

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L60-830-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-L60-830-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	5465
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	35.3
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)	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	6045	5391	5302
55	5259	4626	4655
65	4454	3974	4148
75	3630	3490	3878
85	2851	3473	4097

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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	1768.665	1768.665	1768.665	1768.665	1768.665
0.5	1760.277	1766.987	1768.106	1767.547	1779.289
1.0	1760.277	1767.547	1767.547	1766.987	1778.730
1.5	1758.600	1767.547	1766.987	1766.428	1779.289
2.0	1758.041	1765.869	1766.987	1765.869	1777.612
2.5	1758.041	1765.869	1765.310	1765.310	1776.493
3.0	1756.363	1764.192	1764.192	1764.192	1775.375
3.5	1755.245	1762.514	1762.514	1763.073	1774.257
4.0	1754.126	1761.396	1761.396	1760.836	1773.138
4.5	1751.331	1759.718	1760.277	1759.718	1771.461
5.0	1749.653	1758.041	1758.041	1758.041	1769.783
5.5	1747.416	1755.804	1755.804	1756.363	1767.547
6.0	1746.298	1753.008	1753.567	1753.567	1765.310
6.5	1742.384	1750.771	1751.331	1751.331	1762.514
7.0	1740.147	1747.976	1748.535	1747.976	1760.277
7.5	1737.910	1744.620	1745.739	1745.739	1757.481
8.0	1735.115	1742.384	1742.384	1742.384	1753.567
8.5	1732.319	1738.470	1739.588	1739.588	1750.212
9.0	1727.845	1735.674	1736.233	1735.674	1746.298
9.5	1725.049	1731.759	1731.759	1731.759	1744.061
10.0	1720.576	1727.286	1727.286	1728.404	1739.588
10.5	1716.662	1723.372	1723.931	1723.931	1735.674
11.0	1712.748	1719.458	1720.017	1719.458	1731.200
11.5	1707.715	1714.984	1716.103	1714.984	1727.286
12.0	1703.242	1709.952	1711.070	1711.070	1722.254
12.5	1698.768	1704.919	1706.597	1705.478	1717.780
13.0	1693.736	1700.446	1701.564	1701.005	1712.748
13.5	1688.703	1694.854	1695.972	1695.972	1708.274
14.0	1682.552	1689.262	1690.381	1690.381	1702.123
14.5	1677.520	1683.671	1684.789	1684.789	1697.650
15.0	1672.487	1678.079	1678.638	1678.638	1690.940
15.5	1666.336	1671.369	1673.046	1673.046	1684.230
16.0	1659.626	1665.218	1666.895	1666.895	1678.638
16.5	1654.034	1658.508	1660.185	1660.744	1672.487
17.0	1646.206	1651.239	1653.475	1654.034	1665.777
17.5	1639.496	1644.528	1646.765	1647.324	1659.067
18.0	1633.345	1637.818	1639.496	1641.173	1652.916
18.5	1626.076	1631.108	1632.786	1633.904	1645.647
19.0	1618.806	1622.721	1625.517	1626.635	1637.818
19.5	1610.419	1616.011	1618.247	1620.484	1630.549
20.0	1601.472	1607.623	1610.419	1612.096	1622.721
20.5	1592.525	1600.354	1602.590	1604.827	1615.451
21.0	1585.256	1591.407	1593.085	1597.558	1607.623
21.5	1576.868	1583.019	1585.815	1588.052	1599.235
22.0	1567.922	1575.191	1577.987	1580.224	1591.966
22.5	1560.093	1565.126	1569.040	1572.395	1583.579
23.0	1550.587	1556.179	1560.093	1563.448	1574.632
23.5	1540.522	1546.673	1551.706	1555.061	1566.244
24.0	1530.457	1537.167	1542.200	1546.114	1557.297
24.5	1522.070	1527.661	1533.253	1536.608	1547.232
25.0	1512.564	1518.155	1524.306	1527.661	1538.286
25.5	1501.939	1508.649	1513.682	1518.714	1527.661
26.0	1491.874	1498.025	1504.735	1509.209	1519.274
26.5	1481.250	1487.401	1495.229	1499.143	1509.768

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**CANDELA TABULATION - (Cont.)**

