

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-2-L32-840-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-L32-840-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	3024
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
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	12847	11603	11638
55	11029	9891	10217
65	9142	8420	9105
75	7124	7284	8511
85	4686	7017	8992

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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	978.734	978.734	978.734	978.734	978.734
0.5	974.092	977.805	978.424	978.115	984.613
1.0	974.092	978.115	978.115	977.805	984.303
1.5	973.164	978.115	977.805	977.496	984.613
2.0	972.854	977.187	977.805	977.187	983.685
2.5	972.854	977.187	976.877	976.877	983.066
3.0	971.926	976.258	976.258	976.258	982.447
3.5	971.307	975.330	975.330	975.639	981.828
4.0	970.688	974.711	974.711	974.402	981.209
4.5	969.141	973.783	974.092	973.783	980.281
5.0	968.213	972.854	972.854	972.854	979.353
5.5	966.975	971.617	971.617	971.926	978.115
6.0	966.356	970.070	970.379	970.379	976.877
6.5	964.190	968.832	969.141	969.141	975.330
7.0	962.953	967.285	967.594	967.285	974.092
7.5	961.715	965.428	966.047	966.047	972.545
8.0	960.168	964.190	964.190	964.190	970.379
8.5	958.621	962.024	962.643	962.643	968.522
9.0	956.145	960.477	960.787	960.477	966.356
9.5	954.598	958.311	958.311	958.311	965.119
10.0	952.123	955.836	955.836	956.455	962.643
10.5	949.957	953.670	953.979	953.979	960.477
11.0	947.790	951.504	951.813	951.504	958.002
11.5	945.006	949.028	949.647	949.028	955.836
12.0	942.530	946.243	946.862	946.862	953.051
12.5	940.055	943.458	944.387	943.768	950.575
13.0	937.270	940.983	941.602	941.292	947.790
13.5	934.485	937.889	938.508	938.508	945.315
14.0	931.081	934.794	935.413	935.413	941.911
14.5	928.296	931.700	932.319	932.319	939.436
15.0	925.511	928.606	928.915	928.915	935.723
15.5	922.108	924.893	925.821	925.821	932.009
16.0	918.394	921.489	922.417	922.417	928.915
16.5	915.300	917.776	918.704	919.013	925.511
17.0	910.968	913.753	914.991	915.300	921.798
17.5	907.255	910.040	911.278	911.587	918.085
18.0	903.851	906.327	907.255	908.183	914.681
18.5	899.829	902.613	903.542	904.161	910.659
19.0	895.806	897.972	899.519	900.138	906.327
19.5	891.164	894.259	895.496	896.734	902.304
20.0	886.214	889.617	891.164	892.093	897.972
20.5	881.263	885.595	886.832	888.070	893.949
21.0	877.240	880.644	881.572	884.047	889.617
21.5	872.598	876.002	877.549	878.787	884.976
22.0	867.648	871.670	873.217	874.455	880.953
22.5	863.316	866.100	868.266	870.123	876.312
23.0	858.055	861.150	863.316	865.172	871.361
23.5	852.485	855.889	858.674	860.531	866.719
24.0	846.916	850.629	853.414	855.580	861.768
24.5	842.274	845.368	848.463	850.319	856.199
25.0	837.014	840.108	843.512	845.368	851.248
25.5	831.135	834.848	837.633	840.418	845.368
26.0	825.565	828.969	832.682	835.157	840.727
26.5	819.686	823.089	827.421	829.587	835.467

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**CANDELA TABULATION - (Cont.)**

