



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-22-L30-935-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-L30-935-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	2504
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
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	2277	2477	2630
55	2212	2523	2684
65	2101	2513	2458
75	1761	1839	1016
85	1250	1073	600

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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	813.601	813.601	813.601	813.601	813.601
0.5	812.949	814.905	813.601	812.949	812.949
1.0	812.297	814.905	813.601	812.949	812.949
1.5	812.297	814.253	813.601	812.297	812.949
2.0	812.297	814.253	812.949	812.297	812.297
2.5	812.297	814.253	812.297	811.645	811.645
3.0	811.645	813.601	811.645	810.993	811.645
3.5	810.993	812.949	810.993	810.993	810.993
4.0	810.342	812.297	810.993	810.342	810.342
4.5	809.690	811.645	809.690	809.690	809.690
5.0	809.038	810.342	809.038	809.038	809.690
5.5	808.386	809.690	808.386	808.386	809.038
6.0	807.082	809.038	807.734	807.734	808.386
6.5	806.430	807.734	807.082	807.734	807.734
7.0	805.778	807.082	806.430	807.082	807.734
7.5	804.474	805.778	805.126	806.430	807.082
8.0	803.822	805.126	804.474	805.778	806.430
8.5	802.518	803.822	803.822	805.126	805.778
9.0	801.215	802.518	802.518	804.474	805.778
9.5	799.911	801.215	801.867	803.822	805.126
10.0	799.259	800.563	801.215	803.170	804.474
10.5	797.955	799.259	799.911	802.518	804.474
11.0	796.651	797.955	799.259	801.867	803.822
11.5	795.347	796.651	797.955	801.215	803.170
12.0	794.043	795.347	797.303	800.563	802.518
12.5	792.740	794.043	795.999	799.911	802.518
13.0	790.784	792.740	795.347	799.259	801.867
13.5	789.480	791.436	794.043	798.607	801.215
14.0	787.524	789.480	792.740	797.955	800.563
14.5	786.220	788.176	791.436	796.651	799.911
15.0	784.265	786.220	790.132	795.999	799.259
15.5	782.309	784.265	788.828	794.695	797.955
16.0	780.353	782.309	787.524	793.392	797.303
16.5	778.397	780.353	785.568	792.740	795.999
17.0	775.790	778.397	784.265	790.784	795.347
17.5	773.834	776.442	782.309	789.480	793.392
18.0	771.226	773.834	780.353	788.176	792.088
18.5	768.618	771.226	778.397	786.220	790.784
19.0	766.011	769.270	776.442	784.917	789.480
19.5	764.055	766.663	774.486	782.961	787.524
20.0	760.795	764.055	772.530	781.657	786.220
20.5	758.188	761.447	769.922	779.701	784.917
21.0	755.580	758.840	767.966	777.745	782.961
21.5	752.972	756.232	765.359	775.790	781.005
22.0	749.713	753.624	762.751	773.834	779.049
22.5	746.453	750.365	760.795	771.878	777.093
23.0	743.845	747.757	758.188	769.922	775.790
23.5	740.586	745.149	756.232	767.966	773.834
24.0	737.978	742.541	753.624	766.011	771.878
24.5	734.066	739.282	751.668	764.055	770.574
25.0	731.459	736.022	749.061	762.099	768.618
25.5	728.199	733.415	747.105	760.143	767.315
26.0	724.940	730.155	744.497	758.188	765.359
26.5	721.680	727.547	741.890	756.232	764.055

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CANDELA TABULATION - (Cont.)

