

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-850-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-L170-850-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	17169
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	112.4
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	18991	16937	16658
55	16521	14532	14624
65	13993	12486	13033
75	11406	10965	12182
85	8958	10910	12871

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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	5556.632	5556.632	5556.632	5556.632	5556.632
0.5	5530.280	5551.362	5554.875	5553.118	5590.010
1.0	5530.280	5553.118	5553.118	5551.362	5588.254
1.5	5525.010	5553.118	5551.362	5549.605	5590.010
2.0	5523.253	5547.848	5551.362	5547.848	5584.740
2.5	5523.253	5547.848	5546.091	5546.091	5581.227
3.0	5517.983	5542.578	5542.578	5542.578	5577.713
3.5	5514.470	5537.308	5537.308	5539.064	5574.199
4.0	5510.956	5533.794	5533.794	5532.037	5570.686
4.5	5502.172	5528.524	5530.280	5528.524	5565.416
5.0	5496.902	5523.253	5523.253	5523.253	5560.145
5.5	5489.875	5516.226	5516.226	5517.983	5553.118
6.0	5486.361	5507.443	5509.199	5509.199	5546.091
6.5	5474.064	5500.416	5502.172	5502.172	5537.308
7.0	5467.037	5491.632	5493.389	5491.632	5530.280
7.5	5460.010	5481.091	5484.605	5484.605	5521.497
8.0	5451.226	5474.064	5474.064	5474.064	5509.199
8.5	5442.442	5461.767	5465.280	5465.280	5498.659
9.0	5428.388	5452.983	5454.740	5452.983	5486.361
9.5	5419.605	5440.686	5440.686	5440.686	5479.334
10.0	5405.551	5426.632	5426.632	5430.145	5465.280
10.5	5393.253	5414.334	5416.091	5416.091	5452.983
11.0	5380.956	5402.037	5403.794	5402.037	5438.929
11.5	5365.145	5387.983	5391.496	5387.983	5426.632
12.0	5351.091	5372.172	5375.686	5375.686	5410.821
12.5	5337.037	5356.361	5361.632	5358.118	5396.767
13.0	5321.226	5342.307	5345.821	5344.064	5380.956
13.5	5305.415	5324.740	5328.253	5328.253	5366.902
14.0	5286.091	5307.172	5310.685	5310.685	5347.577
14.5	5270.280	5289.604	5293.118	5293.118	5333.523
15.0	5254.469	5272.037	5273.794	5273.794	5312.442
15.5	5235.145	5250.956	5256.226	5256.226	5291.361
16.0	5214.064	5231.631	5236.902	5236.902	5273.794
16.5	5196.496	5210.550	5215.820	5217.577	5254.469
17.0	5171.901	5187.712	5194.739	5196.496	5233.388
17.5	5150.820	5166.631	5173.658	5175.415	5212.307
18.0	5131.496	5145.550	5150.820	5156.091	5192.983
18.5	5108.658	5124.469	5129.739	5133.253	5170.145
19.0	5085.820	5098.118	5106.901	5110.415	5145.550
19.5	5059.469	5077.036	5084.063	5091.090	5122.712
20.0	5031.361	5050.685	5059.469	5064.739	5098.118
20.5	5003.252	5027.847	5034.874	5041.901	5075.280
21.0	4980.415	4999.739	5005.009	5019.063	5050.685
21.5	4954.063	4973.388	4982.171	4989.198	5024.334
22.0	4925.955	4948.793	4957.577	4964.604	5001.496
22.5	4901.360	4917.171	4929.469	4940.009	4975.144
23.0	4871.495	4889.063	4901.360	4911.901	4947.036
23.5	4839.874	4859.198	4875.009	4885.550	4920.685
24.0	4808.252	4829.333	4845.144	4857.441	4892.577
24.5	4781.901	4799.468	4817.036	4827.576	4860.955
25.0	4752.036	4769.603	4788.928	4799.468	4832.847
25.5	4718.657	4739.738	4755.549	4771.360	4799.468
26.0	4687.036	4706.360	4727.441	4741.495	4773.117
26.5	4653.657	4672.982	4697.576	4709.874	4743.252

