

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-930-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-L100-930-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	7905
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
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	17345	15536	15383
55	15019	13300	13505
65	12625	11391	12035
75	10125	9951	11250
85	7427	9789	11886

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2558.363	2558.363	2558.363	2558.363	2558.363
0.5	2546.230	2555.937	2557.554	2556.745	2573.731
1.0	2546.230	2556.745	2556.745	2555.937	2572.922
1.5	2543.804	2556.745	2555.937	2555.128	2573.731
2.0	2542.995	2554.319	2555.937	2554.319	2571.305
2.5	2542.995	2554.319	2553.510	2553.510	2569.687
3.0	2540.569	2551.892	2551.892	2551.892	2568.069
3.5	2538.951	2549.466	2549.466	2550.275	2566.452
4.0	2537.333	2547.848	2547.848	2547.039	2564.834
4.5	2533.289	2545.422	2546.230	2545.422	2562.407
5.0	2530.863	2542.995	2542.995	2542.995	2559.981
5.5	2527.627	2539.760	2539.760	2540.569	2556.745
6.0	2526.009	2535.716	2536.524	2536.524	2553.510
6.5	2520.348	2532.480	2533.289	2533.289	2549.466
7.0	2517.112	2528.436	2529.245	2528.436	2546.230
7.5	2513.877	2523.583	2525.201	2525.201	2542.186
8.0	2509.833	2520.348	2520.348	2520.348	2536.524
8.5	2505.788	2514.686	2516.303	2516.303	2531.671
9.0	2499.318	2510.642	2511.450	2510.642	2526.009
9.5	2495.274	2504.980	2504.980	2504.980	2522.774
10.0	2488.803	2498.509	2498.509	2500.127	2516.303
10.5	2483.141	2492.847	2493.656	2493.656	2510.642
11.0	2477.479	2487.185	2487.994	2487.185	2504.171
11.5	2470.199	2480.714	2482.332	2480.714	2498.509
12.0	2463.729	2473.435	2475.053	2475.053	2491.229
12.5	2457.258	2466.155	2468.582	2466.964	2484.759
13.0	2449.978	2459.685	2461.302	2460.493	2477.479
13.5	2442.699	2451.596	2453.214	2453.214	2471.008
14.0	2433.802	2443.508	2445.125	2445.125	2462.111
14.5	2426.522	2435.419	2437.037	2437.037	2455.640
15.0	2419.243	2427.331	2428.140	2428.140	2445.934
15.5	2410.345	2417.625	2420.051	2420.051	2436.228
16.0	2400.639	2408.728	2411.154	2411.154	2428.140
16.5	2392.551	2399.021	2401.448	2402.257	2419.243
17.0	2381.227	2388.507	2391.742	2392.551	2409.536
17.5	2371.521	2378.800	2382.036	2382.845	2399.830
18.0	2362.624	2369.094	2371.521	2373.947	2390.933
18.5	2352.109	2359.388	2361.815	2363.433	2380.418
19.0	2341.594	2347.256	2351.300	2352.918	2369.094
19.5	2329.461	2337.550	2340.785	2344.020	2358.579
20.0	2316.520	2325.417	2329.461	2331.888	2347.256
20.5	2303.578	2314.902	2318.137	2321.373	2336.741
21.0	2293.063	2301.961	2304.387	2310.858	2325.417
21.5	2280.931	2289.828	2293.872	2297.108	2313.284
22.0	2267.989	2278.504	2282.548	2285.784	2302.769
22.5	2256.666	2263.945	2269.607	2274.460	2290.637
23.0	2242.915	2251.004	2256.666	2261.519	2277.695
23.5	2228.356	2237.253	2244.533	2249.386	2265.563
24.0	2213.797	2223.503	2230.783	2236.445	2252.621
24.5	2201.664	2209.753	2217.841	2222.694	2238.062
25.0	2187.914	2196.002	2204.900	2209.753	2225.121
25.5	2172.546	2182.252	2189.532	2196.811	2209.753
26.0	2157.987	2166.884	2176.590	2183.061	2197.620
26.5	2142.619	2151.516	2162.840	2168.502	2183.870

