

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L65-835-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-4-L65-835-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	4992
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	35.8
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	10953	9810	9714
55	9484	8399	8528
65	7972	7193	7600
75	6394	6284	7104
85	4690	6181	7505

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-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	1615.522	1615.522	1615.522	1615.522	1615.522
0.5	1607.861	1613.990	1615.011	1614.500	1625.226
1.0	1607.861	1614.500	1614.500	1613.990	1624.715
1.5	1606.328	1614.500	1613.990	1613.479	1625.226
2.0	1605.817	1612.968	1613.990	1612.968	1623.694
2.5	1605.817	1612.968	1612.457	1612.457	1622.672
3.0	1604.285	1611.436	1611.436	1611.436	1621.651
3.5	1603.264	1609.904	1609.904	1610.414	1620.629
4.0	1602.242	1608.882	1608.882	1608.371	1619.608
4.5	1599.688	1607.350	1607.861	1607.350	1618.076
5.0	1598.156	1605.817	1605.817	1605.817	1616.543
5.5	1596.113	1603.774	1603.774	1604.285	1614.500
6.0	1595.092	1601.221	1601.731	1601.731	1612.457
6.5	1591.516	1599.178	1599.688	1599.688	1609.904
7.0	1589.473	1596.624	1597.135	1596.624	1607.861
7.5	1587.430	1593.559	1594.581	1594.581	1605.307
8.0	1584.876	1591.516	1591.516	1591.516	1601.731
8.5	1582.323	1587.941	1588.963	1588.963	1598.667
9.0	1578.237	1585.387	1585.898	1585.387	1595.092
9.5	1575.683	1581.812	1581.812	1581.812	1593.049
10.0	1571.597	1577.726	1577.726	1578.747	1588.963
10.5	1568.022	1574.151	1574.661	1574.661	1585.387
11.0	1564.446	1570.575	1571.086	1570.575	1581.301
11.5	1559.849	1566.489	1567.511	1566.489	1577.726
12.0	1555.763	1561.892	1562.914	1562.914	1573.129
12.5	1551.677	1557.296	1558.828	1557.806	1569.043
13.0	1547.081	1553.210	1554.231	1553.720	1564.446
13.5	1542.484	1548.102	1549.124	1549.124	1560.360
14.0	1536.865	1542.994	1544.016	1544.016	1554.742
14.5	1532.269	1537.887	1538.908	1538.908	1550.656
15.0	1527.672	1532.779	1533.290	1533.290	1544.527
15.5	1522.053	1526.650	1528.183	1528.183	1538.398
16.0	1515.924	1521.032	1522.564	1522.564	1533.290
16.5	1510.817	1514.903	1516.435	1516.946	1527.672
17.0	1503.666	1508.263	1510.306	1510.817	1521.543
17.5	1497.537	1502.134	1504.177	1504.688	1515.414
18.0	1491.919	1496.005	1497.537	1499.069	1509.795
18.5	1485.279	1489.876	1491.408	1492.430	1503.155
19.0	1478.639	1482.214	1484.768	1485.790	1496.005
19.5	1470.978	1476.085	1478.128	1480.171	1489.365
20.0	1462.806	1468.424	1470.978	1472.510	1482.214
20.5	1454.634	1461.784	1463.827	1465.870	1475.575
21.0	1447.994	1453.612	1455.144	1459.230	1468.424
21.5	1440.332	1445.951	1448.505	1450.548	1460.763
22.0	1432.160	1438.800	1441.354	1443.397	1454.123
22.5	1425.010	1429.607	1433.182	1436.246	1446.462
23.0	1416.327	1421.434	1425.010	1428.074	1438.289
23.5	1407.133	1412.752	1417.348	1420.413	1430.628
24.0	1397.940	1404.069	1408.666	1412.241	1422.456
24.5	1390.278	1395.386	1400.493	1403.558	1413.262
25.0	1381.596	1386.703	1392.321	1395.386	1405.090
25.5	1371.891	1378.020	1382.617	1387.214	1395.386
26.0	1362.698	1368.316	1374.445	1378.531	1387.725
26.5	1352.993	1358.611	1365.762	1369.337	1379.042