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**CANDELA TABULATION - (Cont.)**

27.0	4620.279	4637.846	4667.711	4683.522	4713.387
27.5	4581.630	4604.468	4634.333	4648.387	4683.522
28.0	4553.522	4571.090	4600.954	4616.765	4650.144
28.5	4516.630	4537.711	4567.576	4583.387	4616.765
29.0	4481.495	4502.576	4532.441	4551.765	4585.144
29.5	4444.603	4465.684	4497.306	4516.630	4550.008
30.0	4407.711	4430.549	4462.170	4486.765	4520.143
30.5	4369.062	4391.900	4428.792	4453.387	4485.008
31.0	4332.170	4355.008	4391.900	4418.251	4448.116
31.5	4293.521	4319.873	4356.765	4384.873	4416.495
32.0	4256.629	4279.467	4321.630	4347.981	4379.603
32.5	4216.224	4240.819	4284.738	4312.846	4344.467
33.0	4177.575	4203.927	4244.332	4277.711	4309.332
33.5	4140.683	4165.278	4209.197	4239.062	4272.440
34.0	4096.764	4124.872	4170.548	4203.927	4239.062
34.5	4056.359	4086.224	4133.656	4165.278	4200.413
35.0	4019.467	4044.062	4096.764	4130.143	4163.521
35.5	3972.034	4005.413	4056.359	4091.494	4124.872
36.0	3935.142	3963.251	4017.710	4052.845	4087.981
36.5	3889.467	3921.088	3977.305	4015.953	4052.845
37.0	3847.304	3880.683	3936.899	3975.548	4015.953
37.5	3803.385	3836.764	3898.250	3940.413	3975.548
38.0	3759.466	3794.602	3856.088	3900.007	3933.386
38.5	3713.791	3750.683	3815.683	3863.115	3894.737
39.0	3673.385	3706.764	3773.520	3822.710	3863.115
39.5	3627.709	3666.358	3733.115	3782.304	3820.953
40.0	3578.520	3620.682	3690.953	3745.412	3780.548
40.5	3532.844	3576.763	3650.547	3706.764	3741.899
41.0	3490.682	3532.844	3608.385	3666.358	3701.493
41.5	3445.006	3488.925	3566.223	3625.953	3662.845
42.0	3399.331	3445.006	3524.061	3587.304	3624.196
42.5	3355.412	3399.331	3480.142	3546.898	3583.790
43.0	3306.222	3355.412	3439.736	3508.250	3545.142
43.5	3264.060	3309.736	3395.817	3467.844	3506.493
44.0	3216.628	3264.060	3351.898	3429.196	3466.087
44.5	3172.709	3220.141	3307.979	3387.033	3425.682
45.0	3127.033	3174.465	3265.817	3350.141	3388.790
45.5	3081.357	3130.546	3223.655	3311.493	3350.141
46.0	3035.681	3084.871	3177.979	3269.330	3309.736
46.5	2990.006	3039.195	3139.330	3234.195	3271.087
47.0	2942.573	2995.276	3095.411	3192.033	3232.438
47.5	2896.897	2949.600	3051.492	3151.627	3192.033
48.0	2852.978	2903.924	3007.573	3114.735	3151.627
48.5	2803.789	2860.005	2967.168	3072.573	3112.979
49.0	2759.870	2812.573	2921.492	3032.168	3072.573
49.5	2714.194	2768.654	2879.330	2993.519	3033.925
50.0	2666.762	2722.978	2837.167	2951.357	2993.519
50.5	2622.843	2679.059	2793.248	2916.222	2956.627
51.0	2577.167	2633.383	2754.600	2875.816	2917.978
51.5	2533.248	2587.707	2710.681	2837.167	2879.330
52.0	2485.815	2543.788	2668.518	2796.762	2840.681
52.5	2440.140	2498.113	2628.113	2756.356	2803.789
53.0	2392.707	2454.194	2585.951	2721.221	2763.383
53.5	2347.031	2410.275	2545.545	2680.816	2726.492
54.0	2303.112	2366.356	2505.140	2642.167	2689.600
54.5	2260.950	2320.680	2464.734	2607.032	2652.708