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-DIM-UNV_.IES

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27.0	2127.251	2135.339	2149.090	2156.369	2170.120
27.5	2109.457	2119.971	2133.722	2140.192	2156.369
28.0	2096.515	2104.603	2118.354	2125.633	2141.001
28.5	2079.529	2089.236	2102.986	2110.265	2125.633
29.0	2063.353	2073.059	2086.809	2095.706	2111.074
29.5	2046.367	2056.073	2070.632	2079.529	2094.897
30.0	2029.381	2039.896	2054.455	2065.779	2081.147
30.5	2011.587	2022.102	2039.087	2050.411	2064.970
31.0	1994.601	2005.116	2022.102	2034.234	2047.985
31.5	1976.807	1988.939	2005.925	2018.866	2033.425
32.0	1959.821	1970.336	1989.748	2001.881	2016.440
32.5	1941.218	1952.541	1972.762	1985.704	2000.263
33.0	1923.423	1935.556	1954.159	1969.527	1984.086
33.5	1906.438	1917.761	1937.982	1951.733	1967.101
34.0	1886.216	1899.158	1920.188	1935.556	1951.733
34.5	1867.613	1881.363	1903.202	1917.761	1933.938
35.0	1850.628	1861.951	1886.216	1901.584	1916.952
35.5	1828.789	1844.157	1867.613	1883.790	1899.158
36.0	1811.803	1824.745	1849.819	1865.995	1882.172
36.5	1790.773	1805.332	1831.215	1849.010	1865.995
37.0	1771.361	1786.729	1812.612	1830.406	1849.010
37.5	1751.140	1766.508	1794.817	1814.230	1830.406
38.0	1730.919	1747.096	1775.405	1795.626	1810.994
38.5	1709.889	1726.875	1756.802	1778.641	1793.200
39.0	1691.286	1706.654	1737.390	1760.037	1778.641
39.5	1670.256	1688.051	1718.786	1741.434	1759.229
40.0	1647.608	1667.021	1699.374	1724.448	1740.625
40.5	1626.579	1646.800	1680.771	1706.654	1722.831
41.0	1607.166	1626.579	1661.359	1688.051	1704.227
41.5	1586.137	1606.358	1641.947	1669.447	1686.433
42.0	1565.107	1586.137	1622.534	1651.653	1668.638
42.5	1544.886	1565.107	1602.313	1633.049	1650.035
43.0	1522.238	1544.886	1583.710	1615.255	1632.241
43.5	1502.826	1523.856	1563.489	1596.652	1614.446
44.0	1480.987	1502.826	1543.268	1578.857	1595.843
44.5	1460.766	1482.605	1523.047	1559.445	1577.239
45.0	1439.736	1461.575	1503.635	1542.459	1560.254
45.5	1418.707	1441.354	1484.223	1524.665	1542.459
46.0	1397.677	1420.324	1463.193	1505.253	1523.856
46.5	1376.647	1399.294	1445.398	1489.076	1506.061
47.0	1354.808	1379.073	1425.177	1469.664	1488.267
47.5	1333.778	1358.044	1404.956	1451.060	1469.664
48.0	1313.557	1337.014	1384.735	1434.075	1451.060
48.5	1290.910	1316.793	1366.132	1414.662	1433.266
49.0	1270.689	1294.954	1345.102	1396.059	1414.662
49.5	1249.659	1274.733	1325.690	1378.265	1396.868
50.0	1227.820	1253.703	1306.278	1358.852	1378.265
50.5	1207.599	1233.482	1286.057	1342.676	1361.279
51.0	1186.569	1212.452	1268.262	1324.072	1343.484
51.5	1166.348	1191.422	1248.041	1306.278	1325.690
52.0	1144.510	1171.201	1228.629	1287.674	1307.895
52.5	1123.480	1150.171	1210.026	1269.071	1290.910
53.0	1101.641	1129.950	1190.613	1252.894	1272.306
53.5	1080.611	1109.729	1172.010	1234.291	1255.321
54.0	1060.390	1089.508	1153.407	1216.496	1238.335
54.5	1040.978	1068.479	1134.803	1200.320	1221.349

