



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-14-L30-850-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-L30-850-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	3127
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	3370	3219	2997
55	3334	2951	2552
65	3325	2489	2019
75	3175	1749	1417
85	2055	1035	1088

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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	1121.980	1121.980	1121.980	1121.980	1121.980
0.5	1120.001	1122.475	1120.991	1122.969	1123.959
1.0	1120.001	1121.980	1120.496	1122.475	1123.464
1.5	1119.507	1121.980	1120.001	1121.980	1122.969
2.0	1119.507	1121.485	1119.507	1121.485	1122.475
2.5	1119.012	1120.991	1119.012	1120.991	1121.485
3.0	1119.012	1120.496	1118.022	1120.001	1120.496
3.5	1118.517	1120.001	1117.528	1119.012	1120.001
4.0	1118.022	1119.507	1116.538	1118.517	1119.012
4.5	1117.528	1119.012	1115.549	1117.528	1118.022
5.0	1117.033	1118.022	1114.560	1116.538	1116.538
5.5	1116.538	1117.033	1113.570	1115.549	1115.549
6.0	1116.044	1116.044	1112.581	1114.065	1114.560
6.5	1115.054	1115.054	1111.591	1113.075	1113.570
7.0	1114.065	1114.065	1110.107	1112.086	1112.086
7.5	1113.075	1112.581	1109.118	1110.602	1111.097
8.0	1112.086	1111.591	1107.634	1109.613	1109.613
8.5	1111.097	1110.107	1106.150	1108.128	1108.623
9.0	1109.613	1108.623	1105.160	1106.644	1107.139
9.5	1108.623	1107.139	1103.676	1105.160	1105.655
10.0	1107.139	1105.655	1101.697	1103.676	1104.171
10.5	1105.655	1104.171	1100.213	1101.697	1102.687
11.0	1103.676	1102.192	1098.729	1100.213	1101.203
11.5	1102.192	1100.708	1096.750	1098.729	1099.224
12.0	1100.708	1098.729	1094.772	1096.750	1097.245
12.5	1098.729	1096.750	1092.793	1094.772	1095.266
13.0	1096.750	1094.772	1090.814	1092.793	1093.287
13.5	1094.772	1092.793	1088.835	1090.814	1091.309
14.0	1092.298	1090.319	1086.362	1088.835	1089.330
14.5	1090.319	1087.846	1084.383	1086.362	1087.351
15.0	1087.846	1085.867	1081.909	1083.888	1084.878
15.5	1085.372	1083.393	1079.436	1081.415	1082.404
16.0	1082.899	1080.425	1076.468	1078.941	1079.931
16.5	1080.425	1077.952	1073.994	1075.973	1077.457
17.0	1077.952	1075.478	1071.026	1073.005	1074.489
17.5	1075.478	1072.510	1068.552	1070.037	1071.521
18.0	1073.005	1070.037	1065.584	1067.068	1068.058
18.5	1070.037	1067.068	1062.616	1064.100	1065.090
19.0	1067.563	1064.100	1059.648	1060.637	1061.132
19.5	1064.595	1061.132	1056.185	1057.174	1057.669
20.0	1061.627	1058.164	1053.217	1053.711	1053.711
20.5	1058.164	1055.196	1049.754	1050.249	1049.754
21.0	1055.196	1051.733	1046.291	1046.291	1045.796
21.5	1052.227	1048.270	1042.828	1042.333	1041.839
22.0	1048.764	1044.807	1039.365	1038.870	1037.881
22.5	1045.302	1041.344	1035.408	1034.418	1033.923
23.0	1041.839	1037.881	1031.945	1030.461	1029.966
23.5	1038.376	1033.923	1027.987	1026.503	1025.514
24.0	1034.418	1029.966	1024.029	1022.051	1021.061
24.5	1030.461	1026.008	1020.072	1017.598	1016.609
25.0	1026.503	1021.556	1015.619	1013.641	1012.651
25.5	1022.545	1017.598	1011.662	1009.188	1008.199
26.0	1018.588	1013.146	1007.210	1004.736	1003.747
26.5	1014.135	1008.694	1002.757	1000.284	999.294

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CANDELA TABULATION - (Cont.)

