

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-2-L42-827-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-2-L42-827-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	4016
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	175
Total Luminaire Watts	23
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)	1.88 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	17060	15408	15455
55	14646	13134	13567
65	12141	11182	12092
75	9460	9672	11302
85	6222	9319	11941

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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	1299.701	1299.701	1299.701	1299.701	1299.701
0.5	1293.537	1298.468	1299.290	1298.879	1307.508
1.0	1293.537	1298.879	1298.879	1298.468	1307.097
1.5	1292.304	1298.879	1298.468	1298.057	1307.508
2.0	1291.893	1297.646	1298.468	1297.646	1306.275
2.5	1291.893	1297.646	1297.235	1297.235	1305.453
3.0	1290.661	1296.413	1296.413	1296.413	1304.632
3.5	1289.839	1295.181	1295.181	1295.592	1303.810
4.0	1289.017	1294.359	1294.359	1293.948	1302.988
4.5	1286.963	1293.126	1293.537	1293.126	1301.755
5.0	1285.730	1291.893	1291.893	1291.893	1300.523
5.5	1284.086	1290.250	1290.250	1290.661	1298.879
6.0	1283.264	1288.195	1288.606	1288.606	1297.235
6.5	1280.388	1286.552	1286.963	1286.963	1295.181
7.0	1278.744	1284.497	1284.908	1284.497	1293.537
7.5	1277.101	1282.032	1282.854	1282.854	1291.483
8.0	1275.046	1280.388	1280.388	1280.388	1288.606
8.5	1272.992	1277.512	1278.334	1278.334	1286.141
9.0	1269.704	1275.457	1275.868	1275.457	1283.264
9.5	1267.650	1272.581	1272.581	1272.581	1281.621
10.0	1264.363	1269.294	1269.294	1270.115	1278.334
10.5	1261.486	1266.417	1266.828	1266.828	1275.457
11.0	1258.610	1263.541	1263.952	1263.541	1272.170
11.5	1254.912	1260.254	1261.075	1260.254	1269.294
12.0	1251.625	1256.555	1257.377	1257.377	1265.595
12.5	1248.337	1252.857	1254.090	1253.268	1262.308
13.0	1244.639	1249.570	1250.392	1249.981	1258.610
13.5	1240.941	1245.461	1246.283	1246.283	1255.323
14.0	1236.421	1241.352	1242.174	1242.174	1250.803
14.5	1232.723	1237.243	1238.065	1238.065	1247.515
15.0	1229.025	1233.134	1233.545	1233.545	1242.585
15.5	1224.505	1228.203	1229.436	1229.436	1237.654
16.0	1219.574	1223.683	1224.916	1224.916	1233.545
16.5	1215.465	1218.752	1219.985	1220.396	1229.025
17.0	1209.712	1213.410	1215.054	1215.465	1224.094
17.5	1204.781	1208.479	1210.123	1210.534	1219.163
18.0	1200.261	1203.548	1204.781	1206.014	1214.643
18.5	1194.919	1198.617	1199.850	1200.672	1209.301
19.0	1189.577	1192.454	1194.508	1195.330	1203.548
19.5	1183.414	1187.523	1189.167	1190.810	1198.207
20.0	1176.839	1181.359	1183.414	1184.647	1192.454
20.5	1170.265	1176.018	1177.661	1179.305	1187.112
21.0	1164.923	1169.443	1170.676	1173.963	1181.359
21.5	1158.759	1163.279	1165.334	1166.978	1175.196
22.0	1152.185	1157.527	1159.581	1161.225	1169.854
22.5	1146.432	1150.130	1153.007	1155.472	1163.690
23.0	1139.447	1143.556	1146.432	1148.898	1157.116
23.5	1132.050	1136.570	1140.269	1142.734	1150.952
24.0	1124.654	1129.585	1133.283	1136.160	1144.378
24.5	1118.490	1122.600	1126.709	1129.174	1136.981
25.0	1111.505	1115.614	1120.134	1122.600	1130.407
25.5	1103.698	1108.629	1112.327	1116.025	1122.600
26.0	1096.301	1100.821	1105.752	1109.040	1116.436
26.5	1088.494	1093.014	1098.767	1101.643	1109.451

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**CANDELA TABULATION - (Cont.)**

