

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L200-840-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-L200-840-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	19827
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	174
Total Luminaire Watts	113.9
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	21931	19558	19237
55	19078	16782	16888
65	16160	14419	15051
75	13171	12663	14068
85	10344	12599	14863

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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	6416.772	6416.772	6416.772	6416.772	6416.772
0.5	6386.341	6410.686	6414.743	6412.714	6455.317
1.0	6386.341	6412.714	6412.714	6410.686	6453.288
1.5	6380.255	6412.714	6410.686	6408.657	6455.317
2.0	6378.226	6406.628	6410.686	6406.628	6449.231
2.5	6378.226	6406.628	6404.599	6404.599	6445.173
3.0	6372.140	6400.542	6400.542	6400.542	6441.116
3.5	6368.083	6394.456	6394.456	6396.485	6437.059
4.0	6364.026	6390.399	6390.399	6388.370	6433.001
4.5	6353.882	6384.313	6386.341	6384.313	6426.915
5.0	6347.796	6378.226	6378.226	6378.226	6420.829
5.5	6339.681	6370.112	6370.112	6372.140	6412.714
6.0	6335.624	6359.968	6361.997	6361.997	6404.599
6.5	6321.423	6351.853	6353.882	6353.882	6394.456
7.0	6313.308	6341.710	6343.739	6341.710	6386.341
7.5	6305.193	6329.538	6333.595	6333.595	6376.198
8.0	6295.050	6321.423	6321.423	6321.423	6361.997
8.5	6284.906	6307.222	6311.279	6311.279	6349.825
9.0	6268.677	6297.078	6299.107	6297.078	6335.624
9.5	6258.533	6282.878	6282.878	6282.878	6327.509
10.0	6242.304	6266.648	6266.648	6270.705	6311.279
10.5	6228.103	6252.447	6254.476	6254.476	6297.078
11.0	6213.902	6238.246	6240.275	6238.246	6280.849
11.5	6195.644	6222.017	6226.074	6222.017	6266.648
12.0	6179.414	6203.758	6207.816	6207.816	6248.390
12.5	6163.184	6185.500	6191.586	6187.529	6232.160
13.0	6144.926	6169.271	6173.328	6171.299	6213.902
13.5	6126.668	6148.984	6153.041	6153.041	6197.672
14.0	6104.352	6128.697	6132.754	6132.754	6175.357
14.5	6086.094	6108.410	6112.467	6112.467	6159.127
15.0	6067.836	6088.123	6090.151	6090.151	6134.783
15.5	6045.520	6063.778	6069.864	6069.864	6110.438
16.0	6021.176	6041.463	6047.549	6047.549	6090.151
16.5	6000.889	6017.118	6023.204	6025.233	6067.836
17.0	5972.487	5990.745	5998.860	6000.889	6043.491
17.5	5948.142	5966.401	5974.516	5976.544	6019.147
18.0	5925.827	5942.056	5948.142	5954.229	5996.831
18.5	5899.454	5917.712	5923.798	5927.855	5970.458
19.0	5873.081	5887.282	5897.425	5901.482	5942.056
19.5	5842.650	5862.937	5871.052	5879.167	5915.683
20.0	5810.191	5832.507	5842.650	5848.736	5887.282
20.5	5777.732	5806.134	5814.248	5822.363	5860.908
21.0	5751.359	5773.674	5779.761	5795.990	5832.507
21.5	5720.928	5743.244	5753.387	5761.502	5802.076
22.0	5688.469	5714.842	5724.986	5733.100	5775.703
22.5	5660.067	5678.326	5692.526	5704.699	5745.273
23.0	5625.579	5645.866	5660.067	5672.240	5712.813
23.5	5589.063	5611.379	5629.637	5641.809	5682.383
24.0	5552.546	5576.891	5595.149	5609.350	5649.924
24.5	5522.116	5542.403	5562.690	5574.862	5613.407
25.0	5487.628	5507.915	5530.231	5542.403	5580.948
25.5	5449.083	5473.427	5491.685	5509.944	5542.403
26.0	5412.566	5434.882	5459.226	5475.456	5511.972
26.5	5374.021	5396.337	5424.738	5438.939	5477.485

