

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-2-L32-830-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-2-L32-830-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	2907
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	21.3
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)	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	12348	11152	11186
55	10600	9507	9820
65	8787	8093	8752
75	6847	7001	8180
85	4504	6745	8643

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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	940.725	940.725	940.725	940.725	940.725
0.5	936.263	939.832	940.427	940.130	946.375
1.0	936.263	940.130	940.130	939.832	946.078
1.5	935.371	940.130	939.832	939.535	946.375
2.0	935.074	939.237	939.832	939.237	945.483
2.5	935.074	939.237	938.940	938.940	944.888
3.0	934.181	938.345	938.345	938.345	944.294
3.5	933.587	937.453	937.453	937.750	943.699
4.0	932.992	936.858	936.858	936.561	943.104
4.5	931.505	935.966	936.263	935.966	942.212
5.0	930.612	935.074	935.074	935.074	941.319
5.5	929.423	933.884	933.884	934.181	940.130
6.0	928.828	932.397	932.694	932.694	938.940
6.5	926.746	931.207	931.505	931.505	937.453
7.0	925.556	929.720	930.018	929.720	936.263
7.5	924.367	927.936	928.531	928.531	934.776
8.0	922.880	926.746	926.746	926.746	932.694
8.5	921.393	924.664	925.259	925.259	930.910
9.0	919.013	923.177	923.474	923.177	928.828
9.5	917.526	921.095	921.095	921.095	927.638
10.0	915.147	918.716	918.716	919.311	925.259
10.5	913.065	916.634	916.931	916.931	923.177
11.0	910.983	914.552	914.849	914.552	920.798
11.5	908.306	912.173	912.768	912.173	918.716
12.0	905.927	909.496	910.091	910.091	916.039
12.5	903.548	906.819	907.711	907.117	913.660
13.0	900.871	904.440	905.035	904.737	910.983
13.5	898.194	901.466	902.061	902.061	908.604
14.0	894.923	898.492	899.086	899.086	905.332
14.5	892.246	895.517	896.112	896.112	902.953
15.0	889.569	892.543	892.841	892.841	899.384
15.5	886.298	888.974	889.867	889.867	895.815
16.0	882.729	885.703	886.595	886.595	892.841
16.5	879.754	882.134	883.026	883.323	889.569
17.0	875.591	878.267	879.457	879.754	886.000
17.5	872.022	874.698	875.888	876.185	882.431
18.0	868.750	871.129	872.022	872.914	879.160
18.5	864.884	867.560	868.453	869.047	875.293
19.0	861.017	863.099	864.586	865.181	871.129
19.5	856.556	859.530	860.720	861.909	867.263
20.0	851.797	855.069	856.556	857.448	863.099
20.5	847.039	851.203	852.392	853.582	859.233
21.0	843.172	846.444	847.336	849.715	855.069
21.5	838.711	841.983	843.470	844.659	850.608
22.0	833.952	837.819	839.306	840.496	846.741
22.5	829.789	832.465	834.547	836.332	842.280
23.0	824.733	827.707	829.789	831.573	837.521
23.5	819.379	822.651	825.327	827.112	833.060
24.0	814.026	817.595	820.271	822.353	828.302
24.5	809.564	812.539	815.513	817.297	822.948
25.0	804.508	807.483	810.754	812.539	818.189
25.5	798.857	802.426	805.103	807.780	812.539
26.0	793.504	796.776	800.345	802.724	808.077
26.5	787.853	791.125	795.288	797.370	803.021

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**CANDELA TABULATION - (Cont.)**

