

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L60-827-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-L60-827-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	5355
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
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	5923	5282	5195
55	5152	4532	4561
65	4364	3894	4065
75	3557	3420	3799
85	2794	3403	4014

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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	1732.934	1732.934	1732.934	1732.934	1732.934
0.5	1724.716	1731.291	1732.386	1731.838	1743.344
1.0	1724.716	1731.838	1731.838	1731.291	1742.796
1.5	1723.072	1731.838	1731.291	1730.743	1743.344
2.0	1722.525	1730.195	1731.291	1730.195	1741.700
2.5	1722.525	1730.195	1729.647	1729.647	1740.605
3.0	1720.881	1728.551	1728.551	1728.551	1739.509
3.5	1719.785	1726.908	1726.908	1727.455	1738.413
4.0	1718.689	1725.812	1725.812	1725.264	1737.317
4.5	1715.950	1724.168	1724.716	1724.168	1735.674
5.0	1714.306	1722.525	1722.525	1722.525	1734.030
5.5	1712.115	1720.333	1720.333	1720.881	1731.838
6.0	1711.019	1717.594	1718.142	1718.142	1729.647
6.5	1707.184	1715.402	1715.950	1715.950	1726.908
7.0	1704.993	1712.663	1713.211	1712.663	1724.716
7.5	1702.801	1709.376	1710.471	1710.471	1721.977
8.0	1700.062	1707.184	1707.184	1707.184	1718.142
8.5	1697.322	1703.349	1704.445	1704.445	1714.854
9.0	1692.939	1700.610	1701.157	1700.610	1711.019
9.5	1690.200	1696.774	1696.774	1696.774	1708.828
10.0	1685.817	1692.391	1692.391	1693.487	1704.445
10.5	1681.982	1688.556	1689.104	1689.104	1700.610
11.0	1678.147	1684.721	1685.269	1684.721	1696.226
11.5	1673.216	1680.338	1681.434	1680.338	1692.391
12.0	1668.833	1675.407	1676.503	1676.503	1687.460
12.5	1664.450	1670.476	1672.120	1671.024	1683.077
13.0	1659.519	1666.093	1667.189	1666.641	1678.147
13.5	1654.588	1660.615	1661.710	1661.710	1673.764
14.0	1648.561	1655.136	1656.231	1656.231	1667.737
14.5	1643.630	1649.657	1650.753	1650.753	1663.354
15.0	1638.699	1644.178	1644.726	1644.726	1656.779
15.5	1632.673	1637.604	1639.247	1639.247	1650.205
16.0	1626.098	1631.577	1633.221	1633.221	1644.726
16.5	1620.620	1625.003	1626.646	1627.194	1638.699
17.0	1612.949	1617.880	1620.072	1620.620	1632.125
17.5	1606.375	1611.306	1613.497	1614.045	1625.550
18.0	1600.348	1604.731	1606.375	1608.018	1619.524
18.5	1593.226	1598.157	1599.800	1600.896	1612.401
19.0	1586.103	1589.938	1592.678	1593.774	1604.731
19.5	1577.885	1583.364	1585.555	1587.747	1597.609
20.0	1569.119	1575.146	1577.885	1579.529	1589.938
20.5	1560.353	1568.023	1570.215	1572.406	1582.816
21.0	1553.231	1559.257	1560.901	1565.284	1575.146
21.5	1545.013	1551.039	1553.779	1555.970	1566.928
22.0	1536.246	1543.369	1546.108	1548.300	1559.805
22.5	1528.576	1533.507	1537.342	1540.629	1551.587
23.0	1519.262	1524.741	1528.576	1531.863	1542.821
23.5	1509.401	1515.427	1520.358	1523.645	1534.603
24.0	1499.539	1506.113	1511.044	1514.879	1525.837
24.5	1491.321	1496.799	1502.278	1505.565	1515.975
25.0	1482.007	1487.485	1493.512	1496.799	1507.209
25.5	1471.597	1478.172	1483.102	1488.033	1496.799
26.0	1461.735	1467.762	1474.336	1478.719	1488.581
26.5	1451.326	1457.352	1465.022	1468.858	1479.267

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**CANDELA TABULATION - (Cont.)**