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	1343.289	1348.396	1357.079	1361.676	1370.359
27.5	1332.052	1338.692	1347.375	1351.461	1361.676
28.0	1323.880	1328.988	1337.670	1342.267	1351.972
28.5	1313.154	1319.283	1327.966	1332.563	1342.267
29.0	1302.939	1309.068	1317.751	1323.369	1333.074
29.5	1292.213	1298.342	1307.536	1313.154	1322.859
30.0	1281.487	1288.127	1297.321	1304.471	1314.176
30.5	1270.251	1276.890	1287.616	1294.767	1303.961
31.0	1259.525	1266.165	1276.890	1284.552	1293.235
31.5	1248.288	1255.949	1266.675	1274.847	1284.041
32.0	1237.562	1244.202	1256.460	1264.122	1273.315
32.5	1225.815	1232.965	1245.734	1253.906	1263.100
33.0	1214.578	1222.240	1233.987	1243.691	1252.885
33.5	1203.852	1211.003	1223.772	1232.455	1242.159
34.0	1191.083	1199.256	1212.535	1222.240	1232.455
34.5	1179.336	1188.019	1201.809	1211.003	1221.218
35.0	1168.610	1175.761	1191.083	1200.788	1210.492
35.5	1154.820	1164.524	1179.336	1189.551	1199.256
36.0	1144.094	1152.266	1168.099	1178.315	1188.530
36.5	1130.814	1140.008	1156.352	1167.589	1178.315
37.0	1118.556	1128.260	1144.605	1155.841	1167.589
37.5	1105.787	1115.492	1133.368	1145.626	1155.841
38.0	1093.018	1103.233	1121.110	1133.879	1143.583
38.5	1079.739	1090.464	1109.362	1123.153	1132.346
39.0	1067.991	1077.696	1097.104	1111.405	1123.153
39.5	1054.712	1065.948	1085.357	1099.658	1110.895
40.0	1040.410	1052.669	1073.099	1088.932	1099.147
40.5	1027.131	1039.900	1061.351	1077.696	1087.911
41.0	1014.873	1027.131	1049.093	1065.948	1076.163
41.5	1001.593	1014.362	1036.835	1054.201	1064.927
42.0	988.313	1001.593	1024.577	1042.964	1053.690
42.5	975.544	988.313	1011.808	1031.217	1041.943
43.0	961.243	975.544	1000.061	1019.980	1030.706
43.5	948.985	962.265	987.292	1008.233	1019.469
44.0	935.195	948.985	974.523	996.996	1007.722
44.5	922.426	936.216	961.754	984.738	995.975
45.0	909.146	922.936	949.496	974.012	985.249
45.5	895.866	910.168	937.238	962.775	974.012
46.0	882.587	896.888	923.958	950.517	962.265
46.5	869.307	883.608	912.721	940.302	951.028
47.0	855.517	870.839	899.952	928.044	939.791
47.5	842.237	857.560	887.184	916.297	928.044
48.0	829.468	844.280	874.415	905.571	916.297
48.5	815.167	831.511	862.667	893.313	905.060
49.0	802.398	817.721	849.388	881.565	893.313
49.5	789.118	804.952	837.129	870.329	882.076
50.0	775.328	791.672	824.871	858.070	870.329
50.5	762.559	778.903	812.102	847.855	859.603
51.0	749.279	765.624	800.866	836.108	848.366
51.5	736.510	752.344	788.097	824.871	837.129
52.0	722.720	739.575	775.839	813.124	825.893
52.5	709.440	726.295	764.091	801.376	815.167
53.0	695.650	713.526	751.833	791.161	803.419
53.5	682.370	700.757	740.086	779.414	792.694
54.0	669.601	687.989	728.338	768.177	781.968
54.5	657.343	674.709	716.591	757.962	771.242

