

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-835-HE-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 4792061012.01
[TESTLAB] UL, LLC
[ISSUE DATE] 2025-12-23
[TEST DATE] 12/12/2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] 75W-8-L170-835-HE-DIM-UNV
[LUMINAIRE] 75W WIDE LENS LED STRIP LUMINAIRE
[LAMP] LED
[BALLAST] 0-10V DIMMING DRIVER

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16210
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	171
Total Luminaire Watts	94.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.44 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17930	15991	15728
55	15598	13720	13807
65	13212	11789	12305
75	10769	10353	11502
85	8458	10301	12152

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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	5246.313	5246.313	5246.313	5246.313	5246.313
0.5	5221.433	5241.337	5244.654	5242.996	5277.827
1.0	5221.433	5242.996	5242.996	5241.337	5276.169
1.5	5216.457	5242.996	5241.337	5239.678	5277.827
2.0	5214.799	5238.020	5241.337	5238.020	5272.852
2.5	5214.799	5238.020	5236.361	5236.361	5269.534
3.0	5209.823	5233.044	5233.044	5233.044	5266.217
3.5	5206.505	5228.068	5228.068	5229.727	5262.900
4.0	5203.188	5224.751	5224.751	5223.092	5259.582
4.5	5194.895	5219.775	5221.433	5219.775	5254.606
5.0	5189.919	5214.799	5214.799	5214.799	5249.630
5.5	5183.284	5208.164	5208.164	5209.823	5242.996
6.0	5179.967	5199.871	5201.530	5201.530	5236.361
6.5	5168.356	5193.236	5194.895	5194.895	5228.068
7.0	5161.722	5184.943	5186.602	5184.943	5221.433
7.5	5155.087	5174.991	5178.308	5178.308	5213.140
8.0	5146.794	5168.356	5168.356	5168.356	5201.530
8.5	5138.501	5156.746	5160.063	5160.063	5191.578
9.0	5125.232	5148.453	5150.111	5148.453	5179.967
9.5	5116.938	5136.842	5136.842	5136.842	5173.332
10.0	5103.669	5123.573	5123.573	5126.890	5160.063
10.5	5092.059	5111.962	5113.621	5113.621	5148.453
11.0	5080.448	5100.352	5102.010	5100.352	5135.183
11.5	5065.520	5087.083	5090.400	5087.083	5123.573
12.0	5052.251	5072.155	5075.472	5075.472	5108.645
12.5	5038.982	5057.227	5062.203	5058.886	5095.376
13.0	5024.054	5043.958	5047.275	5045.616	5080.448
13.5	5009.126	5027.371	5030.688	5030.688	5067.179
14.0	4990.881	5010.785	5014.102	5014.102	5048.934
14.5	4975.953	4994.198	4997.515	4997.515	5035.664
15.0	4961.025	4977.612	4979.270	4979.270	5015.761
15.5	4942.780	4957.708	4962.684	4962.684	4995.857
16.0	4922.876	4939.463	4944.439	4944.439	4979.270
16.5	4906.290	4919.559	4924.535	4926.193	4961.025
17.0	4883.069	4897.996	4904.631	4906.290	4941.121
17.5	4863.165	4878.093	4884.727	4886.386	4921.218
18.0	4844.920	4858.189	4863.165	4868.141	4902.972
18.5	4823.357	4838.285	4843.261	4846.578	4881.410
19.0	4801.795	4813.405	4821.698	4825.016	4858.189
19.5	4776.915	4793.501	4800.136	4806.771	4836.626
20.0	4750.376	4768.622	4776.915	4781.891	4813.405
20.5	4723.838	4747.059	4753.694	4760.328	4791.843
21.0	4702.276	4720.521	4725.497	4738.766	4768.622
21.5	4677.396	4695.641	4703.934	4710.569	4743.742
22.0	4650.857	4672.420	4680.713	4687.348	4722.179
22.5	4627.636	4642.564	4654.175	4664.127	4697.300
23.0	4599.439	4616.026	4627.636	4637.588	4670.761
23.5	4569.583	4587.829	4602.757	4612.708	4645.881
24.0	4539.728	4559.632	4574.559	4586.170	4619.343
24.5	4514.848	4531.435	4548.021	4557.973	4589.487
25.0	4486.651	4503.237	4521.483	4531.435	4562.949
25.5	4455.137	4475.040	4489.968	4504.896	4531.435
26.0	4425.281	4443.526	4463.430	4476.699	4506.555
26.5	4393.766	4412.012	4435.233	4446.843	4478.358

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CANDELA TABULATION - (Cont.)

