

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L200-830-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-L200-830-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	19089
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	136.5
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	21114	18830	18521
55	18368	16157	16259
65	15558	13882	14490
75	12681	12191	13544
85	9959	12130	14310

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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	6177.832	6177.832	6177.832	6177.832	6177.832
0.5	6148.535	6171.973	6175.879	6173.926	6214.942
1.0	6148.535	6173.926	6173.926	6171.973	6212.989
1.5	6142.676	6173.926	6171.973	6170.020	6214.942
2.0	6140.722	6168.067	6171.973	6168.067	6209.083
2.5	6140.722	6168.067	6166.113	6166.113	6205.177
3.0	6134.863	6162.207	6162.207	6162.207	6201.270
3.5	6130.957	6156.348	6156.348	6158.301	6197.364
4.0	6127.050	6152.441	6152.441	6150.488	6193.458
4.5	6117.285	6146.582	6148.535	6146.582	6187.598
5.0	6111.425	6140.722	6140.722	6140.722	6181.739
5.5	6103.612	6132.910	6132.910	6134.863	6173.926
6.0	6099.706	6123.144	6125.097	6125.097	6166.113
6.5	6086.034	6115.331	6117.285	6117.285	6156.348
7.0	6078.221	6105.566	6107.519	6105.566	6148.535
7.5	6070.409	6093.847	6097.753	6097.753	6138.769
8.0	6060.643	6086.034	6086.034	6086.034	6125.097
8.5	6050.877	6072.362	6076.268	6076.268	6113.378
9.0	6035.252	6062.596	6064.549	6062.596	6099.706
9.5	6025.486	6048.924	6048.924	6048.924	6091.894
10.0	6009.861	6033.299	6033.299	6037.205	6076.268
10.5	5996.189	6019.627	6021.580	6021.580	6062.596
11.0	5982.517	6005.955	6007.908	6005.955	6046.971
11.5	5964.938	5990.329	5994.236	5990.329	6033.299
12.0	5949.313	5972.751	5976.657	5976.657	6015.720
12.5	5933.688	5955.173	5961.032	5957.126	6000.095
13.0	5916.110	5939.547	5943.454	5941.501	5982.517
13.5	5898.531	5920.016	5923.922	5923.922	5966.892
14.0	5877.046	5900.484	5904.391	5904.391	5945.407
14.5	5859.468	5880.953	5884.859	5884.859	5929.782
15.0	5841.890	5861.421	5863.374	5863.374	5906.344
15.5	5820.405	5837.983	5843.843	5843.843	5882.906
16.0	5796.967	5816.499	5822.358	5822.358	5863.374
16.5	5777.435	5793.061	5798.920	5800.873	5841.890
17.0	5750.091	5767.670	5775.482	5777.435	5818.452
17.5	5726.653	5744.232	5752.044	5753.998	5795.014
18.0	5705.169	5720.794	5726.653	5732.513	5773.529
18.5	5679.778	5697.356	5703.216	5707.122	5748.138
19.0	5654.387	5668.059	5677.824	5681.731	5720.794
19.5	5625.089	5644.621	5652.433	5660.246	5695.403
20.0	5593.839	5615.323	5625.089	5630.949	5668.059
20.5	5562.588	5589.932	5597.745	5605.558	5642.668
21.0	5537.197	5558.682	5564.541	5580.167	5615.323
21.5	5507.900	5529.385	5539.150	5546.963	5586.026
22.0	5476.649	5502.040	5511.806	5519.619	5560.635
22.5	5449.305	5466.884	5480.556	5492.275	5531.338
23.0	5416.102	5435.633	5449.305	5461.024	5500.087
23.5	5380.945	5402.429	5420.008	5431.727	5470.790
24.0	5345.788	5369.226	5386.804	5400.476	5439.539
24.5	5316.491	5336.022	5355.554	5367.273	5404.383
25.0	5283.287	5302.819	5324.303	5336.022	5373.132
25.5	5246.177	5269.615	5287.193	5304.772	5336.022
26.0	5211.020	5232.505	5255.943	5271.568	5306.725
26.5	5173.910	5195.395	5222.739	5236.411	5273.521

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CANDELA TABULATION - (Cont.)

