



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-22-L30-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 2025-04-25
 [TESTDATE] 3/21/2025
 [MANUFAC] WILLIAMS INDOOR
 [MORE] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] BAR-22-L30-835-DIM-UNV_
 [LUMINAIRE] Recessed 2 x 2 Indirect LED luminaire
 [MORE] with centered LED rail & white painted housing
 [LAMP] 56 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	2981
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	23.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2711	2949	3131
55	2634	3004	3196
65	2501	2992	2927
75	2096	2189	1209
85	1488	1277	714

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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	968.573	968.573	968.573	968.573	968.573
0.5	967.797	970.125	968.573	967.797	967.797
1.0	967.021	970.125	968.573	967.797	967.797
1.5	967.021	969.349	968.573	967.021	967.797
2.0	967.021	969.349	967.797	967.021	967.021
2.5	967.021	969.349	967.021	966.244	966.244
3.0	966.244	968.573	966.244	965.468	966.244
3.5	965.468	967.797	965.468	965.468	965.468
4.0	964.692	967.021	965.468	964.692	964.692
4.5	963.916	966.244	963.916	963.916	963.916
5.0	963.140	964.692	963.140	963.140	963.916
5.5	962.364	963.916	962.364	962.364	963.140
6.0	960.812	963.140	961.588	961.588	962.364
6.5	960.036	961.588	960.812	961.588	961.588
7.0	959.260	960.812	960.036	960.812	961.588
7.5	957.707	959.260	958.483	960.036	960.812
8.0	956.931	958.483	957.707	959.260	960.036
8.5	955.379	956.931	956.931	958.483	959.260
9.0	953.827	955.379	955.379	957.707	959.260
9.5	952.275	953.827	954.603	956.931	958.483
10.0	951.499	953.051	953.827	956.155	957.707
10.5	949.946	951.499	952.275	955.379	957.707
11.0	948.394	949.946	951.499	954.603	956.931
11.5	946.842	948.394	949.946	953.827	956.155
12.0	945.290	946.842	949.170	953.051	955.379
12.5	943.738	945.290	947.618	952.275	955.379
13.0	941.409	943.738	946.842	951.499	954.603
13.5	939.857	942.185	945.290	950.722	953.827
14.0	937.529	939.857	943.738	949.946	953.051
14.5	935.977	938.305	942.185	948.394	952.275
15.0	933.648	935.977	940.633	947.618	951.499
15.5	931.320	933.648	939.081	946.066	949.946
16.0	928.992	931.320	937.529	944.514	949.170
16.5	926.663	928.992	935.200	943.738	947.618
17.0	923.559	926.663	933.648	941.409	946.842
17.5	921.231	924.335	931.320	939.857	944.514
18.0	918.126	921.231	928.992	938.305	942.961
18.5	915.022	918.126	926.663	935.977	941.409
19.0	911.917	915.798	924.335	934.424	939.857
19.5	909.589	912.694	922.007	932.096	937.529
20.0	905.709	909.589	919.678	930.544	935.977
20.5	902.604	906.485	916.574	928.216	934.424
21.0	899.500	903.380	914.246	925.887	932.096
21.5	896.395	900.276	911.141	923.559	929.768
22.0	892.515	897.172	908.037	921.231	927.439
22.5	888.634	893.291	905.709	918.902	925.111
23.0	885.530	890.187	902.604	916.574	923.559
23.5	881.650	887.082	900.276	914.246	921.231
24.0	878.545	883.978	897.172	911.917	918.902
24.5	873.889	880.097	894.843	909.589	917.350
25.0	870.784	876.217	891.739	907.261	915.022
25.5	866.904	873.112	889.411	904.933	913.470
26.0	863.023	869.232	886.306	902.604	911.141
26.5	859.143	866.128	883.202	900.276	909.589

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CANDELA TABULATION - (Cont.)