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-DIM-UNV_.IES

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55.0	1020.757	1049.066	1116.200	1181.716	1205.981
55.5	1003.771	1028.845	1097.597	1164.731	1187.378
56.0	984.359	1011.051	1079.802	1147.745	1170.392
56.5	964.138	992.448	1061.199	1130.759	1154.216
57.0	944.726	973.844	1043.404	1113.774	1137.230
57.5	924.505	954.432	1028.037	1097.597	1118.627
58.0	904.284	935.020	1010.242	1079.802	1104.876
58.5	884.872	915.608	992.448	1064.434	1088.700
59.0	865.460	896.195	975.462	1050.684	1071.714
59.5	846.047	877.592	960.094	1033.698	1058.772
60.0	826.635	858.180	943.108	1017.522	1042.596
60.5	807.627	839.577	926.123	1002.154	1026.419
61.0	788.539	820.973	909.137	986.786	1011.051
61.5	769.612	802.532	892.151	971.418	996.492
62.0	751.009	784.252	875.974	956.859	981.124
62.5	732.648	766.134	858.989	942.299	966.565
63.0	714.045	748.097	842.812	926.931	953.623
63.5	695.603	730.302	827.444	912.372	939.064
64.0	677.647	712.750	811.267	897.004	924.505
64.5	659.771	695.603	795.899	882.445	909.946
65.0	642.058	678.375	780.450	867.886	896.195
65.5	624.587	661.551	765.163	853.327	881.636
66.0	606.873	644.727	750.038	838.768	867.886
66.5	589.564	628.307	734.994	825.018	854.136
67.0	572.659	612.050	720.030	810.458	840.385
67.5	555.674	596.035	705.390	796.870	826.635
68.0	538.931	580.424	690.831	783.120	813.694
68.5	522.430	564.894	676.595	769.774	800.186
69.0	506.011	549.526	662.521	756.347	787.406
69.5	489.834	534.482	648.609	743.325	774.708
70.0	473.738	519.680	634.940	730.545	762.090
70.5	458.046	505.040	621.271	717.765	749.634
71.0	442.517	490.562	607.844	705.147	737.339
71.5	427.149	476.407	594.741	692.853	725.207
72.0	412.104	462.172	581.637	680.639	713.397
72.5	396.979	448.421	568.858	668.669	701.669
73.0	382.258	434.752	556.159	656.860	689.860
73.5	367.942	421.244	543.864	645.131	678.375
74.0	353.787	408.141	531.408	633.808	666.808
74.5	339.875	394.957	519.518	622.565	655.889
75.0	326.044	382.096	507.709	611.564	645.293
75.5	312.455	369.559	496.062	600.645	634.536
76.0	299.271	357.265	484.738	589.807	624.021
76.5	286.168	345.132	473.495	579.211	613.506
77.0	273.226	333.081	462.414	568.696	603.314
77.5	260.528	321.352	451.495	558.504	593.204
78.0	247.991	309.867	440.899	548.475	583.255
78.5	235.696	298.543	430.384	538.364	573.387
79.0	223.644	287.543	420.193	528.577	563.681
79.5	211.674	276.624	410.163	519.033	553.975
80.0	199.865	265.866	400.133	509.570	544.754
80.5	188.379	255.432	390.427	500.025	535.372
81.0	177.217	245.160	381.126	490.805	526.232
81.5	165.893	235.130	371.824	481.665	517.092
82.0	154.974	225.343	362.765	472.848	508.275
82.5	144.297	215.718	353.868	464.032	499.621

