

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-3-L40-940-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-3-L40-940-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	3341
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	28.2
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)	2.80 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	9653	8671	8623
55	8335	7412	7570
65	6973	6335	6746
75	5536	5516	6306
85	3904	5387	6662

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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	1081.336	1081.336	1081.336	1081.336	1081.336
0.5	1076.208	1080.311	1080.994	1080.653	1087.832
1.0	1076.208	1080.653	1080.653	1080.311	1087.490
1.5	1075.183	1080.653	1080.311	1079.969	1087.832
2.0	1074.841	1079.627	1080.311	1079.627	1086.806
2.5	1074.841	1079.627	1079.285	1079.285	1086.123
3.0	1073.815	1078.601	1078.601	1078.601	1085.439
3.5	1073.131	1077.576	1077.576	1077.918	1084.755
4.0	1072.448	1076.892	1076.892	1076.550	1084.071
4.5	1070.738	1075.866	1076.208	1075.866	1083.046
5.0	1069.713	1074.841	1074.841	1074.841	1082.020
5.5	1068.345	1073.473	1073.473	1073.815	1080.653
6.0	1067.662	1071.764	1072.106	1072.106	1079.285
6.5	1065.268	1070.396	1070.738	1070.738	1077.576
7.0	1063.901	1068.687	1069.029	1068.687	1076.208
7.5	1062.533	1066.636	1067.320	1067.320	1074.499
8.0	1060.824	1065.268	1065.268	1065.268	1072.106
8.5	1059.115	1062.875	1063.559	1063.559	1070.055
9.0	1056.380	1061.166	1061.508	1061.166	1067.662
9.5	1054.670	1058.773	1058.773	1058.773	1066.294
10.0	1051.935	1056.038	1056.038	1056.722	1063.559
10.5	1049.542	1053.645	1053.987	1053.987	1061.166
11.0	1047.149	1051.252	1051.594	1051.252	1058.431
11.5	1044.072	1048.517	1049.201	1048.517	1056.038
12.0	1041.338	1045.440	1046.124	1046.124	1052.961
12.5	1038.603	1042.363	1043.389	1042.705	1050.226
13.0	1035.526	1039.628	1040.312	1039.970	1047.149
13.5	1032.449	1036.209	1036.893	1036.893	1044.414
14.0	1028.688	1032.791	1033.474	1033.474	1040.654
14.5	1025.611	1029.372	1030.056	1030.056	1037.919
15.0	1022.535	1025.953	1026.295	1026.295	1033.816
15.5	1018.774	1021.851	1022.876	1022.876	1029.714
16.0	1014.672	1018.090	1019.116	1019.116	1026.295
16.5	1011.253	1013.988	1015.013	1015.355	1022.535
17.0	1006.467	1009.544	1010.911	1011.253	1018.432
17.5	1002.364	1005.441	1006.809	1007.150	1014.330
18.0	998.604	1001.339	1002.364	1003.390	1010.569
18.5	994.159	997.236	998.262	998.946	1006.125
19.0	989.715	992.108	993.818	994.501	1001.339
19.5	984.587	988.006	989.373	990.741	996.894
20.0	979.117	982.878	984.587	985.613	992.108
20.5	973.647	978.433	979.801	981.168	987.664
21.0	969.203	972.963	973.989	976.724	982.878
21.5	964.075	967.835	969.545	970.912	977.750
22.0	958.605	963.049	964.759	966.126	973.305
22.5	953.819	956.895	959.289	961.340	968.177
23.0	948.007	951.426	953.819	955.870	962.707
23.5	941.853	945.614	948.691	950.742	957.579
24.0	935.700	939.802	942.879	945.272	952.109
24.5	930.571	933.990	937.409	939.460	945.956
25.0	924.760	928.178	931.939	933.990	940.486
25.5	918.264	922.367	925.443	928.520	933.990
26.0	912.110	915.871	919.973	922.708	928.862
26.5	905.615	909.375	914.162	916.555	923.050

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**CANDELA TABULATION - (Cont.)**