27.0	1440.916	1446.395	1455.709	1460.639	1469.953
27.5	1428.863	1435.985	1445.299	1449.682	1460.639
28.0	1420.097	1425.575	1434.889	1439.820	1450.230
28.5	1408.591	1415.166	1424.480	1429.411	1439.820
29.0	1397.634	1404.208	1413.522	1419.549	1429.958
29.5	1386.128	1392.703	1402.565	1408.591	1419.001
30.0	1374.623	1381.745	1391.607	1399.277	1409.687
30.5	1362.570	1369.692	1381.197	1388.868	1398.729
31.0	1351.064	1358.187	1369.692	1377.910	1387.224
31.5	1339.011	1347.229	1358.734	1367.500	1377.362
32.0	1327.505	1334.628	1347.777	1355.995	1365.857
32.5	1314.904	1322.575	1336.271	1345.037	1354.899
33.0	1302.851	1311.069	1323.670	1334.080	1343.942
33.5	1291.346	1299.016	1312.713	1322.027	1332.436
34.0	1277.649	1286.415	1300.659	1311.069	1322.027
34.5	1265.047	1274.361	1289.154	1299.016	1309.973
35.0	1253.542	1261.212	1277.649	1288.058	1298.468
35.5	1238.749	1249.159	1265.047	1276.005	1286.415
36.0	1227.244	1236.010	1252.994	1263.952	1274.909
36.5	1212.999	1222.861	1240.393	1252.446	1263.952
37.0	1199.850	1210.260	1227.792	1239.845	1252.446
37.5	1186.153	1196.563	1215.739	1228.888	1239.845
38.0	1172.456	1183.414	1202.590	1216.286	1226.696
38.5	1158.212	1169.717	1189.988	1204.781	1214.643
39.0	1145.610	1156.020	1176.839	1192.180	1204.781
39.5	1131.366	1143.419	1164.238	1179.579	1191.632
40.0	1116.025	1129.174	1151.089	1168.073	1179.031
40.5	1101.780	1115.477	1138.488	1156.020	1166.978
41.0	1088.631	1101.780	1125.339	1143.419	1154.376
41.5	1074.386	1088.083	1112.190	1130.818	1142.323
42.0	1060.142	1074.386	1099.041	1118.764	1130.270
42.5	1046.445	1060.142	1085.344	1106.163	1117.669
43.0	1031.104	1046.445	1072.743	1094.110	1105.615
43.5	1017.955	1032.200	1059.046	1081.509	1093.562
44.0	1003.162	1017.955	1045.349	1069.455	1080.961
44.5	989.465	1004.258	1031.652	1056.306	1068.360
45.0	975.221	990.013	1018.503	1044.801	1056.854
45.5	960.976	976.316	1005.354	1032.748	1044.801
46.0	946.731	962.072	991.109	1019.599	1032.200
46.5	932.486	947.827	979.056	1008.641	1020.147
47.0	917.694	934.130	965.359	995.492	1008.093
47.5	903.449	919.885	951.662	982.891	995.492
48.0	889.752	905.640	937.965	971.386	982.891
48.5	874.411	891.943	925.364	958.236	970.838
49.0	860.714	877.151	911.119	945.635	958.236
49.5	846.470	863.454	897.970	933.582	946.183
50.0	831.677	849.209	884.821	920.433	933.582
50.5	817.980	835.512	871.124	909.475	922.077
51.0	803.735	821.267	859.071	896.874	910.023
51.5	790.038	807.022	845.374	884.821	897.970
52.0	775.246	793.326	832.225	872.220	885.917
52.5	761.001	779.081	819.624	859.619	874.411
53.0	746.208	765.384	806.475	848.661	861.810
53.5	731.963	751.687	793.873	836.060	850.305
54.0	718.266	737.990	781.272	824.007	838.799
54.5	705.117	723.745	768.671	813.049	827.294

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**CANDELA TABULATION - (Cont.)**

