

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-940-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-4-L100-940-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	8291
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	68.3
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)	3.71 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	18191	16294	16133
55	15752	13949	14163
65	13241	11947	12623
75	10619	10437	11798
85	7789	10266	12465

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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	2683.161	2683.161	2683.161	2683.161	2683.161
0.5	2670.437	2680.616	2682.313	2681.465	2699.279
1.0	2670.437	2681.465	2681.465	2680.616	2698.430
1.5	2667.892	2681.465	2680.616	2679.768	2699.279
2.0	2667.044	2678.920	2680.616	2678.920	2696.734
2.5	2667.044	2678.920	2678.071	2678.071	2695.037
3.0	2664.499	2676.375	2676.375	2676.375	2693.341
3.5	2662.802	2673.830	2673.830	2674.678	2691.644
4.0	2661.105	2672.133	2672.133	2671.285	2689.948
4.5	2656.864	2669.588	2670.437	2669.588	2687.403
5.0	2654.319	2667.044	2667.044	2667.044	2684.858
5.5	2650.926	2663.650	2663.650	2664.499	2681.465
6.0	2649.229	2659.409	2660.257	2660.257	2678.071
6.5	2643.291	2656.016	2656.864	2656.864	2673.830
7.0	2639.898	2651.774	2652.622	2651.774	2670.437
7.5	2636.505	2646.684	2648.381	2648.381	2666.195
8.0	2632.263	2643.291	2643.291	2643.291	2660.257
8.5	2628.022	2637.353	2639.050	2639.050	2655.167
9.0	2621.236	2633.112	2633.960	2633.112	2649.229
9.5	2616.994	2627.174	2627.174	2627.174	2645.836
10.0	2610.208	2620.387	2620.387	2622.084	2639.050
10.5	2604.270	2614.449	2615.297	2615.297	2633.112
11.0	2598.332	2608.511	2609.359	2608.511	2626.325
11.5	2590.697	2601.725	2603.421	2601.725	2620.387
12.0	2583.910	2594.090	2595.787	2595.787	2612.753
12.5	2577.124	2586.455	2589.000	2587.304	2605.966
13.0	2569.489	2579.669	2581.366	2580.517	2598.332
13.5	2561.855	2571.186	2572.883	2572.883	2591.545
14.0	2552.524	2562.703	2564.400	2564.400	2582.214
14.5	2544.889	2554.220	2555.917	2555.917	2575.428
15.0	2537.254	2545.737	2546.585	2546.585	2565.248
15.5	2527.923	2535.558	2538.102	2538.102	2555.068
16.0	2517.743	2526.226	2528.771	2528.771	2546.585
16.5	2509.260	2516.047	2518.592	2519.440	2537.254
17.0	2497.384	2505.019	2508.412	2509.260	2527.075
17.5	2487.205	2494.839	2498.233	2499.081	2516.895
18.0	2477.873	2484.660	2487.205	2489.750	2507.564
18.5	2466.846	2474.480	2477.025	2478.722	2496.536
19.0	2455.818	2461.756	2465.997	2467.694	2484.660
19.5	2443.093	2451.576	2454.969	2458.363	2473.632
20.0	2429.521	2438.852	2443.093	2445.638	2461.756
20.5	2415.948	2427.824	2431.217	2434.610	2450.728
21.0	2404.920	2414.251	2416.796	2423.582	2438.852
21.5	2392.196	2401.527	2405.768	2409.161	2426.127
22.0	2378.623	2389.651	2393.892	2397.285	2415.100
22.5	2366.747	2374.381	2380.319	2385.409	2402.375
23.0	2352.326	2360.809	2366.747	2371.836	2388.802
23.5	2337.056	2346.388	2354.022	2359.112	2376.078
24.0	2321.787	2331.966	2339.601	2345.539	2362.505
24.5	2309.062	2317.545	2326.028	2331.118	2347.236
25.0	2294.641	2303.124	2312.456	2317.545	2333.663
25.5	2278.524	2288.703	2296.338	2303.973	2317.545
26.0	2263.254	2272.586	2282.765	2289.552	2304.821
26.5	2247.137	2256.468	2268.344	2274.282	2290.400

