



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-940-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 2025-04-25
 [TEST DATE] 3/18/2025
 [MANUFAC] WILLIAMS INDOOR
 [MORE] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] BAR-14-L30-940-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	2537
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
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	2734	2612	2432
55	2705	2395	2070
65	2697	2019	1638
75	2576	1419	1150
85	1667	840	882

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-940-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	910.286	910.286	910.286	910.286	910.286
0.5	908.680	910.687	909.483	911.088	911.891
1.0	908.680	910.286	909.082	910.687	911.490
1.5	908.279	910.286	908.680	910.286	911.088
2.0	908.279	909.884	908.279	909.884	910.687
2.5	907.877	909.483	907.877	909.483	909.884
3.0	907.877	909.082	907.075	908.680	909.082
3.5	907.476	908.680	906.673	907.877	908.680
4.0	907.075	908.279	905.871	907.476	907.877
4.5	906.673	907.877	905.068	906.673	907.075
5.0	906.272	907.075	904.265	905.871	905.871
5.5	905.871	906.272	903.463	905.068	905.068
6.0	905.469	905.469	902.660	903.864	904.265
6.5	904.667	904.667	901.857	903.061	903.463
7.0	903.864	903.864	900.653	902.258	902.258
7.5	903.061	902.660	899.850	901.054	901.456
8.0	902.258	901.857	898.646	900.252	900.252
8.5	901.456	900.653	897.442	899.048	899.449
9.0	900.252	899.449	896.639	897.843	898.245
9.5	899.449	898.245	895.435	896.639	897.041
10.0	898.245	897.041	893.830	895.435	895.837
10.5	897.041	895.837	892.626	893.830	894.633
11.0	895.435	894.231	891.422	892.626	893.428
11.5	894.231	893.027	889.816	891.422	891.823
12.0	893.027	891.422	888.211	889.816	890.218
12.5	891.422	889.816	886.605	888.211	888.612
13.0	889.816	888.211	885.000	886.605	887.007
13.5	888.211	886.605	883.394	885.000	885.401
14.0	886.204	884.599	881.388	883.394	883.796
14.5	884.599	882.592	879.782	881.388	882.190
15.0	882.592	880.986	877.775	879.381	880.184
15.5	880.585	878.980	875.769	877.374	878.177
16.0	878.578	876.571	873.360	875.367	876.170
16.5	876.571	874.565	871.354	872.959	874.163
17.0	874.565	872.558	868.946	870.551	871.755
17.5	872.558	870.150	866.939	868.143	869.347
18.0	870.551	868.143	864.531	865.735	866.537
18.5	868.143	865.735	862.122	863.326	864.129
19.0	866.136	863.326	859.714	860.517	860.918
19.5	863.728	860.918	856.905	857.707	858.109
20.0	861.320	858.510	854.497	854.898	854.898
20.5	858.510	856.102	851.687	852.088	851.687
21.0	856.102	853.292	848.877	848.877	848.476
21.5	853.694	850.483	846.068	845.667	845.265
22.0	850.884	847.673	843.258	842.857	842.054
22.5	848.075	844.864	840.048	839.245	838.843
23.0	845.265	842.054	837.238	836.034	835.633
23.5	842.456	838.843	834.027	832.823	832.020
24.0	839.245	835.633	830.816	829.211	828.408
24.5	836.034	832.422	827.605	825.599	824.796
25.0	832.823	828.809	823.993	822.388	821.585
25.5	829.612	825.599	820.782	818.775	817.973
26.0	826.401	821.986	817.170	815.163	814.360
26.5	822.789	818.374	813.558	811.551	810.748