27.0	854.486	862.247	880.097	897.948	907.261
27.5	850.606	858.367	877.769	895.619	904.933
28.0	846.725	854.486	874.665	892.515	901.828
28.5	842.068	850.606	870.784	889.411	899.500
29.0	837.412	845.949	867.680	886.306	896.395
29.5	833.531	842.068	863.799	883.202	893.291
30.0	828.875	838.188	859.919	880.097	890.187
30.5	824.218	833.531	856.038	876.217	887.082
31.0	819.562	829.651	852.158	873.112	883.202
31.5	814.129	824.994	848.277	869.232	880.097
32.0	809.472	820.338	843.621	865.351	876.217
32.5	804.816	815.681	839.740	861.471	872.336
33.0	799.383	810.248	835.084	857.590	868.456
33.5	793.950	805.592	831.203	853.710	864.575
34.0	788.518	800.159	826.546	849.053	860.695
34.5	783.085	795.502	821.890	845.173	856.814
35.0	777.652	790.070	817.233	841.292	852.934
35.5	772.297	785.413	812.577	837.412	849.053
36.0	766.864	779.980	807.920	832.755	845.173
36.5	761.121	774.781	804.040	828.875	841.292
37.0	755.533	769.503	798.607	824.218	837.412
37.5	749.635	764.148	793.950	820.338	832.755
38.0	743.581	758.793	789.294	815.681	828.099
38.5	737.605	753.127	783.861	811.024	824.218
39.0	731.552	747.617	779.204	806.368	819.562
39.5	725.498	742.029	774.005	801.711	814.129
40.0	719.445	736.131	768.649	796.279	809.472
40.5	713.236	730.388	763.217	790.846	804.816
41.0	706.639	724.489	758.094	786.189	799.383
41.5	700.508	718.513	752.584	780.757	794.726
42.0	694.066	712.460	746.996	775.246	789.294
42.5	687.780	706.406	741.253	769.891	783.861
43.0	681.261	700.430	735.665	764.536	778.428
43.5	674.741	694.066	730.077	759.103	773.384
44.0	668.377	687.702	724.257	753.515	767.796
44.5	661.858	681.493	718.436	748.005	762.208
45.0	655.028	675.207	712.537	742.340	756.465
45.5	648.509	668.765	706.639	736.596	750.644
46.0	641.757	662.479	700.585	730.853	744.823
46.5	635.083	655.960	694.532	724.955	739.235
47.0	628.098	649.440	688.401	718.979	733.414
47.5	620.880	642.921	682.347	712.770	727.206
48.0	613.895	636.402	676.061	706.561	721.230
48.5	609.083	629.728	669.774	700.430	714.710
49.0	606.600	623.364	663.255	694.144	708.735
49.5	599.460	618.008	656.891	688.013	702.293
50.0	592.164	612.343	650.372	681.493	695.774
50.5	584.947	607.298	643.853	674.819	689.332
51.0	577.418	600.857	637.333	668.144	682.735
51.5	570.045	594.027	630.736	661.392	675.673
52.0	562.517	588.517	624.838	654.640	668.765
52.5	555.067	581.687	619.405	647.811	661.703
53.0	547.383	574.624	612.886	640.515	654.640
53.5	539.545	567.407	607.609	633.375	647.035
54.0	531.706	560.189	601.788	626.002	639.351
54.5	523.867	552.971	594.648	620.259	631.823

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CANDELA TABULATION - (Cont.)

55.0	516.262	545.676	588.749	614.206	626.390
55.5	508.501	538.458	581.842	606.600	619.638
56.0	500.740	531.008	574.469	599.149	611.256
56.5	492.901	523.557	566.863	593.716	602.719
57.0	484.985	515.874	559.180	585.800	594.027
57.5	477.069	508.345	551.497	577.496	588.517
58.0	469.308	500.895	543.891	569.192	579.436
58.5	461.624	493.522	536.207	560.810	570.356
59.0	453.708	486.149	528.446	552.040	560.965
59.5	445.869	478.466	520.530	543.192	551.497
60.0	437.876	471.015	512.692	534.112	541.563
60.5	430.037	463.487	504.853	525.264	531.396
61.0	422.431	456.114	497.014	516.106	521.151
61.5	414.670	448.974	489.409	506.949	510.751
62.0	407.142	441.911	481.570	497.635	500.196
62.5	399.459	434.616	473.654	487.779	488.943
63.0	391.930	427.321	465.738	477.767	477.146
63.5	384.325	420.181	457.589	467.290	464.418
64.0	376.641	412.963	449.362	456.269	451.147
64.5	369.113	405.512	440.825	444.705	437.332
65.0	361.197	398.062	432.055	432.443	422.664
65.5	353.048	390.301	423.052	419.560	407.142
66.0	344.821	382.229	413.351	405.823	390.611
66.5	336.517	374.003	403.184	391.310	372.916
67.0	327.669	365.465	392.862	376.253	355.454
67.5	318.899	356.773	382.229	360.964	337.138
68.0	309.974	347.926	371.364	344.821	318.744
68.5	301.127	338.923	360.033	328.446	299.885
69.0	291.581	329.765	348.314	311.604	281.336
69.5	282.190	320.607	336.517	294.530	262.555
70.0	273.032	311.371	324.720	277.456	244.704
70.5	263.796	302.058	312.303	261.158	227.164
71.0	254.871	292.900	299.807	244.549	210.245
71.5	246.024	283.742	286.924	228.561	194.025
72.0	237.176	274.584	274.119	213.195	178.813
72.5	228.251	265.271	260.847	198.449	164.300
73.0	219.559	256.035	247.033	184.246	151.184
73.5	210.944	246.800	233.373	170.975	138.689
74.0	202.484	237.642	220.024	158.247	127.203
74.5	193.870	228.096	206.753	146.528	116.648
75.0	185.410	218.705	193.637	135.817	106.947
75.5	177.261	209.081	180.909	125.728	98.254
76.0	169.112	199.613	168.802	116.105	89.872
76.5	161.041	190.144	157.315	107.490	82.655
77.0	153.202	180.754	146.450	99.651	76.135
77.5	145.364	171.518	136.206	92.511	70.159
78.0	137.603	162.205	126.815	85.914	64.804
78.5	130.307	153.357	118.045	79.783	59.837
79.0	123.322	144.743	109.818	74.040	55.336
79.5	116.570	136.438	102.212	68.918	51.300
80.0	110.051	128.677	95.072	64.106	47.653
80.5	103.299	121.304	88.398	59.527	44.393
81.0	96.547	114.009	82.111	55.336	41.289
81.5	90.105	106.714	76.058	51.300	38.572
82.0	83.508	99.651	70.237	47.575	35.701
82.5	76.912	92.434	64.649	43.772	32.829