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**CANDELA TABULATION - (Cont.)**

27.0	5335.476	5355.763	5390.250	5408.509	5442.997
27.5	5290.844	5317.217	5351.705	5367.935	5408.509
28.0	5258.385	5278.672	5313.160	5331.418	5369.964
28.5	5215.782	5240.127	5274.615	5292.873	5331.418
29.0	5175.209	5199.553	5234.041	5256.356	5294.902
29.5	5132.606	5156.950	5193.467	5215.782	5254.328
30.0	5090.003	5116.376	5152.893	5181.295	5219.840
30.5	5045.372	5071.745	5114.348	5142.749	5179.266
31.0	5002.769	5029.142	5071.745	5102.175	5136.663
31.5	4958.138	4988.568	5031.171	5063.630	5100.147
32.0	4915.535	4941.908	4990.597	5021.027	5057.544
32.5	4868.875	4897.277	4947.994	4980.454	5016.970
33.0	4824.244	4854.674	4901.334	4939.880	4976.396
33.5	4781.641	4810.043	4860.760	4895.248	4933.793
34.0	4730.924	4763.383	4816.129	4854.674	4895.248
34.5	4684.264	4718.751	4773.526	4810.043	4850.617
35.0	4641.661	4670.063	4730.924	4769.469	4808.014
35.5	4586.886	4625.431	4684.264	4724.838	4763.383
36.0	4544.283	4576.743	4639.632	4680.206	4720.780
36.5	4491.537	4528.054	4592.972	4637.604	4680.206
37.0	4442.849	4481.394	4546.312	4590.944	4637.604
37.5	4392.131	4430.676	4501.681	4550.370	4590.944
38.0	4341.414	4381.988	4452.992	4503.709	4542.255
38.5	4288.668	4331.270	4406.332	4461.107	4497.623
39.0	4242.007	4280.553	4357.643	4414.447	4461.107
39.5	4189.261	4233.893	4310.983	4367.787	4412.418
40.0	4132.458	4181.147	4262.294	4325.184	4365.758
40.5	4079.712	4130.429	4215.634	4280.553	4321.127
41.0	4031.023	4079.712	4166.946	4233.893	4274.467
41.5	3978.277	4028.994	4118.257	4187.233	4229.835
42.0	3925.531	3978.277	4069.568	4142.601	4185.204
42.5	3874.813	3925.531	4018.851	4095.941	4138.544
43.0	3818.010	3874.813	3972.191	4051.310	4093.912
43.5	3769.321	3822.067	3921.473	4004.650	4049.281
44.0	3714.546	3769.321	3870.756	3960.018	4002.621
44.5	3663.829	3718.603	3820.038	3911.330	3955.961
45.0	3611.082	3665.857	3771.350	3868.727	3913.358
45.5	3558.336	3615.140	3722.661	3824.096	3868.727
46.0	3505.590	3562.394	3669.915	3775.407	3822.067
46.5	3452.844	3509.647	3625.283	3734.833	3777.436
47.0	3398.069	3458.930	3574.566	3686.144	3732.804
47.5	3345.323	3406.184	3523.848	3639.484	3686.144
48.0	3294.605	3353.438	3473.131	3596.881	3639.484
48.5	3237.802	3302.720	3426.471	3548.193	3594.853
49.0	3187.085	3247.945	3373.725	3501.533	3548.193
49.5	3134.338	3197.228	3325.036	3456.901	3503.561
50.0	3079.564	3144.482	3276.347	3408.213	3456.901
50.5	3028.846	3093.764	3225.630	3367.639	3414.299
51.0	2976.100	3041.018	3180.998	3320.979	3369.667
51.5	2925.382	2988.272	3130.281	3276.347	3325.036
52.0	2870.608	2937.555	3081.592	3229.687	3280.405
52.5	2817.861	2884.809	3034.932	3183.027	3237.802
53.0	2763.087	2834.091	2986.243	3142.453	3191.142
53.5	2710.340	2783.374	2939.583	3095.793	3148.539
54.0	2659.623	2732.656	2892.923	3051.162	3105.937
54.5	2610.934	2679.910	2846.263	3010.588	3063.334