27.0	1080.687	1084.796	1091.781	1095.480	1102.465
27.5	1071.647	1076.989	1083.974	1087.261	1095.480
28.0	1065.072	1069.182	1076.167	1079.865	1087.672
28.5	1056.443	1061.374	1068.360	1072.058	1079.865
29.0	1048.225	1053.156	1060.142	1064.662	1072.469
29.5	1039.596	1044.527	1051.923	1056.443	1064.251
30.0	1030.967	1036.309	1043.705	1049.458	1057.265
30.5	1021.927	1027.269	1035.898	1041.651	1049.047
31.0	1013.298	1018.640	1027.269	1033.433	1040.418
31.5	1004.258	1010.422	1019.051	1025.625	1033.022
32.0	995.629	1000.971	1010.833	1016.996	1024.393
32.5	986.178	991.931	1002.204	1008.778	1016.174
33.0	977.138	983.302	992.753	1000.560	1007.956
33.5	968.509	974.262	984.535	991.520	999.327
34.0	958.237	964.811	975.495	983.302	991.520
34.5	948.786	955.771	966.866	974.262	982.480
35.0	940.157	945.909	958.237	966.044	973.851
35.5	929.062	936.869	948.786	957.004	964.811
36.0	920.433	927.008	939.746	947.964	956.182
36.5	909.749	917.146	930.295	939.335	947.964
37.0	899.888	907.695	920.844	929.884	939.335
37.5	889.615	897.422	911.804	921.666	929.884
38.0	879.342	887.560	901.942	912.215	920.022
38.5	868.659	877.288	892.491	903.586	910.982
39.0	859.208	867.015	882.630	894.135	903.586
39.5	848.524	857.564	873.179	884.684	893.724
40.0	837.019	846.881	863.317	876.055	884.273
40.5	826.335	836.608	853.866	867.015	875.233
41.0	816.473	826.335	844.004	857.564	865.782
41.5	805.790	816.062	834.142	848.113	856.742
42.0	795.106	805.790	824.281	839.073	847.702
42.5	784.834	795.106	814.008	829.622	838.251
43.0	773.328	784.834	804.557	820.582	829.212
43.5	763.466	774.150	794.284	811.132	820.172
44.0	752.372	763.466	784.012	802.092	810.721
44.5	742.099	753.194	773.739	792.230	801.270
45.0	731.416	742.510	763.877	783.601	792.641
45.5	720.732	732.237	754.015	774.561	783.601
46.0	710.048	721.554	743.332	764.699	774.150
46.5	699.365	710.870	734.292	756.481	765.110
47.0	688.270	700.597	724.019	746.619	756.070
47.5	677.587	689.914	713.746	737.168	746.619
48.0	667.314	679.230	703.474	728.539	737.168
48.5	655.809	668.958	694.023	718.677	728.128
49.0	645.536	657.863	683.339	709.227	718.677
49.5	634.852	647.590	673.478	700.187	709.637
50.0	623.758	636.907	663.616	690.325	700.187
50.5	613.485	626.634	653.343	682.107	691.557
51.0	602.801	615.950	644.303	672.656	682.518
51.5	592.529	605.267	634.030	663.616	673.478
52.0	581.434	594.994	624.169	654.165	664.438
52.5	570.751	584.311	614.718	644.714	655.809
53.0	559.656	574.038	604.856	636.496	646.358
53.5	548.973	563.765	595.405	627.045	637.729
54.0	538.700	553.493	585.954	618.005	629.100
54.5	528.838	542.809	576.503	609.787	620.470

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**CANDELA TABULATION - (Cont.)**