27.0	782.202	785.176	790.232	792.909	797.965
27.5	775.659	779.525	784.582	786.961	792.909
28.0	770.900	773.875	778.931	781.607	787.258
28.5	764.655	768.224	773.280	775.956	781.607
29.0	758.706	762.275	767.331	770.603	776.254
29.5	752.461	756.030	761.383	764.655	770.306
30.0	746.215	750.081	755.435	759.599	765.250
30.5	739.672	743.538	749.784	753.948	759.301
31.0	733.426	737.292	743.538	747.999	753.056
31.5	726.883	731.344	737.590	742.349	747.702
32.0	720.637	724.504	731.642	736.103	741.456
32.5	713.797	717.961	725.396	730.155	735.508
33.0	707.254	711.715	718.555	724.206	729.560
33.5	701.008	705.172	712.607	717.663	723.314
34.0	693.572	698.331	706.064	711.715	717.663
34.5	686.732	691.788	699.818	705.172	711.120
35.0	680.486	684.650	693.572	699.223	704.874
35.5	672.456	678.107	686.732	692.680	698.331
36.0	666.210	670.969	680.189	686.137	692.085
36.5	658.477	663.831	673.348	679.891	686.137
37.0	651.339	656.990	666.508	673.051	679.891
37.5	643.904	649.555	659.965	667.102	673.051
38.0	636.469	642.417	652.827	660.262	665.913
38.5	628.736	634.982	645.986	654.016	659.370
39.0	621.895	627.546	638.848	647.176	654.016
39.5	614.163	620.706	632.007	640.335	646.878
40.0	605.835	612.973	624.870	634.089	640.038
40.5	598.102	605.538	618.029	627.546	633.495
41.0	590.964	598.102	610.891	620.706	626.654
41.5	583.231	590.667	603.753	613.865	620.111
42.0	575.499	583.231	596.615	607.322	613.568
42.5	568.063	575.499	589.180	600.481	606.727
43.0	559.736	568.063	582.339	593.938	600.184
43.5	552.598	560.330	574.904	587.098	593.641
44.0	544.567	552.598	567.468	580.555	586.800
44.5	537.132	545.162	560.033	573.417	579.960
45.0	529.399	537.429	552.895	567.171	573.714
45.5	521.666	529.994	545.757	560.628	567.171
46.0	513.934	522.261	538.024	553.490	560.330
46.5	506.201	514.528	531.481	547.542	553.787
47.0	498.171	507.093	524.046	540.404	547.244
47.5	490.438	499.360	516.610	533.563	540.404
48.0	483.002	491.627	509.175	527.317	533.563
48.5	474.675	484.192	502.334	520.179	527.020
49.0	467.239	476.162	494.602	513.339	520.179
49.5	459.507	468.726	487.464	506.796	513.636
50.0	451.476	460.994	480.326	499.658	506.796
50.5	444.041	453.558	472.890	493.709	500.550
51.0	436.308	445.826	466.347	486.869	494.007
51.5	428.873	438.093	458.912	480.326	487.464
52.0	420.843	430.657	451.774	473.485	480.921
52.5	413.110	422.925	444.933	466.645	474.675
53.0	405.080	415.489	437.795	460.696	467.834
53.5	397.347	408.054	430.955	453.856	461.589
54.0	389.911	400.618	424.114	447.313	455.343
54.5	382.773	392.886	417.274	441.364	449.097

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**CANDELA TABULATION - (Cont.)**