27.0	5136.800	5156.332	5189.535	5207.114	5240.318
27.5	5093.831	5119.222	5152.426	5168.051	5207.114
28.0	5062.580	5082.112	5115.316	5132.894	5170.004
28.5	5021.564	5045.002	5078.206	5095.784	5132.894
29.0	4982.501	5005.939	5039.142	5060.627	5097.737
29.5	4941.485	4964.923	5000.079	5021.564	5058.674
30.0	4900.468	4925.859	4961.016	4988.360	5025.470
30.5	4857.499	4882.890	4923.906	4951.250	4986.407
31.0	4816.483	4841.874	4882.890	4912.187	4945.391
31.5	4773.513	4802.811	4843.827	4875.077	4910.234
32.0	4732.497	4757.888	4804.764	4834.061	4869.218
32.5	4687.574	4714.919	4763.747	4794.998	4830.155
33.0	4644.605	4673.902	4718.825	4755.935	4791.092
33.5	4603.589	4630.933	4679.762	4712.965	4750.075
34.0	4554.760	4586.010	4636.792	4673.902	4712.965
34.5	4509.837	4543.041	4595.776	4630.933	4669.996
35.0	4468.821	4496.165	4554.760	4591.870	4628.980
35.5	4416.086	4453.196	4509.837	4548.900	4586.010
36.0	4375.069	4406.320	4466.868	4505.931	4544.994
36.5	4324.287	4359.444	4421.945	4464.915	4505.931
37.0	4277.412	4314.522	4377.023	4419.992	4464.915
37.5	4228.583	4265.693	4334.053	4380.929	4419.992
38.0	4179.754	4218.817	4287.177	4336.006	4373.116
38.5	4128.972	4169.988	4242.255	4294.990	4330.147
39.0	4084.049	4121.159	4195.379	4250.067	4294.990
39.5	4033.267	4076.237	4150.456	4205.145	4248.114
40.0	3978.579	4025.455	4103.581	4164.129	4203.192
40.5	3927.797	3976.626	4058.658	4121.159	4160.222
41.0	3880.921	3927.797	4011.782	4076.237	4115.300
41.5	3830.139	3878.968	3964.907	4031.314	4072.330
42.0	3779.357	3830.139	3918.031	3988.345	4029.361
42.5	3730.528	3779.357	3869.202	3943.422	3984.438
43.0	3675.840	3730.528	3824.279	3900.453	3941.469
43.5	3628.964	3679.746	3775.451	3855.530	3898.499
44.0	3576.229	3628.964	3726.622	3812.561	3853.577
44.5	3527.400	3580.135	3677.793	3765.685	3808.654
45.0	3476.618	3529.353	3630.917	3724.668	3767.638
45.5	3425.836	3480.524	3584.041	3681.699	3724.668
46.0	3375.054	3429.742	3533.259	3634.823	3679.746
46.5	3324.272	3378.960	3490.290	3595.760	3636.776
47.0	3271.536	3330.131	3441.461	3548.884	3593.807
47.5	3220.754	3279.349	3392.632	3503.962	3548.884
48.0	3171.925	3228.567	3343.803	3462.946	3503.962
48.5	3117.237	3179.738	3298.880	3416.070	3460.992
49.0	3068.408	3127.003	3248.098	3371.147	3416.070
49.5	3017.626	3078.174	3201.223	3328.178	3373.100
50.0	2964.891	3027.392	3154.347	3281.302	3328.178
50.5	2916.062	2978.563	3105.518	3242.239	3287.162
51.0	2865.280	2927.781	3062.549	3197.316	3244.192
51.5	2816.451	2876.999	3013.720	3154.347	3201.223
52.0	2763.716	2828.170	2966.844	3109.424	3158.253
52.5	2712.934	2777.388	2921.921	3064.502	3117.237
53.0	2660.198	2728.559	2875.046	3025.439	3072.314
53.5	2609.416	2679.730	2830.123	2980.516	3031.298
54.0	2560.588	2630.901	2785.200	2937.547	2990.282
54.5	2513.712	2580.119	2740.278	2898.483	2949.266