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	644.574	662.451	704.844	746.215	761.537
55.5	633.848	649.682	693.096	735.489	749.790
56.0	621.590	638.445	681.860	724.763	739.064
56.5	608.821	626.698	670.112	714.037	728.849
57.0	596.563	614.950	658.875	703.311	718.123
57.5	583.794	602.692	649.171	693.096	706.376
58.0	571.025	590.434	637.934	681.860	697.693
58.5	558.767	578.176	626.698	672.155	687.478
59.0	546.509	565.918	615.972	663.472	676.752
59.5	534.251	554.170	606.268	652.746	668.580
60.0	521.993	541.912	595.542	642.531	658.365
60.5	509.990	530.165	584.816	632.827	648.150
61.0	497.936	518.418	574.090	623.123	638.445
61.5	485.985	506.772	563.364	613.418	629.252
62.0	474.237	495.229	553.149	604.225	619.547
62.5	462.643	483.788	542.423	595.031	610.354
63.0	450.896	472.398	532.208	585.327	602.182
63.5	439.250	461.162	522.504	576.133	592.988
64.0	427.912	450.078	512.288	566.429	583.794
64.5	416.624	439.250	502.584	557.235	574.601
65.0	405.438	428.371	492.829	548.041	565.918
65.5	394.406	417.747	483.175	538.848	556.724
66.0	383.220	407.124	473.624	529.654	548.041
66.5	372.290	396.755	464.124	520.971	539.359
67.0	361.615	386.489	454.675	511.778	530.676
67.5	350.890	376.376	445.430	503.197	521.993
68.0	340.317	366.519	436.237	494.514	513.821
68.5	329.897	356.712	427.248	486.087	505.291
69.0	319.529	347.008	418.360	477.608	497.221
69.5	309.314	337.508	409.575	469.385	489.202
70.0	299.150	328.161	400.944	461.315	481.234
70.5	289.241	318.916	392.312	453.245	473.369
71.0	279.435	309.774	383.833	445.277	465.605
71.5	269.730	300.835	375.559	437.514	457.944
72.0	260.230	291.846	367.285	429.801	450.487
72.5	250.679	283.163	359.215	422.242	443.081
73.0	241.383	274.531	351.196	414.785	435.624
73.5	232.343	266.002	343.432	407.379	428.371
74.0	223.405	257.728	335.567	400.229	421.067
74.5	214.620	249.402	328.059	393.129	414.172
75.0	205.886	241.281	320.602	386.183	407.481
75.5	197.305	233.365	313.247	379.288	400.688
76.0	188.980	225.601	306.096	372.443	394.048
76.5	180.706	217.940	298.997	365.753	387.409
77.0	172.533	210.329	291.999	359.113	380.973
77.5	164.515	202.923	285.104	352.677	374.589
78.0	156.598	195.671	278.413	346.344	368.306
78.5	148.834	188.520	271.773	339.959	362.075
79.0	141.224	181.574	265.338	333.779	355.946
79.5	133.665	174.679	259.004	327.752	349.817
80.0	126.208	167.886	252.671	321.776	343.994
80.5	118.955	161.297	246.542	315.749	338.070
81.0	111.907	154.810	240.668	309.927	332.298
81.5	104.756	148.477	234.795	304.155	326.526
82.0	97.861	142.297	229.074	298.588	320.959
82.5	91.119	136.219	223.456	293.021	315.494

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	84.479	130.294	217.940	287.658	310.182
83.5	77.890	124.522	212.679	282.193	304.666
84.0	71.455	118.904	207.571	277.034	299.405
84.5	65.070	113.490	202.566	271.927	294.247
85.0	58.941	108.229	197.663	266.870	289.088
85.5	52.812	103.224	192.862	261.967	284.083
86.0	46.785	98.423	188.163	257.166	279.128
86.5	40.809	93.928	183.719	252.365	274.174
87.0	34.936	89.587	179.224	247.819	269.322
87.5	29.062	85.552	174.985	243.222	264.674
88.0	23.239	81.619	170.797	238.779	259.975
88.5	17.366	77.941	166.762	234.386	255.429
89.0	12.003	74.468	162.931	230.147	250.935
89.5	7.610	71.250	159.203	226.061	246.542
90.0	4.546	68.390	155.781	222.179	242.507
90.5	3.218	65.888	152.614	218.297	238.217
91.0	3.422	63.589	149.396	214.364	234.131
91.5	4.086	61.393	146.178	210.636	230.045
92.0	4.852	59.554	143.114	206.856	226.061
92.5	5.669	57.971	140.509	203.230	222.128
93.0	6.487	56.592	137.802	199.808	218.348
93.5	7.355	55.519	135.248	196.437	214.773
94.0	8.274	54.600	132.848	193.270	211.300
94.5	9.143	53.936	130.600	190.052	207.725
95.0	10.011	53.425	128.506	186.886	204.302
95.5	10.828	53.068	126.565	183.872	200.931
96.0	11.492	52.914	124.880	180.961	197.612
96.5	12.156	52.914	123.194	178.254	194.547
97.0	12.769	52.965	121.662	175.649	191.482
97.5	13.433	53.170	120.232	173.146	188.673
98.0	13.995	53.374	118.955	170.695	185.813
98.5	14.659	53.629	117.883	168.345	183.157
99.0	15.323	53.936	116.759	166.149	180.552
99.5	16.038	54.293	115.788	164.055	177.999
100.0	16.651	54.651	115.022	162.114	175.700
100.5	17.366	55.060	114.256	160.224	173.351
101.0	17.979	55.468	113.694	158.437	171.257
101.5	18.592	55.877	113.132	156.751	169.111
102.0	19.153	56.285	112.724	155.168	167.222
102.5	19.715	56.694	112.315	153.687	165.332
103.0	20.277	57.154	112.009	152.205	163.646
103.5	20.890	57.613	111.753	150.928	161.910
104.0	21.554	58.022	111.498	149.754	160.326
104.5	22.218	58.482	111.345	148.630	158.845
105.0	22.831	58.941	111.192	147.609	157.415
105.5	23.393	59.350	111.038	146.536	156.189
106.0	24.057	59.861	110.987	145.617	154.963
106.5	24.670	60.320	110.987	144.748	153.738
107.0	25.282	60.831	110.987	143.931	152.716
107.5	25.844	61.240	110.987	143.318	151.644
108.0	26.559	61.750	110.987	142.603	150.571
108.5	27.223	62.261	111.038	142.092	149.856
109.0	27.887	62.670	111.141	141.428	149.141
109.5	28.602	63.129	111.192	140.969	148.375
110.0	29.317	63.589	111.294	140.458	147.762
110.5	30.032	64.049	111.396	139.998	147.200