27.0	717.768	724.288	739.282	754.276	762.099
27.5	714.509	721.028	737.326	752.320	760.143
28.0	711.249	717.768	734.718	749.713	757.536
28.5	707.338	714.509	731.459	747.105	755.580
29.0	703.426	710.597	728.851	744.497	752.972
29.5	700.166	707.338	725.591	741.890	750.365
30.0	696.255	704.078	722.332	739.282	747.757
30.5	692.343	700.166	719.072	736.022	745.149
31.0	688.432	696.907	715.813	733.415	741.890
31.5	683.868	692.995	712.553	730.155	739.282
32.0	679.957	689.084	708.641	726.895	736.022
32.5	676.045	685.172	705.382	723.636	732.763
33.0	671.482	680.609	701.470	720.376	729.503
33.5	666.918	676.697	698.211	717.116	726.243
34.0	662.355	672.134	694.299	713.205	722.984
34.5	657.791	668.222	690.388	709.945	719.724
35.0	653.228	663.659	686.476	706.686	716.464
35.5	648.730	659.747	682.564	703.426	713.205
36.0	644.166	655.184	678.653	699.514	709.945
36.5	639.342	650.816	675.393	696.255	706.686
37.0	634.648	646.383	670.830	692.343	703.426
37.5	629.693	641.884	666.918	689.084	699.514
38.0	624.608	637.386	663.007	685.172	695.603
38.5	619.589	632.627	658.443	681.261	692.343
39.0	614.504	627.998	654.532	677.349	688.432
39.5	609.419	623.305	650.164	673.438	683.868
40.0	604.334	618.350	645.666	668.874	679.957
40.5	599.118	613.526	641.102	664.311	676.045
41.0	593.577	608.571	636.799	660.399	671.482
41.5	588.427	603.551	632.171	655.836	667.570
42.0	583.016	598.466	627.477	651.207	663.007
42.5	577.735	593.381	622.653	646.709	658.443
43.0	572.259	588.361	617.959	642.210	653.880
43.5	566.783	583.016	613.265	637.647	649.642
44.0	561.437	577.670	608.375	632.953	644.948
44.5	555.961	572.454	603.486	628.324	640.255
45.0	550.224	567.174	598.531	623.565	635.430
45.5	544.748	561.763	593.577	618.741	630.541
46.0	539.076	556.482	588.492	613.917	625.651
46.5	533.469	551.006	583.407	608.962	620.958
47.0	527.602	545.530	578.257	603.942	616.068
47.5	521.539	540.054	573.172	598.727	610.853
48.0	515.672	534.578	567.891	593.512	605.833
48.5	511.630	528.971	562.610	588.361	600.357
49.0	509.544	523.625	557.134	583.081	595.337
49.5	503.546	519.127	551.788	577.931	589.926
50.0	497.418	514.368	546.312	572.454	584.450
50.5	491.355	510.131	540.836	566.848	579.039
51.0	485.031	504.720	535.360	561.241	573.498
51.5	478.838	498.983	529.819	555.570	567.565
52.0	472.515	494.354	524.864	549.898	561.763
52.5	466.256	488.617	520.301	544.161	555.830
53.0	459.802	482.685	514.824	538.033	549.898
53.5	453.218	476.622	510.391	532.035	543.509
54.0	446.633	470.559	505.502	525.842	537.055
54.5	440.049	464.496	499.504	521.018	530.731

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CANDELA TABULATION - (Cont.)

55.0	433.660	458.368	494.550	515.933	526.168
55.5	427.141	452.305	488.747	509.544	520.496
56.0	420.621	446.046	482.554	503.285	513.455
56.5	414.037	439.788	476.165	498.722	506.284
57.0	407.387	433.334	469.711	492.072	498.983
57.5	400.738	427.010	463.257	485.097	494.354
58.0	394.218	420.752	456.868	478.121	486.726
58.5	387.764	414.558	450.414	471.080	479.099
59.0	381.115	408.365	443.895	463.714	471.211
59.5	374.530	401.911	437.245	456.282	463.257
60.0	367.816	395.653	430.661	448.654	454.913
60.5	361.231	389.329	424.077	441.222	446.372
61.0	354.842	383.136	417.492	433.529	437.767
61.5	348.323	377.138	411.103	425.837	429.031
62.0	341.999	371.206	404.519	418.014	420.165
62.5	335.545	365.077	397.869	409.734	410.712
63.0	329.222	358.949	391.220	401.324	400.803
63.5	322.833	352.952	384.374	392.523	390.111
64.0	316.379	346.889	377.464	383.266	378.963
64.5	310.055	340.630	370.293	373.552	367.359
65.0	303.405	334.372	362.926	363.252	355.038
65.5	296.560	327.853	355.364	352.430	341.999
66.0	289.650	321.073	347.215	340.891	328.113
66.5	282.674	314.162	338.675	328.700	313.249
67.0	275.242	306.991	330.004	316.053	298.581
67.5	267.876	299.689	321.073	303.210	283.196
68.0	260.378	292.258	311.946	289.650	267.745
68.5	252.947	284.695	302.428	275.894	251.903
69.0	244.928	277.003	292.583	261.747	236.322
69.5	237.040	269.310	282.674	247.405	220.546
70.0	229.347	261.552	272.765	233.063	205.552
70.5	221.589	253.729	262.334	219.372	190.818
71.0	214.092	246.036	251.838	205.421	176.606
71.5	206.660	238.343	241.016	191.992	162.981
72.0	199.228	230.651	230.260	179.084	150.203
72.5	191.731	222.828	219.112	166.697	138.012
73.0	184.429	215.070	207.507	154.767	126.995
73.5	177.193	207.312	196.034	143.619	116.499
74.0	170.087	199.619	184.820	132.927	106.850
74.5	162.851	191.600	173.673	123.083	97.984
75.0	155.745	183.712	162.655	114.087	89.835
75.5	148.899	175.628	151.963	105.612	82.534
76.0	142.054	167.675	141.793	97.528	75.493
76.5	135.274	159.721	132.145	90.291	69.430
77.0	128.690	151.833	123.018	83.707	63.954
77.5	122.105	144.075	114.413	77.709	58.934
78.0	115.586	136.252	106.524	72.168	54.436
78.5	109.458	128.820	99.158	67.018	50.263
79.0	103.591	121.584	92.247	62.194	46.482
79.5	97.919	114.608	85.858	57.891	43.092
80.0	92.443	108.089	79.861	53.849	40.028
80.5	86.771	101.896	74.254	50.003	37.290
81.0	81.099	95.768	68.974	46.482	34.682
81.5	75.688	89.640	63.889	43.092	32.401
82.0	70.147	83.707	58.999	39.963	29.989
82.5	64.606	77.644	54.305	36.769	27.576