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-DIM-UNV_.IES

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83.0	133.782	206.335	345.132	455.539	491.209
83.5	123.348	197.195	336.801	446.884	482.473
84.0	113.157	188.298	328.713	438.715	474.142
84.5	103.046	179.724	320.786	430.627	465.973
85.0	93.340	171.393	313.021	422.619	457.804
85.5	83.634	163.467	305.418	414.854	449.877
86.0	74.090	155.864	297.977	407.251	442.031
86.5	64.626	148.746	290.940	399.648	434.186
87.0	55.325	141.871	283.822	392.450	426.502
87.5	46.023	135.481	277.109	385.170	419.141
88.0	36.802	129.253	270.476	378.133	411.700
88.5	27.501	123.429	264.086	371.177	404.501
89.0	19.008	117.929	258.020	364.464	397.383
89.5	12.052	112.833	252.116	357.993	390.427
90.0	7.199	108.304	246.696	351.846	384.038
90.5	5.096	104.340	241.682	345.699	377.243
91.0	5.419	100.701	236.586	339.470	370.773
91.5	6.471	97.223	231.490	333.566	364.302
92.0	7.684	94.311	226.637	327.580	357.993
92.5	8.978	91.803	222.512	321.838	351.765
93.0	10.272	89.620	218.225	316.418	345.779
93.5	11.647	87.921	214.181	311.080	340.118
94.0	13.103	86.465	210.379	306.065	334.617
94.5	14.478	85.414	206.821	300.970	328.956
95.0	15.853	84.605	203.504	295.955	323.536
95.5	17.147	84.039	200.431	291.183	318.198
96.0	18.199	83.796	197.762	286.572	312.940
96.5	19.250	83.796	195.092	282.285	308.087
97.0	20.221	83.877	192.666	278.160	303.234
97.5	21.273	84.200	190.401	274.197	298.786
98.0	22.162	84.524	188.379	270.315	294.256
98.5	23.214	84.928	186.680	266.594	290.050
99.0	24.265	85.414	184.901	263.116	285.925
99.5	25.398	85.980	183.364	259.800	281.881
100.0	26.368	86.546	182.151	256.726	278.241
100.5	27.501	87.193	180.938	253.733	274.521
101.0	28.471	87.840	180.048	250.902	271.204
101.5	29.442	88.487	179.158	248.233	267.807
102.0	30.332	89.134	178.511	245.726	264.814
102.5	31.221	89.781	177.864	243.380	261.822
103.0	32.111	90.509	177.379	241.035	259.153
103.5	33.082	91.237	176.974	239.012	256.402
104.0	34.133	91.884	176.570	237.152	253.895
104.5	35.185	92.612	176.327	235.373	251.549
105.0	36.155	93.340	176.085	233.755	249.285
105.5	37.045	93.987	175.842	232.056	247.343
106.0	38.096	94.796	175.761	230.600	245.402
106.5	39.067	95.524	175.761	229.225	243.461
107.0	40.038	96.333	175.761	227.931	241.843
107.5	40.927	96.980	175.761	226.961	240.145
108.0	42.060	97.789	175.761	225.828	238.446
108.5	43.111	98.598	175.842	225.019	237.314
109.0	44.163	99.245	176.004	223.968	236.181
109.5	45.295	99.973	176.085	223.240	234.968
110.0	46.427	100.701	176.246	222.431	233.998
110.5	47.560	101.429	176.408	221.703	233.108