27.0	813.806	816.901	822.161	824.946	830.206
27.5	806.999	811.022	816.282	818.757	824.946
28.0	802.048	805.142	810.403	813.188	819.067
28.5	795.550	799.263	804.523	807.308	813.188
29.0	789.361	793.074	798.335	801.739	807.618
29.5	782.863	786.576	792.146	795.550	801.429
30.0	776.365	780.388	785.958	790.290	796.169
30.5	769.558	773.580	780.078	784.410	789.980
31.0	763.060	767.082	773.580	778.222	783.482
31.5	756.252	760.894	767.392	772.342	777.912
32.0	749.754	753.777	761.203	765.844	771.414
32.5	742.637	746.969	754.705	759.656	765.226
33.0	735.830	740.471	747.588	753.467	759.037
33.5	729.331	733.663	741.399	746.660	752.539
34.0	721.596	726.547	734.592	740.471	746.660
34.5	714.479	719.739	728.094	733.663	739.852
35.0	707.981	712.313	721.596	727.475	733.354
35.5	699.626	705.505	714.479	720.667	726.547
36.0	693.128	698.079	707.671	713.860	720.048
36.5	685.083	690.652	700.554	707.362	713.860
37.0	677.656	683.535	693.437	700.245	707.362
37.5	669.920	675.800	686.630	694.056	700.245
38.0	662.185	668.373	679.203	686.939	692.818
38.5	654.139	660.638	672.086	680.441	686.011
39.0	647.022	652.902	664.660	673.324	680.441
39.5	638.977	645.785	657.543	666.207	673.015
40.0	630.313	637.740	650.117	659.709	665.898
40.5	622.268	630.004	643.000	652.902	659.090
41.0	614.842	622.268	635.574	645.785	651.973
41.5	606.796	614.532	628.147	638.668	645.166
42.0	598.751	606.796	620.721	631.860	638.358
42.5	591.015	598.751	612.985	624.743	631.241
43.0	582.351	591.015	605.868	617.936	624.434
43.5	574.925	582.970	598.132	610.819	617.626
44.0	566.570	574.925	590.396	604.011	610.510
44.5	558.834	567.189	582.661	596.585	603.393
45.0	550.789	559.144	575.234	590.087	596.895
45.5	542.744	551.408	567.808	583.279	590.087
46.0	534.699	543.363	559.763	575.853	582.970
46.5	526.653	535.318	552.955	569.664	576.163
47.0	518.299	527.582	545.219	562.238	569.355
47.5	510.254	519.536	537.484	555.121	562.238
48.0	502.518	511.491	529.748	548.623	555.121
48.5	493.854	503.755	522.631	541.197	548.314
49.0	486.118	495.401	514.586	534.080	541.197
49.5	478.073	487.665	507.159	527.272	534.389
50.0	469.718	479.620	499.733	519.846	527.272
50.5	461.982	471.884	491.997	513.657	520.774
51.0	453.937	463.839	485.190	506.540	513.967
51.5	446.201	455.793	477.454	499.733	507.159
52.0	437.846	448.058	470.027	492.616	500.352
52.5	429.801	440.012	462.910	485.499	493.854
53.0	421.447	432.277	455.484	479.310	486.737
53.5	413.401	424.541	448.367	472.193	480.239
54.0	405.665	416.805	441.250	465.386	473.741
54.5	398.239	408.760	434.133	459.197	467.242

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**CANDELA TABULATION - (Cont.)**