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27.0	2231.019	2239.502	2253.923	2261.558	2275.979
27.5	2212.357	2223.385	2237.806	2244.592	2261.558
28.0	2198.784	2207.267	2221.688	2229.323	2245.440
28.5	2180.970	2191.149	2205.570	2213.205	2229.323
29.0	2164.004	2174.183	2188.604	2197.936	2214.053
29.5	2146.190	2156.369	2171.638	2180.970	2197.087
30.0	2128.375	2139.403	2154.673	2166.549	2182.666
30.5	2109.713	2120.741	2138.555	2150.431	2165.700
31.0	2091.899	2102.926	2120.741	2133.465	2147.886
31.5	2073.236	2085.961	2103.775	2117.348	2132.617
32.0	2055.422	2066.450	2086.809	2099.533	2114.803
32.5	2035.911	2047.787	2068.995	2082.567	2097.837
33.0	2017.249	2029.973	2049.484	2065.601	2080.871
33.5	1999.434	2011.310	2032.518	2046.939	2063.057
34.0	1978.227	1991.800	2013.855	2029.973	2046.939
34.5	1958.716	1973.137	1996.041	2011.310	2028.276
35.0	1940.902	1952.778	1978.227	1994.345	2010.462
35.5	1917.998	1934.116	1958.716	1975.682	1991.800
36.0	1900.184	1913.756	1940.054	1957.020	1973.985
36.5	1878.128	1893.397	1920.543	1939.205	1957.020
37.0	1857.769	1873.886	1901.032	1919.694	1939.205
37.5	1836.561	1852.679	1882.369	1902.729	1919.694
38.0	1815.354	1832.320	1862.010	1883.218	1899.335
38.5	1793.298	1811.113	1842.500	1865.404	1880.673
39.0	1773.788	1789.905	1822.140	1845.893	1865.404
39.5	1751.732	1770.394	1802.630	1826.382	1845.044
40.0	1727.980	1748.339	1782.270	1808.568	1825.534
40.5	1705.924	1727.131	1762.760	1789.905	1806.871
41.0	1685.565	1705.924	1742.401	1770.394	1787.360
41.5	1663.509	1684.716	1722.041	1750.884	1768.698
42.0	1641.453	1663.509	1701.682	1732.221	1750.035
42.5	1620.246	1641.453	1680.475	1712.710	1730.524
43.0	1596.494	1620.246	1660.964	1694.048	1711.862
43.5	1576.134	1598.190	1639.757	1674.537	1693.199
44.0	1553.230	1576.134	1618.549	1655.874	1673.689
44.5	1532.023	1554.927	1597.342	1635.515	1654.178
45.0	1509.967	1532.871	1576.983	1617.701	1636.364
45.5	1487.912	1511.664	1556.624	1599.038	1617.701
46.0	1465.856	1489.608	1534.568	1578.679	1598.190
46.5	1443.800	1467.553	1515.905	1561.713	1579.528
47.0	1420.896	1446.345	1494.698	1541.354	1560.865
47.5	1398.841	1424.289	1473.491	1521.844	1541.354
48.0	1377.633	1402.234	1452.283	1504.029	1521.844
48.5	1353.881	1381.026	1432.772	1483.670	1503.181
49.0	1332.673	1358.122	1410.717	1464.159	1483.670
49.5	1310.618	1336.915	1390.358	1445.497	1465.008
50.0	1287.714	1314.859	1369.998	1425.138	1445.497
50.5	1266.506	1293.652	1348.791	1408.172	1427.683
51.0	1244.451	1271.596	1330.129	1388.661	1409.020
51.5	1223.243	1249.540	1308.921	1369.998	1390.358
52.0	1200.339	1228.333	1288.562	1350.488	1371.695
52.5	1178.284	1206.277	1269.051	1330.977	1353.881
53.0	1155.380	1185.070	1248.692	1314.011	1334.370
53.5	1133.324	1163.863	1229.181	1294.500	1316.556
54.0	1112.116	1142.655	1209.671	1275.838	1298.742
54.5	1091.757	1120.599	1190.160	1258.872	1280.927