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**CANDELA TABULATION - (Cont.)**

55.0	2217.031	2278.518	2424.329	2566.626	2619.329
55.5	2180.139	2234.599	2383.923	2529.734	2578.924
56.0	2137.977	2195.950	2345.275	2492.842	2542.032
56.5	2094.058	2155.545	2304.869	2455.950	2506.897
57.0	2051.896	2115.139	2266.220	2419.059	2470.005
57.5	2007.977	2072.977	2232.842	2383.923	2429.599
58.0	1964.058	2030.815	2194.193	2345.275	2399.734
58.5	1921.895	1988.652	2155.545	2311.896	2364.599
59.0	1879.733	1946.490	2118.653	2282.031	2327.707
59.5	1837.571	1906.085	2085.274	2245.139	2299.599
60.0	1795.409	1863.922	2048.382	2210.004	2264.464
60.5	1754.125	1823.517	2011.490	2176.626	2229.328
61.0	1712.665	1783.111	1974.598	2143.247	2195.950
61.5	1671.557	1743.057	1937.706	2109.869	2164.328
62.0	1631.152	1703.354	1902.571	2078.247	2130.950
62.5	1591.273	1664.003	1865.679	2046.625	2099.328
63.0	1550.868	1624.827	1830.544	2013.247	2071.220
63.5	1510.814	1586.179	1797.165	1981.625	2039.598
64.0	1471.814	1548.057	1762.030	1948.247	2007.977
64.5	1432.989	1510.814	1728.652	1916.625	1976.355
65.0	1394.516	1473.395	1695.098	1885.003	1946.490
65.5	1356.570	1436.854	1661.895	1853.382	1914.868
66.0	1318.097	1400.313	1629.044	1821.760	1885.003
66.5	1280.502	1364.651	1596.368	1791.895	1855.139
67.0	1243.786	1329.340	1563.868	1760.274	1825.274
67.5	1206.894	1294.556	1532.070	1730.760	1795.409
68.0	1170.529	1260.651	1500.449	1700.895	1767.301
68.5	1134.691	1226.921	1469.530	1671.908	1737.963
69.0	1099.029	1193.543	1438.962	1642.746	1710.206
69.5	1063.894	1160.867	1408.746	1614.462	1682.625
70.0	1028.934	1128.718	1379.057	1586.706	1655.219
70.5	994.853	1096.921	1349.367	1558.949	1628.165
71.0	961.123	1065.475	1320.205	1531.543	1601.462
71.5	927.745	1034.732	1291.746	1504.841	1575.111
72.0	895.069	1003.813	1263.286	1478.314	1549.462
72.5	862.218	973.948	1235.529	1452.313	1523.989
73.0	830.245	944.259	1207.948	1426.665	1498.341
73.5	799.150	914.921	1181.245	1401.192	1473.395
74.0	768.407	886.461	1154.191	1376.597	1448.273
74.5	738.191	857.826	1128.367	1352.178	1424.557
75.0	708.150	829.893	1102.718	1328.286	1401.543
75.5	678.636	802.664	1077.421	1304.570	1378.178
76.0	650.001	775.961	1052.826	1281.029	1355.340
76.5	621.542	749.609	1028.407	1258.016	1332.502
77.0	593.434	723.434	1004.340	1235.178	1310.367
77.5	565.852	697.961	980.623	1213.043	1288.408
78.0	538.623	673.015	957.610	1191.259	1266.800
78.5	511.920	648.420	934.772	1169.299	1245.367
79.0	485.744	624.528	912.637	1148.043	1224.286
79.5	459.744	600.812	890.853	1127.313	1203.205
80.0	434.095	577.447	869.069	1106.759	1183.178
80.5	409.149	554.785	847.988	1086.029	1162.799
81.0	384.906	532.474	827.785	1066.002	1142.948
81.5	360.311	510.690	807.583	1046.151	1123.097
82.0	336.595	489.433	787.907	1027.002	1103.948
82.5	313.406	468.528	768.583	1007.853	1085.151