55.0	518.565	532.947	567.052	600.336	612.663
55.5	509.936	522.674	557.602	591.707	603.212
56.0	500.075	513.634	548.562	583.078	594.583
56.5	489.802	504.184	539.111	574.449	586.365
57.0	479.940	494.733	530.071	565.820	577.736
57.5	469.667	484.871	522.264	557.602	568.285
58.0	459.395	475.009	513.224	548.562	561.300
58.5	449.533	465.147	504.184	540.754	553.082
59.0	439.671	455.286	495.555	533.769	544.453
59.5	429.809	445.835	487.747	525.140	537.878
60.0	419.948	435.973	479.118	516.922	529.660
60.5	410.291	426.522	470.489	509.115	521.442
61.0	400.594	417.071	461.860	501.307	513.634
61.5	390.979	407.703	453.231	493.500	506.238
62.0	381.528	398.416	445.013	486.104	498.431
62.5	372.200	389.212	436.384	478.707	491.035
63.0	362.749	380.048	428.166	470.900	484.460
63.5	353.381	371.008	420.358	463.504	477.064
64.0	344.258	362.092	412.140	455.697	469.667
64.5	335.177	353.381	404.333	448.300	462.271
65.0	326.178	344.628	396.485	440.904	455.286
65.5	317.303	336.081	388.719	433.508	447.889
66.0	308.304	327.534	381.035	426.111	440.904
66.5	299.511	319.193	373.392	419.126	433.918
67.0	290.923	310.934	365.790	411.729	426.933
67.5	282.294	302.798	358.353	404.826	419.948
68.0	273.788	294.867	350.956	397.841	413.373
68.5	265.405	286.978	343.724	391.061	406.511
69.0	257.064	279.171	336.574	384.240	400.019
69.5	248.846	271.528	329.507	377.624	393.567
70.0	240.669	264.008	322.562	371.132	387.157
70.5	232.697	256.571	315.618	364.639	380.829
71.0	224.808	249.215	308.797	358.229	374.583
71.5	217.000	242.025	302.140	351.983	368.420
72.0	209.357	234.793	295.484	345.779	362.420
72.5	201.673	227.807	288.991	339.697	356.462
73.0	194.195	220.863	282.540	333.698	350.463
73.5	186.922	214.001	276.294	327.740	344.628
74.0	179.731	207.344	269.966	321.987	338.752
74.5	172.663	200.646	263.926	316.276	333.205
75.0	165.637	194.113	257.927	310.687	327.822
75.5	158.734	187.744	252.010	305.140	322.357
76.0	152.036	181.498	246.257	299.634	317.015
76.5	145.379	175.334	240.545	294.251	311.673
77.0	138.805	169.212	234.916	288.909	306.496
77.5	132.353	163.254	229.369	283.732	301.360
78.0	125.984	157.419	223.986	278.636	296.305
78.5	119.738	151.666	218.644	273.500	291.292
79.0	113.616	146.078	213.466	268.528	286.362
79.5	107.535	140.530	208.371	263.679	281.431
80.0	101.535	135.065	203.276	258.872	276.746
80.5	95.700	129.765	198.345	254.023	271.980
81.0	90.030	124.546	193.620	249.339	267.336
81.5	84.277	119.451	188.894	244.695	262.693
82.0	78.730	114.479	184.292	240.217	258.214
82.5	73.306	109.589	179.772	235.738	253.818

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**CANDELA TABULATION - (Cont.)**

83.0	67.964	104.823	175.334	231.423	249.544
83.5	62.663	100.179	171.102	227.026	245.106
84.0	57.486	95.659	166.993	222.876	240.874
84.5	52.350	91.304	162.966	218.767	236.724
85.0	47.419	87.071	159.021	214.699	232.574
85.5	42.488	83.044	155.159	210.755	228.547
86.0	37.639	79.182	151.378	206.892	224.561
86.5	32.832	75.566	147.803	203.029	220.575
87.0	28.106	72.073	144.187	199.372	216.672
87.5	23.381	68.827	140.777	195.674	212.932
88.0	18.696	65.663	137.408	192.099	209.152
88.5	13.971	62.704	134.161	188.565	205.495
89.0	9.656	59.910	131.080	185.155	201.879
89.5	6.123	57.322	128.080	181.868	198.345
90.0	3.657	55.021	125.327	178.745	195.099
90.5	2.589	53.007	122.779	175.622	191.647
91.0	2.753	51.158	120.190	172.458	188.360
91.5	3.287	49.391	117.602	169.458	185.073
92.0	3.904	47.912	115.136	166.418	181.868
92.5	4.561	46.638	113.041	163.500	178.704
93.0	5.219	45.529	110.863	160.747	175.663
93.5	5.917	44.666	108.808	158.035	172.787
94.0	6.657	43.926	106.877	155.487	169.992
94.5	7.355	43.392	105.069	152.899	167.116
95.0	8.054	42.981	103.384	150.351	164.363
95.5	8.711	42.693	101.823	147.927	161.651
96.0	9.245	42.570	100.467	145.585	158.980
96.5	9.780	42.570	99.111	143.407	156.515
97.0	10.273	42.611	97.878	141.311	154.049
97.5	10.807	42.775	96.728	139.298	151.789
98.0	11.259	42.940	95.700	137.325	149.488
98.5	11.793	43.145	94.837	135.435	147.351
99.0	12.327	43.392	93.933	133.668	145.256
99.5	12.902	43.679	93.153	131.984	143.201
100.0	13.396	43.967	92.536	130.422	141.352
100.5	13.971	44.296	91.920	128.902	139.462
101.0	14.464	44.625	91.468	127.464	137.777
101.5	14.957	44.953	91.016	126.108	136.052
102.0	15.409	45.282	90.687	124.834	134.531
102.5	15.861	45.611	90.359	123.642	133.011
103.0	16.313	45.981	90.112	122.450	131.655
103.5	16.806	46.350	89.907	121.423	130.258
104.0	17.340	46.679	89.701	120.478	128.984
104.5	17.874	47.049	89.578	119.574	127.792
105.0	18.368	47.419	89.455	118.752	126.642
105.5	18.820	47.747	89.331	117.889	125.656
106.0	19.354	48.158	89.290	117.150	124.669
106.5	19.847	48.528	89.290	116.451	123.683
107.0	20.340	48.939	89.290	115.794	122.861
107.5	20.792	49.268	89.290	115.301	121.998
108.0	21.367	49.679	89.290	114.725	121.136
108.5	21.901	50.090	89.331	114.314	120.560
109.0	22.436	50.418	89.413	113.780	119.985
109.5	23.011	50.788	89.455	113.410	119.369
110.0	23.586	51.158	89.537	113.000	118.876
110.5	24.161	51.528	89.619	112.630	118.424