27.0	899.119	902.538	908.350	911.427	917.239
27.5	891.598	896.043	901.854	904.589	911.427
28.0	886.128	889.547	895.359	898.436	904.931
28.5	878.949	883.051	888.863	891.940	898.436
29.0	872.112	876.214	882.026	885.786	892.282
29.5	864.932	869.035	875.188	878.949	885.445
30.0	857.753	862.197	868.351	873.137	879.633
30.5	850.232	854.676	861.855	866.642	872.795
31.0	843.053	847.497	854.676	859.804	865.616
31.5	835.531	840.660	847.839	853.309	859.462
32.0	828.352	832.797	841.001	846.129	852.283
32.5	820.489	825.275	833.822	839.292	845.446
33.0	812.968	818.096	825.959	832.455	838.608
33.5	805.789	810.575	819.122	824.933	831.429
34.0	797.242	802.712	811.601	818.096	824.933
34.5	789.379	795.191	804.421	810.575	817.412
35.0	782.200	786.986	797.242	803.738	810.233
35.5	772.969	779.465	789.379	796.216	802.712
36.0	765.790	771.260	781.858	788.695	795.533
36.5	756.901	763.055	773.995	781.516	788.695
37.0	748.696	755.192	766.132	773.653	781.516
37.5	740.150	746.645	758.611	766.816	773.653
38.0	731.603	738.440	750.406	758.952	765.448
38.5	722.714	729.893	742.543	751.773	757.927
39.0	714.851	721.347	734.338	743.910	751.773
39.5	705.963	713.484	726.475	736.047	743.568
40.0	696.390	704.595	718.270	728.868	735.705
40.5	687.502	696.048	710.407	721.347	728.184
41.0	679.297	687.502	702.202	713.484	720.321
41.5	670.408	678.955	693.997	705.621	712.800
42.0	661.519	670.408	685.792	698.100	705.279
42.5	652.973	661.519	677.245	690.237	697.416
43.0	643.400	652.973	669.382	682.715	689.895
43.5	635.195	644.084	660.836	674.852	682.373
44.0	625.965	635.195	652.289	667.331	674.510
44.5	617.418	626.649	643.742	659.126	666.647
45.0	608.529	617.760	635.537	651.947	659.468
45.5	599.641	609.213	627.332	644.426	651.947
46.0	590.752	600.325	618.444	636.221	644.084
46.5	581.864	591.436	610.923	629.384	636.563
47.0	572.633	582.889	602.376	621.179	629.042
47.5	563.744	574.001	593.829	613.316	621.179
48.0	555.198	565.112	585.282	606.136	613.316
48.5	545.625	556.565	577.419	597.931	605.795
49.0	537.079	547.335	568.531	590.068	597.931
49.5	528.190	538.788	560.326	582.547	590.410
50.0	518.959	529.899	552.121	574.342	582.547
50.5	510.413	521.352	543.574	567.505	575.368
51.0	501.524	512.464	536.053	559.642	567.847
51.5	492.977	503.575	527.506	552.121	560.326
52.0	483.747	495.028	519.301	544.258	552.805
52.5	474.858	486.140	511.438	536.395	545.625
53.0	465.628	477.593	503.233	529.557	537.762
53.5	456.739	469.046	495.370	521.694	530.583
54.0	448.192	460.500	487.507	514.173	523.404
54.5	439.987	451.611	479.644	507.336	516.224

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**CANDELA TABULATION - (Cont.)**

