



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BAR-24-L40-935-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GENERATED FROM 15729805.03
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 2025-04-25
 [TESTDATE] 3/18/2025
 [MANUFAC] WILLIAMS INDOOR
 [MORE] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] BAR-24-L40-935-DIM-UNV_
 [LUMINAIRE] Recessed 2 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	3409
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	31.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 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	1555	1663	1731
55	1529	1693	1751
65	1491	1691	1557
75	1339	1152	647
85	903	472	392

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L40-935-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	1089.467	1089.467	1089.467	1089.467	1089.467
0.5	1088.584	1089.467	1088.584	1090.349	1091.232
1.0	1088.143	1089.026	1088.143	1089.908	1091.232
1.5	1088.143	1089.026	1087.702	1089.908	1090.791
2.0	1087.702	1088.584	1087.702	1089.467	1090.349
2.5	1087.702	1088.143	1087.260	1089.026	1089.908
3.0	1087.260	1087.702	1086.378	1088.143	1089.467
3.5	1086.819	1087.260	1085.937	1087.702	1088.584
4.0	1086.819	1086.819	1085.054	1087.260	1088.143
4.5	1085.937	1085.937	1084.613	1086.819	1087.702
5.0	1085.495	1085.495	1083.730	1085.937	1086.819
5.5	1085.054	1084.613	1083.289	1085.495	1086.378
6.0	1084.172	1083.730	1082.407	1085.054	1085.937
6.5	1083.289	1082.407	1081.524	1084.172	1085.495
7.0	1082.407	1081.524	1081.083	1083.730	1085.054
7.5	1081.524	1080.642	1079.759	1082.848	1084.172
8.0	1080.200	1079.318	1078.877	1082.407	1083.730
8.5	1079.318	1077.994	1077.994	1081.524	1083.289
9.0	1077.994	1077.112	1077.112	1081.083	1082.848
9.5	1076.670	1075.788	1076.229	1080.200	1081.965
10.0	1074.905	1074.464	1074.905	1079.318	1081.524
10.5	1074.023	1072.699	1074.023	1078.877	1081.083
11.0	1072.258	1071.375	1072.699	1077.994	1080.200
11.5	1070.493	1069.610	1071.375	1077.112	1079.318
12.0	1068.728	1067.845	1070.051	1076.229	1078.877
12.5	1066.963	1066.080	1068.728	1075.347	1077.553
13.0	1064.756	1064.315	1067.404	1074.464	1077.112
13.5	1062.991	1062.550	1066.080	1073.140	1076.229
14.0	1060.785	1060.344	1064.315	1071.816	1075.347
14.5	1058.137	1058.579	1062.550	1070.493	1074.464
15.0	1056.372	1056.372	1060.785	1069.610	1073.140
15.5	1053.725	1053.725	1059.020	1067.845	1072.258
16.0	1051.519	1051.519	1057.255	1066.521	1070.493
16.5	1049.312	1049.312	1055.490	1064.756	1069.169
17.0	1046.665	1046.665	1053.284	1062.991	1067.845
17.5	1044.017	1044.458	1051.077	1061.226	1066.080
18.0	1041.370	1041.811	1049.312	1059.461	1064.315
18.5	1038.722	1039.605	1047.106	1057.255	1062.109
19.0	1035.633	1036.957	1044.900	1055.490	1059.902
19.5	1032.986	1033.868	1042.693	1053.284	1057.696
20.0	1029.897	1031.221	1040.487	1051.077	1055.490
20.5	1026.808	1028.573	1037.840	1048.871	1053.284
21.0	1023.719	1025.484	1035.192	1046.665	1050.636
21.5	1020.189	1022.396	1032.544	1044.017	1048.430
22.0	1017.100	1019.307	1029.897	1041.811	1046.223
22.5	1013.570	1016.218	1027.249	1039.163	1044.017
23.0	1010.482	1013.129	1024.602	1036.957	1041.811
23.5	1006.510	1009.599	1021.513	1034.309	1039.163
24.0	1002.539	1006.069	1018.424	1031.662	1036.957
24.5	999.009	1002.539	1015.335	1029.456	1034.751
25.0	995.037	999.009	1012.688	1026.808	1032.103
25.5	991.066	995.037	1009.158	1024.161	1029.897
26.0	987.095	991.066	1006.069	1021.513	1027.691
26.5	982.682	987.095	1002.980	1018.865	1025.043