27.0	1470.626	1476.217	1485.723	1490.756	1500.262
27.5	1458.324	1465.593	1475.099	1479.572	1490.756
28.0	1449.377	1454.969	1464.475	1469.507	1480.132
28.5	1437.634	1444.344	1453.850	1458.883	1469.507
29.0	1426.451	1433.161	1442.667	1448.818	1459.442
29.5	1414.708	1421.418	1431.483	1437.634	1448.259
30.0	1402.966	1410.235	1420.300	1428.128	1438.753
30.5	1390.664	1397.933	1409.676	1417.504	1427.569
31.0	1378.921	1386.190	1397.933	1406.321	1415.827
31.5	1366.619	1375.007	1386.750	1395.696	1405.761
32.0	1354.877	1362.146	1375.566	1383.954	1394.019
32.5	1342.016	1349.844	1363.823	1372.770	1382.835
33.0	1329.714	1338.102	1350.963	1361.587	1371.652
33.5	1317.971	1325.800	1339.779	1349.285	1359.909
34.0	1303.992	1312.939	1327.477	1338.102	1349.285
34.5	1291.131	1300.637	1315.735	1325.800	1336.983
35.0	1279.388	1287.217	1303.992	1314.616	1325.241
35.5	1264.291	1274.915	1291.131	1302.314	1312.939
36.0	1252.548	1261.495	1278.829	1290.013	1301.196
36.5	1238.010	1248.075	1265.968	1278.270	1290.013
37.0	1224.589	1235.214	1253.107	1265.409	1278.270
37.5	1210.610	1221.234	1240.805	1254.226	1265.409
38.0	1196.631	1207.814	1227.385	1241.365	1251.989
38.5	1182.092	1193.835	1214.524	1229.622	1239.687
39.0	1169.231	1179.856	1201.104	1216.761	1229.622
39.5	1154.693	1166.995	1188.243	1203.900	1216.202
40.0	1139.036	1152.456	1174.823	1192.157	1203.341
40.5	1124.497	1138.477	1161.962	1179.856	1191.039
41.0	1111.077	1124.497	1148.542	1166.995	1178.178
41.5	1096.539	1110.518	1135.122	1154.134	1165.876
42.0	1082.000	1096.539	1121.701	1141.832	1153.574
42.5	1068.021	1082.000	1107.722	1128.971	1140.713
43.0	1052.364	1068.021	1094.861	1116.669	1128.412
43.5	1038.944	1053.482	1080.882	1103.808	1116.110
44.0	1023.846	1038.944	1066.903	1091.506	1103.249
44.5	1009.867	1024.965	1052.923	1078.086	1090.388
45.0	995.328	1010.426	1039.503	1066.343	1078.645
45.5	980.790	996.447	1026.083	1054.042	1066.343
46.0	966.251	981.908	1011.544	1040.621	1053.482
46.5	951.713	967.370	999.243	1029.438	1041.181
47.0	936.615	953.390	985.263	1016.018	1028.879
47.5	922.077	938.852	971.284	1003.157	1016.018
48.0	908.097	924.313	957.305	991.414	1003.157
48.5	892.440	910.334	944.444	977.994	990.855
49.0	878.461	895.236	929.905	965.133	977.994
49.5	863.923	881.257	916.485	952.831	965.692
50.0	848.825	866.719	903.065	939.411	952.831
50.5	834.846	852.739	889.085	928.228	941.089
51.0	820.307	838.201	876.784	915.367	928.787
51.5	806.328	823.662	862.804	903.065	916.485
52.0	791.230	809.683	849.384	890.204	904.183
52.5	776.692	795.144	836.523	877.343	892.440
53.0	761.594	781.165	823.103	866.159	879.579
53.5	747.055	767.186	810.242	853.298	867.837
54.0	733.076	753.206	797.381	840.997	856.094
54.5	719.656	738.668	784.520	829.813	844.352

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**CANDELA TABULATION - (Cont.)**