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**CANDELA TABULATION - (Cont.)**

55.0	2560.217	2631.221	2799.603	2963.928	3024.789
55.5	2517.614	2580.504	2752.943	2921.325	2978.129
56.0	2468.925	2535.872	2708.312	2878.722	2935.526
56.5	2418.208	2489.212	2661.652	2836.120	2894.952
57.0	2369.519	2442.552	2617.020	2793.517	2852.349
57.5	2318.802	2393.864	2578.475	2752.943	2805.689
58.0	2268.084	2345.175	2533.844	2708.312	2771.201
58.5	2219.396	2296.486	2489.212	2669.767	2730.627
59.0	2170.707	2247.797	2446.610	2635.279	2688.025
59.5	2122.018	2201.137	2408.064	2592.676	2655.566
60.0	2073.329	2152.449	2365.462	2552.102	2614.992
60.5	2025.655	2105.788	2322.859	2513.557	2574.418
61.0	1977.778	2059.128	2280.257	2475.012	2535.872
61.5	1930.306	2012.874	2237.654	2436.466	2499.356
62.0	1883.646	1967.026	2197.080	2399.950	2460.811
62.5	1837.595	1921.583	2154.477	2363.433	2424.294
63.0	1790.935	1876.343	2113.903	2324.888	2391.835
63.5	1744.680	1831.711	2075.358	2288.371	2355.318
64.0	1699.643	1787.689	2034.784	2249.826	2318.802
64.5	1654.809	1744.680	1996.239	2213.309	2282.285
65.0	1610.380	1701.469	1957.491	2176.793	2247.797
65.5	1566.561	1659.272	1919.148	2140.276	2211.281
66.0	1522.132	1617.075	1881.212	2103.760	2176.793
66.5	1478.718	1575.893	1843.478	2069.272	2142.305
67.0	1436.318	1535.116	1805.947	2032.755	2107.817
67.5	1393.716	1494.948	1769.227	1998.673	2073.329
68.0	1351.721	1455.794	1732.711	1964.185	2040.870
68.5	1310.336	1416.843	1697.006	1930.712	2006.991
69.0	1269.153	1378.297	1661.707	1897.035	1974.937
69.5	1228.579	1340.564	1626.813	1864.373	1943.087
70.0	1188.208	1303.438	1592.528	1832.320	1911.439
70.5	1148.852	1266.719	1558.243	1800.267	1880.197
71.0	1109.901	1230.405	1524.567	1768.619	1849.361
71.5	1071.355	1194.903	1491.702	1737.783	1818.931
72.0	1033.622	1159.198	1458.837	1707.149	1789.312
72.5	995.685	1124.710	1426.783	1677.125	1759.895
73.0	958.763	1090.425	1394.933	1647.506	1730.276
73.5	922.855	1056.546	1364.097	1618.089	1701.469
74.0	887.352	1023.681	1332.855	1589.688	1672.459
74.5	852.459	990.613	1303.033	1561.489	1645.071
75.0	817.768	958.357	1273.414	1533.899	1618.495
75.5	783.686	926.912	1244.200	1506.511	1591.514
76.0	750.618	896.076	1215.799	1479.327	1565.140
76.5	717.753	865.645	1187.600	1452.751	1538.767
77.0	685.294	835.418	1159.807	1426.378	1513.206
77.5	653.444	806.002	1132.419	1400.816	1487.847
78.0	621.999	777.194	1105.843	1375.660	1462.894
78.5	591.163	748.792	1079.470	1350.301	1438.144
79.0	560.935	721.202	1053.909	1325.754	1413.800
79.5	530.910	693.815	1028.753	1301.815	1389.455
80.0	501.291	666.833	1003.597	1278.080	1366.328
80.5	472.484	640.663	979.253	1254.141	1342.795
81.0	444.488	614.898	955.922	1231.014	1319.871
81.5	416.086	589.742	932.592	1208.090	1296.947
82.0	388.699	565.195	909.871	1185.977	1274.834
82.5	361.920	541.054	887.555	1163.864	1253.127