55.0	431.441	443.406	471.781	499.473	509.729
55.5	424.261	434.859	463.918	492.294	501.866
56.0	416.056	427.338	456.397	485.114	494.687
56.5	407.510	419.475	448.534	477.935	487.849
57.0	399.305	411.612	441.013	470.756	480.670
57.5	390.758	403.407	434.517	463.918	472.807
58.0	382.211	395.202	426.996	456.397	466.995
58.5	374.006	386.997	419.475	449.902	460.158
59.0	365.801	378.792	412.296	444.090	452.978
59.5	357.597	370.929	405.800	436.910	447.508
60.0	349.392	362.725	398.621	430.073	440.671
60.5	341.358	354.862	391.442	423.578	433.834
61.0	333.290	346.999	384.262	417.082	427.338
61.5	325.290	339.204	377.083	410.586	421.184
62.0	317.427	331.478	370.246	404.433	414.689
62.5	309.666	323.820	363.066	398.279	408.535
63.0	301.803	316.196	356.229	391.784	403.065
63.5	294.009	308.675	349.734	385.630	396.912
64.0	286.419	301.256	342.896	379.134	390.758
64.5	278.864	294.009	336.401	372.981	384.604
65.0	271.377	286.727	329.871	366.827	378.792
65.5	263.992	279.616	323.409	360.673	372.639
66.0	256.505	272.505	317.017	354.520	366.827
66.5	249.189	265.565	310.658	348.708	361.015
67.0	242.044	258.693	304.333	342.554	355.203
67.5	234.865	251.924	298.145	336.811	349.392
68.0	227.788	245.326	291.992	330.999	343.922
68.5	220.814	238.762	285.975	325.358	338.212
69.0	213.874	232.267	280.026	319.683	332.811
69.5	207.037	225.908	274.146	314.179	327.444
70.0	200.234	219.652	268.368	308.777	322.110
70.5	193.601	213.464	262.591	303.376	316.846
71.0	187.037	207.344	256.916	298.043	311.649
71.5	180.542	201.362	251.377	292.846	306.521
72.0	174.183	195.345	245.839	287.684	301.530
72.5	167.790	189.533	240.438	282.624	296.573
73.0	161.568	183.755	235.070	277.633	291.581
73.5	155.517	178.046	229.874	272.676	286.727
74.0	149.534	172.508	224.609	267.890	281.838
74.5	143.654	166.935	219.583	263.138	277.223
75.0	137.808	161.500	214.592	258.488	272.744
75.5	132.065	156.201	209.669	253.873	268.197
76.0	126.492	151.004	204.883	249.292	263.753
76.5	120.954	145.876	200.131	244.813	259.309
77.0	115.484	140.782	195.447	240.369	255.001
77.5	110.116	135.825	190.832	236.062	250.728
78.0	104.817	130.971	186.354	231.822	246.523
78.5	99.621	126.184	181.909	227.549	242.352
79.0	94.527	121.535	177.602	223.412	238.250
79.5	89.468	116.920	173.363	219.378	234.147
80.0	84.476	112.373	169.123	215.378	230.250
80.5	79.622	107.963	165.021	211.344	226.284
81.0	74.904	103.621	161.089	207.447	222.421
81.5	70.118	99.382	157.158	203.584	218.558
82.0	65.502	95.245	153.329	199.857	214.831
82.5	60.990	91.177	149.568	196.131	211.173

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**CANDELA TABULATION - (Cont.)**

83.0	56.545	87.211	145.876	192.541	207.618
83.5	52.135	83.348	142.355	188.883	203.926
84.0	47.828	79.587	138.936	185.431	200.404
84.5	43.554	75.964	135.586	182.012	196.952
85.0	39.452	72.442	132.304	178.627	193.499
85.5	35.349	69.092	129.090	175.345	190.148
86.0	31.315	65.878	125.945	172.132	186.832
86.5	27.315	62.870	122.971	168.918	183.516
87.0	23.384	59.964	119.962	165.876	180.268
87.5	19.452	57.263	117.125	162.799	177.157
88.0	15.555	54.631	114.321	159.824	174.012
88.5	11.624	52.169	111.621	156.884	170.969
89.0	8.034	49.845	109.057	154.047	167.961
89.5	5.094	47.691	106.561	151.312	165.021
90.0	3.043	45.776	104.270	148.714	162.320
90.5	2.154	44.101	102.151	146.115	159.448
91.0	2.291	42.563	99.997	143.483	156.713
91.5	2.735	41.093	97.843	140.987	153.978
92.0	3.248	39.862	95.792	138.458	151.312
92.5	3.795	38.802	94.049	136.030	148.679
93.0	4.342	37.879	92.237	133.740	146.150
93.5	4.923	37.161	90.527	131.483	143.757
94.0	5.538	36.546	88.921	129.364	141.432
94.5	6.119	36.102	87.416	127.210	139.039
95.0	6.701	35.760	86.015	125.090	136.748
95.5	7.248	35.520	84.716	123.073	134.492
96.0	7.692	35.418	83.587	121.125	132.270
96.5	8.137	35.418	82.459	119.313	130.218
97.0	8.547	35.452	81.434	117.569	128.167
97.5	8.991	35.589	80.476	115.894	126.287
98.0	9.367	35.725	79.622	114.253	124.372
98.5	9.812	35.896	78.904	112.681	122.595
99.0	10.256	36.102	78.152	111.210	120.851
99.5	10.735	36.341	77.502	109.809	119.142
100.0	11.145	36.580	76.989	108.510	117.603
100.5	11.624	36.854	76.476	107.245	116.031
101.0	12.034	37.127	76.100	106.048	114.629
101.5	12.444	37.401	75.724	104.920	113.193
102.0	12.820	37.674	75.451	103.860	111.928
102.5	13.196	37.948	75.177	102.869	110.663
103.0	13.572	38.255	74.972	101.877	109.535
103.5	13.983	38.563	74.801	101.023	108.373
104.0	14.427	38.836	74.630	100.236	107.313
104.5	14.871	39.144	74.528	99.484	106.322
105.0	15.282	39.452	74.425	98.801	105.364
105.5	15.658	39.725	74.323	98.083	104.544
106.0	16.102	40.067	74.288	97.467	103.724
106.5	16.512	40.375	74.288	96.886	102.903
107.0	16.923	40.717	74.288	96.339	102.219
107.5	17.299	40.990	74.288	95.929	101.501
108.0	17.777	41.332	74.288	95.450	100.783
108.5	18.222	41.674	74.323	95.108	100.305
109.0	18.666	41.948	74.391	94.664	99.826
109.5	19.145	42.255	74.425	94.356	99.313
110.0	19.623	42.563	74.494	94.014	98.903
110.5	20.102	42.871	74.562	93.707	98.527

