



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-22-L30-930-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-L30-930-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	2475
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
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	2250	2447	2598
55	2186	2493	2652
65	2076	2483	2429
75	1740	1817	1004
85	1235	1060	593

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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	803.915	803.915	803.915	803.915	803.915
0.5	803.271	805.204	803.915	803.271	803.271
1.0	802.627	805.204	803.915	803.271	803.271
1.5	802.627	804.560	803.915	802.627	803.271
2.0	802.627	804.560	803.271	802.627	802.627
2.5	802.627	804.560	802.627	801.983	801.983
3.0	801.983	803.915	801.983	801.339	801.983
3.5	801.339	803.271	801.339	801.339	801.339
4.0	800.695	802.627	801.339	800.695	800.695
4.5	800.050	801.983	800.050	800.050	800.050
5.0	799.406	800.695	799.406	799.406	800.050
5.5	798.762	800.050	798.762	798.762	799.406
6.0	797.474	799.406	798.118	798.118	798.762
6.5	796.830	798.118	797.474	798.118	798.118
7.0	796.185	797.474	796.830	797.474	798.118
7.5	794.897	796.185	795.541	796.830	797.474
8.0	794.253	795.541	794.897	796.185	796.830
8.5	792.965	794.253	794.253	795.541	796.185
9.0	791.676	792.965	792.965	794.897	796.185
9.5	790.388	791.676	792.321	794.253	795.541
10.0	789.744	791.032	791.676	793.609	794.897
10.5	788.456	789.744	790.388	792.965	794.897
11.0	787.167	788.456	789.744	792.321	794.253
11.5	785.879	787.167	788.456	791.676	793.609
12.0	784.591	785.879	787.811	791.032	792.965
12.5	783.302	784.591	786.523	790.388	792.965
13.0	781.370	783.302	785.879	789.744	792.321
13.5	780.081	782.014	784.591	789.100	791.676
14.0	778.149	780.081	783.302	788.456	791.032
14.5	776.861	778.793	782.014	787.167	790.388
15.0	774.928	776.861	780.726	786.523	789.744
15.5	772.996	774.928	779.437	785.235	788.456
16.0	771.063	772.996	778.149	783.946	787.811
16.5	769.131	771.063	776.216	783.302	786.523
17.0	766.554	769.131	774.928	781.370	785.879
17.5	764.621	767.198	772.996	780.081	783.946
18.0	762.045	764.621	771.063	778.793	782.658
18.5	759.468	762.045	769.131	776.861	781.370
19.0	756.892	760.112	767.198	775.572	780.081
19.5	754.959	757.536	765.266	773.640	778.149
20.0	751.738	754.959	763.333	772.351	776.861
20.5	749.162	752.382	760.757	770.419	775.572
21.0	746.585	749.806	758.824	768.486	773.640
21.5	744.008	747.229	756.247	766.554	771.707
22.0	740.787	744.652	753.671	764.621	769.775
22.5	737.567	741.432	751.738	762.689	767.842
23.0	734.990	738.855	749.162	760.757	766.554
23.5	731.769	736.278	747.229	758.824	764.621
24.0	729.193	733.702	744.652	756.892	762.689
24.5	725.328	730.481	742.720	754.959	761.401
25.0	722.751	727.260	740.143	753.027	759.468
25.5	719.530	724.683	738.211	751.094	758.180
26.0	716.309	721.463	735.634	749.162	756.247
26.5	713.088	718.886	733.058	747.229	754.959

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CANDELA TABULATION - (Cont.)