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55.0	1070.550	1100.240	1170.649	1239.361	1264.810
55.5	1052.736	1079.033	1151.138	1221.547	1245.299
56.0	1032.377	1060.370	1132.476	1203.732	1227.485
56.5	1011.169	1040.860	1112.965	1185.918	1210.519
57.0	990.810	1021.349	1094.302	1168.104	1192.705
57.5	969.603	1000.990	1078.185	1151.138	1173.194
58.0	948.395	980.631	1059.522	1132.476	1158.773
58.5	928.036	960.271	1040.860	1116.358	1141.807
59.0	907.677	939.912	1023.045	1101.937	1123.993
59.5	887.318	920.401	1006.928	1084.123	1110.420
60.0	866.959	900.042	989.113	1067.157	1093.454
60.5	847.024	880.532	971.299	1051.039	1076.488
61.0	827.004	861.021	953.485	1034.921	1060.370
61.5	807.154	841.680	935.671	1018.804	1045.101
62.0	787.643	822.508	918.705	1003.535	1028.983
62.5	768.387	803.506	900.891	988.265	1013.714
63.0	748.876	784.589	883.925	972.148	1000.141
63.5	729.535	765.927	867.807	956.878	984.872
64.0	710.703	747.519	850.841	940.761	969.603
64.5	691.955	729.535	834.724	925.491	954.333
65.0	673.378	711.466	818.521	910.222	939.912
65.5	655.054	693.822	802.488	894.953	924.643
66.0	636.477	676.177	786.625	879.683	910.222
66.5	618.323	658.957	770.847	865.262	895.801
67.0	600.594	641.906	755.153	849.993	881.380
67.5	582.780	625.110	739.799	835.741	866.959
68.0	565.220	608.737	724.530	821.320	853.386
68.5	547.915	592.450	709.600	807.324	839.220
69.0	530.694	576.332	694.839	793.242	825.816
69.5	513.728	560.554	680.249	779.584	812.498
70.0	496.847	545.030	665.913	766.181	799.265
70.5	480.390	529.676	651.576	752.778	786.201
71.0	464.103	514.492	637.495	739.545	773.307
71.5	447.985	499.647	623.752	726.651	760.582
72.0	432.207	484.716	610.010	713.841	748.197
72.5	416.344	470.295	596.607	701.287	735.897
73.0	400.905	455.959	583.289	688.901	723.512
73.5	385.890	441.793	570.394	676.601	711.466
74.0	371.045	428.050	557.331	664.725	699.335
74.5	356.454	414.223	544.861	652.934	687.883
75.0	341.948	400.735	532.476	641.397	676.771
75.5	327.697	387.587	520.260	629.945	665.488
76.0	313.870	374.692	508.384	618.578	654.461
76.5	300.127	361.968	496.593	607.465	643.433
77.0	286.554	349.328	484.971	596.437	632.744
77.5	273.236	337.028	473.519	585.749	622.140
78.0	260.088	324.982	462.406	575.230	611.706
78.5	247.194	313.106	451.378	564.626	601.357
79.0	234.554	301.569	440.690	554.362	591.178
79.5	221.999	290.117	430.171	544.352	580.998
80.0	209.614	278.835	419.652	534.427	571.328
80.5	197.568	267.892	409.473	524.417	561.487
81.0	185.862	257.119	399.717	514.746	551.902
81.5	173.986	246.600	389.962	505.160	542.316
82.0	162.534	236.335	380.461	495.914	533.069
82.5	151.336	226.241	371.130	486.668	523.993