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

111.0	48.692	102.157	176.489	221.056	232.137
111.5	49.825	102.804	176.570	220.571	231.328
112.0	51.038	103.532	176.732	220.086	230.358
112.5	52.251	104.260	176.893	219.519	229.468
113.0	53.545	104.988	177.136	219.115	229.064
113.5	54.759	105.635	177.136	218.711	228.497
114.0	56.053	106.282	177.298	218.387	227.931
114.5	57.266	107.010	177.460	217.983	227.446
115.0	58.560	107.576	177.621	217.740	227.042
115.5	59.854	108.304	177.621	217.497	226.637
116.0	61.067	108.951	177.864	217.174	226.152
116.5	62.200	109.598	178.026	216.850	225.990
117.0	63.494	110.326	178.188	216.850	225.586
117.5	64.707	110.892	178.349	216.527	225.343
118.0	65.759	111.458	178.511	216.365	225.019
118.5	66.972	112.024	178.592	216.122	224.939
119.0	68.024	112.591	178.754	215.880	224.453
119.5	69.156	112.995	178.916	215.637	224.372
120.0	70.207	113.399	178.835	215.475	223.968
120.5	71.259	113.885	178.916	215.152	223.887
121.0	72.310	114.208	179.077	214.909	223.564
121.5	73.443	114.613	178.996	214.585	223.402
122.0	74.494	115.098	178.996	214.424	223.159
122.5	75.546	115.583	179.077	214.100	222.593
123.0	76.597	116.069	178.996	213.777	222.512
123.5	77.568	116.473	178.835	213.534	222.027
124.0	78.377	116.797	178.835	213.291	221.946
124.5	79.186	117.120	178.835	212.887	221.622
125.0	79.994	117.525	178.673	212.482	221.299
125.5	80.803	117.767	178.511	212.240	220.894
126.0	81.531	118.091	178.430	211.754	220.571
126.5	82.178	118.495	178.268	211.431	220.328
127.0	82.906	118.657	178.107	211.027	220.005
127.5	83.472	118.900	177.864	210.622	219.438
128.0	84.200	118.900	177.783	210.137	219.115
128.5	84.767	119.061	177.460	209.732	218.791
129.0	85.333	119.223	177.136	209.328	218.387
129.5	85.818	119.466	176.570	208.681	217.902
130.0	86.222	119.628	176.004	208.276	217.416
130.5	86.627	119.789	175.357	207.791	216.850
131.0	86.869	120.032	174.710	207.063	216.284
131.5	87.193	120.275	174.063	206.416	215.718
132.0	87.517	120.517	173.335	206.012	215.233
132.5	87.678	120.598	172.526	205.203	214.505
133.0	87.921	120.679	172.202	204.475	213.615
133.5	88.002	120.598	171.717	203.909	213.210
134.0	88.083	120.436	171.393	203.262	212.644
134.5	88.325	120.113	170.989	202.534	211.593
135.0	88.568	119.870	170.504	201.563	210.784
135.5	88.487	119.223	170.099	200.916	210.137
136.0	88.649	119.142	169.533	200.107	209.328
136.5	88.811	118.900	169.129	199.217	208.519
137.0	88.892	118.495	168.482	198.490	207.629
137.5	88.972	118.091	167.915	197.519	206.821
138.0	89.134	117.848	167.106	196.710	205.850
138.5	89.134	117.525	166.055	195.820	205.122