27.0	1009.683	1004.241	998.305	995.831	994.347
27.5	1005.231	999.294	993.853	990.884	989.400
28.0	1000.284	994.842	989.400	985.937	984.453
28.5	995.831	989.895	984.453	980.496	979.012
29.0	990.884	984.948	979.506	975.549	973.570
29.5	985.937	980.496	974.559	969.612	968.128
30.0	980.990	975.549	969.612	964.171	961.697
30.5	976.043	970.107	964.171	958.234	955.266
31.0	971.096	965.160	958.729	952.298	948.835
31.5	966.149	959.718	953.287	945.867	942.404
32.0	960.708	954.771	947.846	939.436	935.478
32.5	955.266	949.330	941.909	933.005	928.552
33.0	950.319	943.888	935.973	926.573	921.626
33.5	944.383	938.446	930.036	919.648	914.206
34.0	938.941	933.005	923.605	912.722	906.785
34.5	933.499	927.563	917.669	905.301	899.365
35.0	928.058	921.626	911.238	898.376	891.450
35.5	922.616	915.690	904.807	890.955	884.029
36.0	916.679	909.754	898.376	883.535	876.114
36.5	910.743	903.817	891.450	876.114	867.704
37.0	904.807	897.386	885.019	868.199	859.789
37.5	898.870	891.450	878.093	860.284	851.379
38.0	892.439	885.019	871.167	852.368	842.969
38.5	886.008	878.588	863.747	844.453	834.559
39.0	879.577	872.156	856.821	836.043	825.655
39.5	872.651	865.725	849.400	827.139	817.245
40.0	866.220	858.800	841.980	818.234	807.845
40.5	859.789	851.874	834.559	809.330	797.951
41.0	852.863	844.948	826.644	800.425	788.552
41.5	845.937	838.022	819.224	791.026	779.153
42.0	839.012	831.096	810.814	782.121	769.754
42.5	832.086	824.171	802.898	772.227	759.859
43.0	824.665	816.750	794.489	762.828	748.976
43.5	817.245	809.824	786.079	752.934	739.082
44.0	810.319	801.909	777.669	743.040	728.693
44.5	802.898	794.489	768.764	733.146	717.810
45.0	795.973	787.068	760.354	723.252	707.916
45.5	788.552	779.648	751.450	713.358	697.527
46.0	781.132	771.732	742.545	702.969	687.139
46.5	773.711	764.312	733.146	692.580	676.255
47.0	766.291	756.397	724.241	682.192	665.372
47.5	758.870	748.481	715.336	671.803	654.983
48.0	751.450	740.566	705.937	661.414	644.100
48.5	743.534	733.146	696.538	651.025	633.216
49.0	735.619	724.736	687.139	640.637	622.333
49.5	727.704	716.821	677.245	629.753	610.955
50.0	719.789	708.905	667.351	618.870	600.071
50.5	712.368	700.495	657.951	608.481	589.188
51.0	703.958	692.580	647.563	597.598	578.305
51.5	696.043	684.170	637.669	587.209	567.421
52.0	688.128	675.760	627.775	575.831	556.538
52.5	679.718	667.351	617.881	564.948	545.160
53.0	671.308	658.941	607.492	553.570	534.276
53.5	663.393	650.036	596.608	542.191	522.898
54.0	655.478	641.626	586.714	531.308	511.025
54.5	647.068	632.722	576.326	519.930	499.647

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55.0	638.658	623.817	565.442	509.046	488.912
55.5	630.248	614.912	554.559	497.668	477.534
56.0	621.838	606.008	543.676	486.686	466.107
56.5	613.428	596.608	532.792	475.456	454.580
57.0	605.513	587.704	521.909	463.930	443.548
57.5	597.103	578.799	511.025	452.651	432.665
58.0	588.693	569.400	499.647	441.619	421.682
58.5	580.283	560.001	488.368	430.488	410.799
59.0	572.368	550.601	476.940	419.555	400.212
59.5	563.958	541.202	465.859	408.573	391.061
60.0	555.548	531.308	454.778	398.976	380.622
60.5	547.138	521.909	443.796	388.834	371.569
61.0	539.223	512.509	432.813	378.792	361.181
61.5	530.319	502.615	422.029	370.135	351.188
62.0	521.909	493.117	411.492	359.795	340.898
62.5	513.499	483.421	401.400	349.704	330.954
63.0	505.089	473.379	391.704	339.711	321.209
63.5	496.184	463.485	381.909	329.866	311.760
64.0	487.379	453.294	372.707	320.120	302.757
64.5	478.425	443.350	362.022	310.424	293.901
65.0	469.322	433.011	351.336	301.075	284.947
65.5	459.972	422.375	340.651	291.477	276.191
66.0	450.919	411.541	329.767	282.078	267.336
66.5	441.619	401.350	318.933	272.629	258.431
67.0	432.417	391.258	308.297	263.329	249.527
67.5	423.018	381.760	297.661	254.029	240.721
68.0	413.223	371.421	286.976	244.926	232.014
68.5	403.230	360.439	276.340	235.527	223.258
69.0	394.375	348.962	265.852	226.177	214.799
69.5	386.707	337.237	255.117	217.124	206.241
70.0	377.555	325.612	244.530	208.368	197.979
70.5	367.315	313.838	234.191	199.809	189.668
71.0	357.075	302.113	224.149	191.350	181.901
71.5	346.488	290.290	214.354	183.286	174.233
72.0	336.297	278.665	204.460	175.272	166.566
72.5	326.106	267.039	194.813	167.407	158.799
73.0	315.817	255.513	185.661	159.739	151.180
73.5	305.477	244.135	176.756	151.972	143.710
74.0	295.138	232.954	168.050	144.304	136.438
74.5	284.848	221.576	159.541	136.834	129.315
75.0	274.460	210.544	151.180	129.315	122.537
75.5	263.824	199.562	143.265	122.240	116.156
76.0	253.385	188.728	135.498	115.364	109.972
76.5	242.898	178.092	127.781	108.834	103.788
77.0	232.559	167.555	120.311	102.601	98.000
77.5	221.972	157.414	112.940	96.615	92.311
78.0	211.138	147.569	105.668	90.777	86.869
78.5	200.551	137.823	98.594	85.039	81.774
79.0	189.668	128.474	91.816	79.647	76.679
79.5	178.834	119.421	85.286	74.353	71.781
80.0	167.654	110.615	79.053	69.307	67.081
80.5	156.622	102.205	73.117	64.558	62.679
81.0	145.491	94.043	67.477	59.958	58.770
81.5	134.113	86.078	61.986	55.654	55.159
82.0	122.785	78.459	56.594	51.795	51.498
82.5	111.406	71.138	51.597	48.035	47.491