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83.0	140.308	216.400	361.968	477.760	515.170
83.5	129.365	206.815	353.231	468.684	506.009
84.0	118.677	197.483	344.748	460.116	497.271
84.5	108.073	188.491	336.434	451.633	488.703
85.0	97.893	179.754	328.291	443.235	480.136
85.5	87.714	171.441	320.317	435.091	471.822
86.0	77.704	163.467	312.512	427.117	463.594
86.5	67.779	156.002	305.132	419.143	455.365
87.0	58.023	148.791	297.667	411.593	447.307
87.5	48.268	142.090	290.626	403.959	439.587
88.0	38.597	135.558	283.670	396.579	431.783
88.5	28.842	129.450	276.969	389.283	424.233
89.0	19.935	123.682	270.607	382.242	416.768
89.5	12.640	118.337	264.414	375.456	409.473
90.0	7.550	113.587	258.730	369.009	402.771
90.5	5.344	109.430	253.471	362.562	395.645
91.0	5.684	105.613	248.127	356.030	388.859
91.5	6.786	101.965	242.782	349.837	382.073
92.0	8.059	98.911	237.693	343.560	375.456
92.5	9.416	96.282	233.366	337.537	368.924
93.0	10.773	93.991	228.870	331.854	362.647
93.5	12.215	92.210	224.629	326.255	356.709
94.0	13.742	90.683	220.642	320.995	350.940
94.5	15.185	89.580	216.909	315.651	345.002
95.0	16.627	88.732	213.431	310.392	339.319
95.5	17.984	88.138	210.208	305.387	333.720
96.0	19.087	87.883	207.408	300.551	328.206
96.5	20.189	87.883	204.609	296.055	323.116
97.0	21.207	87.968	202.064	291.729	318.026
97.5	22.310	88.308	199.689	287.572	313.361
98.0	23.243	88.647	197.568	283.501	308.610
98.5	24.346	89.071	195.787	279.598	304.199
99.0	25.449	89.580	193.921	275.951	299.873
99.5	26.637	90.174	192.309	272.473	295.631
100.0	27.654	90.768	191.036	269.249	291.814
100.5	28.842	91.446	189.764	266.111	287.912
101.0	29.860	92.125	188.831	263.142	284.434
101.5	30.878	92.804	187.898	260.342	280.871
102.0	31.811	93.482	187.219	257.712	277.732
102.5	32.744	94.161	186.540	255.252	274.594
103.0	33.677	94.924	186.031	252.792	271.794
103.5	34.695	95.688	185.607	250.672	268.910
104.0	35.798	96.366	185.183	248.720	266.280
104.5	36.901	97.130	184.929	246.854	263.820
105.0	37.919	97.893	184.674	245.158	261.445
105.5	38.852	98.572	184.420	243.376	259.409
106.0	39.955	99.420	184.335	241.849	257.373
106.5	40.973	100.184	184.335	240.407	255.337
107.0	41.991	101.032	184.335	239.050	253.641
107.5	42.924	101.711	184.335	238.032	251.859
108.0	44.111	102.559	184.335	236.844	250.078
108.5	45.214	103.407	184.420	235.996	248.890
109.0	46.317	104.086	184.589	234.893	247.703
109.5	47.505	104.849	184.674	234.130	246.430
110.0	48.692	105.613	184.844	233.281	245.412
110.5	49.880	106.376	185.013	232.518	244.479

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CANDELA TABULATION - (Cont.)