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	89.053	117.282	164.842	194.769	203.990
139.5	89.053	116.958	163.386	193.636	203.181
140.0	89.053	116.554	161.768	192.585	202.048
140.5	89.053	116.311	160.312	191.291	200.835
141.0	89.053	116.150	158.695	189.916	199.865
141.5	89.053	115.826	157.077	188.703	198.894
142.0	88.972	115.664	155.540	187.166	197.842
142.5	88.892	115.422	153.922	185.791	196.629
143.0	88.811	115.179	152.386	184.497	195.416
143.5	88.811	114.855	150.606	183.122	194.284
144.0	88.811	114.451	149.069	182.070	192.989
144.5	89.053	114.127	147.533	180.857	191.857
145.0	89.377	113.804	145.834	179.805	190.563
145.5	89.943	113.399	144.297	178.754	189.269
146.0	90.671	113.076	142.841	177.621	188.055
146.5	91.399	112.752	141.628	176.408	186.680
147.0	92.127	112.348	140.253	175.195	185.305
147.5	92.774	112.186	139.201	173.982	183.930
148.0	93.502	111.863	138.069	172.607	182.474
148.5	94.149	111.782	137.179	171.312	181.019
149.0	94.958	111.782	136.209	170.018	179.724
149.5	95.524	112.024	135.319	168.643	178.107
150.0	96.171	112.186	134.429	167.349	176.408
150.5	96.737	112.267	133.459	165.893	174.629
151.0	97.142	112.510	132.165	164.437	172.526
151.5	97.546	112.591	130.790	162.901	170.585
152.0	98.031	112.752	129.495	161.283	168.643
152.5	98.517	112.914	128.282	159.584	166.540
153.0	98.840	112.995	126.988	157.643	164.842
153.5	99.245	113.238	125.613	155.621	162.901
154.0	99.568	113.157	124.400	153.356	161.283
154.5	99.973	113.238	123.348	151.172	159.665
155.0	100.134	113.399	122.297	148.665	158.452
155.5	100.458	113.480	121.245	146.319	157.158
156.0	100.701	113.480	120.517	143.812	156.025
156.5	101.105	113.480	119.789	141.304	154.569
157.0	101.267	113.642	119.061	139.040	153.194
157.5	101.510	113.642	118.576	136.856	151.658
158.0	101.833	113.561	118.333	134.591	150.202
158.5	101.914	113.561	118.010	132.731	148.503
159.0	102.318	113.319	117.767	130.951	147.047
159.5	102.642	113.157	117.363	129.253	145.430
160.0	103.046	112.995	116.958	127.878	143.812
160.5	103.532	112.914	116.635	126.584	142.275
161.0	103.855	112.672	116.554	125.209	140.738
161.5	104.340	112.591	116.392	123.834	139.606
162.0	104.745	112.429	116.635	122.701	138.635
162.5	105.149	112.429	116.797	121.488	137.503
163.0	105.635	112.348	116.877	120.194	136.532
163.5	106.039	112.348	117.039	118.819	135.319
164.0	106.201	112.348	117.201	117.120	134.187
164.5	106.443	112.186	117.039	115.826	132.731
165.0	106.686	112.186	116.797	114.532	131.275
165.5	106.929	112.105	116.554	113.642	129.738
166.0	107.171	112.024	116.392	112.672	127.392
166.5	107.414	112.024	116.150	111.863	126.260

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	107.738	112.024	115.907	111.135	125.370
167.5	107.899	112.024	115.422	110.488	124.481
168.0	108.142	112.024	115.017	109.841	123.753
168.5	108.627	111.701	114.451	109.274	122.863
169.0	108.870	111.782	114.047	108.708	121.973
169.5	109.274	111.539	113.399	108.061	121.003
170.0	109.436	111.458	112.833	107.252	120.113
170.5	109.679	111.296	112.105	106.363	119.142
171.0	109.841	111.135	111.296	105.392	117.929
171.5	110.083	111.135	110.569	104.502	116.958
172.0	110.488	110.973	110.164	103.612	115.502
172.5	110.730	110.973	109.679	102.642	113.885
173.0	111.054	110.811	109.274	101.752	111.135
173.5	111.458	110.892	109.113	100.862	107.010
174.0	111.782	110.892	109.032	100.134	101.914
174.5	112.024	110.892	108.870	99.407	95.848
175.0	112.510	111.135	108.789	98.840	88.972
175.5	112.672	111.216	108.708	98.598	81.774
176.0	112.995	111.377	108.708	98.355	77.083
176.5	113.076	111.458	108.627	98.355	73.766
177.0	113.399	111.620	108.466	98.112	70.369
177.5	113.480	111.620	108.223	98.031	69.641
178.0	113.804	111.782	108.142	97.951	69.803
178.5	113.966	111.863	108.223	97.789	69.965
179.0	114.127	111.863	108.142	97.546	70.046
179.5	114.289	111.863	108.061	97.465	70.126
180.0	102.480	102.480	102.480	102.480	102.480