27.0	709.223	715.665	730.481	745.297	753.027
27.5	706.003	712.444	728.548	743.364	751.094
28.0	702.782	709.223	725.972	740.787	748.517
28.5	698.917	706.003	722.751	738.211	746.585
29.0	695.052	702.138	720.174	735.634	744.008
29.5	691.831	698.917	716.953	733.058	741.432
30.0	687.966	695.696	713.733	730.481	738.855
30.5	684.101	691.831	710.512	727.260	736.278
31.0	680.236	688.610	707.291	724.683	733.058
31.5	675.727	684.745	704.070	721.463	730.481
32.0	671.862	680.880	700.205	718.242	727.260
32.5	667.997	677.015	696.984	715.021	724.039
33.0	663.488	672.506	693.119	711.800	720.818
33.5	658.979	668.641	689.899	708.579	717.598
34.0	654.470	664.132	686.034	704.714	714.377
34.5	649.960	660.267	682.169	701.494	711.156
35.0	645.451	655.758	678.304	698.273	707.935
35.5	641.007	651.893	674.439	695.052	704.714
36.0	636.497	647.384	670.574	691.187	701.494
36.5	631.731	643.068	667.353	687.966	698.273
37.0	627.093	638.688	662.844	684.101	695.052
37.5	622.197	634.243	658.979	680.880	691.187
38.0	617.173	629.798	655.114	677.015	687.322
38.5	612.213	625.096	650.605	673.150	684.101
39.0	607.188	620.522	646.740	669.285	680.236
39.5	602.164	615.884	642.424	665.420	675.727
40.0	597.139	610.989	637.979	660.911	671.862
40.5	591.986	606.222	633.470	656.402	667.997
41.0	586.510	601.326	629.218	652.537	663.488
41.5	581.422	596.366	624.645	648.028	659.623
42.0	576.075	591.342	620.007	643.454	655.114
42.5	570.857	586.317	615.240	639.010	650.605
43.0	565.446	581.357	610.602	634.565	646.096
43.5	560.035	576.075	605.964	630.056	641.908
44.0	554.753	570.793	601.133	625.418	637.270
44.5	549.342	565.640	596.302	620.844	632.632
45.0	543.674	560.422	591.406	616.142	627.866
45.5	538.263	555.075	586.510	611.375	623.034
46.0	532.658	549.858	581.486	606.608	618.203
46.5	527.119	544.447	576.461	601.713	613.565
47.0	521.321	539.036	571.373	596.753	608.734
47.5	515.330	533.625	566.348	591.599	603.581
48.0	509.533	528.214	561.130	586.446	598.621
48.5	505.539	522.674	555.913	581.357	593.210
49.0	503.478	517.392	550.502	576.139	588.250
49.5	497.552	512.947	545.220	571.051	582.903
50.0	491.496	508.245	539.809	565.640	577.492
50.5	485.506	504.058	534.398	560.100	572.146
51.0	479.257	498.711	528.987	554.560	566.670
51.5	473.138	493.042	523.511	548.956	560.808
52.0	466.889	488.469	518.616	543.352	555.075
52.5	460.705	482.800	514.107	537.683	549.213
53.0	454.328	476.938	508.696	531.628	543.352
53.5	447.822	470.948	504.315	525.701	537.039
54.0	441.316	464.957	499.484	519.582	530.661
54.5	434.810	458.966	493.558	514.815	524.413

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CANDELA TABULATION - (Cont.)