111.0	51.067	107.140	185.098	231.839	243.461
111.5	52.255	107.818	185.183	231.330	242.613
112.0	53.527	108.582	185.353	230.821	241.595
112.5	54.800	109.345	185.522	230.228	240.662
113.0	56.157	110.109	185.777	229.803	240.238
113.5	57.430	110.787	185.777	229.379	239.644
114.0	58.787	111.466	185.947	229.040	239.050
114.5	60.059	112.230	186.116	228.616	238.541
115.0	61.417	112.823	186.286	228.361	238.117
115.5	62.774	113.587	186.286	228.107	237.693
116.0	64.046	114.266	186.540	227.768	237.184
116.5	65.234	114.944	186.710	227.428	237.014
117.0	66.591	115.708	186.880	227.428	236.590
117.5	67.864	116.301	187.049	227.089	236.335
118.0	68.966	116.895	187.219	226.919	235.996
118.5	70.239	117.489	187.304	226.665	235.911
119.0	71.342	118.083	187.473	226.410	235.402
119.5	72.529	118.507	187.643	226.156	235.317
120.0	73.632	118.931	187.558	225.986	234.893
120.5	74.735	119.440	187.643	225.647	234.808
121.0	75.838	119.779	187.813	225.392	234.469
121.5	77.025	120.204	187.728	225.053	234.299
122.0	78.128	120.713	187.728	224.883	234.045
122.5	79.231	121.222	187.813	224.544	233.451
123.0	80.334	121.731	187.728	224.205	233.366
123.5	81.352	122.155	187.558	223.950	232.857
124.0	82.200	122.494	187.558	223.696	232.773
124.5	83.048	122.833	187.558	223.272	232.433
125.0	83.897	123.257	187.389	222.847	232.094
125.5	84.745	123.512	187.219	222.593	231.670
126.0	85.508	123.851	187.134	222.084	231.330
126.5	86.187	124.275	186.965	221.745	231.076
127.0	86.950	124.445	186.795	221.321	230.737
127.5	87.544	124.700	186.540	220.896	230.143
128.0	88.308	124.700	186.456	220.387	229.803
128.5	88.901	124.869	186.116	219.963	229.464
129.0	89.495	125.039	185.777	219.539	229.040
129.5	90.004	125.293	185.183	218.860	228.531
130.0	90.428	125.463	184.589	218.436	228.022
130.5	90.853	125.633	183.911	217.927	227.428
131.0	91.107	125.887	183.232	217.164	226.834
131.5	91.446	126.142	182.553	216.485	226.241
132.0	91.786	126.396	181.790	216.061	225.732
132.5	91.955	126.481	180.942	215.213	224.968
133.0	92.210	126.566	180.602	214.449	224.035
133.5	92.295	126.481	180.093	213.855	223.611
134.0	92.379	126.311	179.754	213.177	223.017
134.5	92.634	125.972	179.330	212.413	221.914
135.0	92.888	125.718	178.821	211.395	221.066
135.5	92.804	125.039	178.397	210.717	220.387
136.0	92.973	124.954	177.803	209.869	219.539
136.5	93.143	124.700	177.379	208.935	218.691
137.0	93.228	124.275	176.700	208.172	217.758
137.5	93.313	123.851	176.106	207.154	216.909
138.0	93.482	123.597	175.258	206.306	215.891
138.5	93.482	123.257	174.155	205.373	215.128