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55.0	2464.883	2533.243	2695.355	2853.561	2912.156
55.5	2423.867	2484.414	2650.433	2812.545	2867.233
56.0	2376.991	2441.445	2607.463	2771.528	2826.217
56.5	2328.162	2396.522	2562.541	2730.512	2787.154
57.0	2281.286	2351.600	2519.571	2689.496	2746.137
57.5	2232.457	2304.724	2482.461	2650.433	2701.215
58.0	2183.628	2257.848	2439.492	2607.463	2668.011
58.5	2136.753	2210.973	2396.522	2570.353	2628.948
59.0	2089.877	2164.097	2355.506	2537.150	2587.932
59.5	2043.001	2119.174	2318.396	2496.133	2556.681
60.0	1996.125	2072.299	2277.380	2457.070	2517.618
60.5	1950.226	2027.376	2236.364	2419.960	2478.555
61.0	1904.132	1982.453	2195.347	2382.850	2441.445
61.5	1858.428	1937.921	2154.331	2345.740	2406.288
62.0	1813.505	1893.780	2115.268	2310.584	2369.178
62.5	1769.169	1850.029	2074.252	2275.427	2334.021
63.0	1724.246	1806.474	2035.189	2238.317	2302.771
63.5	1679.714	1763.505	1998.079	2203.160	2267.614
64.0	1636.354	1721.121	1959.015	2166.050	2232.457
64.5	1593.189	1679.714	1921.905	2130.893	2197.300
65.0	1550.415	1638.112	1884.600	2095.736	2164.097
65.5	1508.227	1597.486	1847.686	2060.580	2128.940
66.0	1465.453	1556.861	1811.162	2025.423	2095.736
66.5	1423.655	1517.212	1774.833	1992.219	2062.533
67.0	1382.834	1477.953	1738.699	1957.062	2029.329
67.5	1341.818	1439.281	1703.347	1924.249	1996.125
68.0	1301.388	1401.585	1668.191	1891.046	1964.875
68.5	1261.543	1364.084	1633.815	1858.819	1932.257
69.0	1221.894	1326.974	1599.830	1826.396	1901.397
69.5	1182.831	1290.645	1566.236	1794.950	1870.733
70.0	1143.963	1254.903	1533.227	1764.090	1840.264
70.5	1106.072	1219.551	1500.219	1733.231	1810.185
71.0	1068.572	1184.589	1467.797	1702.761	1780.497
71.5	1031.462	1150.409	1436.156	1673.073	1751.200
72.0	995.133	1116.033	1404.514	1643.581	1722.684
72.5	958.609	1082.830	1373.655	1614.674	1694.363
73.0	923.062	1049.821	1342.990	1586.158	1665.847
73.5	888.491	1017.204	1313.302	1557.837	1638.112
74.0	854.310	985.563	1283.223	1530.493	1610.182
74.5	820.716	953.726	1254.512	1503.344	1583.814
75.0	787.317	922.671	1225.996	1476.781	1558.228
75.5	754.504	892.397	1197.871	1450.414	1532.251
76.0	722.668	862.709	1170.526	1424.241	1506.860
76.5	691.027	833.412	1143.378	1398.655	1481.469
77.0	659.776	804.310	1116.619	1373.264	1456.859
77.5	629.112	775.989	1090.252	1348.654	1432.445
78.0	598.838	748.254	1064.665	1324.435	1408.421
78.5	569.150	720.910	1039.274	1300.021	1384.592
79.0	540.048	694.347	1014.665	1276.387	1361.154
79.5	511.141	667.979	990.445	1253.340	1337.717
80.0	482.625	642.002	966.226	1230.488	1315.451
80.5	454.890	616.807	942.788	1207.441	1292.794
81.0	427.936	592.002	920.327	1185.175	1270.723
81.5	400.592	567.782	897.866	1163.104	1248.653
82.0	374.225	544.149	875.990	1141.815	1227.363
82.5	348.443	520.907	854.506	1120.526	1206.464

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CANDELA TABULATION - (Cont.)

