



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-827-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-L30-827-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	2892
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	2629	2860	3037
55	2555	2914	3100
65	2426	2902	2839
75	2033	2124	1173
85	1443	1239	693

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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	939.516	939.516	939.516	939.516	939.516
0.5	938.763	941.021	939.516	938.763	938.763
1.0	938.010	941.021	939.516	938.763	938.763
1.5	938.010	940.268	939.516	938.010	938.763
2.0	938.010	940.268	938.763	938.010	938.010
2.5	938.010	940.268	938.010	937.257	937.257
3.0	937.257	939.516	937.257	936.504	937.257
3.5	936.504	938.763	936.504	936.504	936.504
4.0	935.752	938.010	936.504	935.752	935.752
4.5	934.999	937.257	934.999	934.999	934.999
5.0	934.246	935.752	934.246	934.246	934.999
5.5	933.493	934.999	933.493	933.493	934.246
6.0	931.987	934.246	932.740	932.740	933.493
6.5	931.235	932.740	931.987	932.740	932.740
7.0	930.482	931.987	931.235	931.987	932.740
7.5	928.976	930.482	929.729	931.235	931.987
8.0	928.223	929.729	928.976	930.482	931.235
8.5	926.718	928.223	928.223	929.729	930.482
9.0	925.212	926.718	926.718	928.976	930.482
9.5	923.706	925.212	925.965	928.223	929.729
10.0	922.954	924.459	925.212	927.471	928.976
10.5	921.448	922.954	923.706	926.718	928.976
11.0	919.942	921.448	922.954	925.965	928.223
11.5	918.437	919.942	921.448	925.212	927.471
12.0	916.931	918.437	920.695	924.459	926.718
12.5	915.425	916.931	919.190	923.706	926.718
13.0	913.167	915.425	918.437	922.954	925.965
13.5	911.661	913.920	916.931	922.201	925.212
14.0	909.403	911.661	915.425	921.448	924.459
14.5	907.897	910.156	913.920	919.942	923.706
15.0	905.639	907.897	912.414	919.190	922.954
15.5	903.380	905.639	910.909	917.684	921.448
16.0	901.122	903.380	909.403	916.178	920.695
16.5	898.863	901.122	907.144	915.425	919.190
17.0	895.852	898.863	905.639	913.167	918.437
17.5	893.594	896.605	903.380	911.661	916.178
18.0	890.582	893.594	901.122	910.156	914.673
18.5	887.571	890.582	898.863	907.897	913.167
19.0	884.560	888.324	896.605	906.392	911.661
19.5	882.301	885.313	894.347	904.133	909.403
20.0	878.537	882.301	892.088	902.628	907.897
20.5	875.526	879.290	889.077	900.369	906.392
21.0	872.515	876.279	886.818	898.111	904.133
21.5	869.504	873.268	883.807	895.852	901.875
22.0	865.740	870.256	880.796	893.594	899.616
22.5	861.975	866.492	878.537	891.335	897.358
23.0	858.964	863.481	875.526	889.077	895.852
23.5	855.200	860.470	873.268	886.818	893.594
24.0	852.189	857.459	870.256	884.560	891.335
24.5	847.672	853.694	867.998	882.301	889.830
25.0	844.661	849.930	864.987	880.043	887.571
25.5	840.897	846.919	862.728	877.785	886.066
26.0	837.132	843.155	859.717	875.526	883.807
26.5	833.368	840.144	856.706	873.268	882.301