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CANDELA TABULATION - (Cont.)

83.0	70.159	85.061	59.216	39.892	30.190
83.5	63.718	77.843	53.861	36.244	27.784
84.0	57.199	70.625	48.661	32.751	25.456
84.5	50.757	63.097	43.384	29.259	23.283
85.0	44.315	55.569	38.029	25.999	21.265
85.5	38.262	47.963	32.829	22.973	19.713
86.0	32.286	40.435	27.784	20.334	18.394
86.5	26.543	32.984	22.817	17.850	16.841
87.0	21.343	25.922	18.161	15.212	14.746
87.5	16.609	19.402	14.125	12.185	11.719
88.0	12.495	13.737	10.322	9.779	10.167
88.5	8.692	9.236	7.528	7.839	8.382
89.0	5.355	5.976	5.277	5.200	5.355
89.5	4.424	4.579	4.501	5.200	5.122
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-22-L30-835-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-22-L30-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	357.64	N.A.	12.00
0-30	769.42	N.A.	25.80
0-40	1280.31	N.A.	42.90
0-60	2344.51	N.A.	78.60
0-80	2937.28	N.A.	98.50
0-90	2981.38	N.A.	100.00
10-90	2889.69	N.A.	96.90
20-40	922.67	N.A.	30.90
20-50	1469.73	N.A.	49.30
40-70	1467.31	N.A.	49.20
60-80	592.77	N.A.	19.90
70-80	189.66	N.A.	6.40
80-90	44.10	N.A.	1.50
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	2981.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.69
10-20	265.95
20-30	411.78
30-40	510.89
40-50	547.06
50-60	517.14
60-70	403.11
70-80	189.66
80-90	44.10
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-22-L30-835-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	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