55.0	691.420	710.596	756.070	800.448	816.884
55.5	679.915	696.899	743.469	788.943	804.283
56.0	666.766	684.846	731.415	777.437	792.778
56.5	653.069	672.245	718.814	765.932	781.820
57.0	639.920	659.644	706.761	754.426	770.315
57.5	626.223	646.495	696.351	743.469	757.714
58.0	612.526	633.346	684.298	731.415	748.400
58.5	599.377	620.197	672.245	721.006	737.442
59.0	586.228	607.047	660.739	711.692	725.937
59.5	573.079	594.446	650.330	700.187	717.171
60.0	559.930	581.297	638.824	689.229	706.213
60.5	547.055	568.696	627.319	678.819	695.256
61.0	534.125	556.095	615.813	668.410	684.846
61.5	521.305	543.603	604.308	658.000	674.984
62.0	508.704	531.221	593.351	648.138	664.575
62.5	496.267	518.949	581.845	638.276	654.713
63.0	483.666	506.731	570.888	627.867	645.947
63.5	471.174	494.678	560.478	618.005	636.085
64.0	459.011	482.789	549.520	607.595	626.223
64.5	446.903	471.174	539.111	597.734	616.361
65.0	434.905	459.504	528.646	587.872	607.047
65.5	423.070	448.108	518.291	578.010	597.186
66.0	411.072	436.713	508.046	568.148	587.872
66.5	399.347	425.591	497.856	558.834	578.558
67.0	387.897	414.578	487.720	548.973	569.244
67.5	376.391	403.730	477.803	539.768	559.930
68.0	365.050	393.156	467.942	530.454	551.164
68.5	353.874	382.637	458.299	521.414	542.014
69.0	342.752	372.227	448.766	512.320	533.358
69.5	331.794	362.037	439.342	503.499	524.756
70.0	320.891	352.011	430.083	494.842	516.209
70.5	310.263	342.094	420.824	486.186	507.772
71.0	299.743	332.287	411.729	477.639	499.444
71.5	289.334	322.699	402.854	469.311	491.226
72.0	279.143	313.057	393.978	461.038	483.227
72.5	268.898	303.743	385.322	452.930	475.283
73.0	258.927	294.484	376.720	444.931	467.284
73.5	249.229	285.334	368.392	436.987	459.504
74.0	239.641	276.459	359.955	429.316	451.670
74.5	230.218	267.528	351.901	421.701	444.273
75.0	220.849	258.817	343.902	414.250	437.096
75.5	211.645	250.325	336.013	406.853	429.809
76.0	202.714	241.997	328.343	399.512	422.687
76.5	193.839	233.779	320.727	392.335	415.565
77.0	185.073	225.616	313.221	385.212	408.661
77.5	176.471	217.671	305.825	378.309	401.813
78.0	167.979	209.892	298.648	371.515	395.074
78.5	159.651	202.221	291.525	364.667	388.390
79.0	151.488	194.770	284.622	358.037	381.815
79.5	143.379	187.374	277.828	351.573	375.241
80.0	135.380	180.087	271.035	345.162	368.995
80.5	127.601	173.019	264.460	338.697	362.640
81.0	120.040	166.061	258.160	332.452	356.449
81.5	112.370	159.268	251.859	326.261	350.258
82.0	104.973	152.638	245.723	320.289	344.286
82.5	97.741	146.119	239.696	314.317	338.423

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**CANDELA TABULATION - (Cont.)**