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**CANDELA TABULATION - (Cont.)**

111.0	24.737	51.898	89.660	112.301	117.930
111.5	25.312	52.226	89.701	112.055	117.520
112.0	25.928	52.596	89.783	111.808	117.026
112.5	26.545	52.966	89.865	111.520	116.574
113.0	27.202	53.336	89.989	111.315	116.369
113.5	27.818	53.665	89.989	111.109	116.081
114.0	28.476	53.993	90.071	110.945	115.794
114.5	29.092	54.363	90.153	110.740	115.547
115.0	29.750	54.651	90.235	110.616	115.342
115.5	30.407	55.021	90.235	110.493	115.136
116.0	31.024	55.349	90.359	110.329	114.890
116.5	31.599	55.678	90.441	110.164	114.808
117.0	32.256	56.048	90.523	110.164	114.602
117.5	32.873	56.335	90.605	110.000	114.479
118.0	33.407	56.623	90.687	109.918	114.314
118.5	34.023	56.911	90.728	109.795	114.273
119.0	34.557	57.198	90.811	109.671	114.027
119.5	35.133	57.404	90.893	109.548	113.986
120.0	35.667	57.609	90.852	109.466	113.780
120.5	36.201	57.856	90.893	109.301	113.739
121.0	36.735	58.020	90.975	109.178	113.575
121.5	37.310	58.226	90.934	109.014	113.493
122.0	37.845	58.472	90.934	108.932	113.369
122.5	38.379	58.719	90.975	108.767	113.082
123.0	38.913	58.965	90.934	108.603	113.041
123.5	39.406	59.171	90.852	108.480	112.794
124.0	39.817	59.335	90.852	108.356	112.753
124.5	40.228	59.499	90.852	108.151	112.589
125.0	40.639	59.705	90.769	107.945	112.424
125.5	41.050	59.828	90.687	107.822	112.219
126.0	41.419	59.993	90.646	107.576	112.055
126.5	41.748	60.198	90.564	107.411	111.931
127.0	42.118	60.280	90.482	107.206	111.767
127.5	42.406	60.403	90.359	107.000	111.479
128.0	42.775	60.403	90.317	106.754	111.315
128.5	43.063	60.486	90.153	106.548	111.151
129.0	43.351	60.568	89.989	106.343	110.945
129.5	43.597	60.691	89.701	106.014	110.699
130.0	43.803	60.773	89.413	105.809	110.452
130.5	44.008	60.855	89.085	105.562	110.164
131.0	44.131	60.979	88.756	105.192	109.877
131.5	44.296	61.102	88.427	104.864	109.589
132.0	44.460	61.225	88.057	104.658	109.343
132.5	44.542	61.266	87.647	104.247	108.973
133.0	44.666	61.307	87.482	103.877	108.521
133.5	44.707	61.266	87.236	103.590	108.315
134.0	44.748	61.184	87.071	103.261	108.028
134.5	44.871	61.020	86.866	102.891	107.493
135.0	44.994	60.897	86.619	102.398	107.083
135.5	44.953	60.568	86.414	102.069	106.754
136.0	45.035	60.527	86.126	101.659	106.343
136.5	45.118	60.403	85.921	101.207	105.932
137.0	45.159	60.198	85.592	100.837	105.480
137.5	45.200	59.993	85.304	100.344	105.069
138.0	45.282	59.869	84.894	99.933	104.576
138.5	45.282	59.705	84.359	99.481	104.206