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	30.748	64.509	111.447	139.590	146.587
111.5	31.463	64.917	111.498	139.283	146.076
112.0	32.229	65.377	111.600	138.977	145.463
112.5	32.995	65.836	111.702	138.619	144.902
113.0	33.812	66.296	111.856	138.364	144.646
113.5	34.578	66.705	111.856	138.108	144.289
114.0	35.395	67.113	111.958	137.904	143.931
114.5	36.162	67.573	112.060	137.649	143.625
115.0	36.979	67.931	112.162	137.496	143.369
115.5	37.796	68.390	112.162	137.342	143.114
116.0	38.562	68.799	112.315	137.138	142.807
116.5	39.277	69.207	112.417	136.934	142.705
117.0	40.094	69.667	112.520	136.934	142.450
117.5	40.860	70.025	112.622	136.729	142.297
118.0	41.524	70.382	112.724	136.627	142.092
118.5	42.291	70.740	112.775	136.474	142.041
119.0	42.955	71.097	112.877	136.321	141.735
119.5	43.670	71.353	112.979	136.168	141.684
120.0	44.334	71.608	112.928	136.065	141.428
120.5	44.998	71.914	112.979	135.861	141.377
121.0	45.662	72.119	113.081	135.708	141.173
121.5	46.377	72.374	113.030	135.504	141.071
122.0	47.041	72.681	113.030	135.401	140.918
122.5	47.705	72.987	113.081	135.197	140.560
123.0	48.369	73.294	113.030	134.993	140.509
123.5	48.982	73.549	112.928	134.840	140.203
124.0	49.492	73.753	112.928	134.686	140.151
124.5	50.003	73.957	112.928	134.431	139.947
125.0	50.514	74.213	112.826	134.176	139.743
125.5	51.025	74.366	112.724	134.022	139.488
126.0	51.484	74.570	112.673	133.716	139.283
126.5	51.893	74.826	112.571	133.512	139.130
127.0	52.353	74.928	112.469	133.256	138.926
127.5	52.710	75.081	112.315	133.001	138.568
128.0	53.170	75.081	112.264	132.694	138.364
128.5	53.527	75.183	112.060	132.439	138.160
129.0	53.885	75.285	111.856	132.184	137.904
129.5	54.191	75.439	111.498	131.775	137.598
130.0	54.447	75.541	111.141	131.520	137.291
130.5	54.702	75.643	110.732	131.213	136.934
131.0	54.855	75.796	110.323	130.754	136.576
131.5	55.060	75.949	109.915	130.345	136.219
132.0	55.264	76.103	109.455	130.090	135.912
132.5	55.366	76.154	108.944	129.579	135.453
133.0	55.519	76.205	108.740	129.119	134.891
133.5	55.570	76.154	108.434	128.762	134.635
134.0	55.621	76.052	108.229	128.353	134.278
134.5	55.775	75.847	107.974	127.893	133.614
135.0	55.928	75.694	107.667	127.280	133.103
135.5	55.877	75.285	107.412	126.872	132.694
136.0	55.979	75.234	107.054	126.361	132.184
136.5	56.081	75.081	106.799	125.799	131.673
137.0	56.132	74.826	106.391	125.340	131.111
137.5	56.183	74.570	106.033	124.727	130.600
138.0	56.285	74.417	105.522	124.216	129.987
138.5	56.285	74.213	104.858	123.654	129.528