83.0	90.619	139.763	233.779	308.564	332.726
83.5	83.551	133.572	228.136	302.702	326.808
84.0	76.648	127.546	222.657	297.168	321.165
84.5	69.800	121.738	217.288	291.690	315.632
85.0	63.225	116.095	212.028	286.266	310.098
85.5	56.650	110.726	206.878	281.006	304.729
86.0	50.186	105.576	201.838	275.856	299.415
86.5	43.775	100.755	197.071	270.706	294.100
87.0	37.475	96.098	192.250	265.830	288.895
87.5	31.174	91.769	187.703	260.899	283.910
88.0	24.928	87.551	183.210	256.132	278.869
88.5	18.628	83.606	178.882	251.421	273.993
89.0	12.875	79.880	174.773	246.873	269.172
89.5	8.163	76.429	170.773	242.490	264.460
90.0	4.876	73.361	167.102	238.326	260.132
90.5	3.452	70.676	163.706	234.163	255.530
91.0	3.671	68.211	160.254	229.944	251.147
91.5	4.383	65.855	156.802	225.944	246.764
92.0	5.205	63.882	153.515	221.890	242.490
92.5	6.081	62.184	150.721	218.000	238.272
93.0	6.958	60.705	147.817	214.329	234.217
93.5	7.889	59.554	145.078	210.713	230.382
94.0	8.876	58.568	142.503	207.317	226.657
94.5	9.807	57.856	140.092	203.865	222.821
95.0	10.738	57.308	137.846	200.468	219.151
95.5	11.615	56.924	135.764	197.236	215.535
96.0	12.327	56.760	133.956	194.113	211.974
96.5	13.039	56.760	132.148	191.209	208.686
97.0	13.697	56.815	130.504	188.415	205.399
97.5	14.409	57.034	128.970	185.730	202.386
98.0	15.012	57.253	127.601	183.100	199.318
98.5	15.724	57.527	126.450	180.580	196.469
99.0	16.436	57.856	125.245	178.224	193.674
99.5	17.203	58.239	124.204	175.978	190.935
100.0	17.861	58.623	123.382	173.896	188.470
100.5	18.628	59.061	122.560	171.869	185.949
101.0	19.285	59.499	121.957	169.951	183.703
101.5	19.943	59.938	121.355	168.143	181.402
102.0	20.545	60.376	120.916	166.445	179.375
102.5	21.148	60.814	120.478	164.856	177.348
103.0	21.751	61.307	120.149	163.267	175.540
103.5	22.408	61.801	119.875	161.898	173.677
104.0	23.120	62.239	119.602	160.637	171.979
104.5	23.833	62.732	119.437	159.432	170.390
105.0	24.490	63.225	119.273	158.336	168.856
105.5	25.093	63.663	119.108	157.186	167.541
106.0	25.805	64.211	119.054	156.200	166.226
106.5	26.462	64.704	119.054	155.268	164.911
107.0	27.120	65.252	119.054	154.392	163.815
107.5	27.723	65.690	119.054	153.734	162.665
108.0	28.490	66.238	119.054	152.967	161.514
108.5	29.202	66.786	119.108	152.419	160.747
109.0	29.914	67.224	119.218	151.707	159.980
109.5	30.681	67.718	119.273	151.214	159.158
110.0	31.448	68.211	119.382	150.666	158.501
110.5	32.215	68.704	119.492	150.173	157.898

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**CANDELA TABULATION - (Cont.)**

111.0	32.982	69.197	119.547	149.735	157.241
111.5	33.749	69.635	119.602	149.406	156.693
112.0	34.571	70.128	119.711	149.077	156.035
112.5	35.393	70.621	119.821	148.694	155.433
113.0	36.269	71.114	119.985	148.420	155.159
113.5	37.091	71.553	119.985	148.146	154.775
114.0	37.968	71.991	120.095	147.927	154.392
114.5	38.790	72.484	120.204	147.653	154.063
115.0	39.666	72.868	120.314	147.488	153.789
115.5	40.543	73.361	120.314	147.324	153.515
116.0	41.365	73.799	120.478	147.105	153.186
116.5	42.132	74.237	120.588	146.886	153.077
117.0	43.008	74.730	120.697	146.886	152.803
117.5	43.830	75.114	120.807	146.667	152.638
118.0	44.542	75.497	120.916	146.557	152.419
118.5	45.364	75.881	120.971	146.393	152.365
119.0	46.076	76.264	121.081	146.228	152.036
119.5	46.843	76.538	121.190	146.064	151.981
120.0	47.556	76.812	121.136	145.954	151.707
120.5	48.268	77.141	121.190	145.735	151.652
121.0	48.980	77.360	121.300	145.571	151.433
121.5	49.747	77.634	121.245	145.352	151.324
122.0	50.459	77.963	121.245	145.242	151.159
122.5	51.172	78.292	121.300	145.023	150.776
123.0	51.884	78.620	121.245	144.804	150.721
123.5	52.541	78.894	121.136	144.639	150.392
124.0	53.089	79.113	121.136	144.475	150.337
124.5	53.637	79.333	121.136	144.201	150.118
125.0	54.185	79.606	121.026	143.927	149.899
125.5	54.733	79.771	120.916	143.763	149.625
126.0	55.226	79.990	120.862	143.434	149.406
126.5	55.664	80.264	120.752	143.215	149.242
127.0	56.157	80.374	120.642	142.941	149.022
127.5	56.541	80.538	120.478	142.667	148.639
128.0	57.034	80.538	120.423	142.338	148.420
128.5	57.417	80.647	120.204	142.064	148.201
129.0	57.801	80.757	119.985	141.791	147.927
129.5	58.130	80.921	119.602	141.352	147.598
130.0	58.404	81.031	119.218	141.078	147.269
130.5	58.678	81.141	118.780	140.750	146.886
131.0	58.842	81.305	118.341	140.256	146.502
131.5	59.061	81.469	117.903	139.818	146.119
132.0	59.280	81.634	117.410	139.544	145.790
132.5	59.390	81.688	116.862	138.996	145.297
133.0	59.554	81.743	116.643	138.503	144.694
133.5	59.609	81.688	116.314	138.120	144.420
134.0	59.664	81.579	116.095	137.681	144.037
134.5	59.828	81.360	115.821	137.188	143.325
135.0	59.993	81.195	115.492	136.531	142.777
135.5	59.938	80.757	115.218	136.093	142.338
136.0	60.047	80.702	114.835	135.545	141.791
136.5	60.157	80.538	114.561	134.942	141.243
137.0	60.212	80.264	114.123	134.449	140.640
137.5	60.266	79.990	113.739	133.792	140.092
138.0	60.376	79.826	113.191	133.244	139.435
138.5	60.376	79.606	112.479	132.641	138.942