55.0	705.677	725.248	771.659	816.952	833.727
55.5	693.934	711.268	758.798	805.209	820.866
56.0	680.514	698.967	746.496	793.467	809.124
56.5	666.534	686.106	733.635	781.724	797.940
57.0	653.114	673.245	721.333	769.982	786.198
57.5	639.135	659.824	710.709	758.798	773.337
58.0	625.156	646.404	698.407	746.496	763.831
58.5	611.736	632.984	686.106	735.872	752.647
59.0	598.315	619.564	674.363	726.366	740.905
59.5	584.895	606.703	663.739	714.623	731.958
60.0	571.475	593.283	651.996	703.440	720.774
60.5	558.334	580.422	640.253	692.816	709.591
61.0	545.138	567.561	628.511	682.191	698.967
61.5	532.053	554.812	616.768	671.567	688.901
62.0	519.192	542.174	605.585	661.502	678.277
62.5	506.499	529.649	593.842	651.437	668.212
63.0	493.638	517.179	582.659	640.813	659.265
63.5	480.889	504.878	572.034	630.747	649.200
64.0	468.475	492.743	560.851	620.123	639.135
64.5	456.118	480.889	550.226	610.058	629.070
65.0	443.872	468.979	539.546	599.993	619.564
65.5	431.794	457.348	528.978	589.928	609.499
66.0	419.548	445.717	518.521	579.863	599.993
66.5	407.581	434.366	508.121	570.357	590.487
67.0	395.895	423.126	497.776	560.292	580.981
67.5	384.152	412.055	487.655	550.897	571.475
68.0	372.577	401.263	477.590	541.392	562.528
68.5	361.170	390.527	467.748	532.165	553.190
69.0	349.819	379.902	458.019	522.883	544.355
69.5	338.635	369.502	448.401	513.880	535.576
70.0	327.508	359.269	438.951	505.045	526.853
70.5	316.660	349.148	429.501	496.210	518.242
71.0	305.924	339.139	420.219	487.487	509.742
71.5	295.299	329.353	411.160	478.988	501.355
72.0	284.899	319.512	402.101	470.544	493.191
72.5	274.442	310.006	393.267	462.269	485.083
73.0	264.265	300.556	384.488	454.105	476.919
73.5	254.368	291.217	375.988	445.997	468.979
74.0	244.582	282.159	367.377	438.168	460.982
74.5	234.965	273.044	359.157	430.396	453.434
75.0	225.403	264.153	350.993	422.791	446.108
75.5	216.009	255.486	342.941	415.242	438.671
76.0	206.894	246.987	335.113	407.749	431.402
76.5	197.835	238.599	327.340	400.424	424.133
77.0	188.889	230.268	319.679	393.155	417.087
77.5	180.110	222.160	312.130	386.109	410.098
78.0	171.443	214.219	304.805	379.175	403.220
78.5	162.943	206.391	297.536	372.186	396.398
79.0	154.611	198.786	290.490	365.420	389.688
79.5	146.336	191.237	283.557	358.821	382.978
80.0	138.172	183.800	276.623	352.279	376.603
80.5	130.231	176.587	269.913	345.681	370.117
81.0	122.515	169.485	263.482	339.306	363.798
81.5	114.686	162.552	257.052	332.988	357.479
82.0	107.138	155.786	250.789	326.893	351.384
82.5	99.757	149.131	244.638	320.798	345.401

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**CANDELA TABULATION - (Cont.)**