55.0	390.503	401.333	427.016	452.080	461.363
55.5	384.005	393.598	419.899	445.582	454.246
56.0	376.579	386.790	413.092	439.084	447.748
56.5	368.843	379.673	405.975	432.586	441.560
57.0	361.417	372.556	399.167	426.088	435.062
57.5	353.681	365.130	393.288	419.899	427.945
58.0	345.945	357.703	386.481	413.092	422.684
58.5	338.519	350.277	379.673	407.213	416.496
59.0	331.092	342.851	373.175	401.952	409.998
59.5	323.666	335.734	367.296	395.454	405.047
60.0	316.240	328.307	360.798	389.266	398.858
60.5	308.968	321.191	354.300	383.386	392.669
61.0	301.665	314.074	347.802	377.507	386.790
61.5	294.425	307.019	341.304	371.628	381.220
62.0	287.308	300.025	335.115	366.058	375.341
62.5	280.284	293.094	328.617	360.488	369.771
63.0	273.167	286.194	322.428	354.609	364.820
63.5	266.112	279.386	316.549	349.039	359.251
64.0	259.242	272.672	310.360	343.160	353.681
64.5	252.404	266.112	304.481	337.590	348.111
65.0	245.627	259.521	298.571	332.021	342.851
65.5	238.943	253.085	292.723	326.451	337.281
66.0	232.167	246.648	286.936	320.881	332.021
66.5	225.545	240.367	281.181	315.621	326.760
67.0	219.078	234.147	275.456	310.051	321.500
67.5	212.580	228.021	269.856	304.852	316.240
68.0	206.175	222.048	264.286	299.592	311.289
68.5	199.862	216.107	258.840	294.487	306.121
69.0	193.581	210.228	253.456	289.350	301.232
69.5	187.392	204.473	248.134	284.368	296.374
70.0	181.234	198.810	242.904	279.479	291.547
70.5	175.231	193.209	237.675	274.590	286.782
71.0	169.290	187.671	232.538	269.763	282.078
71.5	163.411	182.256	227.525	265.060	277.437
72.0	157.656	176.809	222.513	260.387	272.919
72.5	151.869	171.549	217.624	255.808	268.432
73.0	146.238	166.320	212.766	251.290	263.915
73.5	140.761	161.152	208.062	246.803	259.521
74.0	135.346	156.139	203.297	242.471	255.096
74.5	130.023	151.096	198.748	238.170	250.918
75.0	124.732	146.176	194.231	233.962	246.865
75.5	119.534	141.380	189.775	229.784	242.749
76.0	114.490	136.676	185.443	225.638	238.727
76.5	109.477	132.035	181.142	221.584	234.704
77.0	104.526	127.424	176.902	217.562	230.805
77.5	99.668	122.937	172.725	213.663	226.937
78.0	94.872	118.543	168.671	209.826	223.131
78.5	90.169	114.211	164.649	205.958	219.356
79.0	85.558	110.003	160.750	202.214	215.643
79.5	80.978	105.826	156.913	198.563	211.930
80.0	76.461	101.710	153.076	194.942	208.403
80.5	72.067	97.719	149.363	191.291	204.813
81.0	67.797	93.789	145.804	187.763	201.317
81.5	63.465	89.952	142.246	184.267	197.820
82.0	59.287	86.208	138.780	180.894	194.447
82.5	55.203	82.526	135.377	177.521	191.136

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**CANDELA TABULATION - (Cont.)**