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**CANDELA TABULATION - (Cont.)**

83.0	290.568	448.149	749.609	989.407	1066.880
83.5	267.906	428.298	731.515	970.610	1047.907
84.0	245.771	408.974	713.947	952.867	1029.813
84.5	223.811	390.352	696.731	935.299	1012.069
85.0	202.730	372.257	679.866	917.907	994.326
85.5	181.649	355.041	663.353	901.042	977.110
86.0	160.919	338.528	647.190	884.529	960.069
86.5	140.365	323.068	631.907	868.015	943.029
87.0	120.162	308.136	616.447	852.380	926.340
87.5	99.960	294.257	601.866	836.569	910.353
88.0	79.933	280.730	587.461	821.285	894.191
88.5	59.730	268.082	573.582	806.177	878.556
89.0	41.284	256.136	560.406	791.596	863.096
89.5	26.176	245.068	547.582	777.542	847.988
90.0	15.635	235.230	535.812	764.191	834.110
90.5	11.068	226.622	524.920	750.839	819.353
91.0	11.770	218.717	513.852	737.312	805.299
91.5	14.054	211.163	502.785	724.488	791.245
92.0	16.689	204.838	492.244	711.488	777.542
92.5	19.500	199.392	483.285	699.015	764.015
93.0	22.311	194.649	473.974	687.245	751.015
93.5	25.297	190.960	465.190	675.650	738.718
94.0	28.460	187.798	456.933	664.758	726.772
94.5	31.446	185.514	449.204	653.690	714.474
95.0	34.432	183.757	442.001	642.798	702.704
95.5	37.243	182.527	435.325	632.434	691.109
96.0	39.527	182.000	429.528	622.420	679.690
96.5	41.811	182.000	423.731	613.109	669.150
97.0	43.919	182.176	418.460	604.150	658.609
97.5	46.203	182.879	413.541	595.542	648.947
98.0	48.135	183.581	409.149	587.109	639.109
98.5	50.419	184.460	405.460	579.028	629.974
99.0	52.703	185.514	401.595	571.474	621.015
99.5	55.162	186.744	398.257	564.271	612.231
100.0	57.270	187.973	395.622	557.596	604.325
100.5	59.730	189.379	392.987	551.096	596.244
101.0	61.838	190.784	391.055	544.947	589.042
101.5	63.946	192.190	389.122	539.150	581.663
102.0	65.879	193.595	387.717	533.704	575.163
102.5	67.811	195.000	386.312	528.609	568.663
103.0	69.743	196.581	385.257	523.514	562.866
103.5	71.851	198.163	384.379	519.123	556.893
104.0	74.135	199.568	383.501	515.082	551.447
104.5	76.419	201.149	382.974	511.217	546.352
105.0	78.527	202.730	382.447	507.704	541.433
105.5	80.460	204.136	381.920	504.014	537.217
106.0	82.743	205.892	381.744	500.852	533.001
106.5	84.852	207.473	381.744	497.866	528.785
107.0	86.960	209.230	381.744	495.055	525.271
107.5	88.892	210.636	381.744	492.947	521.582
108.0	91.352	212.392	381.744	490.487	517.893
108.5	93.635	214.149	381.920	488.731	515.433
109.0	95.919	215.554	382.271	486.447	512.974
109.5	98.379	217.136	382.447	484.866	510.339
110.0	100.838	218.717	382.798	483.109	508.231
110.5	103.297	220.298	383.149	481.528	506.298

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**CANDELA TABULATION - (Cont.)**