55.0	428.497	452.911	488.662	509.791	519.904
55.5	422.056	446.920	482.929	503.478	514.300
56.0	415.614	440.736	476.809	497.294	507.343
56.5	409.108	434.552	470.497	492.785	500.257
57.0	402.537	428.175	464.119	486.214	493.042
57.5	395.967	421.927	457.742	479.322	488.469
58.0	389.525	415.743	451.429	472.429	480.932
58.5	383.148	409.623	445.052	465.472	473.395
59.0	376.578	403.504	438.611	458.193	465.601
59.5	370.072	397.126	432.040	450.850	457.742
60.0	363.437	390.943	425.534	443.313	449.497
60.5	356.931	384.694	419.028	435.970	441.058
61.0	350.618	378.575	412.522	428.368	432.555
61.5	344.176	372.648	406.209	420.767	423.924
62.0	337.928	366.786	399.703	413.037	415.163
62.5	331.551	360.731	393.133	404.856	405.823
63.0	325.302	354.676	386.562	396.547	396.031
63.5	318.990	348.750	379.799	387.851	385.467
64.0	312.612	342.759	372.970	378.703	374.452
64.5	306.364	336.575	365.885	369.105	362.986
65.0	299.793	330.391	358.606	358.928	350.811
65.5	293.030	323.950	351.133	348.235	337.928
66.0	286.202	317.250	343.081	336.833	324.207
66.5	279.309	310.422	334.643	324.787	309.520
67.0	271.966	303.336	326.075	312.290	295.027
67.5	264.687	296.122	317.250	299.600	279.824
68.0	257.279	288.778	308.232	286.202	264.558
68.5	249.935	281.306	298.827	272.610	248.905
69.0	242.012	273.705	289.100	258.631	233.509
69.5	234.218	266.104	279.309	244.460	217.920
70.0	226.617	258.438	269.518	230.288	203.105
70.5	218.951	250.708	259.211	216.761	188.547
71.0	211.543	243.107	248.840	202.976	174.504
71.5	204.200	235.506	238.147	189.706	161.041
72.0	196.856	227.905	227.518	176.952	148.415
72.5	189.448	220.175	216.503	164.712	136.369
73.0	182.234	212.509	205.037	152.924	125.483
73.5	175.084	204.844	193.700	141.909	115.112
74.0	168.062	197.243	182.620	131.345	105.578
74.5	160.912	189.320	171.605	121.618	96.818
75.0	153.891	181.525	160.719	112.729	88.766
75.5	147.127	173.538	150.154	104.354	81.551
76.0	140.363	165.679	140.105	96.367	74.594
76.5	133.664	157.820	130.572	89.217	68.603
77.0	127.158	150.026	121.554	82.711	63.192
77.5	120.652	142.360	113.051	76.784	58.232
78.0	114.210	134.630	105.256	71.309	53.788
78.5	108.155	127.287	97.977	66.220	49.665
79.0	102.358	120.136	91.149	61.453	45.929
79.5	96.753	113.244	84.836	57.202	42.579
80.0	91.342	106.802	78.910	53.208	39.552
80.5	85.738	100.683	73.370	49.407	36.846
81.0	80.134	94.628	68.152	45.929	34.269
81.5	74.787	88.572	63.128	42.579	32.015
82.0	69.312	82.711	58.297	39.487	29.631
82.5	63.837	76.720	53.659	36.331	27.248

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CANDELA TABULATION - (Cont.)

83.0	58.232	70.600	49.150	33.110	25.058
83.5	52.886	64.610	44.705	30.082	23.061
84.0	47.475	58.619	40.389	27.184	21.129
84.5	42.128	52.370	36.009	24.285	19.325
85.0	36.782	46.122	31.564	21.579	17.650
85.5	31.757	39.809	27.248	19.067	16.362
86.0	26.797	33.561	23.061	16.877	15.267
86.5	22.030	27.377	18.938	14.816	13.978
87.0	17.714	21.515	15.073	12.626	12.239
87.5	13.785	16.104	11.724	10.113	9.727
88.0	10.371	11.402	8.567	8.116	8.439
88.5	7.215	7.666	6.248	6.506	6.957
89.0	4.445	4.960	4.380	4.316	4.445
89.5	3.672	3.801	3.736	4.316	4.251
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-L30-930-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-L30-930-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	296.84	N.A.	12.00
0-30	638.62	N.A.	25.80
0-40	1062.66	N.A.	42.90
0-60	1945.95	N.A.	78.60
0-80	2437.95	N.A.	98.50
0-90	2474.54	N.A.	100.00
10-90	2398.44	N.A.	96.90
20-40	765.82	N.A.	30.90
20-50	1219.87	N.A.	49.30
40-70	1217.87	N.A.	49.20
60-80	492.00	N.A.	19.90
70-80	157.42	N.A.	6.40
80-90	36.60	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	2474.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.10
10-20	220.74
20-30	341.78
30-40	424.04
40-50	454.06
50-60	429.23
60-70	334.58
70-80	157.42
80-90	36.60
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-L30-930-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	88	90	88	86	84
2	99	90	83	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-L30-930-DIM-UNV_.IES