27.0	4362.252	4378.839	4407.036	4421.964	4450.161
27.5	4325.762	4347.324	4375.521	4388.791	4421.964
28.0	4299.223	4315.810	4344.007	4358.935	4390.449
28.5	4264.392	4284.296	4312.493	4327.420	4358.935
29.0	4231.219	4251.122	4279.320	4297.565	4329.079
29.5	4196.387	4216.291	4246.147	4264.392	4295.906
30.0	4161.555	4183.118	4212.974	4236.195	4267.709
30.5	4125.065	4146.627	4181.459	4204.680	4234.536
31.0	4090.233	4111.796	4146.627	4171.507	4199.704
31.5	4053.743	4078.623	4113.454	4139.993	4169.849
32.0	4018.911	4040.474	4080.281	4105.161	4135.017
32.5	3980.762	4003.984	4045.450	4071.988	4101.844
33.0	3944.272	3969.152	4007.301	4038.815	4068.671
33.5	3909.440	3932.662	3974.128	4002.325	4033.839
34.0	3867.974	3894.513	3937.637	3969.152	4002.325
34.5	3829.825	3858.022	3902.806	3932.662	3965.835
35.0	3794.993	3818.215	3867.974	3899.488	3931.003
35.5	3750.210	3781.724	3829.825	3862.998	3894.513
36.0	3715.378	3741.917	3793.335	3826.508	3859.681
36.5	3672.253	3702.109	3755.186	3791.676	3826.508
37.0	3632.446	3663.960	3717.037	3753.527	3791.676
37.5	3590.979	3622.494	3680.547	3720.354	3753.527
38.0	3549.513	3582.686	3640.739	3682.205	3713.720
38.5	3506.388	3541.220	3602.590	3647.374	3677.229
39.0	3468.239	3499.754	3562.782	3609.225	3647.374
39.5	3425.114	3461.605	3524.633	3571.076	3607.566
40.0	3378.672	3418.480	3484.826	3536.244	3569.417
40.5	3335.547	3377.013	3446.677	3499.754	3532.927
41.0	3295.740	3335.547	3406.869	3461.605	3494.778
41.5	3252.615	3294.081	3367.062	3423.456	3458.287
42.0	3209.490	3252.615	3327.254	3386.965	3421.797
42.5	3168.023	3209.490	3285.788	3348.816	3383.648
43.0	3121.581	3168.023	3247.639	3312.326	3347.158
43.5	3081.774	3124.898	3206.172	3274.177	3310.667
44.0	3036.990	3081.774	3164.706	3237.687	3272.518
44.5	2995.524	3040.307	3123.240	3197.879	3234.369
45.0	2952.399	2997.182	3083.432	3163.047	3199.538
45.5	2909.274	2955.716	3043.625	3126.557	3163.047
46.0	2866.149	2912.591	3000.500	3086.750	3124.898
46.5	2823.024	2869.466	2964.009	3053.576	3088.408
47.0	2778.240	2828.000	2922.543	3013.769	3051.918
47.5	2735.115	2784.875	2881.077	2975.620	3013.769
48.0	2693.649	2741.750	2839.611	2940.788	2975.620
48.5	2647.207	2700.284	2801.462	2900.981	2939.130
49.0	2605.741	2655.500	2758.337	2862.832	2900.981
49.5	2562.616	2614.034	2718.529	2826.341	2864.490
50.0	2517.832	2570.909	2678.721	2786.534	2826.341
50.5	2476.366	2529.443	2637.255	2753.361	2791.510
51.0	2433.241	2486.318	2600.765	2715.212	2755.019
51.5	2391.775	2443.193	2559.298	2678.721	2718.529
52.0	2346.991	2401.727	2519.491	2640.572	2682.039
52.5	2303.866	2358.602	2481.342	2602.423	2647.207
53.0	2259.083	2317.135	2441.534	2569.250	2609.058
53.5	2215.958	2275.669	2403.385	2531.101	2574.226
54.0	2174.491	2234.203	2365.236	2494.611	2539.395
54.5	2134.684	2191.078	2327.087	2461.438	2504.563