111.0	105.757	221.879	383.325	480.123	504.190
111.5	108.216	223.284	383.501	479.068	502.433
112.0	110.852	224.865	383.852	478.014	500.325
112.5	113.487	226.446	384.203	476.785	498.393
113.0	116.298	228.027	384.730	475.906	497.514
113.5	118.933	229.433	384.730	475.028	496.285
114.0	121.743	230.838	385.082	474.325	495.055
114.5	124.379	232.419	385.433	473.447	494.001
115.0	127.189	233.649	385.784	472.920	493.123
115.5	130.000	235.230	385.784	472.393	492.244
116.0	132.635	236.636	386.312	471.690	491.190
116.5	135.095	238.041	386.663	470.987	490.839
117.0	137.906	239.622	387.014	470.987	489.960
117.5	140.541	240.852	387.366	470.285	489.433
118.0	142.825	242.082	387.717	469.933	488.731
118.5	145.460	243.311	387.893	469.406	488.555
119.0	147.744	244.541	388.244	468.879	487.501
119.5	150.203	245.419	388.595	468.352	487.325
120.0	152.487	246.298	388.420	468.001	486.447
120.5	154.771	247.352	388.595	467.298	486.271
121.0	157.054	248.055	388.947	466.771	485.568
121.5	159.514	248.933	388.771	466.068	485.217
122.0	161.798	249.987	388.771	465.717	484.690
122.5	164.081	251.041	388.947	465.014	483.460
123.0	166.365	252.095	388.771	464.312	483.285
123.5	168.473	252.973	388.420	463.785	482.231
124.0	170.230	253.676	388.420	463.258	482.055
124.5	171.987	254.379	388.420	462.379	481.352
125.0	173.744	255.257	388.068	461.501	480.650
125.5	175.500	255.784	387.717	460.974	479.771
126.0	177.081	256.487	387.541	459.920	479.068
126.5	178.487	257.365	387.190	459.217	478.541
127.0	180.068	257.717	386.839	458.339	477.839
127.5	181.298	258.244	386.312	457.460	476.609
128.0	182.879	258.244	386.136	456.406	475.906
128.5	184.108	258.595	385.433	455.528	475.204
129.0	185.338	258.946	384.730	454.649	474.325
129.5	186.392	259.473	383.501	453.244	473.271
130.0	187.271	259.825	382.271	452.366	472.217
130.5	188.149	260.176	380.866	451.312	470.987
131.0	188.676	260.703	379.460	449.731	469.758
131.5	189.379	261.230	378.055	448.325	468.528
132.0	190.081	261.757	376.474	447.447	467.474
132.5	190.433	261.933	374.717	445.690	465.893
133.0	190.960	262.109	374.014	444.109	463.960
133.5	191.135	261.933	372.960	442.879	463.082
134.0	191.311	261.582	372.257	441.474	461.852
134.5	191.838	260.879	371.379	439.893	459.568
135.0	192.365	260.352	370.325	437.785	457.812
135.5	192.190	258.946	369.447	436.379	456.406
136.0	192.541	258.771	368.217	434.622	454.649
136.5	192.892	258.244	367.339	432.690	452.893
137.0	193.068	257.365	365.933	431.109	450.960
137.5	193.244	256.487	364.703	429.001	449.204
138.0	193.595	255.960	362.947	427.244	447.095
138.5	193.595	255.257	360.663	425.312	445.514