83.0	92.487	142.645	238.599	314.926	339.586
83.5	85.274	136.326	232.840	308.943	333.547
84.0	78.228	130.176	227.248	303.296	327.787
84.5	71.239	124.248	221.768	297.704	322.140
85.0	64.529	118.489	216.400	292.168	316.492
85.5	57.819	113.009	211.144	286.800	311.012
86.0	51.220	107.753	205.999	281.544	305.588
86.5	44.678	102.832	201.135	276.287	300.164
87.0	38.247	98.079	196.214	271.311	294.852
87.5	31.817	93.662	191.573	266.278	289.764
88.0	25.442	89.356	186.988	261.413	284.619
88.5	19.012	85.330	182.570	256.605	279.643
89.0	13.141	81.527	178.376	251.963	274.722
89.5	8.332	78.005	174.294	247.490	269.913
90.0	4.977	74.873	170.548	243.240	265.495
90.5	3.523	72.133	167.081	238.991	260.798
91.0	3.746	69.617	163.558	234.685	256.325
91.5	4.473	67.213	160.035	230.603	251.852
92.0	5.312	65.200	156.680	226.465	247.490
92.5	6.207	63.466	153.829	222.495	243.184
93.0	7.101	61.956	150.865	218.749	239.047
93.5	8.052	60.782	148.069	215.058	235.132
94.0	9.059	59.776	145.441	211.591	231.330
94.5	10.009	59.049	142.981	208.068	227.416
95.0	10.960	58.490	140.688	204.601	223.669
95.5	11.854	58.098	138.563	201.302	219.979
96.0	12.581	57.930	136.718	198.115	216.344
96.5	13.308	57.930	134.873	195.151	212.989
97.0	13.979	57.986	133.195	192.300	209.634
97.5	14.706	58.210	131.629	189.560	206.559
98.0	15.321	58.434	130.231	186.876	203.427
98.5	16.048	58.713	129.057	184.303	200.520
99.0	16.775	59.049	127.827	181.899	197.668
99.5	17.558	59.440	126.765	179.606	194.872
100.0	18.229	59.832	125.926	177.482	192.356
100.5	19.012	60.279	125.087	175.413	189.783
101.0	19.683	60.726	124.472	173.456	187.491
101.5	20.354	61.174	123.857	171.610	185.142
102.0	20.969	61.621	123.410	169.877	183.073
102.5	21.584	62.068	122.962	168.255	181.004
103.0	22.199	62.571	122.627	166.634	179.159
103.5	22.870	63.075	122.347	165.236	177.258
104.0	23.597	63.522	122.068	163.950	175.524
104.5	24.324	64.025	121.900	162.719	173.903
105.0	24.995	64.529	121.732	161.601	172.337
105.5	25.610	64.976	121.564	160.427	170.995
106.0	26.337	65.535	121.508	159.420	169.653
106.5	27.008	66.038	121.508	158.470	168.311
107.0	27.679	66.598	121.508	157.575	167.193
107.5	28.294	67.045	121.508	156.904	166.019
108.0	29.077	67.604	121.508	156.121	164.844
108.5	29.804	68.163	121.564	155.562	164.061
109.0	30.531	68.611	121.676	154.835	163.279
109.5	31.314	69.114	121.732	154.332	162.440
110.0	32.097	69.617	121.844	153.773	161.769
110.5	32.879	70.120	121.956	153.269	161.154

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**CANDELA TABULATION - (Cont.)**

111.0	33.662	70.624	122.012	152.822	160.483
111.5	34.445	71.071	122.068	152.487	159.924
112.0	35.284	71.574	122.179	152.151	159.253
112.5	36.123	72.077	122.291	151.760	158.637
113.0	37.017	72.581	122.459	151.480	158.358
113.5	37.856	73.028	122.459	151.200	157.966
114.0	38.751	73.475	122.571	150.977	157.575
114.5	39.589	73.979	122.683	150.697	157.240
115.0	40.484	74.370	122.794	150.529	156.960
115.5	41.379	74.873	122.794	150.362	156.680
116.0	42.218	75.321	122.962	150.138	156.345
116.5	43.000	75.768	123.074	149.914	156.233
117.0	43.895	76.271	123.186	149.914	155.953
117.5	44.734	76.663	123.298	149.691	155.786
118.0	45.461	77.054	123.410	149.579	155.562
118.5	46.300	77.445	123.465	149.411	155.506
119.0	47.026	77.837	123.577	149.243	155.171
119.5	47.809	78.116	123.689	149.076	155.115
120.0	48.536	78.396	123.633	148.964	154.835
120.5	49.263	78.732	123.689	148.740	154.779
121.0	49.990	78.955	123.801	148.572	154.555
121.5	50.773	79.235	123.745	148.349	154.444
122.0	51.500	79.570	123.745	148.237	154.276
122.5	52.227	79.906	123.801	148.013	153.884
123.0	52.954	80.241	123.745	147.789	153.829
123.5	53.625	80.521	123.633	147.622	153.493
124.0	54.184	80.745	123.633	147.454	153.437
124.5	54.743	80.968	123.633	147.174	153.213
125.0	55.302	81.248	123.521	146.895	152.990
125.5	55.861	81.416	123.410	146.727	152.710
126.0	56.365	81.639	123.354	146.392	152.487
126.5	56.812	81.919	123.242	146.168	152.319
127.0	57.315	82.031	123.130	145.888	152.095
127.5	57.707	82.198	122.962	145.609	151.704
128.0	58.210	82.198	122.906	145.273	151.480
128.5	58.601	82.310	122.683	144.994	151.256
129.0	58.993	82.422	122.459	144.714	150.977
129.5	59.328	82.590	122.068	144.267	150.641
130.0	59.608	82.702	121.676	143.987	150.306
130.5	59.887	82.814	121.229	143.652	149.914
131.0	60.055	82.981	120.781	143.148	149.523
131.5	60.279	83.149	120.334	142.701	149.131
132.0	60.503	83.317	119.831	142.421	148.796
132.5	60.614	83.373	119.272	141.862	148.293
133.0	60.782	83.429	119.048	141.359	147.678
133.5	60.838	83.373	118.712	140.968	147.398
134.0	60.894	83.261	118.489	140.520	147.007
134.5	61.062	83.037	118.209	140.017	146.280
135.0	61.229	82.869	117.874	139.346	145.721
135.5	61.174	82.422	117.594	138.899	145.273
136.0	61.285	82.366	117.203	138.339	144.714
136.5	61.397	82.198	116.923	137.724	144.155
137.0	61.453	81.919	116.476	137.221	143.540
137.5	61.509	81.639	116.084	136.550	142.981
138.0	61.621	81.472	115.525	135.991	142.310
138.5	61.621	81.248	114.798	135.376	141.806