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L40-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	978.270	983.124	999.450	1016.218	1022.396
27.5	973.857	978.711	996.361	1013.129	1019.748
28.0	969.003	974.740	992.831	1010.040	1017.100
28.5	964.591	970.327	989.301	1006.951	1014.012
29.0	959.737	965.914	985.330	1003.421	1010.923
29.5	954.883	961.502	981.800	999.891	1007.393
30.0	950.029	957.089	977.828	996.361	1003.863
30.5	944.734	952.235	973.857	992.831	1000.333
31.0	939.880	947.823	969.445	988.860	996.361
31.5	935.026	942.969	965.473	984.889	992.390
32.0	929.731	938.556	961.061	980.917	988.419
32.5	924.436	933.703	956.648	976.505	984.447
33.0	919.582	928.407	952.235	972.533	980.035
33.5	913.846	923.554	947.823	968.121	976.063
34.0	908.551	918.259	942.969	963.708	971.651
34.5	902.815	913.405	938.115	959.296	967.238
35.0	897.078	908.110	933.703	954.883	962.826
35.5	891.783	902.815	928.849	950.470	958.413
36.0	885.605	897.519	923.995	945.617	954.000
36.5	879.428	892.224	918.700	941.204	949.147
37.0	873.250	886.488	913.846	936.350	944.293
37.5	867.514	881.193	908.551	931.496	939.439
38.0	861.336	875.015	903.697	926.201	934.585
38.5	855.159	869.279	898.402	921.347	929.731
39.0	848.981	863.543	892.666	916.052	924.436
39.5	842.803	857.806	887.370	910.757	919.141
40.0	836.184	852.070	882.075	905.462	913.846
40.5	830.007	845.451	876.339	899.726	908.551
41.0	823.388	839.273	870.603	893.989	902.815
41.5	816.769	833.096	864.425	888.694	897.078
42.0	810.150	826.918	858.689	882.517	891.342
42.5	803.531	820.299	852.511	876.780	885.164
43.0	796.471	813.680	846.333	871.044	879.428
43.5	789.411	807.061	840.156	864.866	873.250
44.0	782.351	800.443	833.978	858.689	867.073
44.5	775.291	793.824	827.359	852.070	860.895
45.0	767.789	786.764	821.182	845.892	854.717
45.5	760.729	780.145	815.004	839.273	848.098
46.0	753.228	773.085	808.385	832.654	841.038
46.5	745.727	766.024	801.766	826.036	834.419
47.0	737.784	758.964	794.706	818.975	827.359
47.5	730.283	751.904	788.087	812.357	820.740
48.0	722.781	744.844	781.027	805.296	813.239
48.5	714.838	738.225	774.408	798.678	806.179
49.0	707.337	730.724	767.348	791.617	798.678
49.5	699.836	723.664	760.288	784.116	791.176
50.0	692.334	716.603	753.228	776.615	784.116
50.5	684.392	709.543	746.168	769.113	776.615
51.0	676.890	702.042	738.666	761.612	768.672
51.5	668.948	694.541	731.606	754.110	760.729
52.0	661.005	687.039	724.105	746.168	752.787
52.5	653.062	679.538	716.603	738.225	744.844
53.0	645.120	672.036	709.102	730.283	736.460
53.5	637.177	664.535	701.601	722.340	727.635
54.0	629.234	657.034	693.658	713.956	718.810
54.5	620.850	649.532	686.157	705.572	709.985

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L40-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	612.467	642.031	678.214	696.747	701.159
55.5	604.524	634.088	669.830	687.922	691.893
56.0	596.140	626.146	661.887	678.655	682.627
56.5	587.756	618.203	653.504	669.830	672.919
57.0	579.372	610.260	645.120	660.122	662.770
57.5	570.547	602.318	636.736	650.856	652.180
58.0	562.163	593.934	628.352	641.148	642.031
58.5	553.779	585.991	619.527	631.441	630.999
59.0	545.395	578.048	610.702	621.292	620.409
59.5	537.011	570.106	602.318	610.702	609.378
60.0	528.186	562.163	593.492	600.553	597.464
60.5	519.802	554.220	584.667	589.962	585.991
61.0	510.977	545.837	576.283	579.372	573.636
61.5	502.593	537.894	567.458	568.341	561.281
62.0	493.768	529.510	558.192	557.309	548.043
62.5	484.943	521.567	548.484	545.395	534.805
63.0	476.118	513.183	539.218	533.481	521.126
63.5	467.293	504.358	529.510	521.126	506.565
64.0	458.467	495.974	519.802	507.888	491.562
64.5	449.201	487.590	509.212	494.651	476.118
65.0	439.979	478.765	499.063	480.089	459.350
65.5	430.668	469.940	488.473	464.645	441.700
66.0	421.049	460.674	477.000	448.760	423.123
66.5	411.341	451.407	465.528	432.654	404.325
67.0	401.722	441.700	454.055	415.136	384.645
67.5	391.837	432.389	441.700	397.530	364.832
68.0	381.821	422.814	428.727	379.173	346.079
68.5	371.804	413.018	415.577	360.773	327.237
69.0	361.567	403.089	401.986	342.461	307.028
69.5	352.036	393.205	388.087	324.192	286.553
70.0	343.211	383.233	373.834	304.601	266.829
70.5	334.694	372.996	359.979	285.009	247.590
71.0	324.413	362.979	345.285	265.638	229.234
71.5	313.911	354.242	330.282	246.531	211.892
72.0	303.542	343.917	314.882	228.175	195.036
72.5	293.172	334.783	297.452	210.392	178.886
73.0	282.714	324.678	280.155	193.845	164.325
73.5	272.654	314.044	262.019	178.533	150.999
74.0	262.505	303.321	244.192	163.927	138.776
74.5	252.400	292.245	226.145	150.381	127.480
75.0	241.986	281.082	208.230	137.849	116.933
75.5	231.969	269.609	190.977	126.244	107.535
76.0	222.306	257.871	174.253	115.698	98.709
76.5	212.157	246.266	158.544	106.123	90.811
77.0	202.361	234.220	144.071	97.342	83.618
77.5	192.212	222.129	130.745	89.487	77.044
78.0	182.504	209.686	118.434	82.471	71.351
78.5	172.753	196.536	107.314	75.896	66.056
79.0	163.001	183.387	97.518	69.895	61.026
79.5	153.381	170.017	88.516	64.468	56.613
80.0	143.938	156.382	80.397	59.482	52.686
80.5	134.451	142.438	73.072	55.025	49.112
81.0	124.788	128.759	66.321	50.877	45.847
81.5	115.301	115.080	60.144	47.126	42.670
82.0	106.078	101.975	54.584	43.596	39.448
82.5	96.944	89.973	49.553	40.155	36.404