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55.0	2093.218	2151.270	2288.938	2423.289	2473.049
55.5	2058.386	2109.804	2250.789	2388.457	2434.900
56.0	2018.578	2073.314	2214.299	2353.626	2400.068
56.5	1977.112	2035.165	2176.150	2318.794	2366.895
57.0	1937.304	1997.016	2139.660	2283.962	2332.063
57.5	1895.838	1957.208	2108.145	2250.789	2293.914
58.0	1854.372	1917.401	2071.655	2214.299	2265.717
58.5	1814.564	1877.593	2035.165	2182.785	2232.544
59.0	1774.757	1837.785	2000.333	2154.588	2197.713
59.5	1734.949	1799.636	1968.819	2119.756	2171.174
60.0	1695.141	1759.829	1933.987	2086.583	2138.001
60.5	1656.163	1721.680	1899.155	2055.069	2104.828
61.0	1617.019	1683.531	1864.324	2023.554	2073.314
61.5	1578.206	1645.714	1829.492	1992.040	2043.458
62.0	1540.057	1608.228	1796.319	1962.184	2011.944
62.5	1502.406	1571.074	1761.487	1932.328	1982.088
63.0	1464.257	1534.086	1728.314	1900.814	1955.550
63.5	1426.440	1497.596	1696.800	1870.958	1925.694
64.0	1389.618	1461.603	1663.627	1839.444	1895.838
64.5	1352.962	1426.440	1632.113	1809.588	1865.982
65.0	1316.637	1391.111	1600.432	1779.733	1837.785
65.5	1280.810	1356.611	1569.084	1749.877	1807.930
66.0	1244.486	1322.111	1538.067	1720.021	1779.733
66.5	1208.991	1288.440	1507.216	1691.824	1751.535
67.0	1174.325	1255.101	1476.531	1661.968	1723.338
67.5	1139.493	1222.260	1446.510	1634.103	1695.141
68.0	1105.159	1190.248	1416.654	1605.906	1668.603
68.5	1071.323	1158.402	1387.462	1578.538	1640.903
69.0	1037.652	1126.887	1358.601	1551.005	1614.697
69.5	1004.479	1096.037	1330.072	1524.300	1588.656
70.0	971.472	1065.683	1302.041	1498.094	1562.781
70.5	939.294	1035.662	1274.010	1471.887	1537.238
71.0	907.448	1005.972	1246.476	1446.012	1512.026
71.5	875.934	976.945	1219.606	1420.800	1487.146
72.0	845.083	947.753	1192.736	1395.755	1462.930
72.5	814.066	919.556	1166.529	1371.207	1438.880
73.0	783.878	891.525	1140.488	1346.990	1414.663
73.5	754.520	863.825	1115.277	1322.940	1391.111
74.0	725.494	836.955	1089.734	1299.719	1367.392
74.5	696.965	809.919	1065.352	1276.664	1345.000
75.0	668.602	783.547	1041.135	1254.106	1323.272
75.5	640.737	757.838	1017.251	1231.714	1301.212
76.0	613.701	732.626	994.030	1209.488	1279.649
76.5	586.831	707.746	970.974	1187.760	1258.087
77.0	560.292	683.032	948.251	1166.198	1237.188
77.5	534.251	658.982	925.859	1145.299	1216.455
78.0	508.542	635.429	904.131	1124.731	1196.053
78.5	483.331	612.208	882.568	1103.998	1175.818
79.0	458.617	589.650	861.669	1083.928	1155.914
79.5	434.069	567.259	841.102	1064.356	1136.010
80.0	409.853	545.199	820.535	1044.950	1117.101
80.5	386.300	523.802	800.631	1025.378	1097.861
81.0	363.410	502.737	781.556	1006.469	1079.118
81.5	340.189	482.170	762.482	987.727	1060.376
82.0	317.798	462.100	743.905	969.647	1042.296
82.5	295.903	442.362	725.660	951.568	1024.549