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	193.419	254.730	358.028	423.028	443.055
139.5	193.419	254.027	354.866	420.568	441.298
140.0	193.419	253.149	351.352	418.285	438.839
140.5	193.419	252.622	348.190	415.474	436.204
141.0	193.419	252.271	344.676	412.487	434.095
141.5	193.419	251.568	341.163	409.852	431.987
142.0	193.244	251.217	337.825	406.514	429.703
142.5	193.068	250.690	334.311	403.528	427.068
143.0	192.892	250.163	330.974	400.717	424.433
143.5	192.892	249.460	327.109	397.730	421.974
144.0	192.892	248.582	323.771	395.447	419.163
144.5	193.419	247.879	320.433	392.812	416.703
145.0	194.122	247.176	316.744	390.528	413.893
145.5	195.352	246.298	313.406	388.244	411.082
146.0	196.933	245.595	310.244	385.784	408.447
146.5	198.514	244.892	307.609	383.149	405.460
147.0	200.095	244.014	304.622	380.514	402.474
147.5	201.500	243.663	302.338	377.879	399.487
148.0	203.081	242.960	299.879	374.893	396.325
148.5	204.487	242.784	297.946	372.082	393.163
149.0	206.244	242.784	295.838	369.271	390.352
149.5	207.473	243.311	293.906	366.284	386.839
150.0	208.879	243.663	291.974	363.474	383.149
150.5	210.108	243.838	289.865	360.311	379.284
151.0	210.987	244.365	287.055	357.149	374.717
151.5	211.865	244.541	284.068	353.811	370.501
152.0	212.919	244.892	281.257	350.298	366.284
152.5	213.973	245.244	278.622	346.609	361.717
153.0	214.676	245.419	275.811	342.393	358.028
153.5	215.554	245.946	272.825	338.001	353.811
154.0	216.257	245.771	270.190	333.082	350.298
154.5	217.136	245.946	267.906	328.338	346.784
155.0	217.487	246.298	265.622	322.892	344.149
155.5	218.190	246.473	263.338	317.798	341.338
156.0	218.717	246.473	261.757	312.352	338.879
156.5	219.595	246.473	260.176	306.906	335.717
157.0	219.946	246.825	258.595	301.987	332.730
157.5	220.473	246.825	257.541	297.244	329.393
158.0	221.176	246.649	257.014	292.325	326.230
158.5	221.352	246.649	256.311	288.284	322.541
159.0	222.230	246.122	255.784	284.419	319.379
159.5	222.933	245.771	254.906	280.730	315.865
160.0	223.811	245.419	254.027	277.744	312.352
160.5	224.865	245.244	253.325	274.933	309.014
161.0	225.568	244.717	253.149	271.946	305.676
161.5	226.622	244.541	252.798	268.960	303.217
162.0	227.500	244.190	253.325	266.500	301.109
162.5	228.379	244.190	253.676	263.865	298.649
163.0	229.433	244.014	253.852	261.055	296.541
163.5	230.311	244.014	254.203	258.068	293.906
164.0	230.663	244.014	254.555	254.379	291.446
164.5	231.190	243.663	254.203	251.568	288.284
165.0	231.717	243.663	253.676	248.757	285.122
165.5	232.244	243.487	253.149	246.825	281.784
166.0	232.771	243.311	252.798	244.717	276.690
166.5	233.298	243.311	252.271	242.960	274.230

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

167.0	234.000	243.311	251.744	241.379	272.298
167.5	234.352	243.311	250.690	239.973	270.365
168.0	234.879	243.311	249.811	238.568	268.784
168.5	235.933	242.609	248.582	237.338	266.852
169.0	236.460	242.784	247.703	236.109	264.919
169.5	237.338	242.257	246.298	234.703	262.811
170.0	237.690	242.082	245.068	232.946	260.879
170.5	238.217	241.730	243.487	231.014	258.771
171.0	238.568	241.379	241.730	228.906	256.136
171.5	239.095	241.379	240.149	226.973	254.027
172.0	239.973	241.027	239.271	225.041	250.865
172.5	240.500	241.027	238.217	222.933	247.352
173.0	241.203	240.676	237.338	221.000	241.379
173.5	242.082	240.852	236.987	219.068	232.419
174.0	242.784	240.852	236.811	217.487	221.352
174.5	243.311	240.852	236.460	215.906	208.176
175.0	244.365	241.379	236.284	214.676	193.244
175.5	244.717	241.555	236.109	214.149	177.608
176.0	245.419	241.906	236.109	213.622	167.419
176.5	245.595	242.082	235.933	213.622	160.217
177.0	246.298	242.433	235.582	213.095	152.838
177.5	246.473	242.433	235.054	212.919	151.257
178.0	247.176	242.784	234.879	212.744	151.608
178.5	247.527	242.960	235.054	212.392	151.960
179.0	247.879	242.960	234.879	211.865	152.135
179.5	248.230	242.960	234.703	211.690	152.311
180.0	222.581	222.581	222.581	222.581	222.581