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**CANDELA TABULATION - (Cont.)**

83.0	335.547	517.521	865.645	1142.563	1232.028
83.5	309.376	494.597	844.750	1120.856	1210.118
84.0	283.815	472.281	824.463	1100.366	1189.223
84.5	258.456	450.777	804.582	1080.079	1168.733
85.0	234.112	429.881	785.106	1059.995	1148.243
85.5	209.767	410.000	766.036	1040.519	1128.362
86.0	185.829	390.930	747.372	1021.449	1108.683
86.5	162.093	373.078	729.723	1002.380	1089.005
87.0	138.763	355.834	711.870	984.324	1069.732
87.5	115.433	339.807	695.032	966.066	1051.271
88.0	92.306	324.186	678.397	948.416	1032.607
88.5	68.976	309.579	662.370	930.969	1014.552
89.0	47.674	295.784	647.155	914.131	996.699
89.5	30.228	283.003	632.345	897.902	979.253
90.0	18.055	271.643	618.753	882.484	963.226
90.5	12.781	261.702	606.175	867.066	946.185
91.0	13.592	252.573	593.394	851.445	929.955
91.5	16.230	243.849	580.613	836.635	913.726
92.0	19.273	236.546	568.441	821.623	897.902
92.5	22.519	230.257	558.095	807.219	882.281
93.0	25.764	224.780	547.343	793.627	867.268
93.5	29.213	220.519	537.199	780.237	853.067
94.0	32.865	216.868	527.664	767.659	839.272
94.5	36.314	214.231	518.738	754.879	825.071
95.0	39.762	212.202	510.420	742.301	811.479
95.5	43.008	210.782	502.711	730.331	798.090
96.0	45.646	210.173	496.017	718.768	784.903
96.5	48.283	210.173	489.322	708.016	772.731
97.0	50.717	210.376	483.236	697.669	760.559
97.5	53.355	211.187	477.556	687.729	749.401
98.0	55.586	211.999	472.484	677.991	738.040
98.5	58.224	213.013	468.223	668.659	727.491
99.0	60.861	214.231	463.760	659.935	717.145
99.5	63.701	215.651	459.906	651.618	707.001
100.0	66.136	217.071	456.863	643.909	697.872
100.5	68.976	218.694	453.820	636.403	688.540
101.0	71.410	220.317	451.588	629.302	680.222
101.5	73.845	221.940	449.357	622.607	671.702
102.0	76.076	223.563	447.734	616.318	664.196
102.5	78.308	225.185	446.111	610.435	656.690
103.0	80.539	227.011	444.893	604.552	649.995
103.5	82.974	228.837	443.879	599.480	643.097
104.0	85.611	230.460	442.865	594.814	636.808
104.5	88.248	232.286	442.256	590.351	630.925
105.0	90.683	234.112	441.648	586.294	625.245
105.5	92.914	235.735	441.039	582.033	620.376
106.0	95.552	237.763	440.836	578.382	615.507
106.5	97.986	239.589	440.836	574.933	610.638
107.0	100.421	241.618	440.836	571.687	606.581
107.5	102.652	243.241	440.836	569.253	602.320
108.0	105.492	245.270	440.836	566.412	598.060
108.5	108.130	247.298	441.039	564.384	595.220
109.0	110.767	248.921	441.445	561.746	592.380
109.5	113.607	250.747	441.648	559.921	589.337
110.0	116.447	252.573	442.053	557.892	586.902
110.5	119.287	254.399	442.459	556.066	584.671

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**CANDELA TABULATION - (Cont.)**