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L40-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	87.634	78.853	44.920	36.624	33.447
83.5	78.676	69.189	40.728	33.403	30.756
84.0	70.028	60.585	36.624	30.359	28.241
84.5	62.217	52.951	32.609	27.446	25.902
85.0	54.981	46.111	28.726	24.843	23.872
85.5	48.362	39.846	25.108	22.548	22.284
86.0	41.567	34.065	21.754	20.651	20.827
86.5	34.904	28.682	18.709	18.709	18.930
87.0	28.285	23.431	16.106	16.371	16.150
87.5	22.107	18.489	13.591	13.282	13.061
88.0	16.415	13.944	10.634	10.678	11.031
88.5	11.340	9.752	7.634	8.472	8.605
89.0	7.060	6.089	5.119	5.207	5.163
89.5	3.354	3.133	2.427	2.427	2.250
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-24-L40-935-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-24-L40-935-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-24-L40-935-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-24-L40-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	403.70	N.A.	11.80
0-30	871.07	N.A.	25.60
0-40	1454.26	N.A.	42.70
0-60	2680.3	N.A.	78.60
0-80	3365.48	N.A.	98.70
0-90	3408.8	N.A.	100.00
10-90	3305.47	N.A.	97.00
20-40	1050.56	N.A.	30.80
20-50	1680.19	N.A.	49.30
40-70	1691.86	N.A.	49.60
60-80	685.19	N.A.	20.10
70-80	219.36	N.A.	6.40
80-90	43.31	N.A.	1.30
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	3408.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.33
10-20	300.37
20-30	467.37
30-40	583.19
40-50	629.63
50-60	596.41
60-70	465.82
70-80	219.36
80-90	43.31
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-24-L40-935-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	98	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	39	51	44	39	50	44	39	37
7	64	50	41	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