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	926.02	N.A.	11.70
0-30	1940.33	N.A.	24.50
0-40	3116.87	N.A.	39.40
0-60	5274.89	N.A.	66.70
0-80	6571.57	N.A.	83.10
0-90	6897.68	N.A.	87.30
10-90	6656.27	N.A.	84.20
20-40	2190.84	N.A.	27.70
20-50	3349.45	N.A.	42.40
40-70	2926.74	N.A.	37.00
60-80	1296.68	N.A.	16.40
70-80	527.96	N.A.	6.70
80-90	326.11	N.A.	4.10
90-110	380.90	N.A.	4.80
90-120	541.26	N.A.	6.80
90-130	688.84	N.A.	8.70
90-150	904.32	N.A.	11.40
90-180	1007.33	N.A.	12.70
110-180	626.43	N.A.	7.90
0-180	7905.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	241.42
10-20	684.60
20-30	1014.31
30-40	1176.54
40-50	1158.6
50-60	999.42
60-70	768.72
70-80	527.96
80-90	326.11
90-100	208.94
100-110	171.96
110-120	160.36
120-130	147.58
130-140	124.02
140-150	91.46
150-160	59.80
160-170	32.95
170-180	10.26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L100-930-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-L100-930-DIM-UNV_.IES

UGR TABLE - CORRECTED

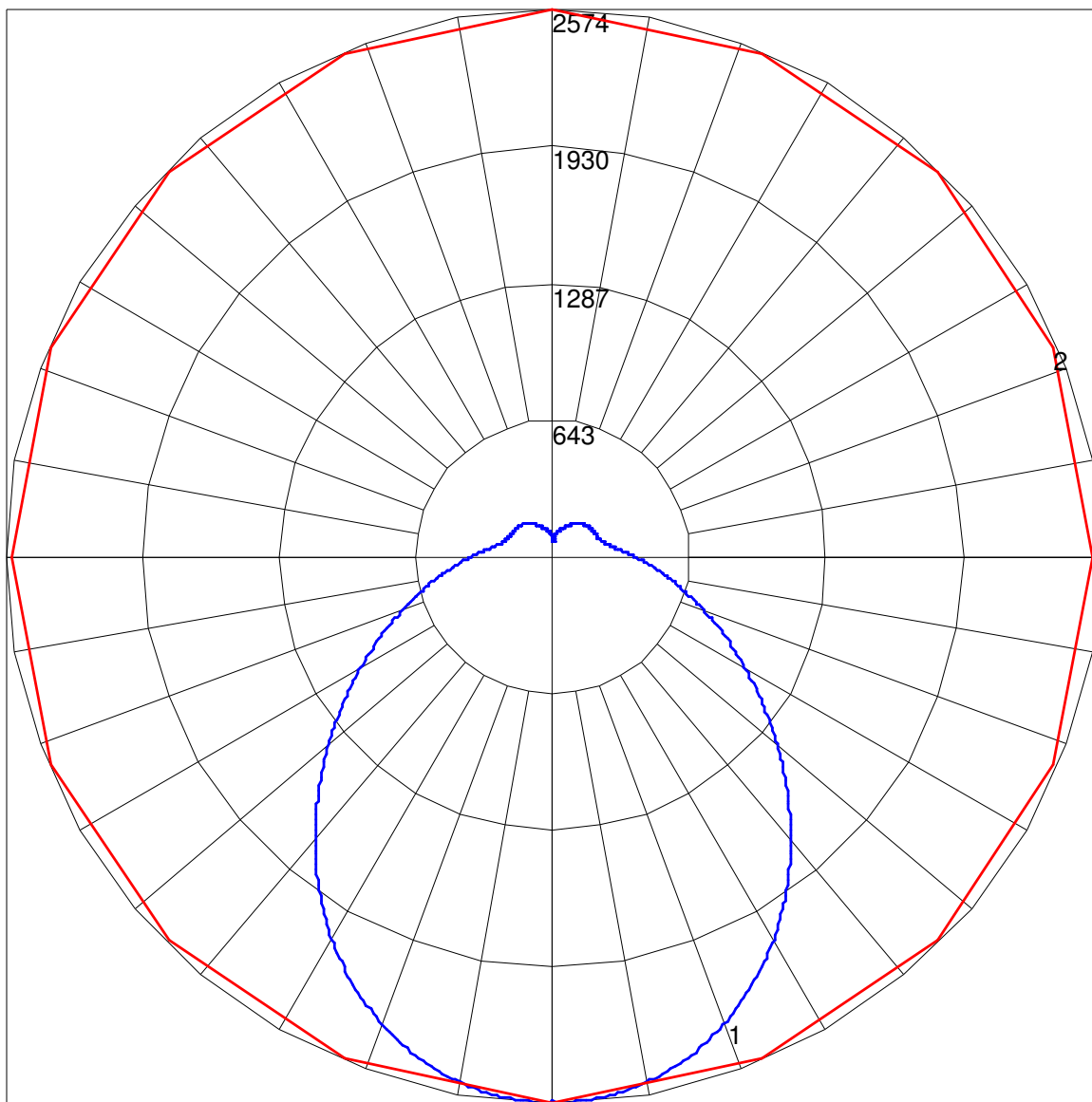
Reflectances

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	19.0	20.4	19.6	20.9	21.5	20.7	22.0	21.2	22.6	23.2