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	56.234	74.060	104.092	122.990	128.813
139.5	56.234	73.855	103.173	122.275	128.302
140.0	56.234	73.600	102.151	121.611	127.587
140.5	56.234	73.447	101.232	120.794	126.821
141.0	56.234	73.345	100.210	119.926	126.208
141.5	56.234	73.140	99.189	119.159	125.595
142.0	56.183	73.038	98.218	118.189	124.931
142.5	56.132	72.885	97.197	117.321	124.165
143.0	56.081	72.732	96.226	116.503	123.399
143.5	56.081	72.527	95.103	115.635	122.684
144.0	56.081	72.272	94.132	114.971	121.866
144.5	56.234	72.068	93.162	114.205	121.151
145.0	56.439	71.863	92.089	113.541	120.334
145.5	56.796	71.608	91.119	112.877	119.517
146.0	57.256	71.404	90.200	112.162	118.751
146.5	57.715	71.199	89.433	111.396	117.883
147.0	58.175	70.944	88.565	110.630	117.014
147.5	58.584	70.842	87.901	109.864	116.146
148.0	59.043	70.638	87.186	108.995	115.227
148.5	59.452	70.587	86.624	108.178	114.307
149.0	59.963	70.587	86.011	107.361	113.490
149.5	60.320	70.740	85.450	106.493	112.469
150.0	60.729	70.842	84.888	105.675	111.396
150.5	61.086	70.893	84.275	104.756	110.272
151.0	61.342	71.046	83.458	103.837	108.944
151.5	61.597	71.097	82.589	102.866	107.718
152.0	61.904	71.199	81.772	101.845	106.493
152.5	62.210	71.302	81.006	100.772	105.165
153.0	62.414	71.353	80.189	99.546	104.092
153.5	62.670	71.506	79.320	98.269	102.866
154.0	62.874	71.455	78.554	96.839	101.845
154.5	63.129	71.506	77.890	95.460	100.823
155.0	63.232	71.608	77.226	93.877	100.057
155.5	63.436	71.659	76.562	92.396	99.240
156.0	63.589	71.659	76.103	90.812	98.525
156.5	63.845	71.659	75.643	89.229	97.606
157.0	63.947	71.761	75.183	87.799	96.737
157.5	64.100	71.761	74.877	86.420	95.767
158.0	64.304	71.710	74.724	84.990	94.847
158.5	64.355	71.710	74.519	83.815	93.775
159.0	64.611	71.557	74.366	82.691	92.855
159.5	64.815	71.455	74.111	81.619	91.834
160.0	65.070	71.353	73.855	80.751	90.812
160.5	65.377	71.302	73.651	79.933	89.842
161.0	65.581	71.148	73.600	79.065	88.872
161.5	65.888	71.097	73.498	78.197	88.157
162.0	66.143	70.995	73.651	77.482	87.544
162.5	66.398	70.995	73.753	76.716	86.829
163.0	66.705	70.944	73.804	75.898	86.216
163.5	66.960	70.944	73.906	75.030	85.450
164.0	67.062	70.944	74.009	73.957	84.734
164.5	67.216	70.842	73.906	73.140	83.815
165.0	67.369	70.842	73.753	72.323	82.896
165.5	67.522	70.791	73.600	71.761	81.925
166.0	67.675	70.740	73.498	71.148	80.444
166.5	67.828	70.740	73.345	70.638	79.729