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-827-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	828.851	836.380	853.694	871.009	880.043
27.5	825.087	832.616	851.436	868.751	877.785
28.0	821.323	828.851	848.425	865.740	874.773
28.5	816.806	825.087	844.661	862.728	872.515
29.0	812.290	820.571	841.649	859.717	869.504
29.5	808.525	816.806	837.885	856.706	866.492
30.0	804.009	813.042	834.121	853.694	863.481
30.5	799.492	808.525	830.357	849.930	860.470
31.0	794.975	804.761	826.593	846.919	856.706
31.5	789.705	800.244	822.829	843.155	853.694
32.0	785.188	795.728	818.312	839.391	849.930
32.5	780.671	791.211	814.548	835.627	846.166
33.0	775.401	785.941	810.031	831.863	842.402
33.5	770.132	781.424	806.267	828.099	838.638
34.0	764.862	776.154	801.750	823.582	834.874
34.5	759.592	771.637	797.233	819.818	831.110
35.0	754.323	766.368	792.716	816.054	827.346
35.5	749.128	761.851	788.199	812.290	823.582
36.0	743.858	756.581	783.682	807.773	819.818
36.5	738.288	751.537	779.918	804.009	816.054
37.0	732.867	746.418	774.649	799.492	812.290
37.5	727.146	741.224	770.132	795.728	807.773
38.0	721.274	736.029	765.615	791.211	803.256
38.5	715.477	730.534	760.345	786.694	799.492
39.0	709.605	725.189	755.828	782.177	794.975
39.5	703.733	719.768	750.784	777.660	789.705
40.0	697.861	714.047	745.590	772.390	785.188
40.5	691.839	708.476	740.320	767.120	780.671
41.0	685.440	702.755	735.352	762.604	775.401
41.5	679.493	696.958	730.007	757.334	770.885
42.0	673.244	691.086	724.586	751.989	765.615
42.5	667.146	685.214	719.015	746.794	760.345
43.0	660.823	679.417	713.595	741.600	755.075
43.5	654.499	673.244	708.175	736.330	750.182
44.0	648.326	667.071	702.529	730.910	744.762
44.5	642.002	661.049	696.883	725.565	739.342
45.0	635.378	654.951	691.161	720.069	733.771
45.5	629.054	648.702	685.440	714.499	728.125
46.0	622.504	642.605	679.568	708.928	722.478
46.5	616.030	636.281	673.696	703.206	717.058
47.0	609.255	629.957	667.749	697.410	711.412
47.5	602.254	623.634	661.877	691.387	705.390
48.0	595.478	617.310	655.779	685.365	699.593
48.5	590.811	610.836	649.681	679.417	693.269
49.0	588.402	604.663	643.357	673.320	687.472
49.5	581.476	599.468	637.184	667.372	681.224
50.0	574.399	593.973	630.861	661.049	674.900
50.5	567.398	589.079	624.537	654.574	668.652
51.0	560.096	582.831	618.213	648.100	662.253
51.5	552.944	576.206	611.814	641.551	655.402
52.0	545.642	570.861	606.093	635.001	648.702
52.5	538.415	564.236	600.823	628.376	641.852
53.0	530.962	557.386	594.500	621.300	635.001
53.5	523.358	550.384	589.380	614.374	627.624
54.0	515.755	543.383	583.734	607.222	620.171
54.5	508.151	536.382	576.808	601.651	612.868

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-827-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	500.774	529.306	571.087	595.779	607.599
55.5	493.246	522.304	564.387	588.402	601.049
56.0	485.718	515.077	557.235	581.175	592.919
56.5	478.114	507.850	549.858	575.905	584.638
57.0	470.435	500.397	542.405	568.226	576.206
57.5	462.757	493.095	534.952	560.171	570.861
58.0	455.228	485.868	527.574	552.116	562.053
58.5	447.776	478.716	520.121	543.986	553.245
59.0	440.097	471.565	512.593	535.479	544.136
59.5	432.493	464.112	504.914	526.897	534.952
60.0	424.739	456.885	497.311	518.089	525.316
60.5	417.136	449.582	489.707	509.507	515.454
61.0	409.758	442.431	482.104	500.623	505.517
61.5	402.230	435.505	474.726	491.740	495.429
62.0	394.928	428.654	467.123	482.706	485.191
62.5	387.475	421.578	459.444	473.145	474.275
63.0	380.173	414.501	451.765	463.434	462.832
63.5	372.795	407.575	443.861	453.271	450.486
64.0	365.342	400.574	435.881	442.581	437.613
64.5	358.040	393.347	427.600	431.364	424.212
65.0	350.361	386.120	419.093	419.470	409.984
65.5	342.456	378.592	410.361	406.973	394.928
66.0	334.477	370.762	400.950	393.648	378.893
66.5	326.421	362.783	391.088	379.570	361.729
67.0	317.839	354.502	381.076	364.966	344.790
67.5	309.332	346.070	370.762	350.135	327.024
68.0	300.675	337.488	360.223	334.477	309.182
68.5	292.093	328.755	349.232	318.592	290.888
69.0	282.833	319.872	337.864	302.256	272.896
69.5	273.724	310.989	326.421	285.694	254.678
70.0	264.841	302.030	314.979	269.132	237.363
70.5	255.882	292.996	302.934	253.323	220.350
71.0	247.225	284.113	290.813	237.213	203.938
71.5	238.643	275.230	278.316	221.705	188.204
72.0	230.061	266.347	265.895	206.799	173.449
72.5	221.403	257.313	253.022	192.495	159.371
73.0	212.972	248.354	239.622	178.719	146.649
73.5	204.616	239.396	226.372	165.846	134.528
74.0	196.410	230.513	213.424	153.499	123.387
74.5	188.054	221.253	200.550	142.132	113.148
75.0	179.848	212.144	187.828	131.743	103.738
75.5	171.943	202.809	175.482	121.956	95.307
76.0	164.039	193.625	163.738	112.621	87.176
76.5	156.210	184.440	152.596	104.265	80.175
77.0	148.606	175.331	142.057	96.662	73.851
77.5	141.003	166.373	132.119	89.736	68.055
78.0	133.474	157.339	123.010	83.337	62.860
78.5	126.398	148.757	114.503	77.390	58.042
79.0	119.623	140.400	106.524	71.819	53.676
79.5	113.073	132.345	99.146	66.850	49.761
80.0	106.749	124.817	92.220	62.183	46.223
80.5	100.200	117.665	85.746	57.741	43.061
81.0	93.650	110.589	79.648	53.676	40.050
81.5	87.402	103.512	73.776	49.761	37.415
82.0	81.003	96.662	68.130	46.148	34.630
82.5	74.604	89.661	62.710	42.459	31.844