83.0	323.052	498.250	833.412	1100.017	1186.152
83.5	297.856	476.179	813.294	1079.119	1165.058
84.0	273.247	454.695	793.763	1059.392	1144.940
84.5	248.832	433.991	774.622	1039.860	1125.213
85.0	225.394	413.874	755.871	1020.524	1105.486
85.5	201.956	394.733	737.512	1001.774	1086.345
86.0	178.909	376.373	719.543	983.414	1067.400
86.5	156.057	359.185	702.550	965.054	1048.454
87.0	133.596	342.584	685.362	947.671	1029.899
87.5	111.135	327.154	669.151	930.093	1012.125
88.0	88.869	312.114	653.135	913.100	994.156
88.5	66.407	298.052	637.705	896.303	976.773
89.0	45.899	284.770	623.057	880.092	959.586
89.5	29.102	272.465	608.799	864.467	942.788
90.0	17.383	261.528	595.713	849.623	927.358
90.5	12.305	251.957	583.603	834.779	910.952
91.0	13.086	243.168	571.298	819.740	895.327
91.5	15.625	234.769	558.993	805.482	879.701
92.0	18.555	227.738	547.274	791.028	864.467
92.5	21.680	221.683	537.313	777.161	849.428
93.0	24.805	216.410	526.961	764.075	834.974
93.5	28.125	212.308	517.196	751.184	821.302
94.0	31.641	208.792	508.016	739.074	808.021
94.5	34.961	206.253	499.422	726.769	794.349
95.0	38.282	204.300	491.414	714.660	781.262
95.5	41.407	202.933	483.992	703.136	768.372
96.0	43.946	202.347	477.547	692.003	755.676
96.5	46.485	202.347	471.101	681.651	743.957
97.0	48.829	202.542	465.242	671.690	732.238
97.5	51.368	203.324	459.773	662.120	721.496
98.0	53.516	204.105	454.890	652.745	710.558
98.5	56.056	205.081	450.788	643.760	700.402
99.0	58.595	206.253	446.491	635.362	690.441
99.5	61.329	207.620	442.780	627.354	680.675
100.0	63.673	208.988	439.851	619.932	671.886
100.5	66.407	210.550	436.921	612.705	662.901
101.0	68.751	212.113	434.773	605.869	654.893
101.5	71.095	213.675	432.624	599.424	646.690
102.0	73.243	215.238	431.062	593.369	639.463
102.5	75.392	216.800	429.499	587.705	632.237
103.0	77.540	218.558	428.327	582.040	625.791
103.5	79.884	220.316	427.351	577.158	619.150
104.0	82.423	221.879	426.374	572.665	613.096
104.5	84.962	223.636	425.788	568.368	607.432
105.0	87.306	225.394	425.202	564.462	601.963
105.5	89.455	226.957	424.616	560.360	597.275
106.0	91.994	228.910	424.421	556.845	592.588
106.5	94.337	230.668	424.421	553.524	587.900
107.0	96.681	232.621	424.421	550.399	583.994
107.5	98.830	234.183	424.421	548.056	579.892
108.0	101.564	236.137	424.421	545.321	575.790
108.5	104.103	238.090	424.616	543.368	573.056
109.0	106.642	239.652	425.007	540.829	570.322
109.5	109.377	241.410	425.202	539.071	567.392
110.0	112.111	243.168	425.593	537.118	565.048
110.5	114.846	244.926	425.983	535.360	562.900

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CANDELA TABULATION - (Cont.)