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CANDELA TABULATION - (Cont.)

83.0	58.934	71.451	49.742	33.509	25.360
83.5	53.523	65.388	45.244	30.445	23.339
84.0	48.047	59.325	40.876	27.511	21.383
84.5	42.636	53.001	36.443	24.578	19.558
85.0	37.225	46.678	31.944	21.839	17.863
85.5	32.140	40.289	27.576	19.297	16.559
86.0	27.120	33.965	23.339	17.080	15.451
86.5	22.296	27.707	19.167	14.994	14.147
87.0	17.928	21.774	15.255	12.778	12.387
87.5	13.951	16.298	11.865	10.235	9.844
88.0	10.496	11.539	8.671	8.214	8.540
88.5	7.302	7.758	6.324	6.584	7.041
89.0	4.498	5.020	4.433	4.368	4.498
89.5	3.716	3.846	3.781	4.368	4.303
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-L30-935-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-L30-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	300.42	N.A.	12.00
0-30	646.31	N.A.	25.80
0-40	1075.46	N.A.	42.90
0-60	1969.39	N.A.	78.60
0-80	2467.32	N.A.	98.50
0-90	2504.36	N.A.	100.00
10-90	2427.34	N.A.	96.90
20-40	775.04	N.A.	30.90
20-50	1234.57	N.A.	49.30
40-70	1232.54	N.A.	49.20
60-80	497.93	N.A.	19.90
70-80	159.32	N.A.	6.40
80-90	37.04	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	2504.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	77.02
10-20	223.40
20-30	345.89
30-40	429.15
40-50	459.53
50-60	434.40
60-70	338.61
70-80	159.32
80-90	37.04
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-L30-935-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-L30-935-DIM-UNV_.IES