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CANDELA TABULATION - (Cont.)

83.0	100.375	64.113	46.700	44.078	43.286
83.5	89.096	56.891	42.396	39.774	39.428
84.0	78.509	50.212	38.339	35.915	36.360
84.5	68.565	44.028	34.283	32.898	33.837
85.0	59.809	38.191	30.127	30.375	31.661
85.5	51.597	32.650	26.417	28.099	29.286
86.0	43.682	27.604	23.300	25.477	26.466
86.5	36.014	23.004	20.678	22.459	23.004
87.0	28.890	18.799	18.007	18.898	19.145
87.5	22.360	15.039	14.890	15.138	15.187
88.0	16.325	11.625	11.527	11.576	11.774
88.5	11.081	8.608	8.360	8.558	8.756
89.0	6.728	5.739	5.392	5.739	6.035
89.5	2.869	3.067	2.869	3.265	3.364
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-L30-850-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-L30-850-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	412.41	N.A.	13.20
0-30	881.52	N.A.	28.20
0-40	1450.47	N.A.	46.40
0-60	2537.47	N.A.	81.20
0-80	3083.23	N.A.	98.60
0-90	3126.75	N.A.	100.00
10-90	3020.57	N.A.	96.60
20-40	1038.05	N.A.	33.20
20-50	1620.22	N.A.	51.80
40-70	1448.22	N.A.	46.30
60-80	545.77	N.A.	17.50
70-80	184.54	N.A.	5.90
80-90	43.52	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	3126.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.19
10-20	306.23
20-30	469.10
30-40	568.95
40-50	582.16
50-60	504.84
60-70	361.22
70-80	184.54
80-90	43.52
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-L30-850-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-L30-850-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	16.7	18.4	17.1	18.7	19.0	14.9	16.5	15.3	16.8	17.2
	3H	18.7	20.2	19.1	20.5	20.9	16.2	17.7	16.6	18.0	18.4
	4H	19.5	20.8	19.9	21.2	21.6	16.6	18.0	17.0	18.3	18.7
	6H	20.0	21.3	20.4	21.7	22.1	16.8	18.1	17.3	18.5	18.9
	8H	20.2	21.4	20.6	21.8	22.2	16.9	18.1	17.4	18.5	18.9
	12H	20.3	21.5	20.7	21.8	22.3	17.0	18.1	17.4	18.5	18.9