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83.0	274.341	423.122	707.746	934.152	1007.299
83.5	252.944	404.379	690.662	916.405	989.385
84.0	232.045	386.134	674.076	899.652	972.301
84.5	211.312	368.552	657.821	883.066	955.549
85.0	191.408	351.468	641.898	866.645	938.796
85.5	171.505	335.213	626.307	850.722	922.542
86.0	151.932	319.622	611.047	835.131	906.453
86.5	132.526	305.026	596.617	819.539	890.364
87.0	113.452	290.927	582.021	804.777	874.607
87.5	94.377	277.824	568.254	789.850	859.513
88.0	75.469	265.052	554.653	775.419	844.253
88.5	56.394	253.110	541.550	761.155	829.491
89.0	38.978	241.831	529.110	747.388	814.895
89.5	24.714	231.382	517.002	734.119	800.631
90.0	14.762	222.093	505.889	721.513	787.527
90.5	10.450	213.966	495.605	708.907	773.595
91.0	11.113	206.502	485.155	696.136	760.326
91.5	13.269	199.370	474.706	684.028	747.056
92.0	15.757	193.399	464.754	671.754	734.119
92.5	18.411	188.257	456.295	659.977	721.347
93.0	21.065	183.779	447.504	648.864	709.073
93.5	23.885	180.295	439.211	637.917	697.463
94.0	26.870	177.310	431.415	627.634	686.184
94.5	29.690	175.154	424.117	617.184	674.573
95.0	32.510	173.495	417.317	606.900	663.460
95.5	35.163	172.334	411.014	597.114	652.513
96.0	37.320	171.836	405.540	587.660	641.732
96.5	39.476	171.836	400.067	578.869	631.780
97.0	41.466	172.002	395.091	570.410	621.828
97.5	43.623	172.666	390.446	562.283	612.706
98.0	45.447	173.329	386.300	554.321	603.417
98.5	47.603	174.158	382.817	546.691	594.792
99.0	49.760	175.154	379.168	539.559	586.333
99.5	52.082	176.315	376.016	532.759	578.040
100.0	54.072	177.476	373.528	526.456	570.576
100.5	56.394	178.803	371.040	520.319	562.946
101.0	58.385	180.129	369.216	514.514	556.146
101.5	60.375	181.456	367.391	509.040	549.179
102.0	62.199	182.783	366.064	503.898	543.042
102.5	64.024	184.110	364.737	499.088	536.905
103.0	65.848	185.603	363.742	494.278	531.432
103.5	67.839	187.096	362.913	490.131	525.792
104.0	69.995	188.423	362.084	486.316	520.651
104.5	72.151	189.916	361.586	482.667	515.840
105.0	74.142	191.408	361.088	479.350	511.196
105.5	75.966	192.735	360.591	475.867	507.215
106.0	78.122	194.394	360.425	472.881	503.235
106.5	80.113	195.887	360.425	470.062	499.254
107.0	82.103	197.545	360.425	467.408	495.937
107.5	83.928	198.872	360.425	465.417	492.453
108.0	86.250	200.531	360.425	463.095	488.970
108.5	88.406	202.190	360.591	461.437	486.648
109.0	90.562	203.516	360.922	459.280	484.326
109.5	92.884	205.009	361.088	457.788	481.838
110.0	95.207	206.502	361.420	456.129	479.848
110.5	97.529	207.995	361.752	454.636	478.023

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CANDELA TABULATION - (Cont.)