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**CANDELA TABULATION - (Cont.)**

111.0	20.581	43.178	74.596	93.433	98.117
111.5	21.059	43.452	74.630	93.228	97.775
112.0	21.572	43.759	74.699	93.023	97.365
112.5	22.085	44.067	74.767	92.784	96.989
113.0	22.632	44.375	74.870	92.613	96.818
113.5	23.145	44.648	74.870	92.442	96.578
114.0	23.692	44.922	74.938	92.305	96.339
114.5	24.204	45.229	75.006	92.134	96.134
115.0	24.751	45.469	75.075	92.032	95.963
115.5	25.298	45.776	75.075	91.929	95.792
116.0	25.811	46.050	75.177	91.792	95.587
116.5	26.290	46.323	75.246	91.655	95.519
117.0	26.837	46.631	75.314	91.655	95.348
117.5	27.350	46.870	75.382	91.519	95.245
118.0	27.794	47.110	75.451	91.450	95.108
118.5	28.307	47.349	75.485	91.348	95.074
119.0	28.751	47.588	75.553	91.245	94.869
119.5	29.230	47.759	75.622	91.143	94.835
120.0	29.674	47.930	75.588	91.074	94.664
120.5	30.119	48.135	75.622	90.938	94.630
121.0	30.563	48.272	75.690	90.835	94.493
121.5	31.042	48.443	75.656	90.698	94.425
122.0	31.486	48.648	75.656	90.630	94.322
122.5	31.931	48.853	75.690	90.493	94.083
123.0	32.375	49.058	75.656	90.356	94.049
123.5	32.785	49.229	75.588	90.254	93.843
124.0	33.127	49.366	75.588	90.151	93.809
124.5	33.469	49.503	75.588	89.980	93.673
125.0	33.811	49.674	75.519	89.809	93.536
125.5	34.153	49.776	75.451	89.707	93.365
126.0	34.461	49.913	75.417	89.502	93.228
126.5	34.734	50.084	75.348	89.365	93.126
127.0	35.042	50.152	75.280	89.194	92.989
127.5	35.281	50.255	75.177	89.023	92.749
128.0	35.589	50.255	75.143	88.818	92.613
128.5	35.828	50.323	75.006	88.647	92.476
129.0	36.067	50.392	74.870	88.476	92.305
129.5	36.272	50.494	74.630	88.203	92.100
130.0	36.443	50.563	74.391	88.032	91.895
130.5	36.614	50.631	74.118	87.827	91.655
131.0	36.717	50.734	73.844	87.519	91.416
131.5	36.854	50.836	73.571	87.245	91.177
132.0	36.990	50.939	73.263	87.074	90.972
132.5	37.059	50.973	72.921	86.733	90.664
133.0	37.161	51.007	72.784	86.425	90.288
133.5	37.196	50.973	72.579	86.186	90.117
134.0	37.230	50.905	72.442	85.912	89.878
134.5	37.332	50.768	72.271	85.604	89.433
135.0	37.435	50.665	72.066	85.194	89.091
135.5	37.401	50.392	71.895	84.921	88.818
136.0	37.469	50.358	71.656	84.579	88.476
136.5	37.537	50.255	71.485	84.203	88.134
137.0	37.572	50.084	71.212	83.895	87.758
137.5	37.606	49.913	70.972	83.485	87.416
138.0	37.674	49.811	70.630	83.143	87.006
138.5	37.674	49.674	70.186	82.767	86.698