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L60-830-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	61.565	81.080	113.960	134.649	141.023
139.5	61.565	80.856	112.953	133.866	140.464
140.0	61.565	80.577	111.835	133.139	139.681
140.5	61.565	80.409	110.828	132.244	138.843
141.0	61.565	80.297	109.710	131.294	138.172
141.5	61.565	80.074	108.591	130.455	137.501
142.0	61.509	79.962	107.529	129.393	136.774
142.5	61.453	79.794	106.411	128.442	135.935
143.0	61.397	79.626	105.348	127.547	135.096
143.5	61.397	79.403	104.118	126.597	134.313
144.0	61.397	79.123	103.056	125.870	133.419
144.5	61.565	78.899	101.993	125.031	132.636
145.0	61.789	78.676	100.819	124.304	131.741
145.5	62.180	78.396	99.757	123.577	130.847
146.0	62.683	78.172	98.750	122.794	130.008
146.5	63.187	77.949	97.911	121.956	129.057
147.0	63.690	77.669	96.961	121.117	128.107
147.5	64.137	77.557	96.234	120.278	127.156
148.0	64.640	77.334	95.451	119.328	126.149
148.5	65.088	77.278	94.836	118.433	125.143
149.0	65.647	77.278	94.165	117.538	124.248
149.5	66.038	77.445	93.550	116.588	123.130
150.0	66.486	77.557	92.935	115.693	121.956
150.5	66.877	77.613	92.264	114.686	120.725
151.0	67.157	77.781	91.369	113.680	119.272
151.5	67.436	77.837	90.418	112.617	117.930
152.0	67.772	77.949	89.524	111.499	116.588
152.5	68.107	78.061	88.685	110.325	115.134
153.0	68.331	78.116	87.790	108.983	113.960
153.5	68.611	78.284	86.840	107.585	112.617
154.0	68.834	78.228	86.001	106.019	111.499
154.5	69.114	78.284	85.274	104.509	110.381
155.0	69.226	78.396	84.547	102.776	109.542
155.5	69.449	78.452	83.820	101.154	108.647
156.0	69.617	78.452	83.317	99.421	107.865
156.5	69.897	78.452	82.814	97.688	106.858
157.0	70.008	78.564	82.310	96.122	105.907
157.5	70.176	78.564	81.975	94.612	104.845
158.0	70.400	78.508	81.807	93.046	103.838
158.5	70.456	78.508	81.583	91.760	102.664
159.0	70.735	78.340	81.416	90.530	101.658
159.5	70.959	78.228	81.136	89.356	100.539
160.0	71.239	78.116	80.856	88.405	99.421
160.5	71.574	78.061	80.633	87.511	98.359
161.0	71.798	77.893	80.577	86.560	97.296
161.5	72.133	77.837	80.465	85.609	96.513
162.0	72.413	77.725	80.633	84.827	95.842
162.5	72.693	77.725	80.745	83.988	95.059
163.0	73.028	77.669	80.801	83.093	94.388
163.5	73.308	77.669	80.912	82.143	93.550
164.0	73.419	77.669	81.024	80.968	92.767
164.5	73.587	77.557	80.912	80.074	91.760
165.0	73.755	77.557	80.745	79.179	90.754
165.5	73.923	77.501	80.577	78.564	89.691
166.0	74.090	77.445	80.465	77.893	88.070
166.5	74.258	77.445	80.297	77.334	87.287