111.0	122.128	256.225	442.662	554.443	582.236
111.5	124.968	257.848	442.865	553.226	580.208
112.0	128.011	259.673	443.271	552.009	577.773
112.5	131.054	261.499	443.676	550.589	575.542
113.0	134.300	263.325	444.285	549.574	574.527
113.5	137.343	264.948	444.285	548.560	573.107
114.0	140.589	266.571	444.691	547.748	571.687
114.5	143.632	268.397	445.096	546.734	570.470
115.0	146.878	269.817	445.502	546.125	569.456
115.5	150.124	271.643	445.502	545.517	568.441
116.0	153.167	273.266	446.111	544.705	567.224
116.5	156.007	274.889	446.516	543.894	566.818
117.0	159.253	276.714	446.922	543.894	565.804
117.5	162.296	278.134	447.328	543.082	565.195
118.0	164.933	279.555	447.734	542.677	564.384
118.5	167.976	280.975	447.937	542.068	564.181
119.0	170.613	282.395	448.342	541.459	562.964
119.5	173.454	283.409	448.748	540.851	562.761
120.0	176.091	284.423	448.545	540.445	561.746
120.5	178.728	285.641	448.748	539.634	561.544
121.0	181.366	286.452	449.154	539.025	560.732
121.5	184.206	287.467	448.951	538.214	560.326
122.0	186.843	288.684	448.951	537.808	559.718
122.5	189.480	289.901	449.154	536.996	558.298
123.0	192.118	291.118	448.951	536.185	558.095
123.5	194.552	292.133	448.545	535.576	556.878
124.0	196.581	292.944	448.545	534.968	556.675
124.5	198.610	293.755	448.545	533.953	555.863
125.0	200.638	294.770	448.139	532.939	555.052
125.5	202.667	295.378	447.734	532.330	554.037
126.0	204.493	296.190	447.531	531.113	553.226
126.5	206.116	297.204	447.125	530.302	552.617
127.0	207.942	297.610	446.719	529.287	551.806
127.5	209.362	298.219	446.111	528.273	550.386
128.0	211.187	298.219	445.908	527.056	549.574
128.5	212.608	298.624	445.096	526.041	548.763
129.0	214.028	299.030	444.285	525.027	547.748
129.5	215.245	299.639	442.865	523.404	546.531
130.0	216.259	300.044	441.445	522.390	545.314
130.5	217.274	300.450	439.822	521.173	543.894
131.0	217.882	301.059	438.199	519.347	542.474
131.5	218.694	301.667	436.576	517.724	541.054
132.0	219.505	302.276	434.750	516.709	539.837
132.5	219.911	302.479	432.721	514.681	538.011
133.0	220.519	302.682	431.910	512.855	535.779
133.5	220.722	302.479	430.693	511.435	534.765
134.0	220.925	302.073	429.881	509.812	533.345
134.5	221.534	301.262	428.867	507.986	530.707
135.0	222.142	300.653	427.650	505.552	528.679
135.5	221.940	299.030	426.635	503.929	527.056
136.0	222.345	298.827	425.215	501.900	525.027
136.5	222.751	298.219	424.201	499.668	522.998
137.0	222.954	297.204	422.578	497.842	520.767
137.5	223.157	296.190	421.158	495.408	518.738
138.0	223.563	295.581	419.129	493.379	516.304
138.5	223.563	294.770	416.492	491.148	514.478