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

139.0	60.321	79.442	111.657	131.929	138.175
139.5	60.321	79.223	110.671	131.162	137.627
140.0	60.321	78.949	109.575	130.449	136.860
140.5	60.321	78.785	108.589	129.573	136.038
141.0	60.321	78.675	107.493	128.641	135.380
141.5	60.321	78.456	106.398	127.820	134.723
142.0	60.266	78.346	105.357	126.779	134.011
142.5	60.212	78.182	104.261	125.847	133.189
143.0	60.157	78.018	103.220	124.971	132.367
143.5	60.157	77.799	102.015	124.039	131.600
144.0	60.157	77.525	100.974	123.327	130.723
144.5	60.321	77.305	99.933	122.505	129.956
145.0	60.540	77.086	98.782	121.793	129.080
145.5	60.924	76.812	97.741	121.081	128.203
146.0	61.417	76.593	96.755	120.314	127.381
146.5	61.910	76.374	95.933	119.492	126.450
147.0	62.403	76.100	95.002	118.670	125.519
147.5	62.841	75.991	94.290	117.848	124.587
148.0	63.335	75.771	93.523	116.917	123.601
148.5	63.773	75.717	92.920	116.040	122.615
149.0	64.321	75.717	92.262	115.164	121.738
149.5	64.704	75.881	91.660	114.232	120.642
150.0	65.143	75.991	91.057	113.356	119.492
150.5	65.526	76.045	90.400	112.370	118.287
151.0	65.800	76.210	89.523	111.383	116.862
151.5	66.074	76.264	88.592	110.342	115.547
152.0	66.403	76.374	87.715	109.247	114.232
152.5	66.731	76.484	86.893	108.096	112.808
153.0	66.951	76.538	86.017	106.781	111.657
153.5	67.224	76.703	85.085	105.411	110.342
154.0	67.444	76.648	84.263	103.877	109.247
154.5	67.718	76.703	83.551	102.398	108.151
155.0	67.827	76.812	82.839	100.700	107.329
155.5	68.046	76.867	82.127	99.111	106.452
156.0	68.211	76.867	81.634	97.412	105.685
156.5	68.485	76.867	81.141	95.714	104.699
157.0	68.594	76.977	80.647	94.180	103.768
157.5	68.759	76.977	80.319	92.701	102.727
158.0	68.978	76.922	80.154	91.167	101.741
158.5	69.032	76.922	79.935	89.907	100.590
159.0	69.306	76.758	79.771	88.701	99.604
159.5	69.526	76.648	79.497	87.551	98.508
160.0	69.800	76.538	79.223	86.619	97.412
160.5	70.128	76.484	79.004	85.743	96.372
161.0	70.347	76.319	78.949	84.811	95.331
161.5	70.676	76.264	78.839	83.880	94.564
162.0	70.950	76.155	79.004	83.113	93.906
162.5	71.224	76.155	79.113	82.291	93.139
163.0	71.553	76.100	79.168	81.414	92.482
163.5	71.827	76.100	79.278	80.483	91.660
164.0	71.936	76.100	79.387	79.333	90.893
164.5	72.101	75.991	79.278	78.456	89.907
165.0	72.265	75.991	79.113	77.579	88.920
165.5	72.429	75.936	78.949	76.977	87.879
166.0	72.594	75.881	78.839	76.319	86.291
166.5	72.758	75.881	78.675	75.771	85.524