111.0	117.580	246.684	426.179	533.798	560.556
111.5	120.314	248.246	426.374	532.626	558.603
112.0	123.244	250.004	426.765	531.454	556.259
112.5	126.174	251.762	427.155	530.087	554.110
113.0	129.299	253.520	427.741	529.110	553.134
113.5	132.229	255.082	427.741	528.133	551.767
114.0	135.354	256.645	428.132	527.352	550.399
114.5	138.283	258.403	428.522	526.376	549.227
115.0	141.408	259.770	428.913	525.790	548.251
115.5	144.534	261.528	428.913	525.204	547.274
116.0	147.463	263.090	429.499	524.422	546.102
116.5	150.198	264.653	429.890	523.641	545.712
117.0	153.323	266.410	430.280	523.641	544.735
117.5	156.252	267.778	430.671	522.860	544.149
118.0	158.792	269.145	431.062	522.469	543.368
118.5	161.721	270.512	431.257	521.883	543.173
119.0	164.260	271.879	431.647	521.297	542.001
119.5	166.995	272.856	432.038	520.711	541.805
120.0	169.534	273.832	431.843	520.321	540.829
120.5	172.073	275.004	432.038	519.539	540.634
121.0	174.612	275.786	432.429	518.954	539.852
121.5	177.347	276.762	432.233	518.172	539.462
122.0	179.886	277.934	432.233	517.782	538.876
122.5	182.425	279.106	432.429	517.000	537.509
123.0	184.964	280.278	432.233	516.219	537.313
123.5	187.308	281.254	431.843	515.633	536.141
124.0	189.261	282.036	431.843	515.047	535.946
124.5	191.214	282.817	431.843	514.071	535.165
125.0	193.167	283.794	431.452	513.094	534.383
125.5	195.120	284.380	431.062	512.508	533.407
126.0	196.878	285.161	430.866	511.336	532.626
126.5	198.441	286.137	430.476	510.555	532.040
127.0	200.198	286.528	430.085	509.578	531.258
127.5	201.566	287.114	429.499	508.602	529.891
128.0	203.324	287.114	429.304	507.430	529.110
128.5	204.691	287.505	428.522	506.453	528.329
129.0	206.058	287.895	427.741	505.477	527.352
129.5	207.230	288.481	426.374	503.914	526.180
130.0	208.206	288.872	425.007	502.938	525.008
130.5	209.183	289.262	423.444	501.766	523.641
131.0	209.769	289.848	421.882	500.008	522.274
131.5	210.550	290.434	420.319	498.445	520.907
132.0	211.331	291.020	418.561	497.469	519.735
132.5	211.722	291.216	416.608	495.516	517.977
133.0	212.308	291.411	415.827	493.758	515.828
133.5	212.503	291.216	414.655	492.391	514.852
134.0	212.699	290.825	413.874	490.828	513.485
134.5	213.285	290.044	412.897	489.070	510.946
135.0	213.871	289.458	411.725	486.726	508.992
135.5	213.675	287.895	410.749	485.164	507.430
136.0	214.066	287.700	409.381	483.211	505.477
136.5	214.457	287.114	408.405	481.062	503.524
137.0	214.652	286.137	406.842	479.304	501.375
137.5	214.847	285.161	405.475	476.961	499.422
138.0	215.238	284.575	403.522	475.008	497.078
138.5	215.238	283.794	400.983	472.859	495.320