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

139.0	45.241	59.582	83.743	98.947	103.631
139.5	45.241	59.417	83.003	98.371	103.220
140.0	45.241	59.212	82.182	97.837	102.645
140.5	45.241	59.089	81.442	97.180	102.028
141.0	45.241	59.006	80.620	96.481	101.535
141.5	45.241	58.842	79.798	95.865	101.042
142.0	45.200	58.760	79.018	95.084	100.508
142.5	45.159	58.637	78.196	94.385	99.892
143.0	45.118	58.513	77.415	93.728	99.275
143.5	45.118	58.349	76.511	93.029	98.700
144.0	45.118	58.143	75.730	92.495	98.043
144.5	45.241	57.979	74.950	91.879	97.467
145.0	45.405	57.815	74.087	91.345	96.810
145.5	45.693	57.609	73.306	90.811	96.152
146.0	46.063	57.445	72.566	90.235	95.536
146.5	46.433	57.281	71.950	89.619	94.837
147.0	46.802	57.075	71.251	89.003	94.139
147.5	47.131	56.993	70.717	88.386	93.440
148.0	47.501	56.829	70.142	87.688	92.701
148.5	47.830	56.787	69.690	87.030	91.961
149.0	48.241	56.787	69.197	86.373	91.304
149.5	48.528	56.911	68.745	85.674	90.482
150.0	48.857	56.993	68.293	85.017	89.619
150.5	49.145	57.034	67.800	84.277	88.715
151.0	49.350	57.157	67.142	83.538	87.647
151.5	49.555	57.198	66.444	82.757	86.660
152.0	49.802	57.281	65.786	81.935	85.674
152.5	50.049	57.363	65.170	81.072	84.606
153.0	50.213	57.404	64.512	80.086	83.743
153.5	50.418	57.527	63.814	79.059	82.757
154.0	50.583	57.486	63.198	77.908	81.935
154.5	50.788	57.527	62.663	76.799	81.113
155.0	50.870	57.609	62.129	75.525	80.497
155.5	51.035	57.650	61.595	74.333	79.839
156.0	51.158	57.650	61.225	73.059	79.264
156.5	51.363	57.650	60.855	71.786	78.524
157.0	51.446	57.733	60.486	70.635	77.826
157.5	51.569	57.733	60.239	69.526	77.045
158.0	51.733	57.691	60.116	68.375	76.306
158.5	51.774	57.691	59.951	67.430	75.443
159.0	51.980	57.568	59.828	66.526	74.703
159.5	52.144	57.486	59.623	65.663	73.881
160.0	52.350	57.404	59.417	64.964	73.059
160.5	52.596	57.363	59.253	64.307	72.279
161.0	52.761	57.239	59.212	63.608	71.498
161.5	53.007	57.198	59.130	62.910	70.923
162.0	53.213	57.116	59.253	62.335	70.430
162.5	53.418	57.116	59.335	61.718	69.854
163.0	53.665	57.075	59.376	61.061	69.361
163.5	53.870	57.075	59.458	60.362	68.745
164.0	53.952	57.075	59.541	59.499	68.170
164.5	54.075	56.993	59.458	58.842	67.430
165.0	54.199	56.993	59.335	58.185	66.690
165.5	54.322	56.952	59.212	57.733	65.910
166.0	54.445	56.911	59.130	57.239	64.718
166.5	54.569	56.911	59.006	56.829	64.143