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

167.0	72.977	75.881	78.511	75.278	84.921
167.5	73.087	75.881	78.182	74.840	84.318
168.0	73.251	75.881	77.908	74.402	83.825
168.5	73.580	75.662	77.525	74.018	83.222
169.0	73.744	75.717	77.251	73.635	82.620
169.5	74.018	75.552	76.812	73.196	81.962
170.0	74.128	75.497	76.429	72.648	81.360
170.5	74.292	75.388	75.936	72.046	80.702
171.0	74.402	75.278	75.388	71.388	79.880
171.5	74.566	75.278	74.895	70.786	79.223
172.0	74.840	75.169	74.621	70.183	78.237
172.5	75.004	75.169	74.292	69.526	77.141
173.0	75.223	75.059	74.018	68.923	75.278
173.5	75.497	75.114	73.909	68.320	72.484
174.0	75.717	75.114	73.854	67.827	69.032
174.5	75.881	75.114	73.744	67.334	64.923
175.0	76.210	75.278	73.689	66.951	60.266
175.5	76.319	75.333	73.635	66.786	55.390
176.0	76.538	75.443	73.635	66.622	52.213
176.5	76.593	75.497	73.580	66.622	49.966
177.0	76.812	75.607	73.470	66.457	47.665
177.5	76.867	75.607	73.306	66.403	47.172
178.0	77.086	75.717	73.251	66.348	47.282
178.5	77.196	75.771	73.306	66.238	47.391
179.0	77.305	75.771	73.251	66.074	47.446
179.5	77.415	75.771	73.196	66.019	47.501
180.0	69.416	69.416	69.416	69.416	69.416



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	627.25	N.A.	11.70
0-30	1314.3	N.A.	24.50
0-40	2111.24	N.A.	39.40
0-60	3573.00	N.A.	66.70
0-80	4451.32	N.A.	83.10
0-90	4672.22	N.A.	87.30
10-90	4508.69	N.A.	84.20
20-40	1483.99	N.A.	27.70
20-50	2268.78	N.A.	42.40
40-70	1982.46	N.A.	37.00
60-80	878.32	N.A.	16.40
70-80	357.62	N.A.	6.70
80-90	220.90	N.A.	4.10
90-110	258.01	N.A.	4.80
90-120	366.63	N.A.	6.80
90-130	466.59	N.A.	8.70
90-150	612.55	N.A.	11.40
90-180	682.33	N.A.	12.70
110-180	424.32	N.A.	7.90
0-180	5354.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	163.53
10-20	463.72
20-30	687.05
30-40	796.94
40-50	784.79
50-60	676.97
60-70	520.70
70-80	357.62
80-90	220.90
90-100	141.53
100-110	116.48
110-120	108.62
120-130	99.97
130-140	84.01
140-150	61.95
150-160	40.51
160-170	22.32
170-180	6.95

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-8-L60-827-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-L60-827-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

