810.655	804.775	797.634	794.274
32.5	811.075	806.035	799.734	792.174	788.394
33.0	806.875	801.414	794.694	786.713	782.513
33.5	801.834	796.794	789.654	780.833	776.213
34.0	797.214	792.174	784.193	774.953	769.912
34.5	792.594	787.553	779.153	768.652	763.612
35.0	787.973	782.513	773.693	762.772	756.891
35.5	783.353	777.473	768.232	756.471	750.591
36.0	778.313	772.432	762.772	750.171	743.870
36.5	773.272	767.392	756.891	743.870	736.730
37.0	768.232	761.932	751.431	737.150	730.010
37.5	763.192	756.891	745.551	730.430	722.869
38.0	757.731	751.431	739.670	723.709	715.729
38.5	752.271	745.971	733.370	716.989	708.588
39.0	746.811	740.510	727.489	709.848	701.028
39.5	740.930	735.050	721.189	702.288	693.887
40.0	735.470	729.169	714.889	694.727	685.907
40.5	730.010	723.289	708.588	687.167	677.506
41.0	724.129	717.409	701.868	679.606	669.525
41.5	718.249	711.528	695.567	671.626	661.545
42.0	712.368	705.648	688.427	664.065	653.564
42.5	706.488	699.767	681.706	655.665	645.164
43.0	700.188	693.467	674.566	647.684	635.923
43.5	693.887	687.587	667.425	639.283	627.523
44.0	688.007	680.866	660.285	630.883	618.702
44.5	681.706	674.566	652.724	622.482	609.461
45.0	675.826	668.265	645.584	614.082	601.061
45.5	669.525	661.965	638.023	605.681	592.240
46.0	663.225	655.244	630.463	596.861	583.420
46.5	656.925	648.944	622.482	588.040	574.179
47.0	650.624	642.224	614.922	579.219	564.938
47.5	644.324	635.503	607.361	570.399	556.118
48.0	638.023	628.783	599.381	561.578	546.877
48.5	631.303	622.482	591.400	552.758	537.636
49.0	624.582	615.342	583.420	543.937	528.396
49.5	617.862	608.621	575.019	534.696	518.735
50.0	611.141	601.901	566.618	525.456	509.495
50.5	604.841	594.760	558.638	516.635	500.254
51.0	597.701	588.040	549.817	507.394	491.013
51.5	590.980	580.899	541.417	498.574	481.773
52.0	584.260	573.759	533.016	488.913	472.532
52.5	577.119	566.618	524.616	479.673	462.871
53.0	569.979	559.478	515.795	470.012	453.631
53.5	563.258	551.917	506.554	460.351	443.970
54.0	556.538	544.777	498.154	451.111	433.889
54.5	549.397	537.216	489.333	441.450	424.229

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CANDELA TABULATION - (Cont.)

55.0	542.257	529.656	480.093	432.209	415.114
55.5	535.116	522.095	470.852	422.549	405.454
56.0	527.976	514.535	461.611	413.224	395.751
56.5	520.835	506.554	452.371	403.689	385.964
57.0	514.115	498.994	443.130	393.903	376.598
57.5	506.974	491.433	433.889	384.326	367.357
58.0	499.834	483.453	424.229	374.959	358.032
58.5	492.693	475.472	414.652	365.509	348.792
59.0	485.973	467.492	404.949	356.226	339.803
59.5	478.832	459.511	395.541	346.902	332.033
60.0	471.692	451.111	386.132	338.753	323.170
60.5	464.552	443.130	376.808	330.142	315.483
61.0	457.831	435.150	367.483	321.616	306.663
61.5	450.271	426.749	358.326	314.265	298.178
62.0	443.130	418.684	349.380	305.487	289.442
62.5	435.990	410.452	340.811	296.918	280.999
63.0	428.849	401.925	332.579	288.434	272.725
63.5	421.289	393.525	324.262	280.075	264.702
64.0	413.812	384.872	316.449	271.800	257.057
64.5	406.210	376.430	307.377	263.568	249.539
65.0	398.481	367.651	298.304	255.629	241.936
65.5	390.543	358.620	289.232	247.481	234.502
66.0	382.856	349.422	279.991	239.500	226.983
66.5	374.959	340.769	270.792	231.478	219.423
67.0	367.147	332.201	261.762	223.581	211.862
67.5	359.166	324.136	252.731	215.685	204.386
68.0	350.850	315.357	243.659	207.956	196.993
68.5	342.365	306.033	234.628	199.976	189.559
69.0	334.847	296.288	225.723	192.037	182.376
69.5	328.336	286.333	216.609	184.351	175.110
70.0	320.566	276.463	207.620	176.916	168.095
70.5	311.871	266.466	198.841	169.650	161.039
71.0	303.177	256.511	190.315	162.467	154.444
71.5	294.188	246.473	181.998	155.621	147.934
72.0	285.535	236.602	173.598	148.816	141.424
72.5	276.883	226.731	165.407	142.138	134.829
73.0	268.146	216.945	157.637	135.627	128.361
73.5	259.368	207.284	150.076	129.033	122.018
74.0	250.589	197.791	142.684	122.522	115.844
74.5	241.852	188.131	135.459	116.180	109.795
75.0	233.032	178.764	128.361	109.795	104.041
75.5	224.001	169.440	121.640	103.789	98.623
76.0	215.139	160.241	115.046	97.951	93.372
76.5	206.234	151.210	108.493	92.406	88.122
77.0	197.455	142.264	102.151	87.114	83.208
77.5	188.467	133.653	95.893	82.032	78.377
78.0	179.268	125.295	89.718	77.075	73.757
78.5	170.280	117.020	83.712	72.203	69.431
79.0	161.039	109.081	77.957	67.625	65.104
79.5	151.840	101.395	72.413	63.130	60.946
80.0	142.348	93.918	67.121	58.846	56.956
80.5	132.981	86.778	62.080	54.814	53.218
81.0	123.530	79.847	57.292	50.907	49.899
81.5	113.870	73.085	52.630	47.253	46.833
82.0	104.251	66.617	48.051	43.977	43.725
82.5	94.590	60.400	43.809	40.785	40.323