111.0	99.851	209.488	361.918	453.309	476.033
111.5	102.173	210.815	362.084	452.314	474.374
112.0	104.661	212.307	362.415	451.319	472.384
112.5	107.149	213.800	362.747	450.158	470.559
113.0	109.803	215.293	363.245	449.329	469.730
113.5	112.291	216.620	363.245	448.499	468.569
114.0	114.945	217.947	363.576	447.836	467.408
114.5	117.432	219.440	363.908	447.006	466.413
115.0	120.086	220.601	364.240	446.509	465.583
115.5	122.740	222.093	364.240	446.011	464.754
116.0	125.228	223.420	364.737	445.348	463.759
116.5	127.550	224.747	365.069	444.684	463.427
117.0	130.204	226.240	365.401	444.684	462.598
117.5	132.692	227.401	365.733	444.021	462.100
118.0	134.848	228.562	366.064	443.689	461.437
118.5	137.336	229.723	366.230	443.192	461.271
119.0	139.493	230.884	366.562	442.694	460.276
119.5	141.815	231.714	366.894	442.196	460.110
120.0	143.971	232.543	366.728	441.865	459.280
120.5	146.127	233.538	366.894	441.201	459.115
121.0	148.283	234.202	367.225	440.704	458.451
121.5	150.606	235.031	367.059	440.040	458.119
122.0	152.762	236.026	367.059	439.708	457.622
122.5	154.918	237.021	367.225	439.045	456.461
123.0	157.074	238.016	367.059	438.381	456.295
123.5	159.065	238.846	366.728	437.884	455.300
124.0	160.723	239.509	366.728	437.386	455.134
124.5	162.382	240.173	366.728	436.557	454.470
125.0	164.041	241.002	366.396	435.728	453.807
125.5	165.699	241.500	366.064	435.230	452.978
126.0	167.192	242.163	365.898	434.235	452.314
126.5	168.519	242.992	365.567	433.571	451.817
127.0	170.012	243.324	365.235	432.742	451.153
127.5	171.173	243.822	364.737	431.913	449.992
128.0	172.666	243.822	364.571	430.918	449.329
128.5	173.827	244.153	363.908	430.088	448.665
129.0	174.988	244.485	363.245	429.259	447.836
129.5	175.983	244.983	362.084	427.932	446.841
130.0	176.812	245.314	360.922	427.103	445.845
130.5	177.642	245.646	359.596	426.107	444.684
131.0	178.139	246.144	358.269	424.615	443.523
131.5	178.803	246.641	356.942	423.288	442.362
132.0	179.466	247.139	355.449	422.458	441.367
132.5	179.798	247.305	353.790	420.800	439.874
133.0	180.295	247.471	353.127	419.307	438.050
133.5	180.461	247.305	352.132	418.146	437.220
134.0	180.627	246.973	351.468	416.819	436.059
134.5	181.125	246.310	350.639	415.326	433.903
135.0	181.622	245.812	349.644	413.336	432.244
135.5	181.456	244.485	348.814	412.009	430.918
136.0	181.788	244.319	347.653	410.350	429.259
136.5	182.120	243.822	346.824	408.526	427.600
137.0	182.286	242.992	345.497	407.033	425.776
137.5	182.452	242.163	344.336	405.043	424.117
138.0	182.783	241.665	342.677	403.384	422.127
138.5	182.783	241.002	340.521	401.559	420.634