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

139.0	37.640	49.571	69.673	82.322	86.220
139.5	37.640	49.434	69.058	81.844	85.878
140.0	37.640	49.264	68.374	81.399	85.399
140.5	37.640	49.161	67.759	80.852	84.886
141.0	37.640	49.093	67.075	80.271	84.476
141.5	37.640	48.956	66.391	79.758	84.066
142.0	37.606	48.887	65.742	79.109	83.622
142.5	37.572	48.785	65.058	78.528	83.109
143.0	37.537	48.682	64.408	77.981	82.596
143.5	37.537	48.546	63.656	77.399	82.117
144.0	37.537	48.375	63.007	76.955	81.570
144.5	37.640	48.238	62.357	76.442	81.092
145.0	37.777	48.101	61.639	75.998	80.545
145.5	38.016	47.930	60.990	75.553	79.998
146.0	38.324	47.793	60.374	75.075	79.485
146.5	38.631	47.657	59.862	74.562	78.904
147.0	38.939	47.486	59.280	74.049	78.323
147.5	39.213	47.417	58.836	73.536	77.741
148.0	39.520	47.281	58.357	72.955	77.126
148.5	39.794	47.247	57.981	72.408	76.511
149.0	40.136	47.247	57.571	71.861	75.964
149.5	40.375	47.349	57.195	71.280	75.280
150.0	40.648	47.417	56.819	70.733	74.562
150.5	40.888	47.452	56.409	70.118	73.810
151.0	41.059	47.554	55.862	69.502	72.921
151.5	41.230	47.588	55.280	68.853	72.100
152.0	41.435	47.657	54.733	68.169	71.280
152.5	41.640	47.725	54.221	67.451	70.391
153.0	41.777	47.759	53.674	66.631	69.673
153.5	41.948	47.862	53.092	65.776	68.853
154.0	42.084	47.828	52.580	64.819	68.169
154.5	42.255	47.862	52.135	63.896	67.485
155.0	42.324	47.930	51.691	62.836	66.972
155.5	42.460	47.964	51.246	61.844	66.425
156.0	42.563	47.964	50.939	60.785	65.947
156.5	42.734	47.964	50.631	59.725	65.331
157.0	42.802	48.033	50.323	58.768	64.750
157.5	42.905	48.033	50.118	57.844	64.101
158.0	43.041	47.999	50.016	56.887	63.485
158.5	43.076	47.999	49.879	56.101	62.767
159.0	43.247	47.896	49.776	55.349	62.152
159.5	43.383	47.828	49.605	54.631	61.468
160.0	43.554	47.759	49.434	54.050	60.785
160.5	43.759	47.725	49.298	53.503	60.135
161.0	43.896	47.623	49.264	52.922	59.485
161.5	44.101	47.588	49.195	52.340	59.007
162.0	44.272	47.520	49.298	51.862	58.597
162.5	44.443	47.520	49.366	51.349	58.118
163.0	44.648	47.486	49.400	50.802	57.708
163.5	44.819	47.486	49.469	50.221	57.195
164.0	44.888	47.486	49.537	49.503	56.716
164.5	44.990	47.417	49.469	48.956	56.101
165.0	45.093	47.417	49.366	48.409	55.486
165.5	45.195	47.383	49.264	48.033	54.836
166.0	45.298	47.349	49.195	47.623	53.845
166.5	45.400	47.349	49.093	47.281	53.366