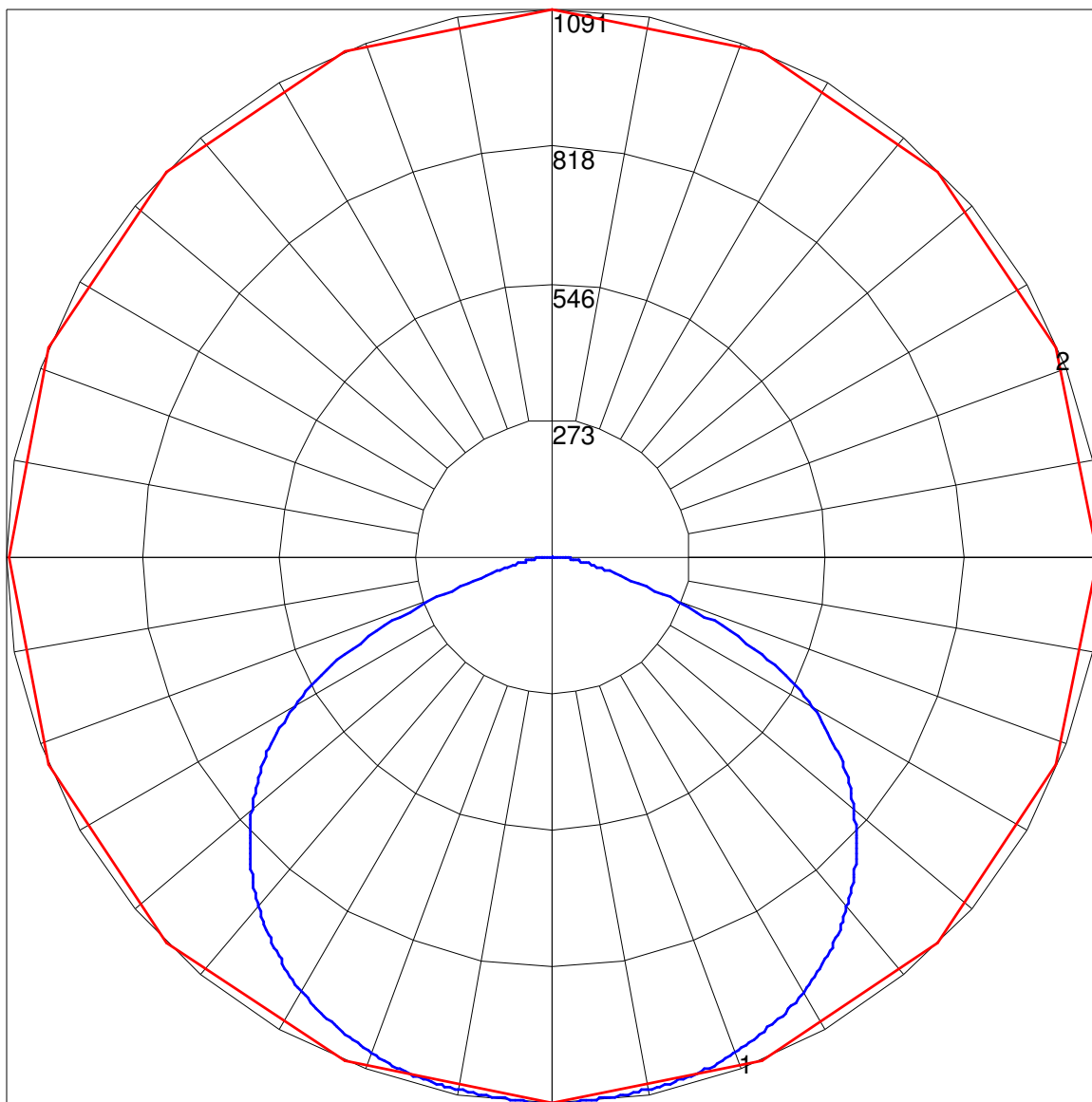
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BAR-24-L40-935-DIM-UNV_.IES

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	14.0	15.7	14.4	16.0	16.3	14.6	16.3	15.0	16.6	16.9
	3H	16.0	17.5	16.4	17.8	18.2	16.0	17.5	16.4	17.8	18.2
	4H	16.7	18.1	17.1	18.5	18.9	16.1	17.6	16.5	17.9	18.3
	6H	17.2	18.6	17.7	18.9	19.3	16.2	17.5	16.6	17.9	18.3
	8H	17.4	18.6	17.8	19.0	19.4	16.2	17.5	16.6	17.9	18.3
	12H	17.4	18.7	17.9	19.0	19.5	16.2	17.4	16.6	17.8	18.2
4H	2H	14.8	16.2	15.2	16.6	17.0	15.3	16.7	15.7	17.0	17.4
	3H	17.0	18.2	17.4	18.6	19.0	16.8	18.0	17.2	18.4	18.8
	4H	17.9	19.0	18.3	19.4	19.8	17.1	18.1	17.5	18.5	19.0
	6H	18.6	19.5	19.0	19.9	20.4	17.2	18.1	17.6	18.5	19.0
	8H	18.7	19.6	19.2	20.0	20.5	17.2	18.0	17.6	18.5	19.0
	12H	18.8	19.6	19.3	20.1	20.6	17.2	18.0	17.7	18.4	18.9
8H	4H	18.1	19.0	18.6	19.4	19.9	17.3	18.2	17.8	18.6	19.1
	6H	18.8	19.6	19.3	20.1	20.5	17.5	18.2	17.9	18.7	19.1
	8H	19.1	19.7	19.6	20.2	20.7	17.5	18.1	18.0	18.6	19.1
	12H	19.2	19.8	19.7	20.3	20.8	17.5	18.1	18.0	18.6	19.1
12H	4H	18.1	18.9	18.6	19.4	19.8	17.4	18.1	17.8	18.6	19.1
	6H	18.8	19.5	19.4	20.0	20.5	17.5	18.2	18.0	18.6	19.2
	8H	19.1	19.7	19.6	20.1	20.7	17.5	18.1	18.0	18.6	19.2

Maximum UGR = 20.8

POLAR GRAPH



Maximum Candela = 1091.232 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.)