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L200-840-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	223.360	294.161	413.449	488.510	511.638
139.5	223.360	293.350	409.797	485.670	509.609
140.0	223.360	292.335	405.740	483.033	506.769
140.5	223.360	291.727	402.088	479.787	503.726
141.0	223.360	291.321	398.031	476.338	501.291
141.5	223.360	290.510	393.973	473.295	498.857
142.0	223.157	290.104	390.119	469.441	496.220
142.5	222.954	289.495	386.061	465.992	493.176
143.0	222.751	288.887	382.207	462.746	490.133
143.5	222.751	288.075	377.744	459.297	487.293
144.0	222.751	287.061	373.889	456.660	484.047
144.5	223.360	286.249	370.035	453.617	481.207
145.0	224.171	285.438	365.774	450.980	477.961
145.5	225.591	284.423	361.920	448.342	474.715
146.0	227.417	283.612	358.268	445.502	471.672
146.5	229.243	282.800	355.225	442.459	468.223
147.0	231.069	281.786	351.776	439.416	464.775
147.5	232.692	281.380	349.139	436.373	461.326
148.0	234.517	280.569	346.299	432.924	457.674
148.5	236.140	280.366	344.067	429.678	454.023
149.0	238.169	280.366	341.633	426.432	450.777
149.5	239.589	280.975	339.401	422.984	446.719
150.0	241.212	281.380	337.170	419.738	442.459
150.5	242.632	281.583	334.735	416.086	437.996
151.0	243.647	282.192	331.489	412.434	432.721
151.5	244.661	282.395	328.040	408.580	427.852
152.0	245.878	282.800	324.795	404.522	422.984
152.5	247.095	283.206	321.751	400.262	417.709
153.0	247.907	283.409	318.506	395.393	413.449
153.5	248.921	284.018	315.057	390.321	408.580
154.0	249.733	283.815	312.014	384.641	404.522
154.5	250.747	284.018	309.376	379.164	400.465
155.0	251.153	284.423	306.739	372.875	397.422
155.5	251.964	284.626	304.102	366.991	394.176
156.0	252.573	284.626	302.276	360.702	391.336
156.5	253.587	284.626	300.450	354.414	387.684
157.0	253.993	285.032	298.624	348.733	384.235
157.5	254.602	285.032	297.407	343.256	380.381
158.0	255.413	284.829	296.799	337.575	376.729
158.5	255.616	284.829	295.987	332.909	372.469
159.0	256.630	284.221	295.378	328.446	368.817
159.5	257.442	283.815	294.364	324.186	364.760
160.0	258.456	283.409	293.350	320.737	360.702
160.5	259.673	283.206	292.538	317.491	356.848
161.0	260.485	282.598	292.335	314.042	352.993
161.5	261.702	282.395	291.930	310.594	350.153
162.0	262.716	281.989	292.538	307.753	347.719
162.5	263.731	281.989	292.944	304.710	344.879
163.0	264.948	281.786	293.147	301.465	342.444
163.5	265.962	281.786	293.553	298.016	339.401
164.0	266.368	281.786	293.958	293.755	336.561
164.5	266.977	281.380	293.553	290.510	332.909
165.0	267.585	281.380	292.944	287.264	329.258
165.5	268.194	281.178	292.335	285.032	325.403
166.0	268.802	280.975	291.930	282.598	319.520
166.5	269.411	280.975	291.321	280.569	316.680

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

167.0	270.223	280.975	290.712	278.743	314.448
167.5	270.628	280.975	289.495	277.120	312.217
168.0	271.237	280.975	288.481	275.497	310.391
168.5	272.454	280.163	287.061	274.077	308.159
169.0	273.063	280.366	286.046	272.657	305.928
169.5	274.077	279.757	284.423	271.034	303.493
170.0	274.483	279.555	283.003	269.005	301.262
170.5	275.091	279.149	281.178	266.774	298.827
171.0	275.497	278.743	279.149	264.339	295.784
171.5	276.106	278.743	277.323	262.108	293.350
172.0	277.120	278.337	276.309	259.876	289.698
172.5	277.729	278.337	275.091	257.442	285.641
173.0	278.540	277.932	274.077	255.210	278.743
173.5	279.555	278.134	273.671	252.979	268.397
174.0	280.366	278.134	273.468	251.153	255.616
174.5	280.975	278.134	273.063	249.327	240.401
175.0	282.192	278.743	272.860	247.907	223.157
175.5	282.598	278.946	272.657	247.298	205.101
176.0	283.409	279.352	272.657	246.690	193.335
176.5	283.612	279.555	272.454	246.690	185.017
177.0	284.423	279.960	272.048	246.081	176.497
177.5	284.626	279.960	271.440	245.878	174.671
178.0	285.438	280.366	271.237	245.675	175.077
178.5	285.844	280.569	271.440	245.270	175.482
179.0	286.249	280.569	271.237	244.661	175.685
179.5	286.655	280.569	271.034	244.458	175.888
180.0	257.036	257.036	257.036	257.036	257.036