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

167.0	45.537	47.349	48.990	46.973	52.990
167.5	45.606	47.349	48.785	46.700	52.614
168.0	45.708	47.349	48.614	46.426	52.306
168.5	45.913	47.212	48.375	46.187	51.930
169.0	46.016	47.247	48.204	45.947	51.554
169.5	46.187	47.144	47.930	45.674	51.144
170.0	46.255	47.110	47.691	45.332	50.768
170.5	46.358	47.041	47.383	44.956	50.358
171.0	46.426	46.973	47.041	44.546	49.845
171.5	46.529	46.973	46.734	44.170	49.434
172.0	46.700	46.905	46.563	43.794	48.819
172.5	46.802	46.905	46.358	43.383	48.135
173.0	46.939	46.836	46.187	43.007	46.973
173.5	47.110	46.870	46.118	42.631	45.229
174.0	47.247	46.870	46.084	42.324	43.076
174.5	47.349	46.870	46.016	42.016	40.512
175.0	47.554	46.973	45.982	41.777	37.606
175.5	47.623	47.007	45.947	41.674	34.563
176.0	47.759	47.076	45.947	41.571	32.580
176.5	47.793	47.110	45.913	41.571	31.179
177.0	47.930	47.178	45.845	41.469	29.743
177.5	47.964	47.178	45.742	41.435	29.435
178.0	48.101	47.247	45.708	41.401	29.503
178.5	48.170	47.281	45.742	41.332	29.572
179.0	48.238	47.281	45.708	41.230	29.606
179.5	48.306	47.281	45.674	41.195	29.640
180.0	43.315	43.315	43.315	43.315	43.315



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

Zone	Lumens	%Lamp	%Fixt
0-20	391.40	N.A.	11.70
0-30	820.11	N.A.	24.50
0-40	1317.4	N.A.	39.40
0-60	2229.52	N.A.	66.70
0-80	2777.59	N.A.	83.10
0-90	2915.43	N.A.	87.30
10-90	2813.39	N.A.	84.20
20-40	926.00	N.A.	27.70
20-50	1415.7	N.A.	42.40
40-70	1237.04	N.A.	37.00
60-80	548.06	N.A.	16.40
70-80	223.15	N.A.	6.70
80-90	137.84	N.A.	4.10
90-110	160.99	N.A.	4.80
90-120	228.77	N.A.	6.80
90-130	291.15	N.A.	8.70
90-150	382.23	N.A.	11.40
90-180	425.77	N.A.	12.70
110-180	264.77	N.A.	7.90
0-180	3341.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	102.04
10-20	289.36
20-30	428.71
30-40	497.28
40-50	489.70
50-60	422.42
60-70	324.91
70-80	223.15
80-90	137.84
90-100	88.31
100-110	72.68
110-120	67.78
120-130	62.38
130-140	52.42
140-150	38.66
150-160	25.28
160-170	13.93
170-180	4.34

**IES INDOOR REPORT**  
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**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	87	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-3-L40-940-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