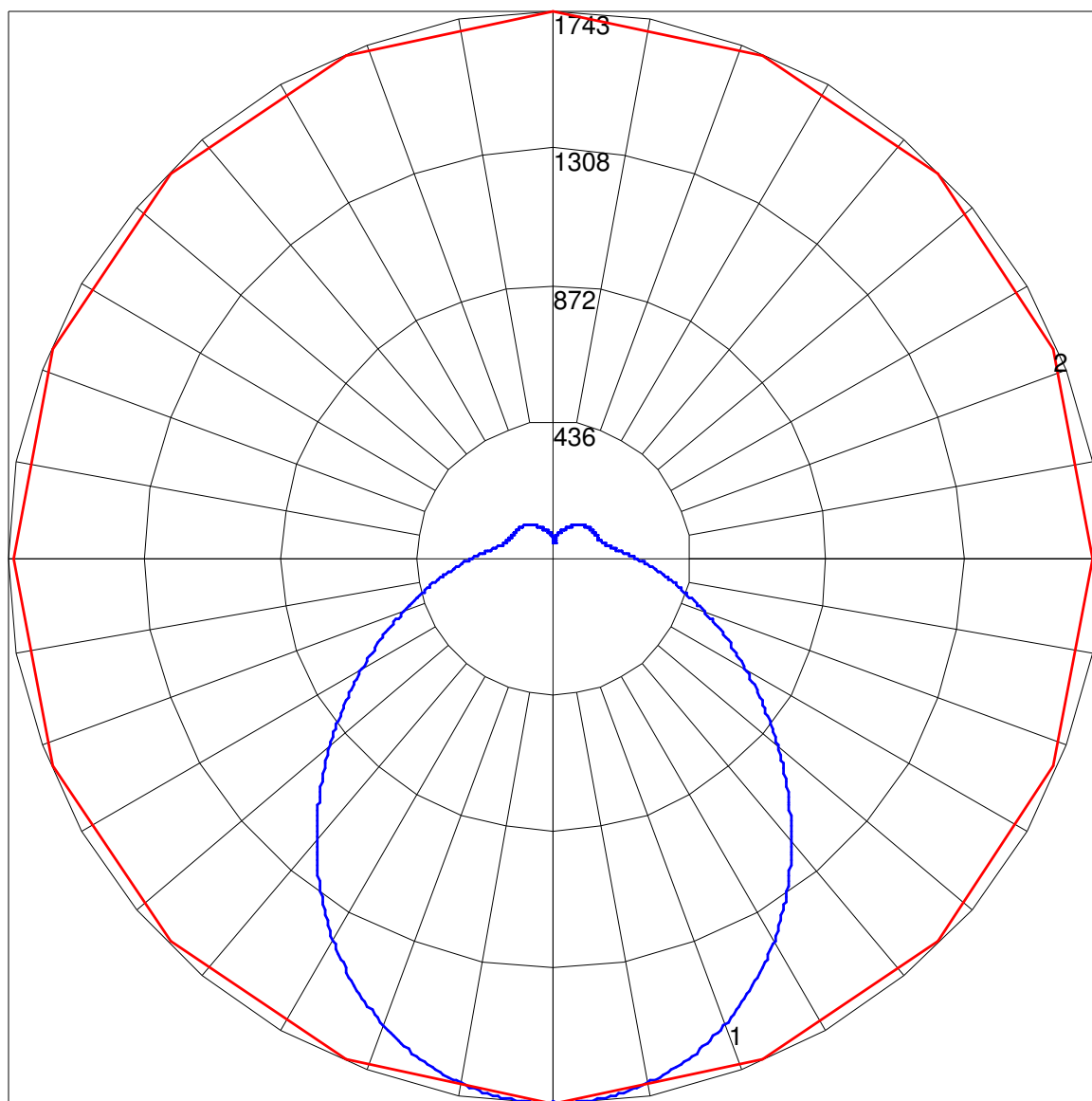
Reflectances

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	15.2	16.6	15.7	17.1	17.7	16.9	18.3	17.5	18.8	19.4
	3H	16.6	17.8	17.1	18.4	19.0	19.1	20.4	19.7	20.9	21.6
	4H	17.0	18.2	17.6	18.7	19.4	20.2	21.4	20.8	21.9	22.6
	6H	17.3	18.4	17.9	19.0	19.7	21.3	22.4	21.9	23.0	23.7
	8H	17.4	18.4	18.0	19.0	19.7	22.0	23.0	22.6	23.6	24.3
	12H	17.4	18.4	18.0	19.0	19.7	22.7	23.6	23.3	24.3	25.0
4H	2H	15.9	17.1	16.5	17.7	18.4	17.3	18.5	17.9	19.1	19.7
	3H	17.5	18.5	18.1	19.2	19.8	19.8	20.7	20.4	21.4	22.1
	4H	18.1	19.0	18.7	19.6	20.4	21.0	21.9	21.6	22.5	23.3
	6H	18.5	19.3	19.2	20.0	20.7	22.4	23.1	23.0	23.8	24.5
	8H	18.6	19.4	19.3	20.0	20.8	23.1	23.8	23.7	24.5	25.2
	12H	18.7	19.4	19.4	20.1	20.8	23.9	24.6	24.6	25.3	26.0
8H	4H	18.7	19.4	19.3	20.1	20.8	21.2	21.9	21.9	22.6	23.4
	6H	19.3	19.9	19.9	20.6	21.3	22.7	23.4	23.4	24.1	24.8
	8H	19.5	20.0	20.2	20.7	21.5	23.6	24.2	24.3	24.9	25.6
	12H	19.6	20.1	20.3	20.8	21.6	24.6	25.1	25.3	25.8	26.6
12H	4H	18.9	19.5	19.5	20.2	21.0	21.2	21.9	21.9	22.6	23.3
	6H	19.5	20.1	20.2	20.8	21.6	22.8	23.3	23.5	24.0	24.8
	8H	19.8	20.3	20.5	21.0	21.8	23.7	24.2	24.4	24.9	25.7

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 1743.344 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.)