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	68.033	70.740	73.191	70.178	79.167
167.5	68.135	70.740	72.885	69.769	78.605
168.0	68.288	70.740	72.630	69.361	78.146
168.5	68.595	70.535	72.272	69.003	77.584
169.0	68.748	70.587	72.017	68.646	77.022
169.5	69.003	70.433	71.608	68.237	76.409
170.0	69.105	70.382	71.250	67.726	75.847
170.5	69.259	70.280	70.791	67.164	75.234
171.0	69.361	70.178	70.280	66.552	74.468
171.5	69.514	70.178	69.820	65.990	73.855
172.0	69.769	70.076	69.565	65.428	72.936
172.5	69.923	70.076	69.259	64.815	71.914
173.0	70.127	69.974	69.003	64.253	70.178
173.5	70.382	70.025	68.901	63.691	67.573
174.0	70.587	70.025	68.850	63.232	64.355
174.5	70.740	70.025	68.748	62.772	60.525
175.0	71.046	70.178	68.697	62.414	56.183
175.5	71.148	70.229	68.646	62.261	51.637
176.0	71.353	70.331	68.646	62.108	48.675
176.5	71.404	70.382	68.595	62.108	46.581
177.0	71.608	70.484	68.492	61.955	44.436
177.5	71.659	70.484	68.339	61.904	43.976
178.0	71.863	70.587	68.288	61.853	44.078
178.5	71.966	70.638	68.339	61.750	44.180
179.0	72.068	70.638	68.288	61.597	44.231
179.5	72.170	70.638	68.237	61.546	44.283
180.0	64.713	64.713	64.713	64.713	64.713

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-HE-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	584.75	N.A.	11.70
0-30	1225.25	N.A.	24.50
0-40	1968.2	N.A.	39.40
0-60	3330.92	N.A.	66.70
0-80	4149.73	N.A.	83.10
0-90	4355.66	N.A.	87.30
10-90	4203.21	N.A.	84.20
20-40	1383.45	N.A.	27.70
20-50	2115.07	N.A.	42.40
40-70	1848.14	N.A.	37.00
60-80	818.81	N.A.	16.40
70-80	333.39	N.A.	6.70
80-90	205.93	N.A.	4.10
90-110	240.53	N.A.	4.80
90-120	341.79	N.A.	6.80
90-130	434.98	N.A.	8.70
90-150	571.05	N.A.	11.40
90-180	636.10	N.A.	12.70
110-180	395.57	N.A.	7.90
0-180	4991.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	152.45
10-20	432.30
20-30	640.50
30-40	742.95
40-50	731.62
50-60	631.10
60-70	485.42
70-80	333.39
80-90	205.93
90-100	131.94
100-110	108.59
110-120	101.26
120-130	93.19
130-140	78.31
140-150	57.75
150-160	37.76
160-170	20.81
170-180	6.48

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-4-L65-835-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-4-L65-835-HE-DIM-UNV_.IES