55.0	375.338	385.748	410.433	434.524	443.446
55.5	369.092	378.312	403.593	428.278	436.606
56.0	361.954	371.769	397.049	422.032	430.360
56.5	354.519	364.929	390.209	415.787	424.412
57.0	347.381	358.088	383.666	409.541	418.166
57.5	339.946	350.950	378.015	403.593	411.325
58.0	332.510	343.812	371.472	397.049	406.269
58.5	325.372	336.674	364.929	391.399	400.321
59.0	318.234	329.536	358.683	386.342	394.075
59.5	311.096	322.696	353.032	380.097	389.317
60.0	303.958	315.558	346.786	374.148	383.368
60.5	296.969	308.717	340.541	368.498	377.420
61.0	289.950	301.877	334.295	362.847	371.769
61.5	282.991	295.095	328.049	357.196	366.416
62.0	276.150	288.374	322.101	351.842	360.765
62.5	269.399	281.712	315.855	346.489	355.411
63.0	262.558	275.079	309.907	340.838	350.653
63.5	255.777	268.536	304.256	335.484	345.299
64.0	249.175	262.082	298.308	329.834	339.946
64.5	242.602	255.777	292.657	324.480	334.592
65.0	236.088	249.442	286.976	319.127	329.536
65.5	229.664	243.256	281.355	313.773	324.183
66.0	223.151	237.070	275.793	308.420	319.127
66.5	216.786	231.032	270.261	303.364	314.071
67.0	210.570	225.054	264.759	298.010	309.014
67.5	204.324	219.165	259.376	293.014	303.958
68.0	198.168	213.425	254.022	287.957	299.200
68.5	192.101	207.715	248.788	283.050	294.233
69.0	186.063	202.064	243.613	278.113	289.534
69.5	180.115	196.532	238.497	273.325	284.864
70.0	174.196	191.089	233.471	268.625	280.225
70.5	168.426	185.706	228.445	263.926	275.644
71.0	162.716	180.382	223.508	259.287	271.124
71.5	157.065	175.178	218.689	254.766	266.663
72.0	151.533	169.943	213.871	250.275	262.320
72.5	145.971	164.887	209.172	245.873	258.008
73.0	140.558	159.861	204.503	241.531	253.665
73.5	135.294	154.894	199.982	237.218	249.442
74.0	130.089	150.076	195.402	233.055	245.189
74.5	124.974	145.228	191.030	228.921	241.174
75.0	119.888	140.499	186.688	224.876	237.278
75.5	114.892	135.889	182.405	220.861	233.322
76.0	110.044	131.368	178.241	216.875	229.456
76.5	105.226	126.907	174.107	212.979	225.589
77.0	100.467	122.476	170.032	209.113	221.842
77.5	95.797	118.163	166.017	205.365	218.124
78.0	91.188	113.940	162.121	201.677	214.466
78.5	86.667	109.776	158.255	197.960	210.838
79.0	82.235	105.731	154.507	194.361	207.269
79.5	77.834	101.716	150.819	190.851	203.700
80.0	73.491	97.760	147.131	187.372	200.309
80.5	69.268	93.924	143.562	183.862	196.859
81.0	65.164	90.147	140.142	180.472	193.498
81.5	61.000	86.459	136.722	177.111	190.138
82.0	56.985	82.860	133.391	173.869	186.896
82.5	53.059	79.321	130.119	170.627	183.713

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**CANDELA TABULATION - (Cont.)**

83.0	49.192	75.871	126.907	167.504	180.620
83.5	45.356	72.510	123.844	164.322	177.408
84.0	41.608	69.238	120.870	161.318	174.345
84.5	37.891	66.086	117.955	158.344	171.341
85.0	34.322	63.022	115.100	155.399	168.337
85.5	30.753	60.108	112.304	152.544	165.422
86.0	27.243	57.312	109.568	149.749	162.537
86.5	23.763	54.695	106.980	146.953	159.653
87.0	20.343	52.167	104.363	144.306	156.827
87.5	16.923	49.817	101.894	141.629	154.121
88.0	13.532	47.527	99.456	139.042	151.384
88.5	10.112	45.386	97.106	136.484	148.737
89.0	6.989	43.363	94.875	134.015	146.120
89.5	4.431	41.489	92.704	131.636	143.562
90.0	2.647	39.824	90.712	129.376	141.213
90.5	1.874	38.367	88.868	127.115	138.714
91.0	1.993	37.028	86.994	124.825	136.335
91.5	2.379	35.749	85.120	122.654	133.956
92.0	2.825	34.679	83.336	120.453	131.636
92.5	3.301	33.757	81.819	118.342	129.346
93.0	3.777	32.954	80.243	116.349	127.145
93.5	4.283	32.329	78.756	114.386	125.063
94.0	4.818	31.794	77.358	112.542	123.041
94.5	5.324	31.407	76.049	110.668	120.959
95.0	5.829	31.110	74.830	108.824	118.966
95.5	6.305	30.901	73.700	107.070	117.003
96.0	6.692	30.812	72.718	105.374	115.070
96.5	7.078	30.812	71.737	103.798	113.285
97.0	7.435	30.842	70.844	102.281	111.501
97.5	7.822	30.961	70.012	100.824	109.865
98.0	8.149	31.080	69.268	99.396	108.200
98.5	8.536	31.229	68.643	98.028	106.653
99.0	8.922	31.407	67.989	96.749	105.136
99.5	9.339	31.615	67.424	95.530	103.649
100.0	9.696	31.823	66.978	94.400	102.311
100.5	10.112	32.061	66.532	93.299	100.943
101.0	10.469	32.299	66.205	92.258	99.723
101.5	10.826	32.537	65.877	91.277	98.474
102.0	11.153	32.775	65.640	90.355	97.374
102.5	11.480	33.013	65.402	89.492	96.273
103.0	11.807	33.281	65.223	88.630	95.292
103.5	12.164	33.548	65.074	87.886	94.281
104.0	12.551	33.786	64.926	87.202	93.359
104.5	12.938	34.054	64.837	86.548	92.496
105.0	13.294	34.322	64.747	85.953	91.663
105.5	13.622	34.560	64.658	85.328	90.950
106.0	14.008	34.857	64.628	84.793	90.236
106.5	14.365	35.125	64.628	84.287	89.522
107.0	14.722	35.422	64.628	83.812	88.927
107.5	15.049	35.660	64.628	83.455	88.303
108.0	15.466	35.958	64.628	83.038	87.678
108.5	15.852	36.255	64.658	82.741	87.262
109.0	16.239	36.493	64.718	82.354	86.845
109.5	16.655	36.761	64.747	82.087	86.399
110.0	17.072	37.028	64.807	81.789	86.042
110.5	17.488	37.296	64.866	81.522	85.715