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	215.042	283.208	398.053	470.320	492.586
139.5	215.042	282.426	394.538	467.586	490.633
140.0	215.042	281.450	390.631	465.046	487.898
140.5	215.042	280.864	387.116	461.921	484.969
141.0	215.042	280.473	383.209	458.601	482.625
141.5	215.042	279.692	379.303	455.671	480.281
142.0	214.847	279.301	375.592	451.960	477.742
142.5	214.652	278.715	371.686	448.640	474.812
143.0	214.457	278.129	367.975	445.515	471.882
143.5	214.457	277.348	363.678	442.195	469.148
144.0	214.457	276.372	359.967	439.655	466.023
144.5	215.042	275.590	356.256	436.726	463.289
145.0	215.824	274.809	352.154	434.187	460.164
145.5	217.191	273.832	348.443	431.647	457.039
146.0	218.949	273.051	344.927	428.913	454.109
146.5	220.707	272.270	341.998	425.983	450.788
147.0	222.464	271.293	338.677	423.054	447.468
147.5	224.027	270.903	336.138	420.124	444.148
148.0	225.785	270.121	333.404	416.803	440.632
148.5	227.347	269.926	331.255	413.678	437.116
149.0	229.301	269.926	328.911	410.553	433.991
149.5	230.668	270.512	326.763	407.233	430.085
150.0	232.230	270.903	324.615	404.108	425.983
150.5	233.597	271.098	322.271	400.592	421.686
151.0	234.574	271.684	319.146	397.077	416.608
151.5	235.551	271.879	315.825	393.366	411.921
152.0	236.723	272.270	312.700	389.459	407.233
152.5	237.894	272.661	309.771	385.358	402.155
153.0	238.676	272.856	306.645	380.670	398.053
153.5	239.652	273.442	303.325	375.787	393.366
154.0	240.434	273.247	300.395	370.318	389.459
154.5	241.410	273.442	297.856	365.045	385.553
155.0	241.801	273.832	295.317	358.990	382.623
155.5	242.582	274.028	292.778	353.326	379.498
156.0	243.168	274.028	291.020	347.271	376.764
156.5	244.144	274.028	289.262	341.216	373.248
157.0	244.535	274.418	287.505	335.748	369.928
157.5	245.121	274.418	286.333	330.474	366.217
158.0	245.902	274.223	285.747	325.005	362.701
158.5	246.098	274.223	284.965	320.513	358.599
159.0	247.074	273.637	284.380	316.216	355.084
159.5	247.855	273.247	283.403	312.114	351.177
160.0	248.832	272.856	282.426	308.794	347.271
160.5	250.004	272.661	281.645	305.669	343.560
161.0	250.785	272.075	281.450	302.349	339.849
161.5	251.957	271.879	281.059	299.028	337.115
162.0	252.934	271.489	281.645	296.294	334.771
162.5	253.910	271.489	282.036	293.364	332.037
163.0	255.082	271.293	282.231	290.239	329.693
163.5	256.059	271.293	282.622	286.919	326.763
164.0	256.449	271.293	283.012	282.817	324.029
164.5	257.035	270.903	282.622	279.692	320.513
165.0	257.621	270.903	282.036	276.567	316.997
165.5	258.207	270.707	281.450	274.418	313.286
166.0	258.793	270.512	281.059	272.075	307.622
166.5	259.379	270.512	280.473	270.121	304.888

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	260.160	270.512	279.887	268.364	302.739
167.5	260.551	270.512	278.715	266.801	300.591
168.0	261.137	270.512	277.739	265.239	298.833
168.5	262.309	269.731	276.372	263.871	296.684
169.0	262.895	269.926	275.395	262.504	294.536
169.5	263.871	269.340	273.832	260.942	292.192
170.0	264.262	269.145	272.465	258.988	290.044
170.5	264.848	268.754	270.707	256.840	287.700
171.0	265.239	268.364	268.754	254.496	284.770
171.5	265.825	268.364	266.996	252.348	282.426
172.0	266.801	267.973	266.020	250.199	278.911
172.5	267.387	267.973	264.848	247.855	275.004
173.0	268.168	267.582	263.871	245.707	268.364
173.5	269.145	267.778	263.481	243.559	258.403
174.0	269.926	267.778	263.285	241.801	246.098
174.5	270.512	267.778	262.895	240.043	231.449
175.0	271.684	268.364	262.699	238.676	214.847
175.5	272.075	268.559	262.504	238.090	197.464
176.0	272.856	268.950	262.504	237.504	186.136
176.5	273.051	269.145	262.309	237.504	178.128
177.0	273.832	269.536	261.918	236.918	169.925
177.5	274.028	269.536	261.332	236.723	168.167
178.0	274.809	269.926	261.137	236.527	168.557
178.5	275.200	270.121	261.332	236.137	168.948
179.0	275.590	270.121	261.137	235.551	169.143
179.5	275.981	270.121	260.942	235.355	169.339
180.0	247.465	247.465	247.465	247.465	247.465

