

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-835-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-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	16197
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
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	17916	15978	15715
55	15586	13709	13796
65	13201	11779	12296
75	10760	10345	11493
85	8451	10293	12143

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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	5242.106	5242.106	5242.106	5242.106	5242.106
0.5	5217.246	5237.134	5240.449	5238.792	5273.595
1.0	5217.246	5238.792	5238.792	5237.134	5271.938
1.5	5212.274	5238.792	5237.134	5235.477	5273.595
2.0	5210.617	5233.820	5237.134	5233.820	5268.623
2.5	5210.617	5233.820	5232.162	5232.162	5265.309
3.0	5205.645	5228.848	5228.848	5228.848	5261.994
3.5	5202.331	5223.876	5223.876	5225.533	5258.679
4.0	5199.016	5220.561	5220.561	5218.904	5255.365
4.5	5190.729	5215.589	5217.246	5215.589	5250.393
5.0	5185.757	5210.617	5210.617	5210.617	5245.421
5.5	5179.128	5203.988	5203.988	5205.645	5238.792
6.0	5175.813	5195.701	5197.359	5197.359	5232.162
6.5	5164.212	5189.072	5190.729	5190.729	5223.876
7.0	5157.583	5180.785	5182.443	5180.785	5217.246
7.5	5150.954	5170.841	5174.156	5174.156	5208.960
8.0	5142.667	5164.212	5164.212	5164.212	5197.359
8.5	5134.380	5152.611	5155.926	5155.926	5187.415
9.0	5121.122	5144.324	5145.982	5144.324	5175.813
9.5	5112.835	5132.723	5132.723	5132.723	5169.184
10.0	5099.577	5119.464	5119.464	5122.779	5155.926
10.5	5087.975	5107.863	5109.521	5109.521	5144.324
11.0	5076.374	5096.262	5097.919	5096.262	5131.066
11.5	5061.458	5083.003	5086.318	5083.003	5119.464
12.0	5048.200	5068.088	5071.402	5071.402	5104.549
12.5	5034.941	5053.172	5058.144	5054.829	5091.290
13.0	5020.025	5039.913	5043.228	5041.570	5076.374
13.5	5005.109	5023.340	5026.655	5026.655	5063.116
14.0	4986.879	5006.767	5010.081	5010.081	5044.885
14.5	4971.963	4990.193	4993.508	4993.508	5031.626
15.0	4957.047	4973.620	4975.278	4975.278	5011.739
15.5	4938.817	4953.732	4958.704	4958.704	4991.851
16.0	4918.929	4935.502	4940.474	4940.474	4975.278
16.5	4902.355	4915.614	4920.586	4922.243	4957.047
17.0	4879.153	4894.069	4900.698	4902.355	4937.159
17.5	4859.265	4874.181	4880.810	4882.468	4917.271
18.0	4841.035	4854.293	4859.265	4864.237	4899.041
18.5	4819.489	4834.405	4839.377	4842.692	4877.496
19.0	4797.944	4809.545	4817.832	4821.147	4854.293
19.5	4773.084	4789.658	4796.287	4802.916	4832.748
20.0	4746.567	4764.798	4773.084	4778.056	4809.545
20.5	4720.050	4743.253	4749.882	4756.511	4788.000
21.0	4698.505	4716.735	4721.707	4734.966	4764.798
21.5	4673.645	4691.876	4700.162	4706.792	4739.938
22.0	4647.128	4668.673	4676.960	4683.589	4718.393
22.5	4623.926	4638.841	4650.443	4660.387	4693.533
23.0	4595.751	4612.324	4623.926	4633.869	4667.016
23.5	4565.919	4584.150	4599.066	4609.010	4642.156
24.0	4536.088	4555.975	4570.891	4582.492	4615.639
24.5	4511.228	4527.801	4544.374	4554.318	4585.807
25.0	4483.053	4499.626	4517.857	4527.801	4559.290
25.5	4451.564	4471.452	4486.368	4501.284	4527.801
26.0	4421.732	4439.963	4459.851	4473.109	4502.941
26.5	4390.243	4408.474	4431.676	4443.278	4474.767

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**CANDELA TABULATION - (Cont.)**