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	93.397	123.003	172.883	204.270	213.940
139.5	93.397	122.664	171.356	203.082	213.092
140.0	93.397	122.239	169.659	201.979	211.904
140.5	93.397	121.985	168.132	200.622	210.632
141.0	93.397	121.815	166.436	199.180	209.614
141.5	93.397	121.476	164.739	197.908	208.596
142.0	93.313	121.306	163.127	196.296	207.493
142.5	93.228	121.052	161.431	194.854	206.221
143.0	93.143	120.797	159.819	193.496	204.948
143.5	93.143	120.458	157.953	192.054	203.761
144.0	93.143	120.034	156.341	190.951	202.403
144.5	93.397	119.695	154.729	189.679	201.216
145.0	93.737	119.355	152.948	188.576	199.859
145.5	94.331	118.931	151.336	187.473	198.501
146.0	95.094	118.592	149.809	186.286	197.229
146.5	95.857	118.253	148.537	185.013	195.787
147.0	96.621	117.828	147.095	183.741	194.345
147.5	97.300	117.659	145.992	182.469	192.903
148.0	98.063	117.319	144.804	181.026	191.376
148.5	98.742	117.235	143.871	179.669	189.849
149.0	99.590	117.235	142.853	178.312	188.491
149.5	100.184	117.489	141.920	176.870	186.795
150.0	100.862	117.659	140.987	175.513	185.013
150.5	101.456	117.744	139.969	173.986	183.147
151.0	101.880	117.998	138.612	172.459	180.942
151.5	102.305	118.083	137.170	170.847	178.906
152.0	102.814	118.253	135.812	169.150	176.870
152.5	103.322	118.422	134.540	167.369	174.664
153.0	103.662	118.507	133.183	165.333	172.883
153.5	104.086	118.761	131.740	163.212	170.847
154.0	104.425	118.677	130.468	160.837	169.150
154.5	104.849	118.761	129.365	158.547	167.454
155.0	105.019	118.931	128.262	155.917	166.181
155.5	105.358	119.016	127.160	153.457	164.824
156.0	105.613	119.016	126.396	150.827	163.636
156.5	106.037	119.016	125.633	148.197	162.109
157.0	106.207	119.186	124.869	145.822	160.667
157.5	106.461	119.186	124.360	143.532	159.056
158.0	106.801	119.101	124.106	141.157	157.529
158.5	106.885	119.101	123.766	139.205	155.747
159.0	107.309	118.846	123.512	137.339	154.220
159.5	107.649	118.677	123.088	135.558	152.524
160.0	108.073	118.507	122.664	134.116	150.827
160.5	108.582	118.422	122.324	132.758	149.215
161.0	108.921	118.168	122.239	131.316	147.604
161.5	109.430	118.083	122.070	129.874	146.416
162.0	109.854	117.913	122.324	128.687	145.398
162.5	110.279	117.913	122.494	127.414	144.210
163.0	110.787	117.828	122.579	126.057	143.192
163.5	111.212	117.828	122.748	124.615	141.920
164.0	111.381	117.828	122.918	122.833	140.732
164.5	111.636	117.659	122.748	121.476	139.205
165.0	111.890	117.659	122.494	120.119	137.678
165.5	112.145	117.574	122.239	119.186	136.067
166.0	112.399	117.489	122.070	118.168	133.607
166.5	112.654	117.489	121.815	117.319	132.419

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	112.993	117.489	121.561	116.556	131.486
167.5	113.163	117.489	121.052	115.877	130.553
168.0	113.417	117.489	120.628	115.199	129.789
168.5	113.926	117.150	120.034	114.605	128.856
169.0	114.181	117.235	119.610	114.011	127.923
169.5	114.605	116.980	118.931	113.332	126.905
170.0	114.774	116.895	118.337	112.484	125.972
170.5	115.029	116.726	117.574	111.551	124.954
171.0	115.199	116.556	116.726	110.533	123.682
171.5	115.453	116.556	115.962	109.600	122.664
172.0	115.877	116.386	115.538	108.667	121.137
172.5	116.132	116.386	115.029	107.649	119.440
173.0	116.471	116.217	114.605	106.716	116.556
173.5	116.895	116.301	114.435	105.783	112.230
174.0	117.235	116.301	114.350	105.019	106.885
174.5	117.489	116.301	114.181	104.256	100.523
175.0	117.998	116.556	114.096	103.662	93.313
175.5	118.168	116.641	114.011	103.407	85.763
176.0	118.507	116.810	114.011	103.153	80.843
176.5	118.592	116.895	113.926	103.153	77.365
177.0	118.931	117.065	113.757	102.898	73.802
177.5	119.016	117.065	113.502	102.814	73.038
178.0	119.355	117.235	113.417	102.729	73.208
178.5	119.525	117.319	113.502	102.559	73.378
179.0	119.695	117.319	113.417	102.305	73.462
179.5	119.864	117.319	113.332	102.220	73.547
180.0	107.479	107.479	107.479	107.479	107.479