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**CANDELA TABULATION - (Cont.)**

111.0	17.904	37.564	64.896	81.284	85.358
111.5	18.321	37.801	64.926	81.105	85.061
112.0	18.767	38.069	64.985	80.927	84.704
112.5	19.213	38.337	65.045	80.719	84.377
113.0	19.689	38.605	65.134	80.570	84.228
113.5	20.135	38.842	65.134	80.421	84.020
114.0	20.611	39.080	65.193	80.302	83.812
114.5	21.057	39.348	65.253	80.153	83.633
115.0	21.533	39.556	65.312	80.064	83.484
115.5	22.009	39.824	65.312	79.975	83.336
116.0	22.455	40.062	65.402	79.856	83.157
116.5	22.871	40.300	65.461	79.737	83.098
117.0	23.347	40.567	65.521	79.737	82.949
117.5	23.793	40.776	65.580	79.618	82.860
118.0	24.180	40.984	65.640	79.559	82.741
118.5	24.626	41.192	65.669	79.469	82.711
119.0	25.013	41.400	65.729	79.380	82.533
119.5	25.429	41.549	65.788	79.291	82.503
120.0	25.816	41.698	65.759	79.231	82.354
120.5	26.202	41.876	65.788	79.112	82.325
121.0	26.589	41.995	65.848	79.023	82.206
121.5	27.005	42.144	65.818	78.904	82.146
122.0	27.392	42.322	65.818	78.845	82.057
122.5	27.779	42.501	65.848	78.726	81.849
123.0	28.165	42.679	65.818	78.607	81.819
123.5	28.522	42.828	65.759	78.518	81.640
124.0	28.820	42.947	65.759	78.428	81.611
124.5	29.117	43.066	65.759	78.280	81.492
125.0	29.414	43.214	65.699	78.131	81.373
125.5	29.712	43.304	65.640	78.042	81.224
126.0	29.979	43.423	65.610	77.863	81.105
126.5	30.217	43.571	65.550	77.744	81.016
127.0	30.485	43.631	65.491	77.596	80.897
127.5	30.693	43.720	65.402	77.447	80.689
128.0	30.961	43.720	65.372	77.268	80.570
128.5	31.169	43.780	65.253	77.120	80.451
129.0	31.377	43.839	65.134	76.971	80.302
129.5	31.556	43.928	64.926	76.733	80.124
130.0	31.704	43.988	64.718	76.584	79.945
130.5	31.853	44.047	64.480	76.406	79.737
131.0	31.942	44.136	64.242	76.138	79.529
131.5	32.061	44.226	64.004	75.900	79.321
132.0	32.180	44.315	63.736	75.752	79.142
132.5	32.240	44.345	63.439	75.454	78.875
133.0	32.329	44.374	63.320	75.187	78.547
133.5	32.359	44.345	63.141	74.978	78.399
134.0	32.389	44.285	63.022	74.740	78.190
134.5	32.478	44.166	62.874	74.473	77.804
135.0	32.567	44.077	62.695	74.116	77.506
135.5	32.537	43.839	62.546	73.878	77.268
136.0	32.597	43.809	62.338	73.581	76.971
136.5	32.656	43.720	62.190	73.253	76.674
137.0	32.686	43.571	61.952	72.986	76.347
137.5	32.716	43.423	61.743	72.629	76.049
138.0	32.775	43.333	61.446	72.331	75.692
138.5	32.775	43.214	61.059	72.004	75.425