27.0	4358.754	4375.327	4403.502	4418.418	4446.592
27.5	4322.293	4343.838	4372.013	4385.271	4418.418
28.0	4295.776	4312.349	4340.524	4355.440	4386.929
28.5	4260.972	4280.860	4309.035	4323.950	4355.440
29.0	4227.826	4247.714	4275.888	4294.119	4325.608
29.5	4193.022	4212.910	4242.742	4260.972	4292.461
30.0	4158.218	4179.764	4209.595	4232.798	4264.287
30.5	4121.757	4143.302	4178.106	4201.309	4231.140
31.0	4086.954	4108.499	4143.302	4168.162	4196.337
31.5	4050.492	4075.352	4110.156	4136.673	4166.505
32.0	4015.689	4037.234	4077.010	4101.869	4131.701
32.5	3977.570	4000.773	4042.206	4068.723	4098.555
33.0	3941.109	3965.969	4004.087	4035.577	4065.408
33.5	3906.306	3929.508	3970.941	3999.116	4030.605
34.0	3864.873	3891.390	3934.480	3965.969	3999.116
34.5	3826.754	3854.929	3899.676	3929.508	3962.654
35.0	3791.950	3815.153	3864.873	3896.362	3927.851
35.5	3747.203	3778.692	3826.754	3859.901	3891.390
36.0	3712.399	3738.916	3790.293	3823.439	3856.586
36.5	3669.309	3699.140	3752.175	3788.636	3823.439
37.0	3629.533	3661.022	3714.056	3750.517	3788.636
37.5	3588.100	3619.589	3677.595	3717.371	3750.517
38.0	3546.667	3579.813	3637.820	3679.253	3710.742
38.5	3503.577	3538.380	3599.701	3644.449	3674.281
39.0	3465.458	3496.947	3559.925	3606.330	3644.449
39.5	3422.368	3458.829	3521.807	3568.212	3604.673
40.0	3375.963	3415.739	3482.031	3533.408	3566.555
40.5	3332.872	3374.306	3443.913	3496.947	3530.094
41.0	3293.097	3332.872	3404.137	3458.829	3491.975
41.5	3250.006	3291.439	3364.362	3420.710	3455.514
42.0	3206.916	3250.006	3324.586	3384.249	3419.053
42.5	3165.483	3206.916	3283.153	3346.131	3380.935
43.0	3119.078	3165.483	3245.034	3309.670	3344.474
43.5	3079.302	3122.393	3203.601	3271.552	3308.013
44.0	3034.555	3079.302	3162.168	3235.091	3269.894
44.5	2993.122	3037.869	3120.735	3195.315	3231.776
45.0	2950.031	2994.779	3080.960	3160.511	3196.972
45.5	2906.941	2953.346	3041.184	3124.050	3160.511
46.0	2863.851	2910.256	2998.094	3084.274	3122.393
46.5	2820.760	2867.165	2961.633	3051.128	3085.932
47.0	2776.013	2825.732	2920.200	3011.352	3049.471
47.5	2732.922	2782.642	2878.767	2973.234	3011.352
48.0	2691.489	2739.552	2837.334	2938.430	2973.234
48.5	2645.084	2698.119	2799.215	2898.654	2936.773
49.0	2603.651	2653.371	2756.125	2860.536	2898.654
49.5	2560.561	2611.938	2716.349	2824.075	2862.193
50.0	2515.813	2568.848	2676.573	2784.299	2824.075
50.5	2474.380	2527.414	2635.140	2751.153	2789.271
51.0	2431.290	2484.324	2598.679	2713.034	2752.810
51.5	2389.857	2441.234	2557.246	2676.573	2716.349
52.0	2345.109	2399.801	2517.471	2638.455	2679.888
52.5	2302.019	2356.710	2479.352	2600.337	2645.084
53.0	2257.271	2315.277	2439.576	2567.190	2606.966
53.5	2214.181	2273.844	2401.458	2529.072	2572.162
54.0	2172.748	2232.411	2363.340	2492.611	2537.358
54.5	2132.972	2189.321	2325.221	2459.464	2502.555

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**CANDELA TABULATION - (Cont.)**