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 75W-2-L42-827-HE-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	54.733	56.911	58.883	56.459	63.691
167.5	54.815	56.911	58.637	56.130	63.239
168.0	54.938	56.911	58.431	55.801	62.869
168.5	55.185	56.746	58.143	55.514	62.417
169.0	55.308	56.787	57.938	55.226	61.965
169.5	55.514	56.664	57.609	54.897	61.472
170.0	55.596	56.623	57.322	54.486	61.020
170.5	55.719	56.541	56.952	54.034	60.527
171.0	55.801	56.459	56.541	53.541	59.910
171.5	55.925	56.459	56.171	53.089	59.417
172.0	56.130	56.377	55.966	52.637	58.678
172.5	56.253	56.377	55.719	52.144	57.856
173.0	56.418	56.294	55.514	51.692	56.459
173.5	56.623	56.335	55.431	51.240	54.363
174.0	56.787	56.335	55.390	50.870	51.774
174.5	56.911	56.335	55.308	50.501	48.693
175.0	57.157	56.459	55.267	50.213	45.200
175.5	57.239	56.500	55.226	50.090	41.543
176.0	57.404	56.582	55.226	49.966	39.159
176.5	57.445	56.623	55.185	49.966	37.475
177.0	57.609	56.705	55.103	49.843	35.749
177.5	57.650	56.705	54.979	49.802	35.379
178.0	57.815	56.787	54.938	49.761	35.461
178.5	57.897	56.829	54.979	49.679	35.544
179.0	57.979	56.829	54.938	49.555	35.585
179.5	58.061	56.829	54.897	49.514	35.626
180.0	52.062	52.062	52.062	52.062	52.062



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	470.44	N.A.	11.70
0-30	985.73	N.A.	24.50
0-40	1583.43	N.A.	39.40
0-60	2679.75	N.A.	66.70
0-80	3338.49	N.A.	83.10
0-90	3504.16	N.A.	87.30
10-90	3381.52	N.A.	84.20
20-40	1112.99	N.A.	27.70
20-50	1701.59	N.A.	42.40
40-70	1486.85	N.A.	37.00
60-80	658.74	N.A.	16.40
70-80	268.21	N.A.	6.70
80-90	165.67	N.A.	4.10
90-110	193.51	N.A.	4.80
90-120	274.97	N.A.	6.80
90-130	349.94	N.A.	8.70
90-150	459.41	N.A.	11.40
90-180	511.74	N.A.	12.70
110-180	318.24	N.A.	7.90
0-180	4015.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	122.64
10-20	347.79
20-30	515.29
30-40	597.71
40-50	588.59
50-60	507.73
60-70	390.53
70-80	268.21
80-90	165.67
90-100	106.15
100-110	87.36
110-120	81.46
120-130	74.97
130-140	63.00
140-150	46.46
150-160	30.38
160-170	16.74
170-180	5.21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L42-827-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-2-L42-827-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

X=2H	Y=2H	18.9	20.3	19.5	20.9	21.5	20.5	21.9	21.1	22.5	23.1
	3H	20.3	21.5	20.9	22.1	22.8	22.7	23.9	23.3	24.5	25.2
	4H	20.7	21.9	21.3	22.5	23.2	23.7	24.9	24.3	25.5	26.2
	6H	21.0	22.1	21.6	22.7	23.4	24.8	25.9	25.4	26.5	27.2
	8H	21.1	22.2	21.7	22.8	23.5	25.4	26.4	26.0	27.1	27.7
	12H	21.2	22.1	21.8	22.8	23.5	26.0	27.0	26.6	27.6	28.3