UGR Viewed Endwise

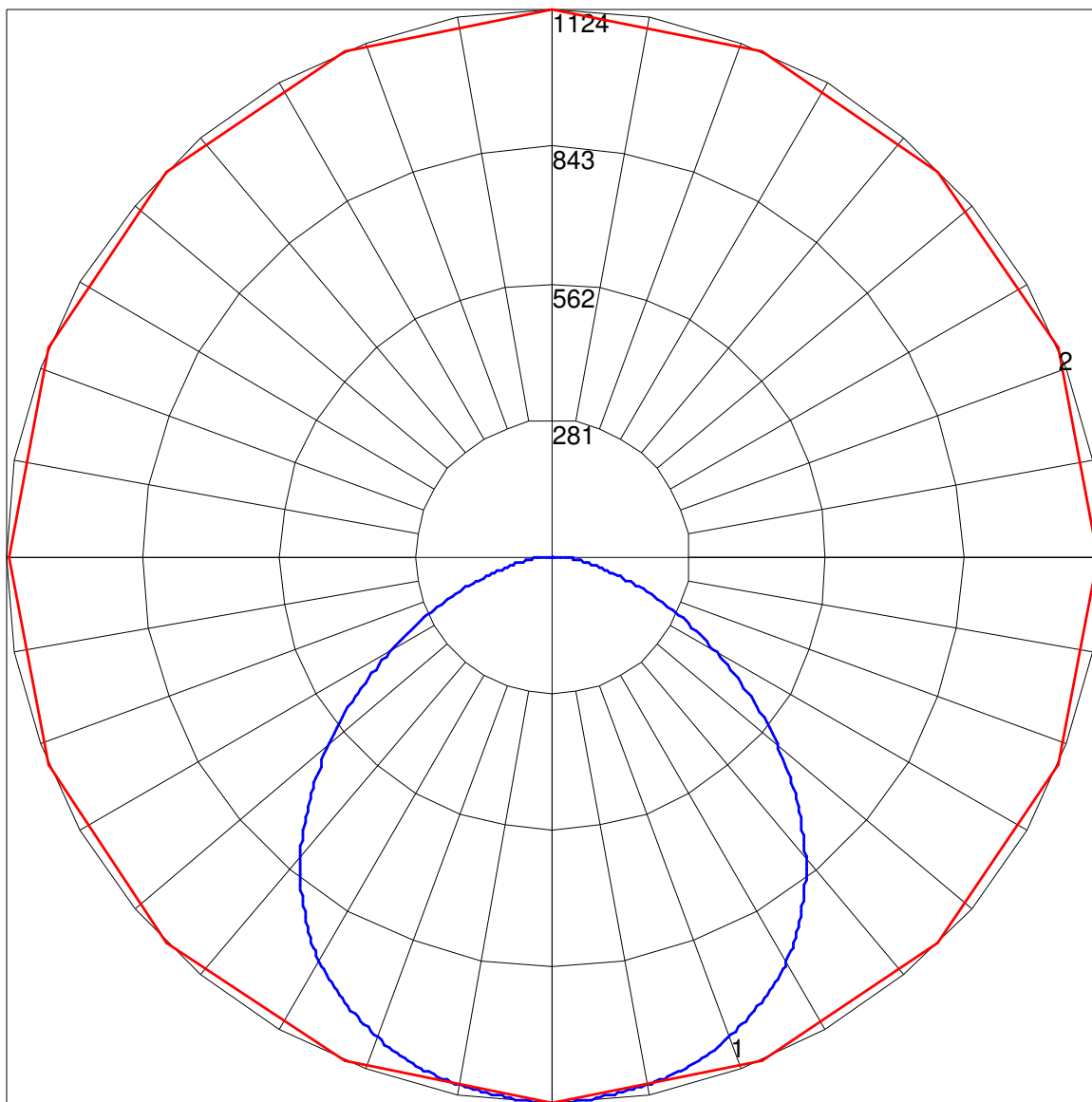
4H	2H	17.1	18.5	17.5	18.8	19.2	15.6	17.0	16.0	17.4	17.7
	3H	19.3	20.4	19.7	20.8	21.2	17.1	18.3	17.5	18.7	19.1
	4H	20.1	21.2	20.6	21.6	22.0	17.6	18.6	18.0	19.0	19.5
	6H	20.8	21.7	21.3	22.2	22.6	17.9	18.8	18.4	19.3	19.7
	8H	21.0	21.9	21.5	22.3	22.8	18.0	18.8	18.5	19.3	19.8
	12H	21.2	21.9	21.7	22.4	22.9	18.1	18.8	18.6	19.3	19.8

8H	4H	20.2	21.1	20.7	21.5	22.0	17.9	18.7	18.4	19.2	19.7
	6H	21.0	21.7	21.5	22.2	22.6	18.3	19.0	18.8	19.5	20.0
	8H	21.2	21.9	21.7	22.4	22.8	18.5	19.1	19.0	19.6	20.1
	12H	21.4	22.0	21.9	22.5	23.0	18.6	19.1	19.1	19.6	20.2

12H	4H	20.2	21.0	20.7	21.5	21.9	18.0	18.7	18.4	19.2	19.6
	6H	21.0	21.6	21.5	22.1	22.6	18.4	19.0	18.9	19.5	20.0
	8H	21.2	21.8	21.8	22.3	22.9	18.5	19.1	19.0	19.6	20.1

Maximum UGR = 23.0

POLAR GRAPH



Maximum Candela = 1123.959 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.)