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-827-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	68.055	82.509	57.440	38.695	29.285
83.5	61.806	75.508	52.245	35.157	26.951
84.0	55.483	68.506	47.202	31.769	24.692
84.5	49.234	61.204	42.082	28.381	22.585
85.0	42.986	53.902	36.888	25.219	20.627
85.5	37.114	46.524	31.844	22.283	19.122
86.0	31.317	39.222	26.951	19.724	17.842
86.5	25.746	31.995	22.133	17.315	16.336
87.0	20.702	25.144	17.616	14.755	14.304
87.5	16.110	18.820	13.701	11.819	11.368
88.0	12.120	13.325	10.012	9.485	9.862
88.5	8.432	8.959	7.302	7.603	8.130
89.0	5.194	5.797	5.119	5.044	5.194
89.5	4.291	4.442	4.366	5.044	4.969
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-827-DIM-UNV_.IES

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-22-L30-827-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-22-L30-827-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-L30-827-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	346.91	N.A.	12.00
0-30	746.34	N.A.	25.80
0-40	1241.9	N.A.	42.90
0-60	2274.18	N.A.	78.60
0-80	2849.17	N.A.	98.50
0-90	2891.94	N.A.	100.00
10-90	2803.00	N.A.	96.90
20-40	894.99	N.A.	30.90
20-50	1425.64	N.A.	49.30
40-70	1423.29	N.A.	49.20
60-80	574.99	N.A.	19.90
70-80	183.97	N.A.	6.40
80-90	42.77	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	2891.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.94
10-20	257.97
20-30	399.43
30-40	495.56
40-50	530.65
50-60	501.63
60-70	391.01
70-80	183.97
80-90	42.77
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-L30-827-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	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	77	70	64	74	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-L30-827-DIM-UNV_.IES