UGR TABLE - CORRECTED

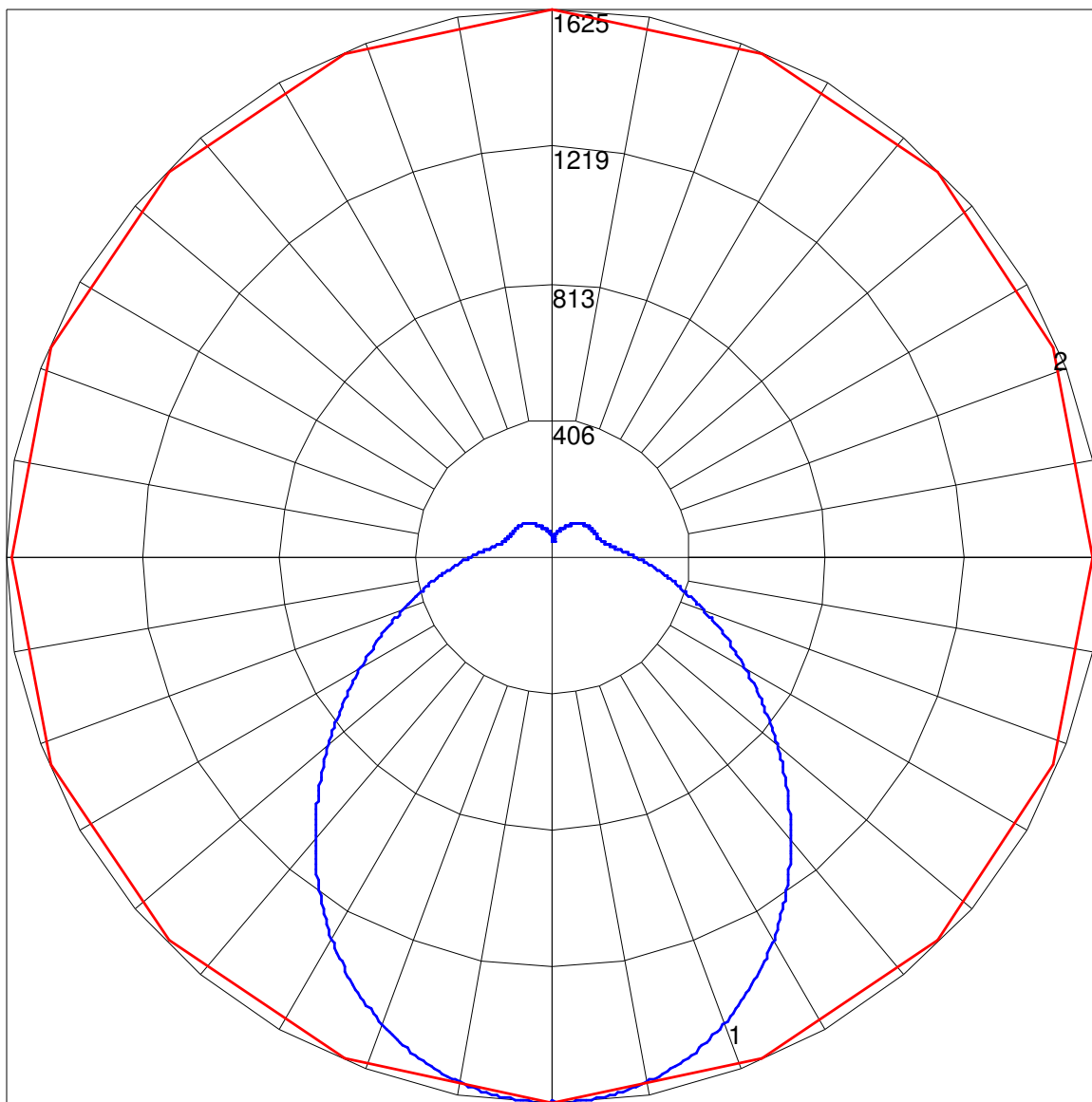
Reflectances

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	17.4	18.8	18.0	19.3	19.9	19.1	20.4	19.6	21.0	21.6
	3H	18.8	20.0	19.3	20.6	21.2	21.3	22.5	21.8	23.1	23.7
	4H	19.2	20.4	19.8	21.0	21.6	22.3	23.5	22.9	24.1	24.8
	6H	19.5	20.6	20.1	21.2	21.9	23.5	24.5	24.1	25.1	25.8
	8H	19.6	20.6	20.2	21.2	21.9	24.0	25.1	24.7	25.7	26.4
	12H	19.6	20.6	20.2	21.2	21.9	24.7	25.7	25.3	26.3	27.0
4H	2H	18.1	19.3	18.7	19.9	20.6	19.5	20.6	20.1	21.2	21.9
	3H	19.7	20.7	20.3	21.3	22.0	21.9	22.9	22.5	23.5	24.2
	4H	20.3	21.2	20.9	21.8	22.6	23.2	24.0	23.8	24.7	25.4
	6H	20.7	21.5	21.4	22.2	22.9	24.5	25.3	25.1	25.9	26.7
	8H	20.8	21.6	21.5	22.2	23.0	25.2	25.9	25.8	26.6	27.3
	12H	20.9	21.6	21.6	22.3	23.0	26.0	26.6	26.6	27.3	28.1
8H	4H	20.9	21.6	21.5	22.3	23.0	23.3	24.1	24.0	24.7	25.5
	6H	21.5	22.1	22.1	22.8	23.5	24.8	25.5	25.5	26.2	26.9
	8H	21.7	22.2	22.3	22.9	23.7	25.7	26.3	26.4	27.0	27.7
	12H	21.8	22.3	22.5	23.0	23.8	26.7	27.2	27.4	27.9	28.7
12H	4H	21.0	21.7	21.7	22.4	23.1	23.3	24.0	24.0	24.7	25.5
	6H	21.7	22.3	22.4	23.0	23.8	24.9	25.5	25.6	26.1	26.9
	8H	22.0	22.5	22.7	23.2	24.0	25.8	26.3	26.5	27.0	27.8

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 1625.226 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.)