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CANDELA TABULATION - (Cont.)

83.0	85.224	54.436	39.651	37.425	36.752
83.5	75.647	48.303	35.996	33.770	33.476
84.0	66.659	42.633	32.552	30.494	30.872
84.5	58.216	37.383	29.108	27.932	28.730
85.0	50.781	32.426	25.580	25.790	26.882
85.5	43.809	27.722	22.430	23.858	24.866
86.0	37.089	23.438	19.783	21.631	22.472
86.5	30.578	19.531	17.557	19.069	19.531
87.0	24.530	15.961	15.289	16.045	16.255
87.5	18.985	12.769	12.643	12.853	12.895
88.0	13.861	9.871	9.787	9.829	9.997
88.5	9.409	7.308	7.098	7.266	7.435
89.0	5.712	4.872	4.578	4.872	5.124
89.5	2.436	2.604	2.436	2.772	2.856
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-L30-950-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-L30-950-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	350.16	N.A.	13.20
0-30	748.46	N.A.	28.20
0-40	1231.53	N.A.	46.40
0-60	2154.45	N.A.	81.20
0-80	2617.84	N.A.	98.60
0-90	2654.79	N.A.	100.00
10-90	2564.63	N.A.	96.60
20-40	881.37	N.A.	33.20
20-50	1375.66	N.A.	51.80
40-70	1229.62	N.A.	46.30
60-80	463.39	N.A.	17.50
70-80	156.69	N.A.	5.90
80-90	36.95	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	2654.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.16
10-20	260.00
20-30	398.30
30-40	483.07
40-50	494.29
50-60	428.63
60-70	306.70
70-80	156.69
80-90	36.95
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-L30-950-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-L30-950-DIM-UNV_.IES