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	182.617	240.504	338.033	399.403	418.312
139.5	182.617	239.841	335.048	397.081	416.653
140.0	182.617	239.012	331.730	394.925	414.331
140.5	182.617	238.514	328.745	392.271	411.843
141.0	182.617	238.182	325.427	389.451	409.853
141.5	182.617	237.519	322.110	386.963	407.862
142.0	182.452	237.187	318.959	383.812	405.706
142.5	182.286	236.689	315.641	380.992	403.218
143.0	182.120	236.192	312.490	378.338	400.730
143.5	182.120	235.528	308.841	375.519	398.408
144.0	182.120	234.699	305.689	373.362	395.754
144.5	182.617	234.036	302.538	370.874	393.432
145.0	183.281	233.372	299.055	368.718	390.778
145.5	184.442	232.543	295.903	366.562	388.124
146.0	185.935	231.879	292.918	364.240	385.636
146.5	187.428	231.216	290.430	361.752	382.817
147.0	188.920	230.387	287.610	359.264	379.997
147.5	190.247	230.055	285.454	356.776	377.177
148.0	191.740	229.391	283.132	353.956	374.192
148.5	193.067	229.226	281.307	351.302	371.206
149.0	194.726	229.226	279.317	348.648	368.552
149.5	195.887	229.723	277.492	345.829	365.235
150.0	197.214	230.055	275.668	343.175	361.752
150.5	198.375	230.221	273.677	340.189	358.103
151.0	199.204	230.718	271.024	337.204	353.790
151.5	200.033	230.884	268.204	334.052	349.809
152.0	201.029	231.216	265.550	330.735	345.829
152.5	202.024	231.548	263.062	327.252	341.516
153.0	202.687	231.714	260.408	323.271	338.033
153.5	203.516	232.211	257.588	319.124	334.052
154.0	204.180	232.045	255.101	314.480	330.735
154.5	205.009	232.211	252.944	310.002	327.418
155.0	205.341	232.543	250.788	304.860	324.930
155.5	206.004	232.709	248.632	300.050	322.276
156.0	206.502	232.709	247.139	294.908	319.954
156.5	207.331	232.709	245.646	289.766	316.968
157.0	207.663	233.040	244.153	285.122	314.148
157.5	208.161	233.040	243.158	280.644	310.997
158.0	208.824	232.875	242.661	276.000	308.011
158.5	208.990	232.875	241.997	272.185	304.528
159.0	209.819	232.377	241.500	268.536	301.543
159.5	210.483	232.045	240.670	265.052	298.225
160.0	211.312	231.714	239.841	262.233	294.908
160.5	212.307	231.548	239.177	259.579	291.757
161.0	212.971	231.050	239.012	256.759	288.605
161.5	213.966	230.884	238.680	253.939	286.283
162.0	214.795	230.552	239.177	251.617	284.293
162.5	215.625	230.552	239.509	249.129	281.971
163.0	216.620	230.387	239.675	246.476	279.980
163.5	217.449	230.387	240.007	243.656	277.492
164.0	217.781	230.387	240.339	240.173	275.170
164.5	218.278	230.055	240.007	237.519	272.185
165.0	218.776	230.055	239.509	234.865	269.199
165.5	219.274	229.889	239.012	233.040	266.048
166.0	219.771	229.723	238.680	231.050	261.238
166.5	220.269	229.723	238.182	229.391	258.915

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	220.932	229.723	237.685	227.899	257.091
167.5	221.264	229.723	236.689	226.572	255.266
168.0	221.762	229.723	235.860	225.245	253.774
168.5	222.757	229.060	234.699	224.084	251.949
169.0	223.254	229.226	233.870	222.923	250.125
169.5	224.084	228.728	232.543	221.596	248.134
170.0	224.415	228.562	231.382	219.937	246.310
170.5	224.913	228.230	229.889	218.113	244.319
171.0	225.245	227.899	228.230	216.122	241.831
171.5	225.742	227.899	226.738	214.298	239.841
172.0	226.572	227.567	225.908	212.473	236.855
172.5	227.069	227.567	224.913	210.483	233.538
173.0	227.733	227.235	224.084	208.658	227.899
173.5	228.562	227.401	223.752	206.834	219.440
174.0	229.226	227.401	223.586	205.341	208.990
174.5	229.723	227.401	223.254	203.848	196.550
175.0	230.718	227.899	223.089	202.687	182.452
175.5	231.050	228.065	222.923	202.190	167.690
176.0	231.714	228.396	222.923	201.692	158.069
176.5	231.879	228.562	222.757	201.692	151.269
177.0	232.543	228.894	222.425	201.194	144.303
177.5	232.709	228.894	221.928	201.029	142.810
178.0	233.372	229.226	221.762	200.863	143.142
178.5	233.704	229.391	221.928	200.531	143.473
179.0	234.036	229.391	221.762	200.033	143.639
179.5	234.367	229.391	221.596	199.867	143.805
180.0	210.151	210.151	210.151	210.151	210.151