55.0	2091.539	2149.545	2287.103	2421.346	2471.066
55.5	2056.735	2108.112	2248.985	2386.542	2432.947
56.0	2016.960	2071.651	2212.524	2351.738	2398.143
56.5	1975.527	2033.533	2174.405	2316.935	2364.997
57.0	1935.751	1995.414	2137.944	2282.131	2330.193
57.5	1894.318	1955.639	2106.455	2248.985	2292.075
58.0	1852.885	1915.863	2069.994	2212.524	2263.900
58.5	1813.109	1876.087	2033.533	2181.034	2230.754
59.0	1773.333	1836.312	1998.729	2152.860	2195.950
59.5	1733.558	1798.193	1967.240	2118.056	2169.433
60.0	1693.782	1758.418	1932.436	2084.910	2136.287
60.5	1654.835	1720.299	1897.633	2053.421	2103.140
61.0	1615.722	1682.181	1862.829	2021.932	2071.651
61.5	1576.941	1644.394	1828.025	1990.442	2041.819
62.0	1538.823	1606.938	1794.879	1960.611	2010.330
62.5	1501.201	1569.814	1760.075	1930.779	1980.499
63.0	1463.083	1532.856	1726.928	1899.290	1953.981
63.5	1425.296	1496.395	1695.439	1869.458	1924.150
64.0	1388.504	1460.431	1662.293	1837.969	1894.318
64.5	1351.877	1425.296	1630.804	1808.137	1864.486
65.0	1315.581	1389.995	1599.149	1778.305	1836.312
65.5	1279.783	1355.523	1567.826	1748.474	1806.480
66.0	1243.488	1321.051	1536.834	1718.642	1778.305
66.5	1208.021	1287.407	1506.008	1690.467	1750.131
67.0	1173.383	1254.095	1475.347	1660.636	1721.956
67.5	1138.580	1221.280	1445.350	1632.793	1693.782
68.0	1104.273	1189.294	1415.518	1604.618	1667.265
68.5	1070.464	1157.473	1386.349	1577.272	1639.588
69.0	1036.820	1125.984	1357.512	1549.761	1613.402
69.5	1003.674	1095.158	1329.006	1523.078	1587.382
70.0	970.693	1064.829	1300.997	1496.892	1561.528
70.5	938.541	1034.831	1272.988	1470.707	1536.005
71.0	906.720	1005.165	1245.477	1444.852	1510.814
71.5	875.231	976.162	1218.628	1419.661	1485.954
72.0	844.405	946.993	1191.780	1394.636	1461.757
72.5	813.413	918.819	1165.594	1370.107	1437.726
73.0	783.250	890.810	1139.574	1345.910	1413.529
73.5	753.915	863.133	1114.383	1321.879	1389.995
74.0	724.912	836.284	1088.860	1298.677	1366.295
74.5	696.406	809.270	1064.497	1275.640	1343.922
75.0	668.066	782.918	1040.300	1253.100	1322.211
75.5	640.223	757.230	1016.435	1230.727	1300.168
76.0	613.209	732.039	993.232	1208.518	1278.623
76.5	586.360	707.179	970.196	1186.808	1257.078
77.0	559.843	682.485	947.490	1165.262	1236.196
77.5	533.823	658.454	925.117	1144.380	1215.479
78.0	508.135	634.920	903.406	1123.829	1195.094
78.5	482.943	611.717	881.860	1103.113	1174.875
79.0	458.249	589.178	860.978	1083.059	1154.987
79.5	433.721	566.804	840.427	1063.503	1135.099
80.0	409.524	544.761	819.877	1044.112	1116.206
80.5	385.990	523.382	799.989	1024.556	1096.981
81.0	363.119	502.334	780.930	1005.662	1078.253
81.5	339.917	481.783	761.870	986.935	1059.525
82.0	317.543	461.730	743.308	968.870	1041.461
82.5	295.666	442.008	725.078	950.805	1023.727

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**CANDELA TABULATION - (Cont.)**