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	971.19	N.A.	11.70
0-30	2034.98	N.A.	24.50
0-40	3268.91	N.A.	39.40
0-60	5532.2	N.A.	66.70
0-80	6892.14	N.A.	83.10
0-90	7234.16	N.A.	87.30
10-90	6980.96	N.A.	84.20
20-40	2297.72	N.A.	27.70
20-50	3512.83	N.A.	42.40
40-70	3069.51	N.A.	37.00
60-80	1359.93	N.A.	16.40
70-80	553.72	N.A.	6.70
80-90	342.02	N.A.	4.10
90-110	399.48	N.A.	4.80
90-120	567.66	N.A.	6.80
90-130	722.44	N.A.	8.70
90-150	948.43	N.A.	11.40
90-180	1056.47	N.A.	12.70
110-180	656.99	N.A.	7.90
0-180	8290.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.19
10-20	718.00
20-30	1063.78
30-40	1233.93
40-50	1215.12
50-60	1048.17
60-70	806.22
70-80	553.72
80-90	342.02
90-100	219.13
100-110	180.35
110-120	168.18
120-130	154.78
130-140	130.07
140-150	95.92
150-160	62.72
160-170	34.55
170-180	10.76

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-940-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-4-L100-940-DIM-UNV_.IES

UGR TABLE - CORRECTED

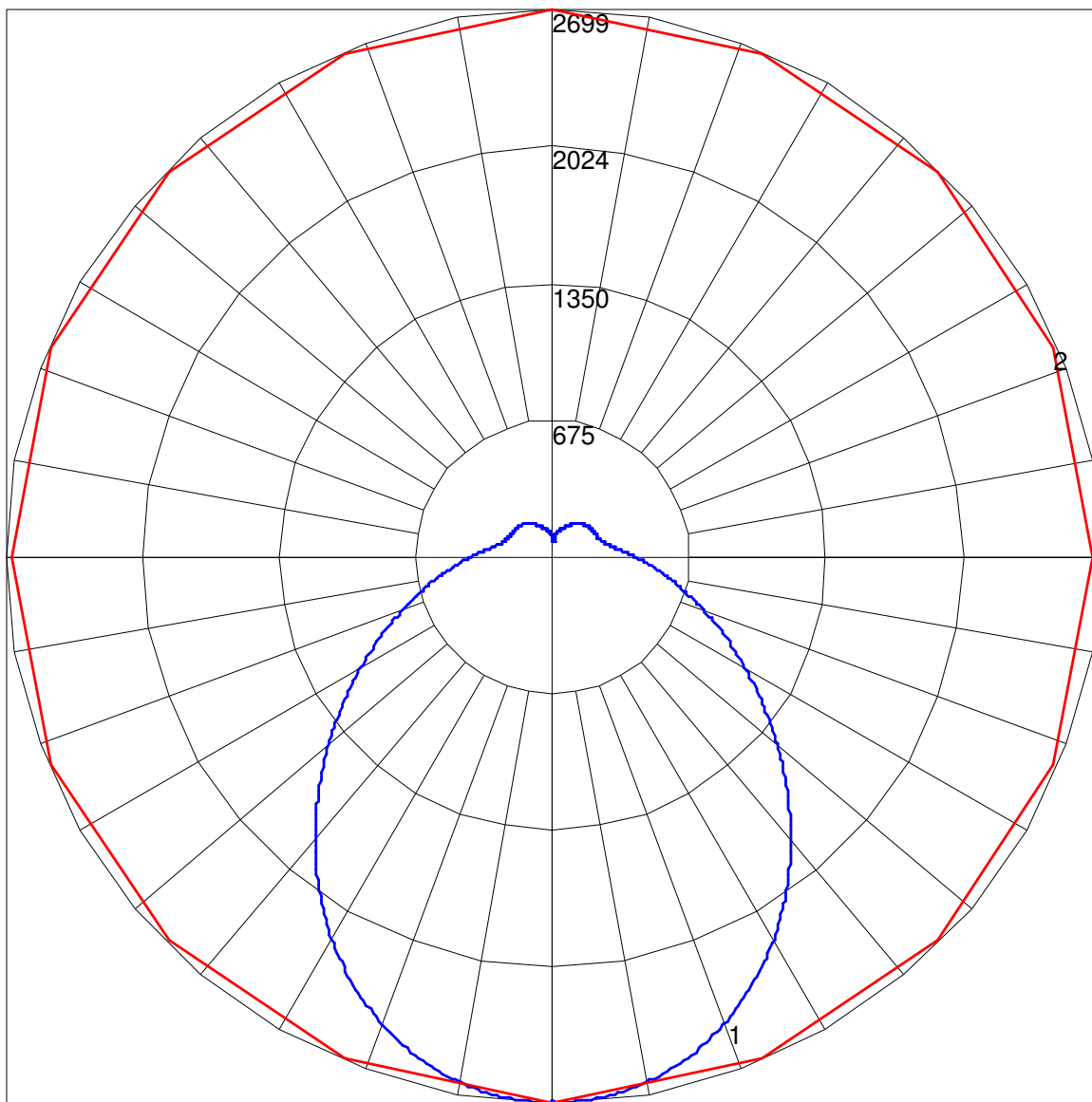
Reflectances

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	19.2	20.6	19.8	21.1	21.7	20.9	22.2	21.4	22.8	23.4