UGR TABLE - CORRECTED

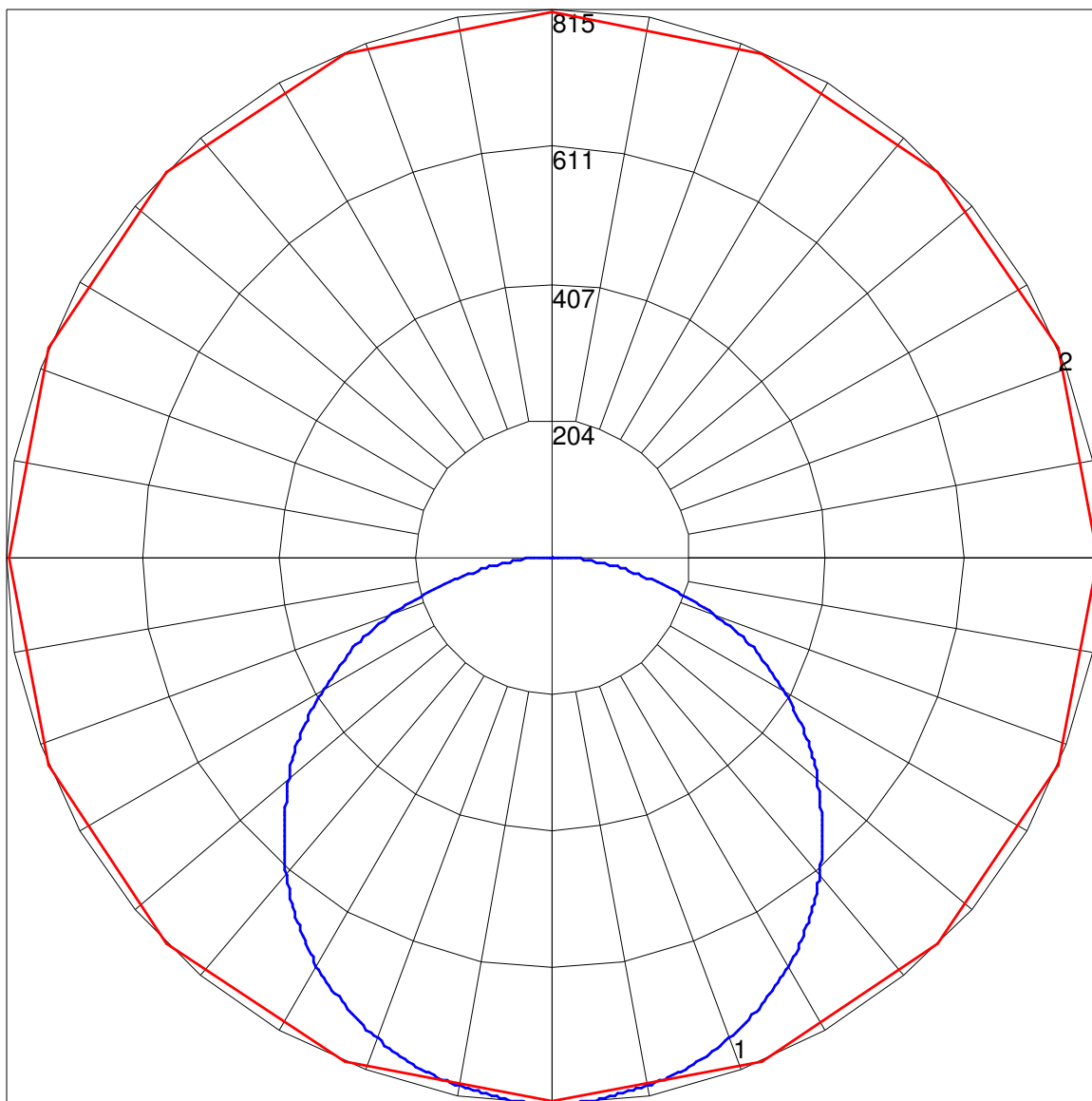
Reflectances

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	15.1	16.8	15.5	17.1	17.4	16.1	17.8	16.5	18.1	18.4
	3H	17.0	18.5	17.4	18.8	19.2	17.5	19.1	17.9	19.4	19.7
	4H	17.7	19.1	18.1	19.4	19.8	17.8	19.2	18.2	19.5	19.9
	6H	18.1	19.4	18.5	19.8	20.2	17.8	19.1	18.2	19.5	19.9
	8H	18.3	19.5	18.7	19.9	20.3	17.8	19.1	18.3	19.5	19.9
	12H	18.3	19.5	18.7	19.9	20.3	17.8	19.0	18.2	19.4	19.8
4H	2H	16.0	17.4	16.4	17.8	18.1	16.8	18.2	17.2	18.5	18.9
	3H	18.1	19.3	18.5	19.7	20.1	18.4	19.6	18.8	20.0	20.4
	4H	18.9	19.9	19.3	20.3	20.8	18.6	19.7	19.1	20.1	20.6
	6H	19.4	20.4	19.9	20.8	21.3	18.8	19.7	19.2	20.1	20.6
	8H	19.6	20.5	20.1	20.9	21.4	18.8	19.7	19.2	20.1	20.6
	12H	19.7	20.5	20.2	21.0	21.5	18.8	19.6	19.3	20.1	20.5
8H	4H	19.1	20.0	19.6	20.4	20.9	18.9	19.8	19.4	20.2	20.7
	6H	19.8	20.5	20.3	21.0	21.5	19.1	19.8	19.6	20.3	20.8
	8H	20.1	20.7	20.6	21.2	21.7	19.1	19.8	19.7	20.3	20.8
	12H	20.3	20.9	20.8	21.3	21.9	19.2	19.8	19.7	20.2	20.8
12H	4H	19.1	19.9	19.6	20.4	20.8	18.9	19.7	19.4	20.2	20.7
	6H	19.8	20.5	20.4	20.9	21.5	19.2	19.8	19.7	20.3	20.8
	8H	20.1	20.7	20.6	21.2	21.8	19.2	19.8	19.7	20.3	20.8

Maximum UGR = 21.9

POLAR GRAPH



Maximum Candela = 814.905 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.)