UGR TABLE - CORRECTED

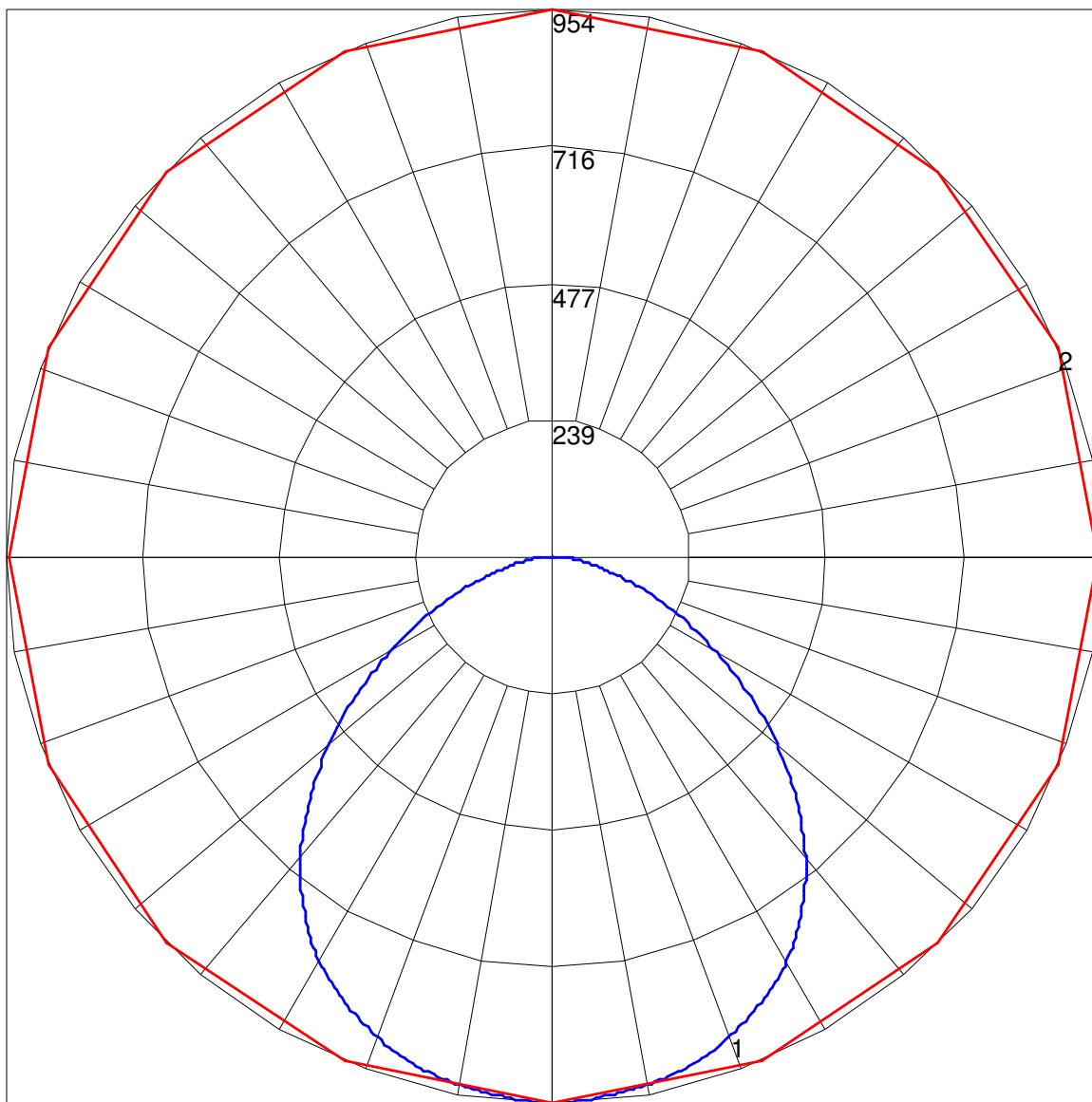
Reflectances

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	16.1	17.8	16.5	18.1	18.4	14.3	15.9	14.7	16.2	16.6
	3H	18.1	19.6	18.5	19.9	20.3	15.6	17.1	16.0	17.4	17.8
	4H	18.9	20.2	19.3	20.6	21.0	16.0	17.4	16.4	17.7	18.1
	6H	19.4	20.7	19.8	21.1	21.5	16.2	17.5	16.7	17.9	18.3
	8H	19.6	20.8	20.0	21.2	21.6	16.3	17.5	16.8	17.9	18.3
	12H	19.7	20.9	20.1	21.2	21.7	16.4	17.5	16.8	17.9	18.3
4H	2H	16.5	17.9	16.9	18.2	18.6	15.0	16.4	15.4	16.8	17.1
	3H	18.7	19.8	19.1	20.2	20.6	16.5	17.7	16.9	18.1	18.5
	4H	19.5	20.6	20.0	21.0	21.4	17.0	18.0	17.4	18.4	18.9
	6H	20.2	21.1	20.7	21.6	22.0	17.3	18.2	17.8	18.7	19.1
	8H	20.4	21.3	20.9	21.7	22.2	17.4	18.2	17.9	18.7	19.2
	12H	20.6	21.3	21.1	21.8	22.3	17.5	18.2	18.0	18.7	19.2
8H	4H	19.6	20.5	20.1	20.9	21.4	17.3	18.1	17.8	18.6	19.1
	6H	20.4	21.1	20.9	21.6	22.0	17.7	18.4	18.2	18.9	19.4
	8H	20.6	21.3	21.1	21.8	22.3	17.9	18.5	18.4	19.0	19.5
	12H	20.8	21.4	21.3	21.9	22.4	18.0	18.5	18.5	19.0	19.6
12H	4H	19.6	20.4	20.1	20.9	21.3	17.4	18.1	17.8	18.6	19.0
	6H	20.4	21.0	20.9	21.5	22.0	17.8	18.4	18.3	18.9	19.4
	8H	20.6	21.2	21.2	21.7	22.3	17.9	18.5	18.4	19.0	19.5

Maximum UGR = 22.4

POLAR GRAPH



Maximum Candela = 954.305 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.)