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L170-850-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2011.27	N.A.	11.70
0-30	4214.29	N.A.	24.50
0-40	6769.67	N.A.	39.40
0-60	11456.79	N.A.	66.70
0-80	14273.11	N.A.	83.10
0-90	14981.41	N.A.	87.30
10-90	14457.07	N.A.	84.20
20-40	4758.4	N.A.	27.70
20-50	7274.83	N.A.	42.40
40-70	6356.74	N.A.	37.00
60-80	2816.32	N.A.	16.40
70-80	1146.7	N.A.	6.70
80-90	708.30	N.A.	4.10
90-110	827.30	N.A.	4.80
90-120	1175.58	N.A.	6.80
90-130	1496.12	N.A.	8.70
90-150	1964.14	N.A.	11.40
90-180	2187.87	N.A.	12.70
110-180	1360.57	N.A.	7.90
0-180	17169.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	524.35
10-20	1486.92
20-30	2203.02
30-40	2555.38
40-50	2516.42
50-60	2170.69
60-70	1669.62
70-80	1146.7
80-90	708.30
90-100	453.81
100-110	373.49
110-120	348.28
120-130	320.54
130-140	269.36
140-150	198.65
150-160	129.88
160-170	71.56
170-180	22.29

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L170-850-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**  
**PHOTOMETRIC FILENAME : 75W-8-L170-850-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