UGR TABLE - CORRECTED

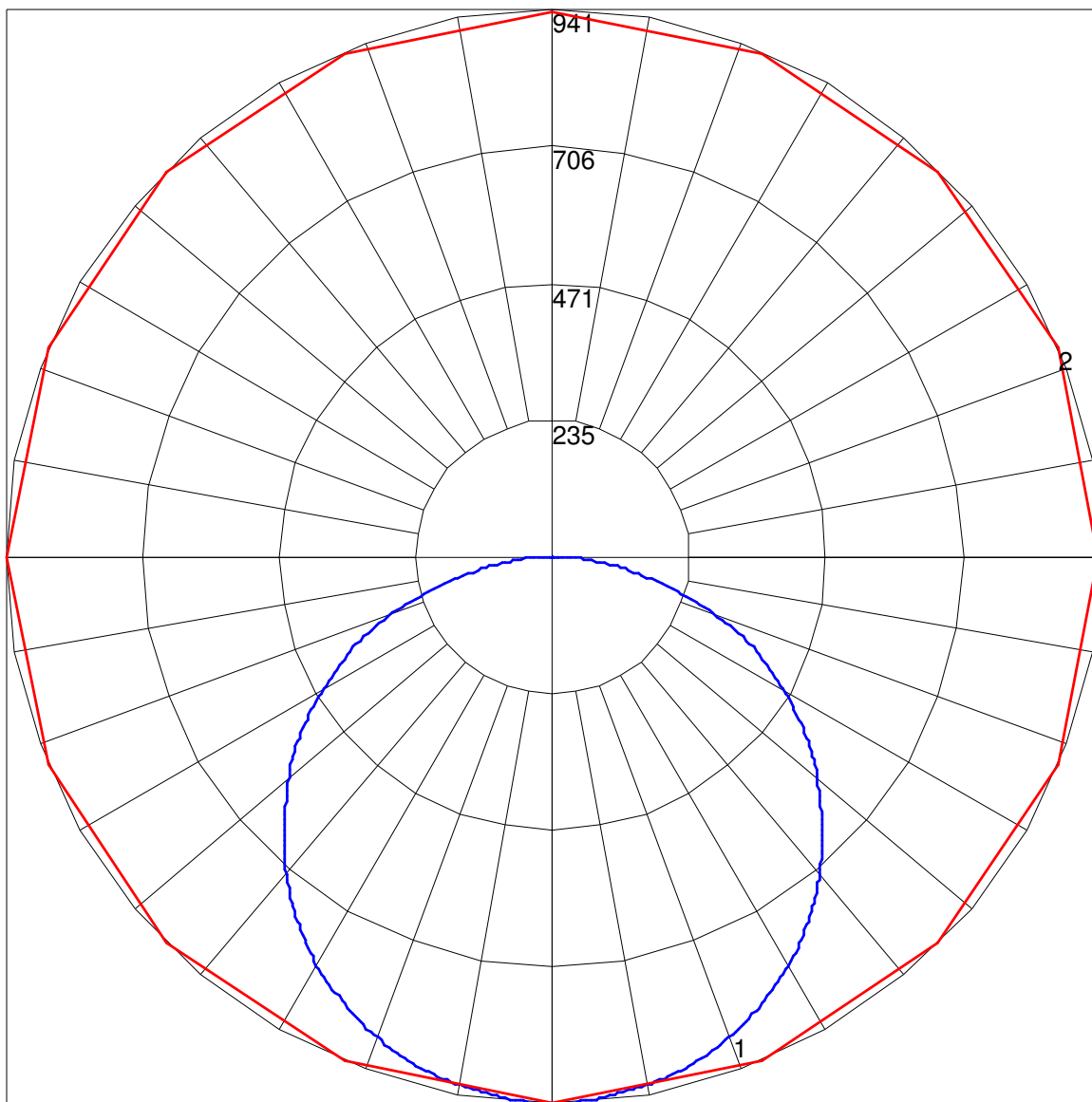
Reflectances

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	15.6	17.3	16.0	17.6	17.9	16.6	18.3	17.0	18.6	18.9
	3H	17.5	19.0	17.9	19.3	19.7	18.0	19.6	18.4	19.9	20.2
	4H	18.2	19.6	18.6	19.9	20.3	18.3	19.7	18.7	20.0	20.4
	6H	18.6	19.9	19.0	20.3	20.7	18.3	19.6	18.7	20.0	20.4
	8H	18.8	20.0	19.2	20.4	20.8	18.3	19.6	18.8	20.0	20.4
	12H	18.8	20.0	19.2	20.4	20.8	18.3	19.5	18.7	19.9	20.3
4H	2H	16.5	17.9	16.9	18.3	18.6	17.3	18.7	17.7	19.0	19.4
	3H	18.6	19.8	19.0	20.2	20.6	18.9	20.1	19.3	20.5	20.9
	4H	19.4	20.4	19.8	20.8	21.3	19.1	20.2	19.6	20.6	21.1
	6H	19.9	20.9	20.4	21.3	21.8	19.3	20.2	19.7	20.6	21.1
	8H	20.1	21.0	20.6	21.4	21.9	19.3	20.2	19.7	20.6	21.1
	12H	20.2	21.0	20.7	21.5	22.0	19.3	20.1	19.8	20.6	21.0
8H	4H	19.6	20.5	20.1	20.9	21.4	19.4	20.3	19.9	20.7	21.2
	6H	20.3	21.0	20.8	21.5	22.0	19.6	20.3	20.1	20.8	21.3
	8H	20.6	21.2	21.1	21.7	22.2	19.6	20.3	20.2	20.8	21.3
	12H	20.8	21.4	21.3	21.8	22.4	19.7	20.3	20.2	20.7	21.3
12H	4H	19.6	20.4	20.1	20.9	21.3	19.4	20.2	19.9	20.7	21.2
	6H	20.3	21.0	20.9	21.4	22.0	19.7	20.3	20.2	20.8	21.3
	8H	20.6	21.2	21.1	21.7	22.3	19.7	20.3	20.2	20.8	21.3

Maximum UGR = 22.4

POLAR GRAPH



Maximum Candela = 941.021 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.)