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L200-840-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2322.6	N.A.	11.70
0-30	4866.64	N.A.	24.50
0-40	7817.58	N.A.	39.40
0-60	13230.24	N.A.	66.70
0-80	16482.52	N.A.	83.10
0-90	17300.46	N.A.	87.30
10-90	16694.95	N.A.	84.20
20-40	5494.98	N.A.	27.70
20-50	8400.93	N.A.	42.40
40-70	7340.73	N.A.	37.00
60-80	3252.28	N.A.	16.40
70-80	1324.21	N.A.	6.70
80-90	817.94	N.A.	4.10
90-110	955.36	N.A.	4.80
90-120	1357.56	N.A.	6.80
90-130	1727.72	N.A.	8.70
90-150	2268.17	N.A.	11.40
90-180	2526.54	N.A.	12.70
110-180	1571.18	N.A.	7.90
0-180	19827.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	605.51
10-20	1717.09
20-30	2544.04
30-40	2950.94
40-50	2905.95
50-60	2506.71
60-70	1928.07
70-80	1324.21
80-90	817.94
90-100	524.06
100-110	431.30
110-120	402.20
120-130	370.16
130-140	311.06
140-150	229.40
150-160	149.99
160-170	82.64
170-180	25.74

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L200-840-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**  
**PHOTOMETRIC FILENAME : 75W-8-L200-840-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