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1898.95	N.A.	11.70
0-30	3978.94	N.A.	24.50
0-40	6391.61	N.A.	39.40
0-60	10816.97	N.A.	66.70
0-80	13476.01	N.A.	83.10
0-90	14144.75	N.A.	87.30
10-90	13649.69	N.A.	84.20
20-40	4492.66	N.A.	27.70
20-50	6868.55	N.A.	42.40
40-70	6001.74	N.A.	37.00
60-80	2659.04	N.A.	16.40
70-80	1082.66	N.A.	6.70
80-90	668.74	N.A.	4.10
90-110	781.10	N.A.	4.80
90-120	1109.93	N.A.	6.80
90-130	1412.57	N.A.	8.70
90-150	1854.45	N.A.	11.40
90-180	2065.69	N.A.	12.70
110-180	1284.59	N.A.	7.90
0-180	16210.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	495.06
10-20	1403.88
20-30	2079.99
30-40	2412.67
40-50	2375.89
50-60	2049.47
60-70	1576.38
70-80	1082.66
80-90	668.74
90-100	428.47
100-110	352.63
110-120	328.83
120-130	302.64
130-140	254.32
140-150	187.55
150-160	122.63
160-170	67.56
170-180	21.05

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-835-HE-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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87
1	105	100	95	91	101	96	92	89	90	86	83	84	81	79	78	76	74	71
2	95	87	80	74	92	84	78	72	78	73	69	73	69	65	68	65	62	59
3	87	76	68	62	83	74	66	60	69	63	58	65	60	55	61	56	53	50
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43
5	73	61	52	45	70	59	51	44	55	48	43	52	46	41	49	44	40	37
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33
7	63	50	41	35	60	48	40	34	46	38	33	43	37	32	41	35	31	29
8	59	45	37	31	56	44	36	31	42	35	30	40	33	29	37	32	28	26
9	55	42	34	28	53	41	33	28	38	32	27	36	30	26	35	29	25	23
10	51	38	31	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21