UGR TABLE - CORRECTED

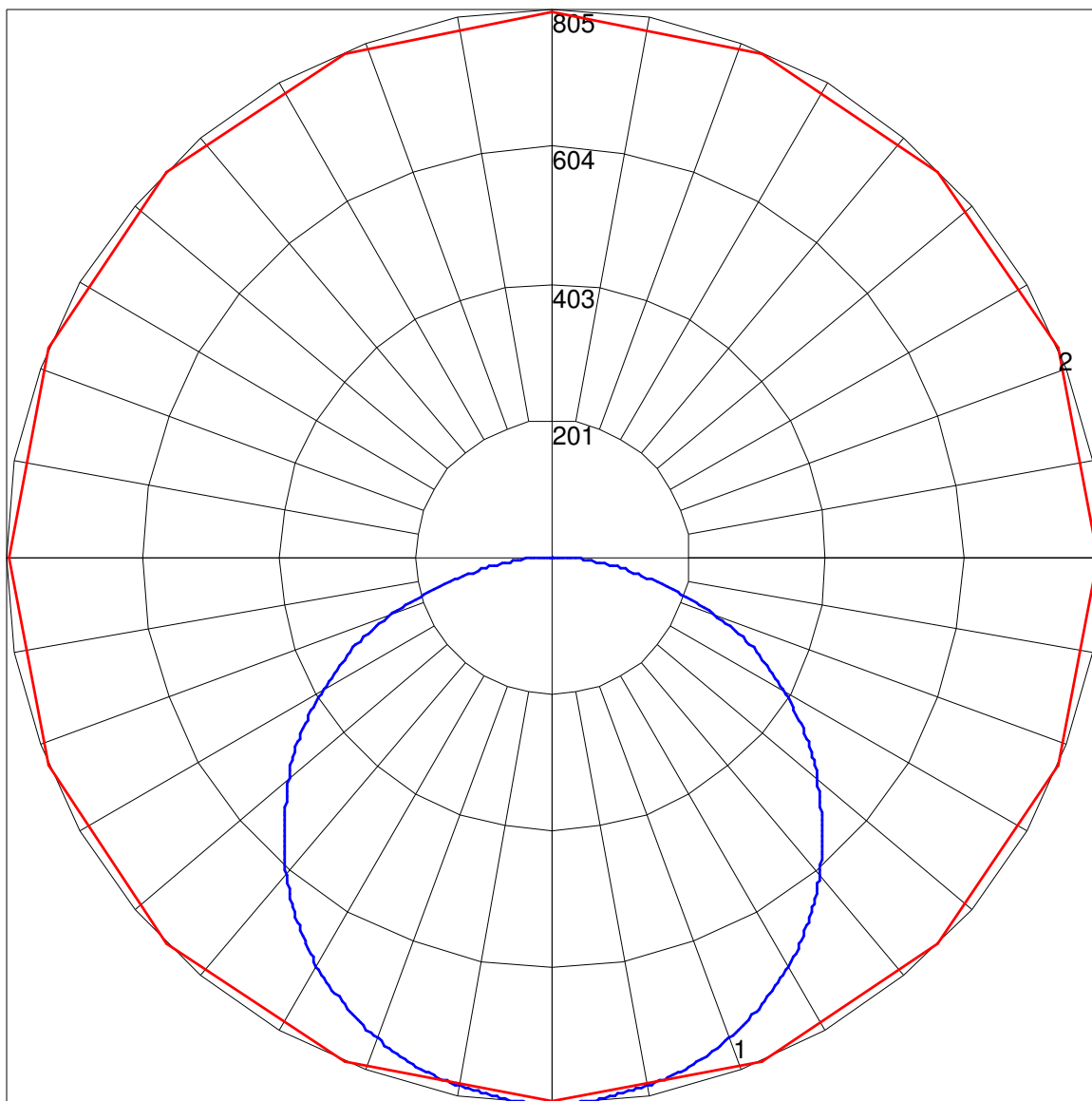
Reflectances

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 = 805.204 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.)