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**PHOTOMETRIC FILENAME : 75W-2-L32-830-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	32.745	43.125	60.613	71.618	75.008
139.5	32.745	43.006	60.078	71.201	74.711
140.0	32.745	42.858	59.483	70.815	74.294
140.5	32.745	42.768	58.948	70.339	73.848
141.0	32.745	42.709	58.353	69.833	73.491
141.5	32.745	42.590	57.758	69.387	73.134
142.0	32.716	42.530	57.193	68.822	72.748
142.5	32.686	42.441	56.598	68.316	72.302
143.0	32.656	42.352	56.033	67.840	71.856
143.5	32.656	42.233	55.379	67.335	71.439
144.0	32.656	42.084	54.814	66.948	70.963
144.5	32.745	41.965	54.249	66.502	70.547
145.0	32.864	41.846	53.624	66.115	70.071
145.5	33.073	41.698	53.059	65.729	69.595
146.0	33.340	41.579	52.524	65.312	69.149
146.5	33.608	41.460	52.077	64.866	68.643
147.0	33.876	41.311	51.572	64.420	68.138
147.5	34.114	41.252	51.185	63.974	67.632
148.0	34.381	41.133	50.769	63.468	67.097
148.5	34.619	41.103	50.442	62.993	66.562
149.0	34.917	41.103	50.085	62.517	66.086
149.5	35.125	41.192	49.758	62.011	65.491
150.0	35.363	41.252	49.430	61.535	64.866
150.5	35.571	41.281	49.074	61.000	64.212
151.0	35.720	41.370	48.598	60.465	63.439
151.5	35.868	41.400	48.092	59.899	62.725
152.0	36.047	41.460	47.616	59.305	62.011
152.5	36.225	41.519	47.170	58.680	61.238
153.0	36.344	41.549	46.694	57.966	60.613
153.5	36.493	41.638	46.189	57.223	59.899
154.0	36.612	41.608	45.742	56.390	59.305
154.5	36.761	41.638	45.356	55.587	58.710
155.0	36.820	41.698	44.969	54.665	58.264
155.5	36.939	41.727	44.583	53.802	57.788
156.0	37.028	41.727	44.315	52.880	57.371
156.5	37.177	41.727	44.047	51.958	56.836
157.0	37.236	41.787	43.780	51.126	56.330
157.5	37.326	41.787	43.601	50.323	55.765
158.0	37.445	41.757	43.512	49.490	55.230
158.5	37.474	41.757	43.393	48.806	54.605
159.0	37.623	41.668	43.304	48.152	54.070
159.5	37.742	41.608	43.155	47.527	53.475
160.0	37.891	41.549	43.006	47.021	52.880
160.5	38.069	41.519	42.887	46.545	52.315
161.0	38.188	41.430	42.858	46.040	51.750
161.5	38.367	41.400	42.798	45.534	51.334
162.0	38.515	41.341	42.887	45.118	50.977
162.5	38.664	41.341	42.947	44.672	50.561
163.0	38.842	41.311	42.977	44.196	50.204
163.5	38.991	41.311	43.036	43.690	49.758
164.0	39.051	41.311	43.095	43.066	49.341
164.5	39.140	41.252	43.036	42.590	48.806
165.0	39.229	41.252	42.947	42.114	48.271
165.5	39.318	41.222	42.858	41.787	47.705
166.0	39.408	41.192	42.798	41.430	46.843
166.5	39.497	41.192	42.709	41.133	46.427