83.0	274.121	422.783	707.179	933.403	1006.491
83.5	252.741	404.055	690.108	915.670	988.592
84.0	231.859	385.824	673.535	898.931	971.522
84.5	211.143	368.257	657.293	882.358	954.783
85.0	191.255	351.186	641.383	865.950	938.044
85.5	171.367	334.945	625.804	850.040	921.802
86.0	151.811	319.366	610.557	834.461	905.726
86.5	132.420	304.781	596.138	818.882	889.650
87.0	113.361	290.694	581.554	804.132	873.905
87.5	94.302	277.601	567.798	789.216	858.824
88.0	75.408	264.840	554.208	774.798	843.576
88.5	56.349	252.907	541.115	760.545	828.826
89.0	38.947	241.637	528.685	746.789	814.242
89.5	24.694	231.196	516.587	733.530	799.989
90.0	14.750	221.915	505.483	720.935	786.896
90.5	10.441	213.794	495.208	708.339	772.975
91.0	11.104	206.336	484.766	695.578	759.716
91.5	13.259	199.210	474.325	683.479	746.457
92.0	15.745	193.244	464.381	671.215	733.530
92.5	18.396	188.106	455.929	659.448	720.769
93.0	21.048	183.631	447.145	648.344	708.505
93.5	23.865	180.151	438.859	637.406	696.903
94.0	26.849	177.168	431.069	627.130	685.634
94.5	29.666	175.013	423.777	616.689	674.032
95.0	32.483	173.356	416.982	606.414	662.928
95.5	35.135	172.196	410.684	596.636	651.990
96.0	37.290	171.698	405.215	587.189	641.217
96.5	39.444	171.698	399.746	578.405	631.274
97.0	41.433	171.864	394.774	569.953	621.330
97.5	43.588	172.527	390.133	561.832	612.214
98.0	45.411	173.190	385.990	553.877	602.933
98.5	47.565	174.019	382.510	546.253	594.315
99.0	49.720	175.013	378.864	539.127	585.863
99.5	52.040	176.173	375.715	532.331	577.576
100.0	54.029	177.333	373.229	526.034	570.118
100.5	56.349	178.659	370.743	519.902	562.495
101.0	58.338	179.985	368.920	514.101	555.700
101.5	60.326	181.311	367.097	508.632	548.739
102.0	62.150	182.637	365.771	503.494	542.607
102.5	63.973	183.963	364.445	498.688	536.475
103.0	65.796	185.454	363.450	493.882	531.006
103.5	67.784	186.946	362.622	489.738	525.371
104.0	69.939	188.272	361.793	485.927	520.233
104.5	72.093	189.763	361.296	482.280	515.427
105.0	74.082	191.255	360.799	478.966	510.786
105.5	75.905	192.581	360.302	475.485	506.809
106.0	78.060	194.238	360.136	472.502	502.831
106.5	80.049	195.730	360.136	469.685	498.854
107.0	82.037	197.387	360.136	467.033	495.539
107.5	83.860	198.713	360.136	465.044	492.059
108.0	86.181	200.370	360.136	462.724	488.578
108.5	88.335	202.027	360.302	461.067	486.258
109.0	90.490	203.353	360.633	458.912	483.938
109.5	92.810	204.845	360.799	457.421	481.452
110.0	95.130	206.336	361.130	455.763	479.463
110.5	97.450	207.828	361.462	454.272	477.640

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**CANDELA TABULATION - (Cont.)**