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

167.0	74.482	77.445	80.130	76.830	86.672
167.5	74.594	77.445	79.794	76.383	86.057
168.0	74.761	77.445	79.514	75.936	85.554
168.5	75.097	77.222	79.123	75.544	84.938
169.0	75.265	77.278	78.843	75.153	84.323
169.5	75.544	77.110	78.396	74.706	83.652
170.0	75.656	77.054	78.005	74.146	83.037
170.5	75.824	76.942	77.501	73.531	82.366
171.0	75.936	76.830	76.942	72.860	81.527
171.5	76.103	76.830	76.439	72.245	80.856
172.0	76.383	76.719	76.159	71.630	79.850
172.5	76.551	76.719	75.824	70.959	78.732
173.0	76.774	76.607	75.544	70.344	76.830
173.5	77.054	76.663	75.432	69.729	73.979
174.0	77.278	76.663	75.377	69.226	70.456
174.5	77.445	76.663	75.265	68.722	66.262
175.0	77.781	76.830	75.209	68.331	61.509
175.5	77.893	76.886	75.153	68.163	56.532
176.0	78.116	76.998	75.153	67.995	53.289
176.5	78.172	77.054	75.097	67.995	50.997
177.0	78.396	77.166	74.985	67.828	48.648
177.5	78.452	77.166	74.817	67.772	48.145
178.0	78.676	77.278	74.761	67.716	48.257
178.5	78.788	77.334	74.817	67.604	48.368
179.0	78.899	77.334	74.761	67.436	48.424
179.5	79.011	77.334	74.706	67.380	48.480
180.0	70.847	70.847	70.847	70.847	70.847



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L60-830-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	640.18	N.A.	11.70
0-30	1341.4	N.A.	24.50
0-40	2154.77	N.A.	39.40
0-60	3646.67	N.A.	66.70
0-80	4543.1	N.A.	83.10
0-90	4768.55	N.A.	87.30
10-90	4601.66	N.A.	84.20
20-40	1514.59	N.A.	27.70
20-50	2315.56	N.A.	42.40
40-70	2023.34	N.A.	37.00
60-80	896.43	N.A.	16.40
70-80	364.99	N.A.	6.70
80-90	225.45	N.A.	4.10
90-110	263.33	N.A.	4.80
90-120	374.19	N.A.	6.80
90-130	476.21	N.A.	8.70
90-150	625.18	N.A.	11.40
90-180	696.39	N.A.	12.70
110-180	433.07	N.A.	7.90
0-180	5464.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	166.90
10-20	473.29
20-30	701.22
30-40	813.37
40-50	800.97
50-60	690.93
60-70	531.44
70-80	364.99
80-90	225.45
90-100	144.45
100-110	118.88
110-120	110.86
120-130	102.03
130-140	85.74
140-150	63.23
150-160	41.34
160-170	22.78
170-180	7.10

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L60-830-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-L60-830-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