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-2-L32-830-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	39.616	41.192	42.620	40.865	46.099
<b>167.5</b>	39.675	41.192	42.441	40.627	45.772
<b>168.0</b>	39.764	41.192	42.292	40.389	45.505
<b>168.5</b>	39.943	41.073	42.084	40.181	45.177
<b>169.0</b>	40.032	41.103	41.936	39.973	44.850
<b>169.5</b>	40.181	41.014	41.698	39.735	44.493
<b>170.0</b>	40.240	40.984	41.489	39.437	44.166
<b>170.5</b>	40.330	40.924	41.222	39.110	43.809
<b>171.0</b>	40.389	40.865	40.924	38.753	43.363
<b>171.5</b>	40.478	40.865	40.657	38.426	43.006
<b>172.0</b>	40.627	40.805	40.508	38.099	42.471
<b>172.5</b>	40.716	40.805	40.330	37.742	41.876
<b>173.0</b>	40.835	40.746	40.181	37.415	40.865
<b>173.5</b>	40.984	40.776	40.121	37.088	39.348
<b>174.0</b>	41.103	40.776	40.092	36.820	37.474
<b>174.5</b>	41.192	40.776	40.032	36.552	35.244
<b>175.0</b>	41.370	40.865	40.002	36.344	32.716
<b>175.5</b>	41.430	40.895	39.973	36.255	30.069
<b>176.0</b>	41.549	40.954	39.973	36.166	28.344
<b>176.5</b>	41.579	40.984	39.943	36.166	27.124
<b>177.0</b>	41.698	41.043	39.883	36.076	25.875
<b>177.5</b>	41.727	41.043	39.794	36.047	25.607
<b>178.0</b>	41.846	41.103	39.764	36.017	25.667
<b>178.5</b>	41.906	41.133	39.794	35.958	25.726
<b>179.0</b>	41.965	41.133	39.764	35.868	25.756
<b>179.5</b>	42.025	41.133	39.735	35.839	25.786
<b>180.0</b>	37.683	37.683	37.683	37.683	37.683



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

Zone	Lumens	%Lamp	%Fixt
0-20	340.50	N.A.	11.70
0-30	713.47	N.A.	24.50
0-40	1146.09	N.A.	39.40
0-60	1939.61	N.A.	66.70
0-80	2416.4	N.A.	83.10
0-90	2536.32	N.A.	87.30
10-90	2447.55	N.A.	84.20
20-40	805.59	N.A.	27.70
20-50	1231.61	N.A.	42.40
40-70	1076.18	N.A.	37.00
60-80	476.80	N.A.	16.40
70-80	194.13	N.A.	6.70
80-90	119.91	N.A.	4.10
90-110	140.06	N.A.	4.80
90-120	199.02	N.A.	6.80
90-130	253.29	N.A.	8.70
90-150	332.52	N.A.	11.40
90-180	370.40	N.A.	12.70
110-180	230.34	N.A.	7.90
0-180	2906.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	88.77
10-20	251.73
20-30	372.97
30-40	432.62
40-50	426.02
50-60	367.49
60-70	282.66
70-80	194.13
80-90	119.91
90-100	76.83
100-110	63.23
110-120	58.96
120-130	54.27
130-140	45.60
140-150	33.63
150-160	21.99
160-170	12.12
170-180	3.77

**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	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-L32-830-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