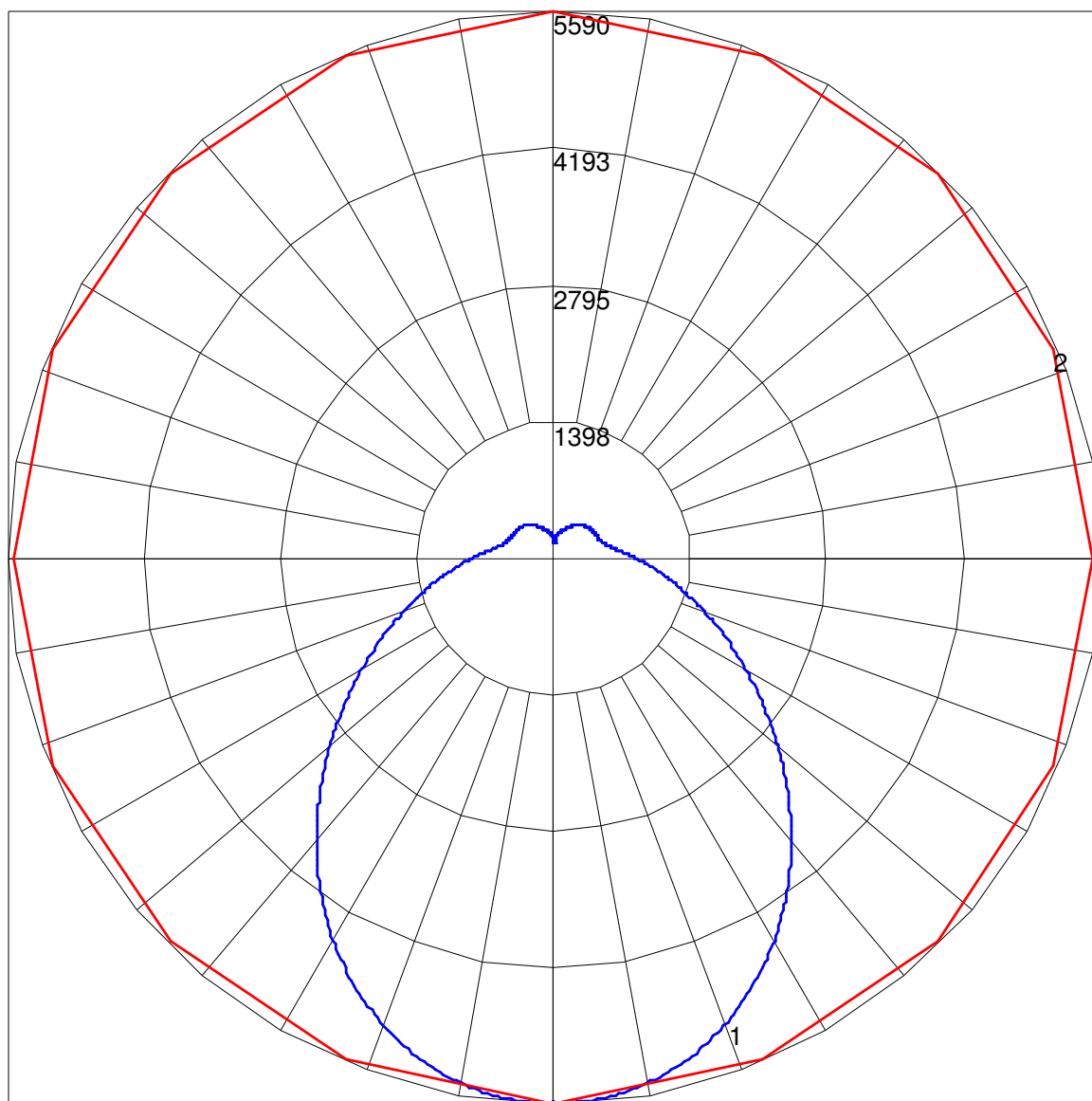
Reflectances

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	19.3	20.7	19.8	21.2	21.8	21.0	22.4	21.6	22.9	23.5
	3H	20.7	21.9	21.2	22.5	23.1	23.2	24.5	23.8	25.0	25.7
	4H	21.1	22.3	21.7	22.8	23.5	24.3	25.5	24.9	26.0	26.7
	6H	21.4	22.5	22.0	23.1	23.8	25.4	26.5	26.0	27.1	27.8
	8H	21.5	22.5	22.1	23.1	23.8	26.1	27.1	26.7	27.7	28.4
	12H	21.5	22.5	22.1	23.1	23.8	26.8	27.7	27.4	28.4	29.1
4H	2H	20.0	21.2	20.6	21.8	22.5	21.4	22.6	22.0	23.2	23.8
	3H	21.6	22.6	22.2	23.3	23.9	23.9	24.8	24.5	25.5	26.2
	4H	22.2	23.1	22.8	23.7	24.5	25.1	26.0	25.7	26.6	27.4
	6H	22.6	23.4	23.3	24.1	24.8	26.5	27.2	27.1	27.9	28.6
	8H	22.7	23.5	23.4	24.1	24.9	27.2	27.9	27.8	28.6	29.3
	12H	22.8	23.5	23.5	24.2	24.9	28.0	28.7	28.7	29.4	30.1
8H	4H	22.8	23.5	23.4	24.2	24.9	25.3	26.0	26.0	26.7	27.5
	6H	23.4	24.0	24.0	24.7	25.4	26.8	27.5	27.5	28.2	28.9
	8H	23.6	24.1	24.3	24.8	25.6	27.7	28.3	28.4	29.0	29.7
	12H	23.7	24.2	24.4	24.9	25.7	28.7	29.2	29.4	29.9	30.7
12H	4H	23.0	23.6	23.6	24.3	25.1	25.3	26.0	26.0	26.7	27.4
	6H	23.6	24.2	24.3	24.9	25.7	26.9	27.4	27.6	28.1	28.9
	8H	23.9	24.4	24.6	25.1	25.9	27.8	28.3	28.5	29.0	29.8

Maximum UGR = 30.7

POLAR GRAPH



Maximum Candela = 5590.01 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.)