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-940-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	819.177	814.762	809.946	807.939	806.735
27.5	815.565	810.748	806.333	803.925	802.721
28.0	811.551	807.136	802.721	799.911	798.707
28.5	807.939	803.122	798.707	795.497	794.292
29.0	803.925	799.109	794.694	791.483	789.877
29.5	799.911	795.497	790.680	786.667	785.463
30.0	795.898	791.483	786.667	782.252	780.245
30.5	791.884	787.068	782.252	777.435	775.027
31.0	787.871	783.054	777.837	772.619	769.809
31.5	783.857	778.639	773.422	767.401	764.592
32.0	779.442	774.626	769.007	762.184	758.973
32.5	775.027	770.211	764.190	756.966	753.354
33.0	771.014	765.796	759.374	751.748	747.735
33.5	766.197	761.381	754.558	746.129	741.714
34.0	761.782	756.966	749.340	740.510	735.694
34.5	757.367	752.551	744.524	734.490	729.673
35.0	752.952	747.735	739.306	728.871	723.252
35.5	748.537	742.918	734.088	722.850	717.231
36.0	743.721	738.102	728.871	716.830	710.809
36.5	738.905	733.286	723.252	710.809	703.986
37.0	734.088	728.068	718.034	704.388	697.565
37.5	729.272	723.252	712.415	697.966	690.741
38.0	724.054	718.034	706.796	691.544	683.918
38.5	718.837	712.816	700.775	685.122	677.095
39.0	713.619	707.599	695.156	678.299	669.871
39.5	708.000	702.381	689.136	671.075	663.048
40.0	702.782	696.762	683.116	663.850	655.422
40.5	697.565	691.143	677.095	656.626	647.395
41.0	691.946	685.524	670.673	649.401	639.769
41.5	686.326	679.905	664.653	641.775	632.143
42.0	680.707	674.286	657.830	634.551	624.517
42.5	675.088	668.667	651.408	626.524	616.490
43.0	669.068	662.646	644.585	618.898	607.660
43.5	663.048	657.027	637.762	610.871	599.633
44.0	657.429	650.605	630.939	602.843	591.204
44.5	651.408	644.585	623.714	594.816	582.374
45.0	645.789	638.565	616.891	586.789	574.347
45.5	639.769	632.544	609.667	578.762	565.918
46.0	633.748	626.122	602.442	570.333	557.490
46.5	627.728	620.102	594.816	561.905	548.660
47.0	621.707	613.680	587.592	553.476	539.830
47.5	615.687	607.258	580.367	545.048	531.401
48.0	609.667	600.837	572.741	536.619	522.571
48.5	603.245	594.816	565.116	528.190	513.741
49.0	596.823	587.993	557.490	519.762	504.912
49.5	590.401	581.571	549.463	510.932	495.680
50.0	583.980	575.150	541.435	502.102	486.850
50.5	577.959	568.326	533.809	493.673	478.020
51.0	571.136	561.905	525.381	484.843	469.190
51.5	564.714	555.082	517.354	476.415	460.361
52.0	558.292	548.258	509.326	467.184	451.531
52.5	551.469	541.435	501.299	458.354	442.299
53.0	544.646	534.612	492.871	449.122	433.469
53.5	538.224	527.388	484.041	439.891	424.238
54.0	531.803	520.565	476.014	431.061	414.605
54.5	524.980	513.340	467.585	421.830	405.374

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-940-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	518.156	506.116	458.755	413.000	396.665
55.5	511.333	498.891	449.925	403.769	387.433
56.0	504.510	491.667	441.095	394.858	378.162
56.5	497.687	484.041	432.265	385.748	368.810
57.0	491.265	476.816	423.435	376.396	359.860
57.5	484.442	469.592	414.605	367.245	351.030
58.0	477.619	461.966	405.374	358.295	342.120
58.5	470.796	454.340	396.223	349.264	333.290
59.0	464.374	446.714	386.952	340.394	324.701
59.5	457.551	439.088	377.961	331.484	317.275
60.0	450.728	431.061	368.971	323.697	308.807
60.5	443.905	423.435	360.061	315.469	301.462
61.0	437.483	415.809	351.150	307.322	293.033
61.5	430.258	407.782	342.401	300.298	284.926
62.0	423.435	400.076	333.852	291.910	276.578
62.5	416.612	392.209	325.664	283.722	268.510
63.0	409.789	384.062	317.797	275.614	260.603
63.5	402.565	376.035	309.850	267.627	252.937
64.0	395.420	367.767	302.385	259.720	245.633
64.5	388.156	359.699	293.716	251.854	238.448
65.0	380.771	351.311	285.046	244.268	231.184
65.5	373.185	342.682	276.377	236.482	224.080
66.0	365.840	333.892	267.547	228.856	216.895
66.5	358.295	325.624	258.757	221.190	209.671
67.0	350.829	317.436	250.128	213.644	202.446
67.5	343.203	309.730	241.499	206.099	195.302
68.0	335.256	301.341	232.829	198.714	188.238
68.5	327.149	292.431	224.200	191.088	181.134
69.0	319.965	283.120	215.691	183.502	174.271
69.5	313.744	273.607	206.982	176.157	167.327
70.0	306.318	264.175	198.393	169.053	160.624
70.5	298.010	254.623	190.004	162.110	153.882
71.0	289.702	245.111	181.856	155.246	147.580
71.5	281.113	235.518	173.910	148.704	141.359
72.0	272.845	226.086	165.882	142.202	135.138
72.5	264.577	216.654	158.056	135.820	128.837
73.0	256.229	207.303	150.631	129.599	122.656
73.5	247.840	198.071	143.406	123.298	116.595
74.0	239.452	189.001	136.342	117.077	110.695
74.5	231.103	179.769	129.439	111.016	104.916
75.0	222.675	170.819	122.656	104.916	99.417
75.5	214.046	161.909	116.234	99.176	94.239
76.0	205.577	153.119	109.933	93.597	89.222
76.5	197.068	144.490	103.671	88.299	84.205
77.0	188.680	135.941	97.611	83.242	79.510
77.5	180.090	127.713	91.631	78.386	74.894
78.0	171.301	119.726	85.731	73.650	70.479
78.5	162.712	111.819	79.991	68.994	66.345
79.0	153.882	104.233	74.493	64.619	62.211
79.5	145.092	96.888	69.195	60.324	58.237
80.0	136.021	89.744	64.137	56.231	54.424
80.5	127.071	82.921	59.321	52.378	50.852
81.0	118.040	76.299	54.746	48.645	47.682
81.5	108.809	69.837	50.290	45.153	44.752
82.0	99.618	63.656	45.916	42.022	41.782
82.5	90.386	57.716	41.862	38.972	38.531