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2236.12	N.A.	11.70
0-30	4685.42	N.A.	24.50
0-40	7526.48	N.A.	39.40
0-60	12737.59	N.A.	66.70
0-80	15868.77	N.A.	83.10
0-90	16656.25	N.A.	87.30
10-90	16073.29	N.A.	84.20
20-40	5290.36	N.A.	27.70
20-50	8088.11	N.A.	42.40
40-70	7067.39	N.A.	37.00
60-80	3131.17	N.A.	16.40
70-80	1274.9	N.A.	6.70
80-90	787.48	N.A.	4.10
90-110	919.79	N.A.	4.80
90-120	1307.01	N.A.	6.80
90-130	1663.38	N.A.	8.70
90-150	2183.72	N.A.	11.40
90-180	2432.46	N.A.	12.70
110-180	1512.68	N.A.	7.90
0-180	19088.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	582.96
10-20	1653.15
20-30	2449.3
30-40	2841.06
40-50	2797.75
50-60	2413.36
60-70	1856.27
70-80	1274.9
80-90	787.48
90-100	504.54
100-110	415.24
110-120	387.22
120-130	356.38
130-140	299.48
140-150	220.86
150-160	144.40
160-170	79.56
170-180	24.78

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L200-830-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-L200-830-DIM-UNV_.IES