UGR Viewed Endwise

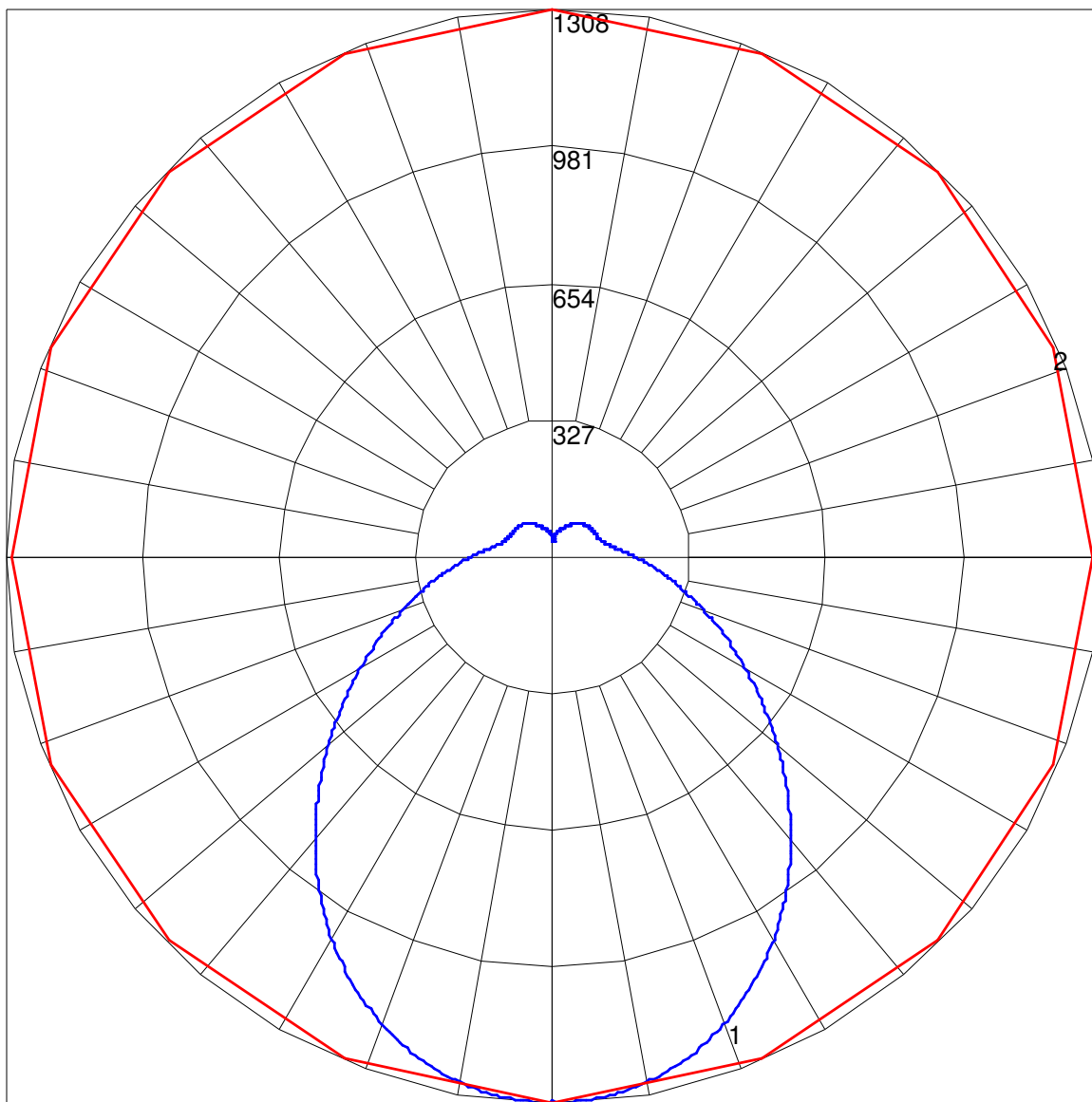
4H	2H	19.7	20.8	20.3	21.4	22.1	20.9	22.1	21.5	22.7	23.4
	3H	21.3	22.3	21.9	22.9	23.6	23.3	24.3	24.0	25.0	25.7
	4H	21.8	22.7	22.5	23.4	24.1	24.6	25.5	25.2	26.1	26.8
	6H	22.2	23.0	22.9	23.7	24.4	25.9	26.6	26.5	27.3	28.0
	8H	22.4	23.1	23.0	23.8	24.5	26.5	27.3	27.2	27.9	28.7
	12H	22.4	23.1	23.1	23.8	24.5	27.3	27.9	27.9	28.6	29.4

8H	4H	22.4	23.1	23.0	23.8	24.5	24.8	25.5	25.4	26.2	26.9
	6H	23.0	23.6	23.6	24.3	25.0	26.2	26.9	26.9	27.6	28.3
	8H	23.2	23.7	23.9	24.4	25.2	27.0	27.6	27.7	28.3	29.1
	12H	23.3	23.8	24.0	24.5	25.3	28.0	28.5	28.7	29.2	30.0

12H	4H	22.5	23.2	23.2	23.9	24.6	24.8	25.4	25.4	26.1	26.9
	6H	23.2	23.8	23.9	24.5	25.3	26.3	26.8	27.0	27.5	28.3
	8H	23.5	24.0	24.2	24.7	25.5	27.2	27.7	27.9	28.3	29.2

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 1307.508 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.)