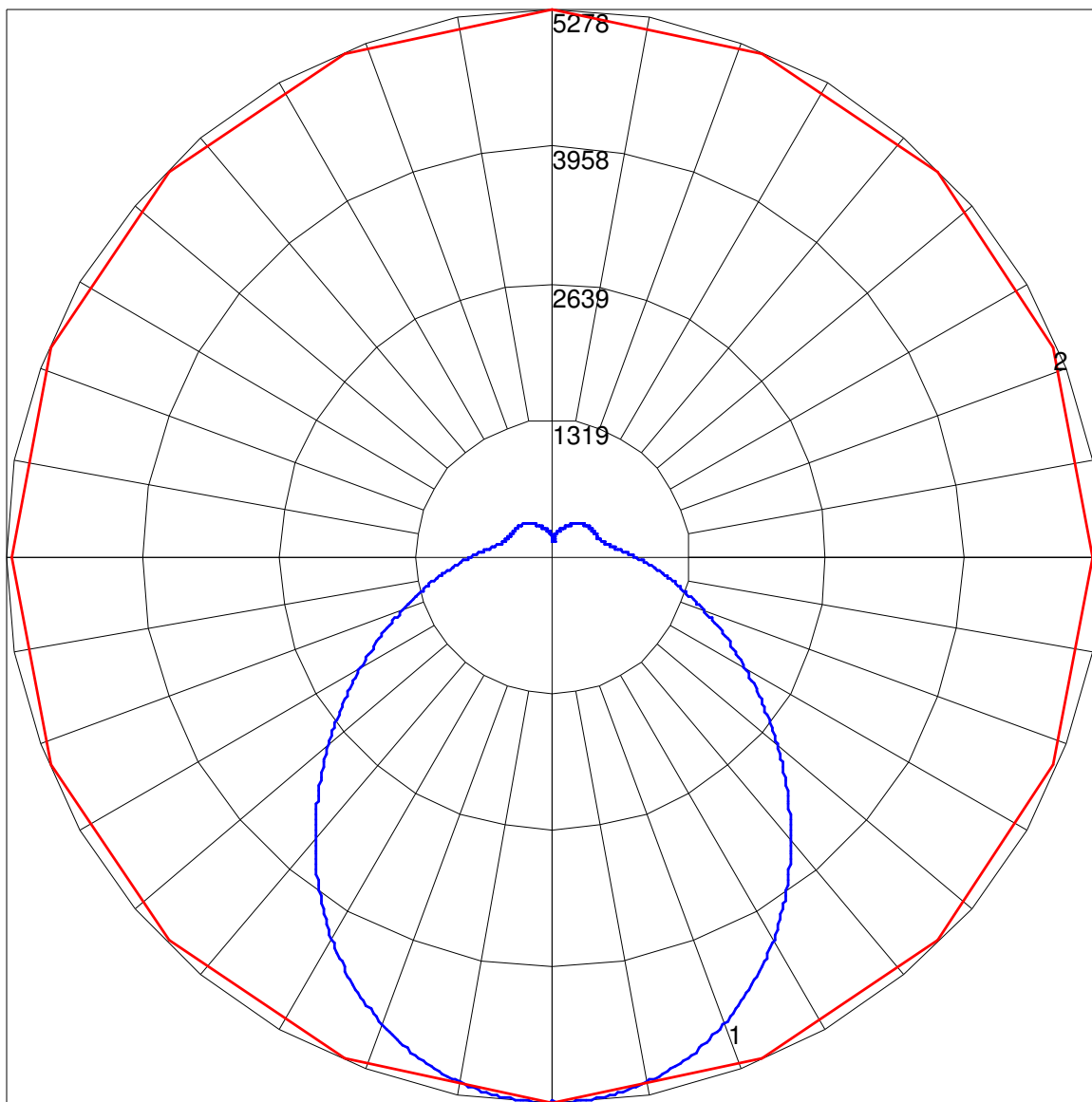
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	19.1	20.5	19.6	21.0	21.6	20.8	22.2	21.4	22.7	23.3
	3H	20.5	21.7	21.0	22.3	22.9	23.0	24.3	23.6	24.8	25.5
	4H	20.9	22.1	21.5	22.6	23.3	24.1	25.3	24.7	25.8	26.5
	6H	21.2	22.3	21.8	22.9	23.6	25.2	26.3	25.8	26.9	27.6
	8H	21.3	22.3	21.9	22.9	23.6	25.9	26.9	26.5	27.5	28.2
	12H	21.3	22.3	21.9	22.9	23.6	26.6	27.5	27.2	28.2	28.9
4H	2H	19.8	21.0	20.4	21.6	22.3	21.2	22.4	21.8	23.0	23.6
	3H	21.4	22.4	22.0	23.1	23.7	23.7	24.6	24.3	25.3	26.0
	4H	22.0	22.9	22.6	23.5	24.3	24.9	25.8	25.5	26.4	27.2
	6H	22.4	23.2	23.1	23.9	24.6	26.3	27.0	26.9	27.7	28.4
	8H	22.5	23.3	23.2	23.9	24.7	27.0	27.7	27.6	28.4	29.1
	12H	22.6	23.3	23.3	24.0	24.7	27.8	28.5	28.5	29.2	29.9
8H	4H	22.6	23.3	23.2	24.0	24.7	25.1	25.8	25.8	26.5	27.3
	6H	23.2	23.8	23.8	24.5	25.2	26.6	27.3	27.3	28.0	28.7
	8H	23.4	23.9	24.1	24.6	25.4	27.5	28.1	28.2	28.8	29.5
	12H	23.5	24.0	24.2	24.7	25.5	28.5	29.0	29.2	29.7	30.5
12H	4H	22.8	23.4	23.4	24.1	24.9	25.1	25.8	25.8	26.5	27.2
	6H	23.4	24.0	24.1	24.7	25.5	26.7	27.2	27.4	27.9	28.7
	8H	23.7	24.2	24.4	24.9	25.7	27.6	28.1	28.3	28.8	29.6

Maximum UGR = 30.5

POLAR GRAPH



Maximum Candela = 5277.827 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.)