111.0	99.771	209.320	361.627	452.946	475.651
111.5	102.091	210.645	361.793	451.951	473.994
112.0	104.577	212.137	362.125	450.957	472.005
112.5	107.063	213.629	362.456	449.797	470.182
113.0	109.715	215.120	362.953	448.968	469.353
113.5	112.201	216.446	362.953	448.140	468.193
114.0	114.852	217.772	363.285	447.477	467.033
114.5	117.338	219.264	363.616	446.648	466.039
115.0	119.990	220.424	363.948	446.151	465.210
115.5	122.642	221.915	363.948	445.654	464.381
116.0	125.128	223.241	364.445	444.991	463.387
116.5	127.448	224.567	364.776	444.328	463.055
117.0	130.100	226.059	365.108	444.328	462.227
117.5	132.586	227.219	365.439	443.665	461.730
118.0	134.740	228.379	365.771	443.333	461.067
118.5	137.226	229.539	365.936	442.836	460.901
119.0	139.381	230.699	366.268	442.339	459.907
119.5	141.701	231.528	366.599	441.842	459.741
120.0	143.855	232.356	366.434	441.510	458.912
120.5	146.010	233.351	366.599	440.847	458.746
121.0	148.164	234.014	366.931	440.350	458.084
121.5	150.485	234.842	366.765	439.687	457.752
122.0	152.639	235.837	366.765	439.356	457.255
122.5	154.794	236.831	366.931	438.693	456.095
123.0	156.948	237.826	366.765	438.030	455.929
123.5	158.937	238.654	366.434	437.533	454.935
124.0	160.594	239.317	366.434	437.036	454.769
124.5	162.252	239.980	366.434	436.207	454.106
125.0	163.909	240.809	366.102	435.378	453.443
125.5	165.566	241.306	365.771	434.881	452.614
126.0	167.058	241.969	365.605	433.887	451.951
126.5	168.384	242.798	365.274	433.224	451.454
127.0	169.875	243.129	364.942	432.395	450.791
127.5	171.036	243.626	364.445	431.566	449.631
128.0	172.527	243.626	364.279	430.572	448.968
128.5	173.687	243.958	363.616	429.743	448.305
129.0	174.847	244.289	362.953	428.915	447.477
129.5	175.842	244.786	361.793	427.589	446.482
130.0	176.670	245.118	360.633	426.760	445.488
130.5	177.499	245.449	359.307	425.766	444.328
131.0	177.996	245.946	357.981	424.274	443.168
131.5	178.659	246.444	356.655	422.948	442.008
132.0	179.322	246.941	355.164	422.120	441.013
132.5	179.654	247.107	353.507	420.462	439.522
133.0	180.151	247.272	352.844	418.971	437.698
133.5	180.317	247.107	351.849	417.811	436.870
134.0	180.482	246.775	351.186	416.485	435.710
134.5	180.979	246.112	350.358	414.993	433.555
135.0	181.477	245.615	349.363	413.004	431.898
135.5	181.311	244.289	348.535	411.679	430.572
136.0	181.642	244.123	347.374	410.021	428.915
136.5	181.974	243.626	346.546	408.198	427.257
137.0	182.140	242.798	345.220	406.707	425.434
137.5	182.305	241.969	344.060	404.718	423.777
138.0	182.637	241.472	342.403	403.060	421.788
138.5	182.637	240.809	340.248	401.237	420.297

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

139.0	182.471	240.312	337.762	399.083	417.976
139.5	182.471	239.649	334.779	396.763	416.319
140.0	182.471	238.820	331.464	394.608	413.999
140.5	182.471	238.323	328.481	391.956	411.513
141.0	182.471	237.991	325.166	389.139	409.524
141.5	182.471	237.328	321.852	386.653	407.535
142.0	182.305	236.997	318.703	383.504	405.381
142.5	182.140	236.500	315.388	380.687	402.895
143.0	181.974	236.003	312.239	378.035	400.409
143.5	181.974	235.340	308.593	375.217	398.088
144.0	181.974	234.511	305.444	373.063	395.437
144.5	182.471	233.848	302.295	370.577	393.117
145.0	183.134	233.185	298.815	368.422	390.465
145.5	184.294	232.356	295.666	366.268	387.813
146.0	185.786	231.693	292.683	363.948	385.327
146.5	187.277	231.031	290.197	361.462	382.510
147.0	188.769	230.202	287.379	358.976	379.692
147.5	190.095	229.870	285.225	356.490	376.875
148.0	191.586	229.207	282.905	353.672	373.892
148.5	192.912	229.042	281.082	351.021	370.908
149.0	194.569	229.042	279.093	348.369	368.257
149.5	195.730	229.539	277.270	345.551	364.942
150.0	197.055	229.870	275.447	342.900	361.462
150.5	198.216	230.036	273.458	339.917	357.816
151.0	199.044	230.533	270.806	336.933	353.507
151.5	199.873	230.699	267.989	333.784	349.529
152.0	200.867	231.031	265.337	330.470	345.551
152.5	201.862	231.362	262.851	326.989	341.242
153.0	202.525	231.528	260.199	323.012	337.762
153.5	203.353	232.025	257.382	318.869	333.784
154.0	204.016	231.859	254.896	314.228	330.470
154.5	204.845	232.025	252.741	309.753	327.155
155.0	205.176	232.356	250.587	304.616	324.669
155.5	205.839	232.522	248.432	299.809	322.017
156.0	206.336	232.522	246.941	294.672	319.697
156.5	207.165	232.522	245.449	289.534	316.714
157.0	207.497	232.854	243.958	284.893	313.897
157.5	207.994	232.854	242.963	280.419	310.748
158.0	208.657	232.688	242.466	275.778	307.765
158.5	208.822	232.688	241.803	271.966	304.284
159.0	209.651	232.191	241.306	268.320	301.301
159.5	210.314	231.859	240.477	264.840	297.986
160.0	211.143	231.528	239.649	262.022	294.672
160.5	212.137	231.362	238.986	259.371	291.523
161.0	212.800	230.865	238.820	256.553	288.374
161.5	213.794	230.699	238.488	253.736	286.054
162.0	214.623	230.368	238.986	251.416	284.065
162.5	215.452	230.368	239.317	248.930	281.745
163.0	216.446	230.202	239.483	246.278	279.756
163.5	217.275	230.202	239.814	243.460	277.270
164.0	217.606	230.202	240.146	239.980	274.950
164.5	218.103	229.870	239.814	237.328	271.966
165.0	218.601	229.870	239.317	234.677	268.983
165.5	219.098	229.705	238.820	232.854	265.834
166.0	219.595	229.539	238.488	230.865	261.028
166.5	220.092	229.539	237.991	229.207	258.708