	3H	20.4	21.6	20.9	22.2	22.8	22.9	24.1	23.4	24.7	25.3
	4H	20.8	22.0	21.4	22.6	23.2	23.9	25.1	24.5	25.7	26.4
	6H	21.1	22.2	21.7	22.8	23.5	25.1	26.1	25.7	26.7	27.4
	8H	21.2	22.2	21.8	22.8	23.5	25.6	26.7	26.3	27.3	28.0
	12H	21.2	22.2	21.8	22.8	23.5	26.3	27.3	26.9	27.9	28.6
4H	2H	19.7	20.9	20.3	21.5	22.2	21.1	22.2	21.7	22.8	23.5
	3H	21.3	22.3	21.9	22.9	23.6	23.5	24.5	24.1	25.1	25.8
	4H	21.9	22.8	22.5	23.4	24.2	24.8	25.6	25.4	26.3	27.0
	6H	22.3	23.1	23.0	23.8	24.5	26.1	26.9	26.7	27.5	28.3
	8H	22.4	23.2	23.1	23.8	24.6	26.8	27.5	27.4	28.2	28.9
	12H	22.5	23.2	23.2	23.9	24.6	27.6	28.2	28.2	28.9	29.7
8H	4H	22.5	23.2	23.1	23.9	24.6	24.9	25.7	25.6	26.3	27.1
	6H	23.1	23.7	23.7	24.4	25.1	26.4	27.1	27.1	27.8	28.5
	8H	23.3	23.8	23.9	24.5	25.3	27.3	27.9	28.0	28.6	29.3
	12H	23.4	23.9	24.1	24.6	25.4	28.3	28.8	29.0	29.5	30.3
12H	4H	22.6	23.3	23.3	24.0	24.7	24.9	25.6	25.6	26.3	27.1
	6H	23.3	23.9	24.0	24.6	25.4	26.5	27.1	27.2	27.7	28.5
	8H	23.6	24.1	24.3	24.8	25.6	27.4	27.9	28.1	28.6	29.4

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 2573.731 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.)