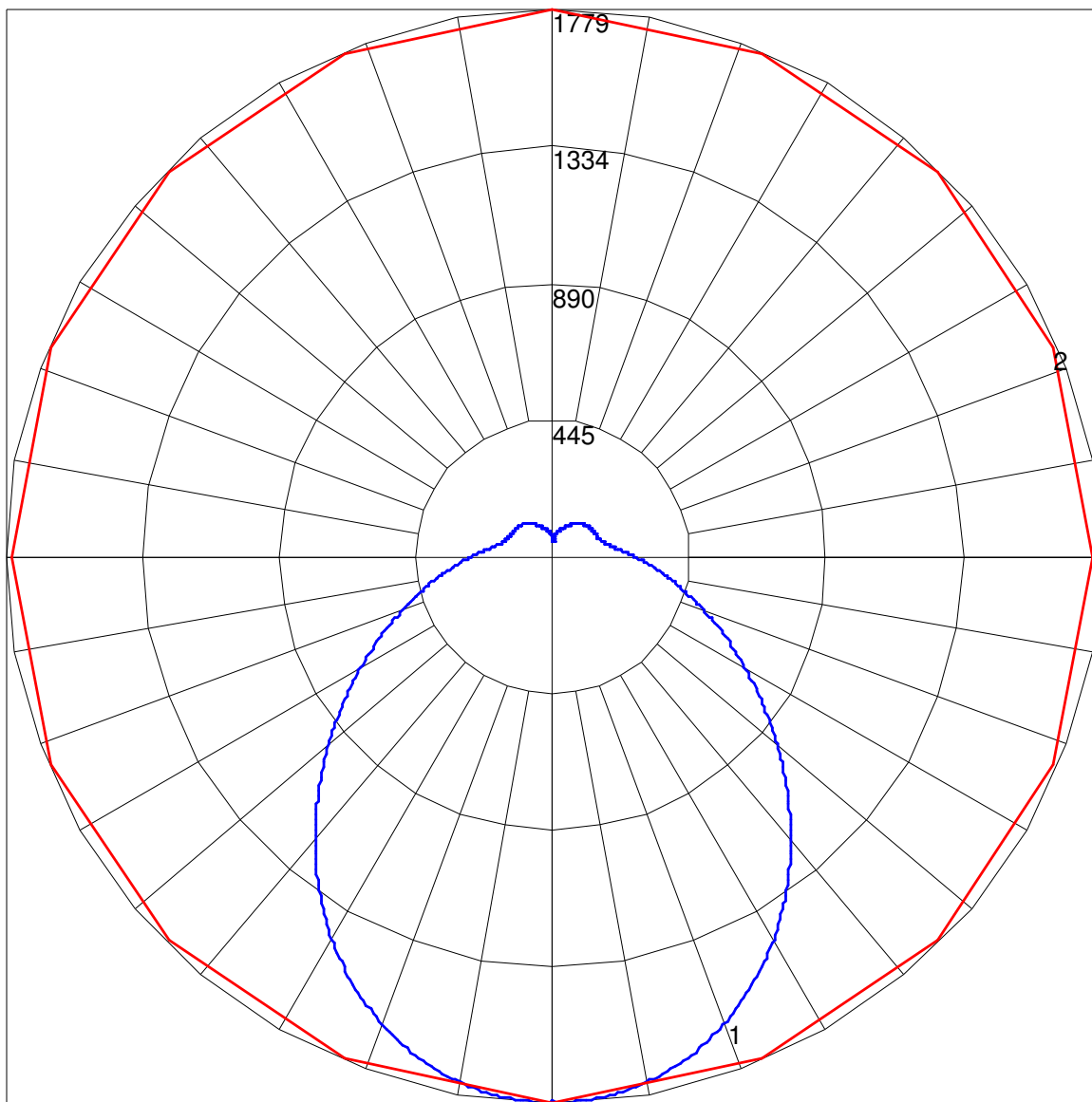
Reflectances

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	15.3	16.7	15.8	17.2	17.8	17.0	18.4	17.6	18.9	19.5
	3H	16.7	17.9	17.2	18.5	19.1	19.2	20.5	19.8	21.0	21.7
	4H	17.1	18.3	17.7	18.8	19.5	20.3	21.5	20.9	22.0	22.7
	6H	17.4	18.5	18.0	19.1	19.8	21.4	22.5	22.0	23.1	23.8
	8H	17.5	18.5	18.1	19.1	19.8	22.0	23.1	22.7	23.7	24.4
	12H	17.5	18.5	18.1	19.1	19.8	22.8	23.7	23.4	24.4	25.1
4H	2H	16.0	17.2	16.6	17.8	18.5	17.4	18.6	18.0	19.2	19.8
	3H	17.6	18.6	18.2	19.2	19.9	19.9	20.8	20.5	21.5	22.2
	4H	18.2	19.1	18.8	19.7	20.5	21.1	22.0	21.7	22.6	23.4
	6H	18.6	19.4	19.3	20.1	20.8	22.5	23.2	23.1	23.9	24.6
	8H	18.7	19.5	19.4	20.1	20.9	23.2	23.9	23.8	24.6	25.3
	12H	18.8	19.5	19.5	20.2	20.9	24.0	24.7	24.7	25.4	26.1
8H	4H	18.8	19.5	19.4	20.2	20.9	21.3	22.0	22.0	22.7	23.5
	6H	19.4	20.0	20.0	20.7	21.4	22.8	23.5	23.5	24.2	24.9
	8H	19.6	20.1	20.3	20.8	21.6	23.7	24.3	24.4	25.0	25.7
	12H	19.7	20.2	20.4	20.9	21.7	24.7	25.2	25.4	25.9	26.7
12H	4H	19.0	19.6	19.6	20.3	21.1	21.3	22.0	22.0	22.7	23.4
	6H	19.6	20.2	20.3	20.9	21.7	22.9	23.4	23.6	24.1	24.9
	8H	19.9	20.4	20.6	21.1	21.9	23.8	24.3	24.5	25.0	25.8

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 1779.289 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.)