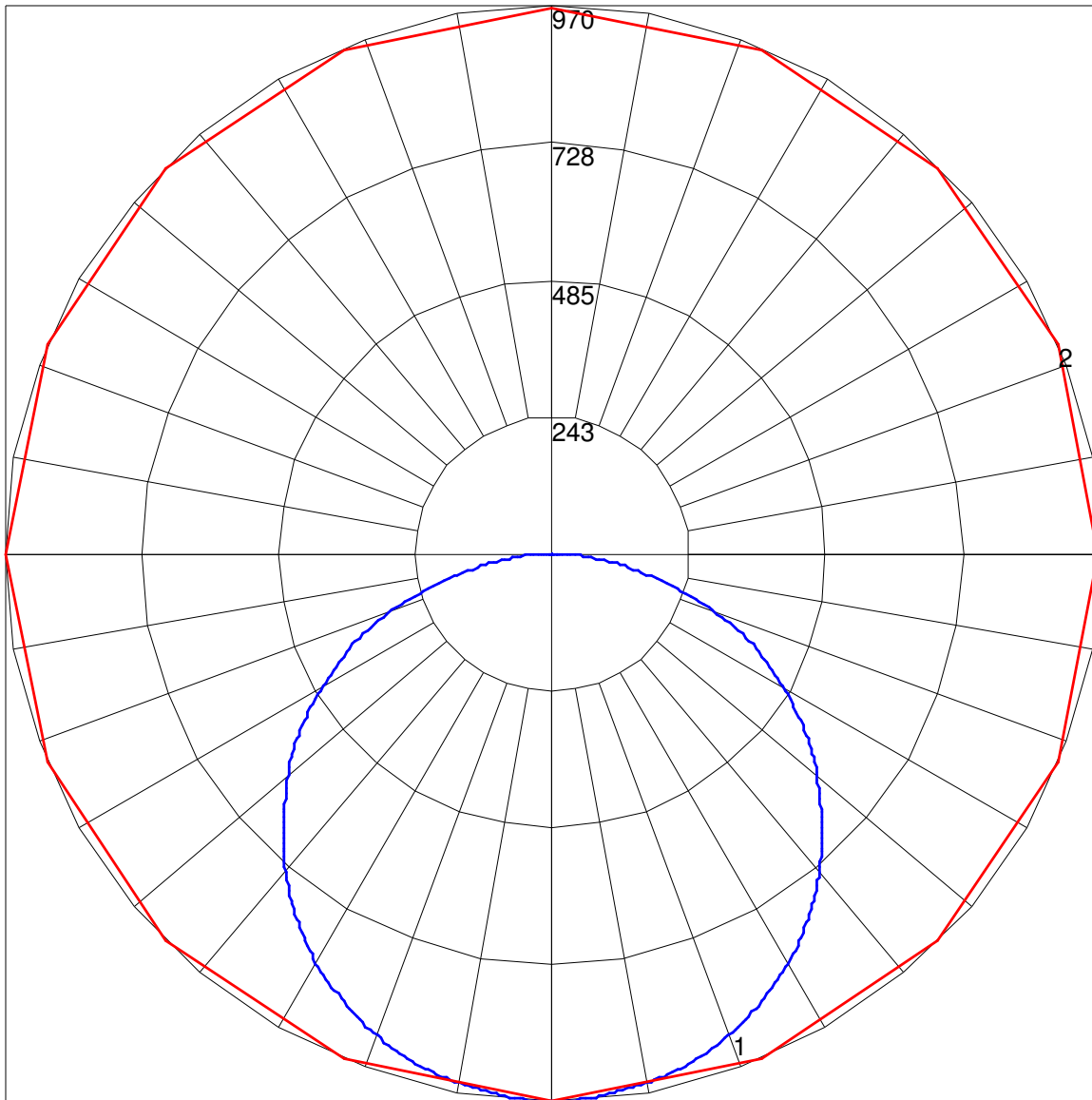
Reflectances

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	15.7	17.4	16.1	17.7	18.0	16.7	18.4	17.1	18.7	19.0
	3H	17.6	19.1	18.0	19.4	19.8	18.1	19.7	18.5	20.0	20.3
	4H	18.3	19.7	18.7	20.0	20.4	18.4	19.8	18.8	20.1	20.5
	6H	18.7	20.0	19.1	20.4	20.8	18.4	19.7	18.8	20.1	20.5
	8H	18.9	20.1	19.3	20.5	20.9	18.4	19.7	18.9	20.1	20.5
	12H	18.9	20.1	19.4	20.5	20.9	18.4	19.6	18.8	20.0	20.4
4H	2H	16.6	18.0	17.0	18.4	18.7	17.4	18.8	17.8	19.1	19.5
	3H	18.7	19.9	19.1	20.3	20.7	19.0	20.2	19.4	20.6	21.0
	4H	19.5	20.5	19.9	20.9	21.4	19.2	20.3	19.7	20.7	21.2
	6H	20.0	21.0	20.5	21.4	21.9	19.4	20.3	19.8	20.7	21.2
	8H	20.2	21.1	20.7	21.5	22.0	19.4	20.3	19.8	20.7	21.2
	12H	20.3	21.1	20.8	21.6	22.1	19.4	20.2	19.9	20.7	21.1
8H	4H	19.7	20.6	20.2	21.0	21.5	19.5	20.4	20.0	20.8	21.3
	6H	20.4	21.1	20.9	21.6	22.1	19.7	20.4	20.2	20.9	21.4
	8H	20.7	21.3	21.2	21.8	22.3	19.7	20.4	20.3	20.9	21.4
	12H	20.9	21.5	21.4	21.9	22.5	19.8	20.4	20.3	20.8	21.4
12H	4H	19.7	20.5	20.2	21.0	21.4	19.5	20.3	20.0	20.8	21.3
	6H	20.4	21.1	21.0	21.5	22.1	19.8	20.4	20.3	20.9	21.4
	8H	20.7	21.3	21.2	21.8	22.4	19.8	20.4	20.3	20.9	21.4

Maximum UGR = 22.5

POLAR GRAPH



Maximum Candela = 970.125 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)