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

167.0	220.755	229.539	237.494	227.716	256.885
167.5	221.087	229.539	236.500	226.390	255.062
168.0	221.584	229.539	235.671	225.064	253.570
168.5	222.578	228.876	234.511	223.904	251.747
169.0	223.075	229.042	233.682	222.744	249.924
169.5	223.904	228.545	232.356	221.418	247.935
170.0	224.236	228.379	231.196	219.761	246.112
170.5	224.733	228.047	229.705	217.938	244.123
171.0	225.064	227.716	228.047	215.949	241.637
171.5	225.561	227.716	226.556	214.126	239.649
172.0	226.390	227.384	225.727	212.303	236.665
172.5	226.887	227.384	224.733	210.314	233.351
173.0	227.550	227.053	223.904	208.491	227.716
173.5	228.379	227.219	223.573	206.668	219.264
174.0	229.042	227.219	223.407	205.176	208.822
174.5	229.539	227.219	223.075	203.685	196.393
175.0	230.533	227.716	222.910	202.525	182.305
175.5	230.865	227.882	222.744	202.027	167.555
176.0	231.528	228.213	222.744	201.530	157.943
176.5	231.693	228.379	222.578	201.530	151.148
177.0	232.356	228.710	222.247	201.033	144.187
177.5	232.522	228.710	221.750	200.867	142.695
178.0	233.185	229.042	221.584	200.702	143.027
178.5	233.517	229.207	221.750	200.370	143.358
179.0	233.848	229.207	221.584	199.873	143.524
179.5	234.179	229.207	221.418	199.707	143.690
180.0	209.983	209.983	209.983	209.983	209.983



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1897.42	N.A.	11.70
0-30	3975.74	N.A.	24.50
0-40	6386.48	N.A.	39.40
0-60	10808.29	N.A.	66.70
0-80	13465.2	N.A.	83.10
0-90	14133.41	N.A.	87.30
10-90	13638.74	N.A.	84.20
20-40	4489.06	N.A.	27.70
20-50	6863.04	N.A.	42.40
40-70	5996.92	N.A.	37.00
60-80	2656.91	N.A.	16.40
70-80	1081.8	N.A.	6.70
80-90	668.21	N.A.	4.10
90-110	780.47	N.A.	4.80
90-120	1109.04	N.A.	6.80
90-130	1411.44	N.A.	8.70
90-150	1852.96	N.A.	11.40
90-180	2064.03	N.A.	12.70
110-180	1283.56	N.A.	7.90
0-180	16197.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	494.67
10-20	1402.76
20-30	2078.32
30-40	2410.74
40-50	2373.99
50-60	2047.82
60-70	1575.11
70-80	1081.8
80-90	668.21
90-100	428.12
100-110	352.35
110-120	328.57
120-130	302.40
130-140	254.12
140-150	187.40
150-160	122.53
160-170	67.51
170-180	21.03