	3H	20.6	21.8	21.1	22.4	23.0	23.1	24.3	23.6	24.9	25.5
	4H	21.0	22.2	21.6	22.8	23.4	24.1	25.3	24.7	25.9	26.6
	6H	21.3	22.4	21.9	23.0	23.7	25.3	26.3	25.9	26.9	27.6
	8H	21.4	22.4	22.0	23.0	23.7	25.8	26.9	26.5	27.5	28.2
	12H	21.4	22.4	22.0	23.0	23.7	26.5	27.5	27.1	28.1	28.8
4H	2H	19.9	21.1	20.5	21.7	22.4	21.3	22.4	21.9	23.0	23.7
	3H	21.5	22.5	22.1	23.1	23.8	23.7	24.7	24.3	25.3	26.0
	4H	22.1	23.0	22.7	23.6	24.4	25.0	25.8	25.6	26.5	27.2
	6H	22.5	23.3	23.2	24.0	24.7	26.3	27.1	26.9	27.7	28.5
	8H	22.6	23.4	23.3	24.0	24.8	27.0	27.7	27.6	28.4	29.1
	12H	22.7	23.4	23.4	24.1	24.8	27.8	28.4	28.4	29.1	29.9
8H	4H	22.7	23.4	23.3	24.1	24.8	25.1	25.9	25.8	26.5	27.3
	6H	23.3	23.9	23.9	24.6	25.3	26.6	27.3	27.3	28.0	28.7
	8H	23.5	24.0	24.1	24.7	25.5	27.5	28.1	28.2	28.8	29.5
	12H	23.6	24.1	24.3	24.8	25.6	28.5	29.0	29.2	29.7	30.5
12H	4H	22.8	23.5	23.5	24.2	24.9	25.1	25.8	25.8	26.5	27.3
	6H	23.5	24.1	24.2	24.8	25.6	26.7	27.3	27.4	27.9	28.7
	8H	23.8	24.3	24.5	25.0	25.8	27.6	28.1	28.3	28.8	29.6

Maximum UGR = 30.5

POLAR GRAPH



Maximum Candela = 2699.279 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.)