UGR TABLE - CORRECTED

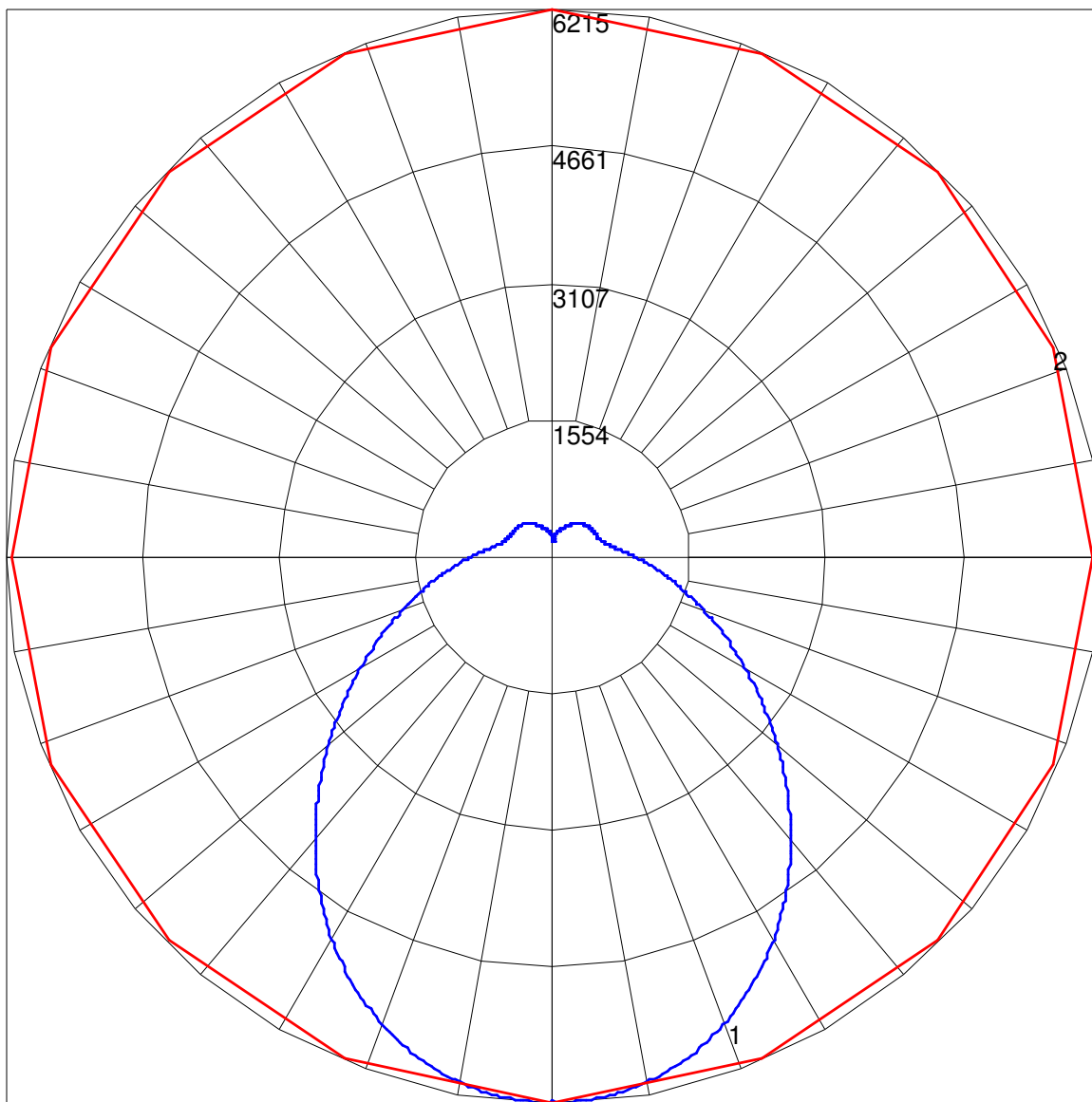
Reflectances

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	19.7	21.1	20.2	21.6	22.2	21.4	22.8	22.0	23.3	23.9
	3H	21.1	22.3	21.6	22.9	23.5	23.6	24.9	24.2	25.4	26.1
	4H	21.5	22.7	22.1	23.2	23.9	24.7	25.9	25.3	26.4	27.1
	6H	21.8	22.9	22.4	23.5	24.2	25.8	26.9	26.4	27.5	28.2
	8H	21.9	22.9	22.5	23.5	24.2	26.5	27.5	27.1	28.1	28.8
	12H	21.9	22.9	22.5	23.5	24.2	27.2	28.1	27.8	28.8	29.5
4H	2H	20.4	21.6	21.0	22.2	22.9	21.8	23.0	22.4	23.6	24.2
	3H	22.0	23.0	22.6	23.7	24.3	24.3	25.2	24.9	25.9	26.6
	4H	22.6	23.5	23.2	24.1	24.9	25.5	26.4	26.1	27.0	27.8
	6H	23.0	23.8	23.7	24.5	25.2	26.9	27.6	27.5	28.3	29.0
	8H	23.1	23.9	23.8	24.5	25.3	27.6	28.3	28.2	29.0	29.7
	12H	23.2	23.9	23.9	24.6	25.3	28.4	29.1	29.1	29.8	30.5
8H	4H	23.2	23.9	23.8	24.6	25.3	25.7	26.4	26.4	27.1	27.9
	6H	23.8	24.4	24.4	25.1	25.8	27.2	27.9	27.9	28.6	29.3
	8H	24.0	24.5	24.7	25.2	26.0	28.1	28.7	28.8	29.4	30.1
	12H	24.1	24.6	24.8	25.3	26.1	29.1	29.6	29.8	30.3	31.1
12H	4H	23.4	24.0	24.0	24.7	25.5	25.7	26.4	26.4	27.1	27.8
	6H	24.0	24.6	24.7	25.3	26.1	27.3	27.8	28.0	28.5	29.3
	8H	24.3	24.8	25.0	25.5	26.3	28.2	28.7	28.9	29.4	30.2

Maximum UGR = 31.1

POLAR GRAPH



Maximum Candela = 6214.942 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.)