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L170-835-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-L170-835-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

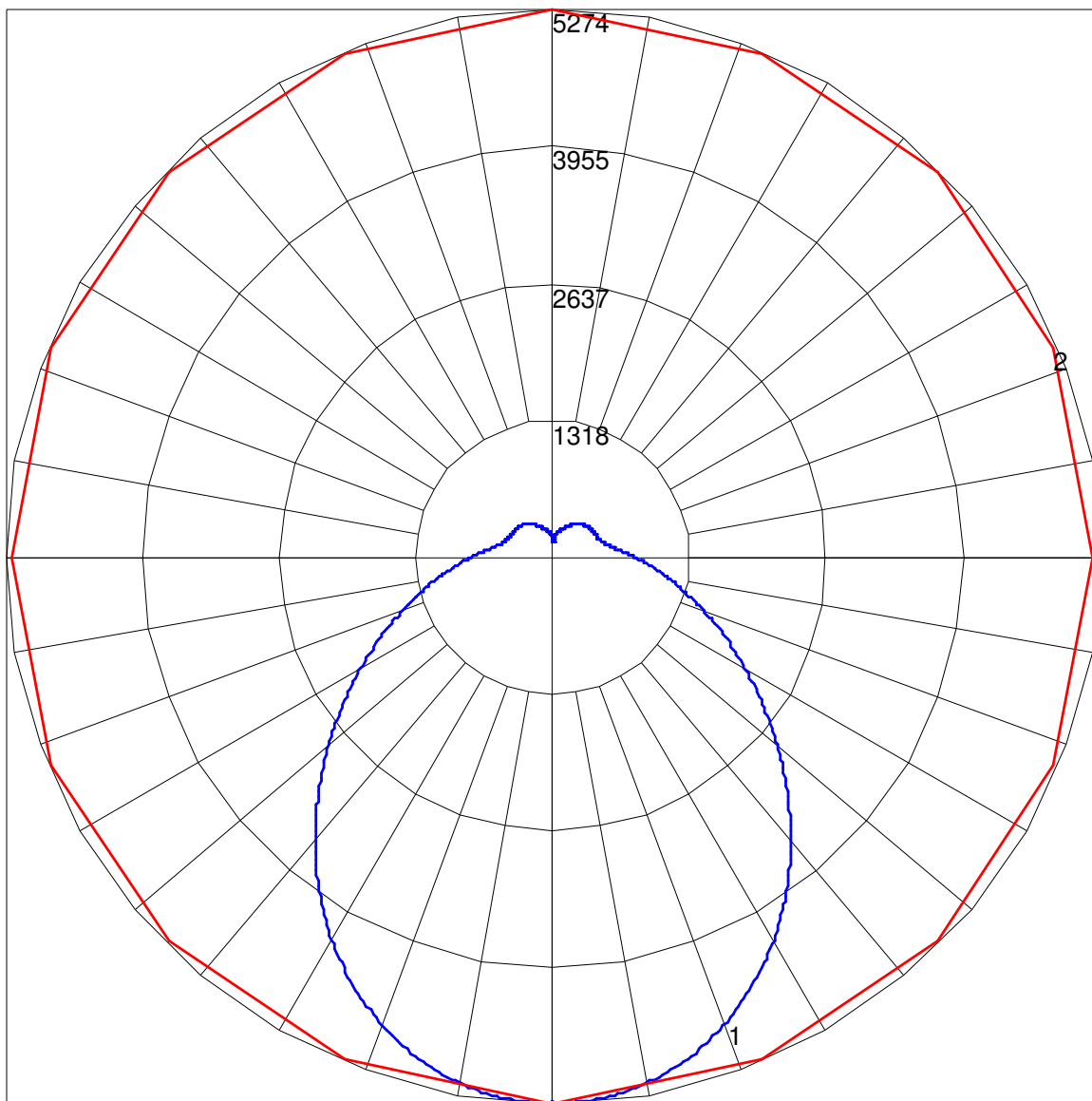
Reflectances

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	19.1	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 = 5273.595 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.)