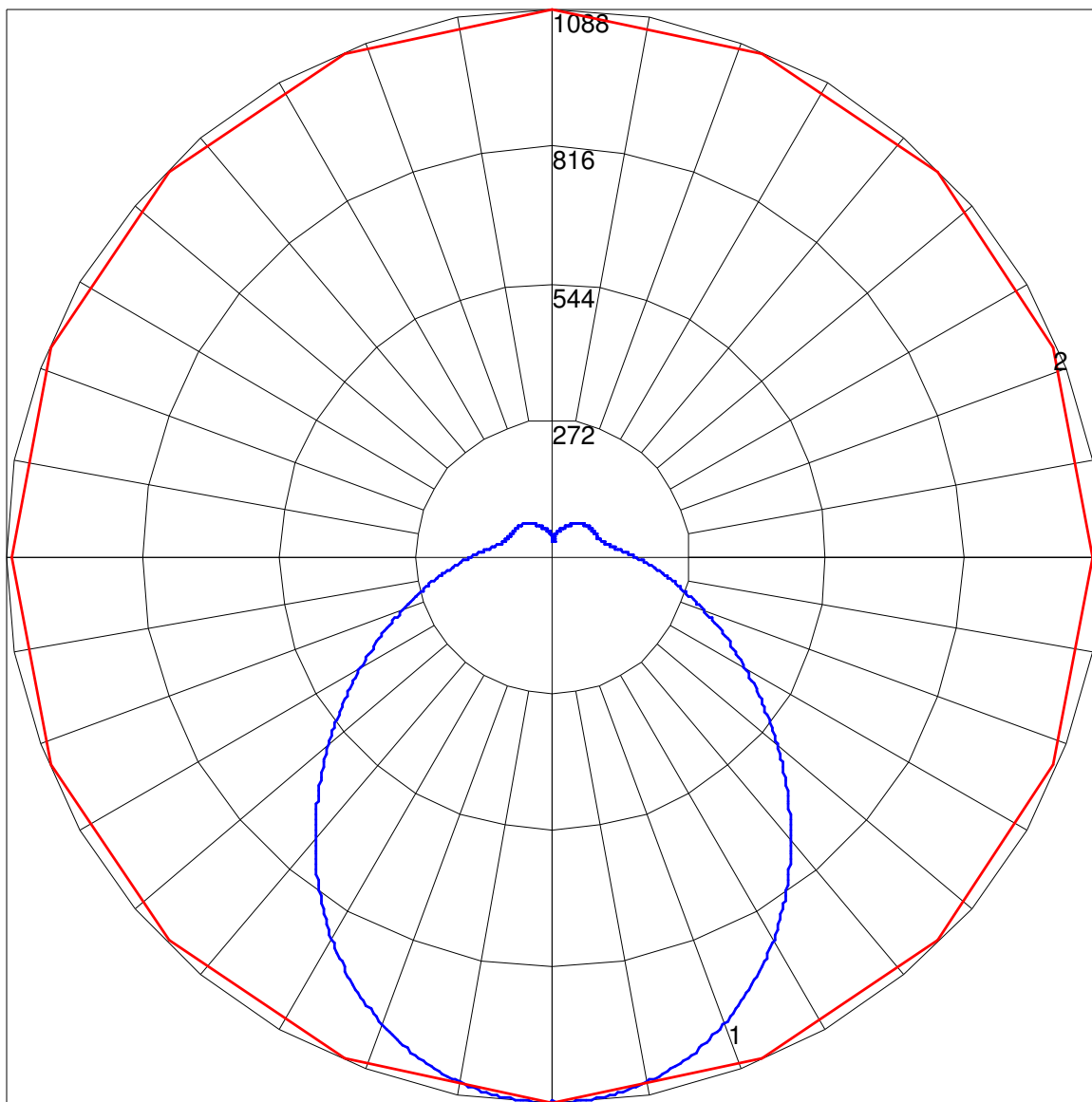
Reflectances

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	17.0	18.3	17.5	18.9	19.5	18.6	20.0	19.2	20.5	21.2
	3H	18.3	19.6	18.9	20.1	20.8	20.8	22.0	21.4	22.6	23.3
	4H	18.8	19.9	19.4	20.5	21.2	21.9	23.0	22.4	23.6	24.3
	6H	19.1	20.2	19.7	20.8	21.4	23.0	24.1	23.6	24.7	25.3
	8H	19.1	20.2	19.8	20.8	21.5	23.5	24.6	24.2	25.2	25.9
	12H	19.2	20.2	19.8	20.8	21.5	24.2	25.2	24.8	25.8	26.5
4H	2H	17.7	18.9	18.3	19.5	20.1	19.0	20.2	19.6	20.8	21.4
	3H	19.3	20.3	19.9	20.9	21.6	21.4	22.4	22.0	23.1	23.8
	4H	19.9	20.8	20.5	21.4	22.1	22.7	23.6	23.3	24.2	24.9
	6H	20.3	21.1	20.9	21.7	22.5	24.0	24.8	24.6	25.4	26.2
	8H	20.4	21.1	21.1	21.8	22.5	24.7	25.4	25.3	26.1	26.8
	12H	20.5	21.1	21.1	21.8	22.6	25.4	26.1	26.1	26.8	27.6
8H	4H	20.4	21.2	21.1	21.8	22.6	22.9	23.6	23.5	24.3	25.0
	6H	21.0	21.6	21.7	22.3	23.1	24.4	25.0	25.0	25.7	26.4
	8H	21.2	21.8	21.9	22.5	23.3	25.2	25.8	25.9	26.5	27.2
	12H	21.4	21.9	22.1	22.6	23.4	26.2	26.7	26.9	27.4	28.2
12H	4H	20.6	21.3	21.3	22.0	22.7	22.9	23.6	23.6	24.2	25.0
	6H	21.3	21.8	22.0	22.5	23.3	24.4	25.0	25.1	25.6	26.5
	8H	21.6	22.1	22.3	22.8	23.6	25.3	25.8	26.0	26.5	27.3

Maximum UGR = 28.2

POLAR GRAPH



Maximum Candela = 1087.832 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.)