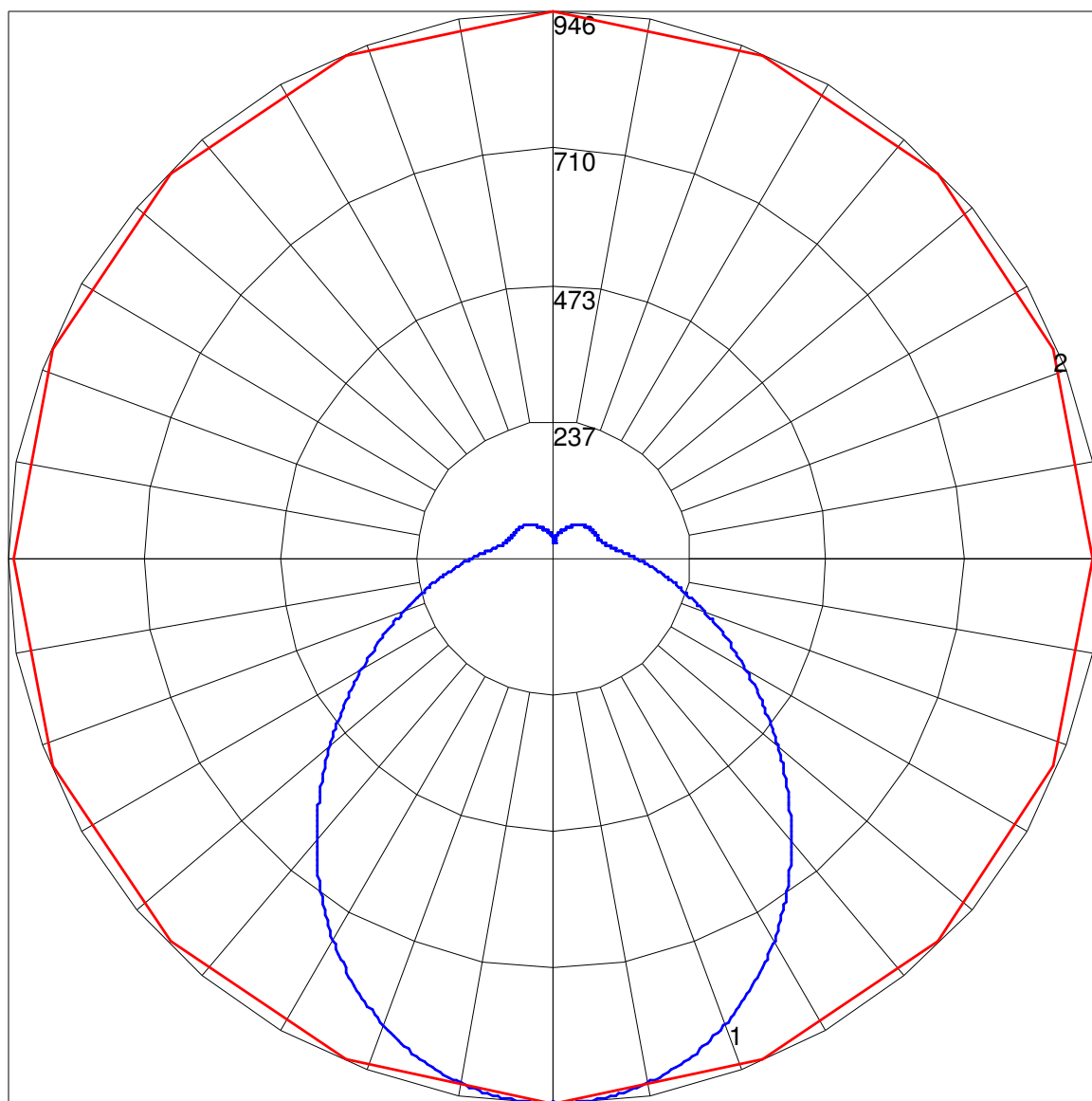
Reflectances

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	17.8	19.2	18.4	19.8	20.4	19.4	20.8	20.0	21.4	22.0
	3H	19.2	20.4	19.8	21.0	21.7	21.6	22.8	22.2	23.4	24.1
	4H	19.6	20.8	20.2	21.4	22.1	22.6	23.8	23.2	24.4	25.1
	6H	19.9	21.0	20.5	21.6	22.3	23.7	24.8	24.3	25.4	26.1
	8H	20.0	21.1	20.6	21.7	22.4	24.3	25.3	24.9	26.0	26.6
	12H	20.1	21.0	20.7	21.7	22.4	24.9	25.9	25.5	26.5	27.2
4H	2H	18.6	19.7	19.2	20.3	21.0	19.8	21.0	20.4	21.6	22.3
	3H	20.2	21.2	20.8	21.8	22.5	22.3	23.2	22.9	23.9	24.6
	4H	20.7	21.6	21.4	22.3	23.0	23.5	24.4	24.1	25.0	25.7
	6H	21.1	21.9	21.8	22.6	23.3	24.8	25.5	25.4	26.2	26.9
	8H	21.3	22.0	21.9	22.7	23.4	25.4	26.2	26.1	26.8	27.6
	12H	21.3	22.0	22.0	22.7	23.4	26.2	26.8	26.8	27.5	28.3
8H	4H	21.3	22.0	21.9	22.7	23.4	23.7	24.4	24.3	25.1	25.8
	6H	21.9	22.5	22.5	23.2	23.9	25.1	25.8	25.8	26.5	27.2
	8H	22.1	22.6	22.8	23.3	24.1	25.9	26.5	26.6	27.2	28.0
	12H	22.2	22.7	22.9	23.4	24.2	26.9	27.4	27.6	28.1	28.9
12H	4H	21.4	22.1	22.1	22.8	23.5	23.7	24.3	24.3	25.0	25.8
	6H	22.1	22.7	22.8	23.4	24.2	25.2	25.7	25.9	26.4	27.2
	8H	22.4	22.9	23.1	23.6	24.4	26.1	26.6	26.8	27.2	28.1

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 946.375 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.)