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-14-L30-940-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	81.436	52.016	37.888	35.761	35.119
83.5	72.285	46.156	34.397	32.269	31.988
84.0	63.696	40.738	31.105	29.139	29.500
84.5	55.629	35.721	27.814	26.690	27.453
85.0	48.524	30.985	24.443	24.644	25.687
85.5	41.862	26.490	21.433	22.797	23.761
86.0	35.440	22.396	18.904	20.670	21.473
86.5	29.219	18.663	16.777	18.222	18.663
87.0	23.439	15.252	14.610	15.332	15.533
87.5	18.141	12.201	12.081	12.282	12.322
88.0	13.245	9.432	9.352	9.392	9.552
88.5	8.990	6.984	6.783	6.944	7.104
89.0	5.459	4.656	4.375	4.656	4.897
89.5	2.328	2.488	2.328	2.649	2.729
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-14-L30-940-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-14-L30-940-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-14-L30-940-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-14-L30-940-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	334.60	N.A.	13.20
0-30	715.19	N.A.	28.20
0-40	1176.79	N.A.	46.40
0-60	2058.7	N.A.	81.20
0-80	2501.49	N.A.	98.60
0-90	2536.8	N.A.	100.00
10-90	2450.65	N.A.	96.60
20-40	842.19	N.A.	33.20
20-50	1314.52	N.A.	51.80
40-70	1174.97	N.A.	46.30
60-80	442.79	N.A.	17.50
70-80	149.72	N.A.	5.90
80-90	35.31	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	2536.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.15
10-20	248.45
20-30	380.59
30-40	461.60
40-50	472.32
50-60	409.58
60-70	293.07
70-80	149.72
80-90	35.31
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-L30-940-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-L30-940-DIM-UNV_.IES