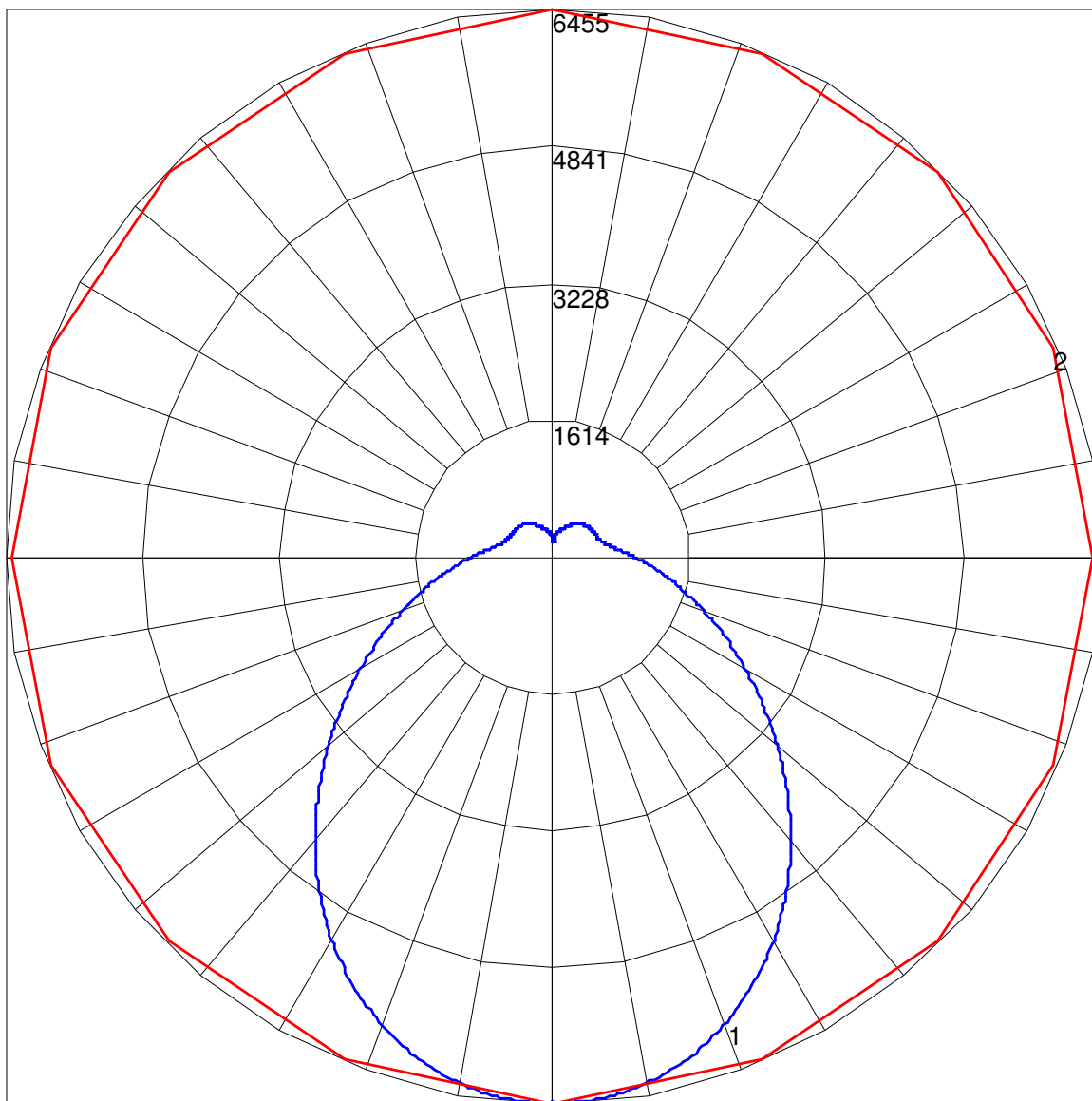
Reflectances

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	19.8	21.2	20.3	21.7	22.3	21.5	22.9	22.1	23.4	24.0
	3H	21.2	22.4	21.7	23.0	23.6	23.7	25.0	24.3	25.5	26.2
	4H	21.6	22.8	22.2	23.3	24.0	24.8	26.0	25.4	26.5	27.2
	6H	21.9	23.0	22.5	23.6	24.3	25.9	27.0	26.5	27.6	28.3
	8H	22.0	23.0	22.6	23.6	24.3	26.6	27.6	27.2	28.2	28.9
	12H	22.0	23.0	22.6	23.6	24.3	27.3	28.2	27.9	28.9	29.6
4H	2H	20.5	21.7	21.1	22.3	23.0	21.9	23.1	22.5	23.7	24.3
	3H	22.1	23.1	22.7	23.8	24.4	24.4	25.3	25.0	26.0	26.7
	4H	22.7	23.6	23.3	24.2	25.0	25.6	26.5	26.2	27.1	27.9
	6H	23.1	23.9	23.8	24.6	25.3	27.0	27.7	27.6	28.4	29.1
	8H	23.2	24.0	23.9	24.6	25.4	27.7	28.4	28.3	29.1	29.8
	12H	23.3	24.0	24.0	24.7	25.4	28.5	29.2	29.2	29.9	30.6
8H	4H	23.3	24.0	23.9	24.7	25.4	25.8	26.5	26.5	27.2	28.0
	6H	23.9	24.5	24.5	25.2	25.9	27.3	28.0	28.0	28.7	29.4
	8H	24.1	24.6	24.8	25.3	26.1	28.2	28.8	28.9	29.5	30.2
	12H	24.2	24.7	24.9	25.4	26.2	29.2	29.7	29.9	30.4	31.2
12H	4H	23.5	24.1	24.1	24.8	25.6	25.8	26.5	26.5	27.2	27.9
	6H	24.1	24.7	24.8	25.4	26.2	27.4	27.9	28.1	28.6	29.4
	8H	24.4	24.9	25.1	25.6	26.4	28.3	28.8	29.0	29.5	30.3

Maximum UGR = 31.2

POLAR GRAPH



Maximum Candela = 6455.317 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.)