UGR TABLE - CORRECTED

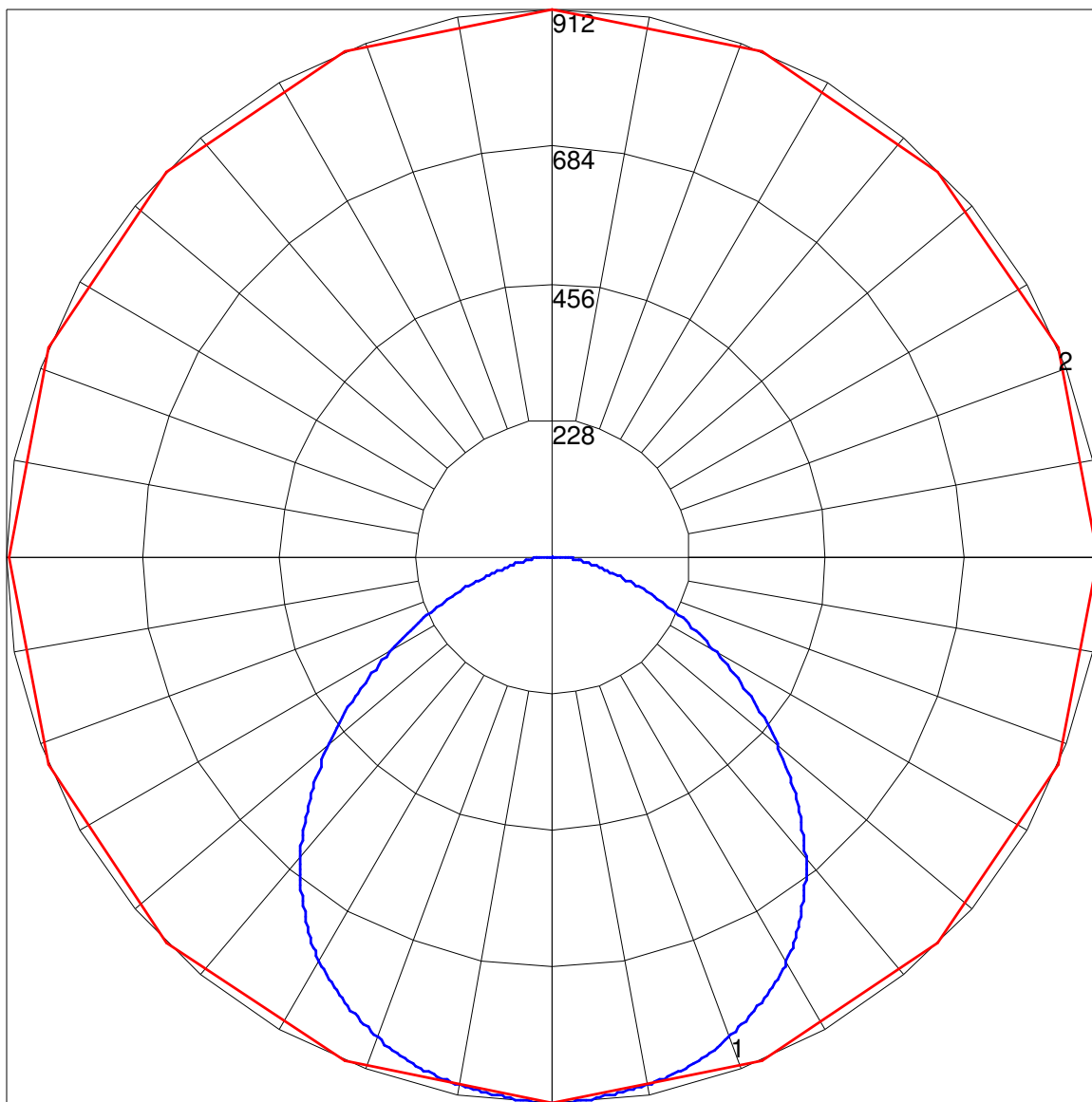
Reflectances

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	15.9	17.6	16.3	17.9	18.2	14.1	15.7	14.5	16.0	16.4
	3H	17.9	19.4	18.3	19.7	20.1	15.4	16.9	15.8	17.2	17.6
	4H	18.7	20.0	19.1	20.4	20.8	15.8	17.2	16.2	17.5	17.9
	6H	19.2	20.5	19.6	20.9	21.3	16.0	17.3	16.5	17.7	18.1
	8H	19.4	20.6	19.8	21.0	21.4	16.1	17.3	16.6	17.7	18.1
	12H	19.5	20.7	19.9	21.0	21.5	16.2	17.3	16.6	17.7	18.1
4H	2H	16.3	17.7	16.7	18.0	18.4	14.8	16.2	15.2	16.6	16.9
	3H	18.5	19.6	18.9	20.0	20.4	16.3	17.5	16.7	17.9	18.3
	4H	19.3	20.4	19.8	20.8	21.2	16.8	17.8	17.2	18.2	18.7
	6H	20.0	20.9	20.5	21.4	21.8	17.1	18.0	17.6	18.5	18.9
	8H	20.2	21.1	20.7	21.5	22.0	17.2	18.0	17.7	18.5	19.0
	12H	20.4	21.1	20.9	21.6	22.1	17.3	18.0	17.8	18.5	19.0
8H	4H	19.4	20.3	19.9	20.7	21.2	17.1	17.9	17.6	18.4	18.9
	6H	20.2	20.9	20.7	21.4	21.8	17.5	18.2	18.0	18.7	19.2
	8H	20.4	21.1	20.9	21.6	22.1	17.7	18.3	18.2	18.8	19.3
	12H	20.6	21.2	21.1	21.7	22.2	17.8	18.3	18.3	18.8	19.4
12H	4H	19.4	20.2	19.9	20.7	21.1	17.2	17.9	17.6	18.4	18.8
	6H	20.2	20.8	20.7	21.3	21.8	17.6	18.2	18.1	18.7	19.2
	8H	20.4	21.0	21.0	21.5	22.1	17.7	18.3	18.2	18.8	19.3

Maximum UGR = 22.2

POLAR GRAPH



Maximum Candela = 911.891 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.)