83.0	51.180	78.936	132.035	174.272	187.918
83.5	47.188	75.440	128.848	170.961	184.576
84.0	43.290	72.036	125.753	167.836	181.389
84.5	39.422	68.756	122.721	164.742	178.264
85.0	35.708	65.569	119.750	161.678	175.139
85.5	31.995	62.536	116.842	158.708	172.106
86.0	28.344	59.628	113.995	155.799	169.105
86.5	24.724	56.905	111.303	152.890	166.103
87.0	21.165	54.274	108.580	150.136	163.164
87.5	17.607	51.830	106.011	147.352	160.348
88.0	14.079	49.447	103.474	144.660	157.501
88.5	10.521	47.219	101.030	141.998	154.747
89.0	7.272	45.115	98.709	139.430	152.024
89.5	4.611	43.166	96.450	136.955	149.363
90.0	2.754	41.433	94.377	134.603	146.918
90.5	1.949	39.917	92.458	132.251	144.319
91.0	2.073	38.524	90.509	129.869	141.844
91.5	2.475	37.194	88.559	127.610	139.368
92.0	2.940	36.080	86.703	125.320	136.955
92.5	3.435	35.121	85.125	123.123	134.572
93.0	3.930	34.285	83.485	121.050	132.282
93.5	4.456	33.635	81.938	119.008	130.116
94.0	5.013	33.078	80.483	117.089	128.012
94.5	5.539	32.676	79.122	115.140	125.846
95.0	6.065	32.367	77.853	113.221	123.773
95.5	6.560	32.150	76.677	111.396	121.731
96.0	6.962	32.057	75.656	109.632	119.719
96.5	7.364	32.057	74.635	107.992	117.863
97.0	7.736	32.088	73.707	106.414	116.006
97.5	8.138	32.212	72.840	104.897	114.304
98.0	8.478	32.336	72.067	103.412	112.571
98.5	8.881	32.490	71.417	101.989	110.962
99.0	9.283	32.676	70.736	100.658	109.384
99.5	9.716	32.893	70.148	99.390	107.837
100.0	10.087	33.109	69.684	98.214	106.445
100.5	10.521	33.357	69.220	97.069	105.021
101.0	10.892	33.604	68.880	95.986	103.753
101.5	11.263	33.852	68.539	94.965	102.453
102.0	11.604	34.099	68.292	94.005	101.308
102.5	11.944	34.347	68.044	93.108	100.163
103.0	12.284	34.625	67.858	92.211	99.142
103.5	12.656	34.904	67.704	91.437	98.090
104.0	13.058	35.151	67.549	90.725	97.131
104.5	13.460	35.430	67.456	90.045	96.233
105.0	13.832	35.708	67.363	89.426	95.367
105.5	14.172	35.956	67.271	88.776	94.624
106.0	14.574	36.265	67.240	88.219	93.882
106.5	14.946	36.544	67.240	87.693	93.139
107.0	15.317	36.853	67.240	87.198	92.520
107.5	15.657	37.101	67.240	86.827	91.870
108.0	16.090	37.410	67.240	86.393	91.221
108.5	16.493	37.720	67.271	86.084	90.787
109.0	16.895	37.967	67.332	85.682	90.354
109.5	17.328	38.246	67.363	85.403	89.890
110.0	17.761	38.524	67.425	85.094	89.519
110.5	18.195	38.803	67.487	84.815	89.178

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**CANDELA TABULATION - (Cont.)**

111.0	18.628	39.081	67.518	84.568	88.807
111.5	19.061	39.329	67.549	84.382	88.498
112.0	19.525	39.607	67.611	84.196	88.126
112.5	19.989	39.886	67.673	83.980	87.786
113.0	20.484	40.164	67.766	83.825	87.631
113.5	20.949	40.412	67.766	83.670	87.415
114.0	21.444	40.659	67.828	83.547	87.198
114.5	21.908	40.938	67.889	83.392	87.012
115.0	22.403	41.154	67.951	83.299	86.858
115.5	22.898	41.433	67.951	83.206	86.703
116.0	23.362	41.681	68.044	83.083	86.517
116.5	23.795	41.928	68.106	82.959	86.455
117.0	24.290	42.207	68.168	82.959	86.301
117.5	24.755	42.423	68.230	82.835	86.208
118.0	25.157	42.640	68.292	82.773	86.084
118.5	25.621	42.856	68.323	82.680	86.053
119.0	26.023	43.073	68.384	82.587	85.867
119.5	26.456	43.228	68.446	82.495	85.836
120.0	26.859	43.382	68.415	82.433	85.682
120.5	27.261	43.568	68.446	82.309	85.651
121.0	27.663	43.692	68.508	82.216	85.527
121.5	28.096	43.847	68.477	82.092	85.465
122.0	28.499	44.032	68.477	82.030	85.372
122.5	28.901	44.218	68.508	81.907	85.156
123.0	29.303	44.404	68.477	81.783	85.125
123.5	29.675	44.558	68.415	81.690	84.939
124.0	29.984	44.682	68.415	81.597	84.908
124.5	30.293	44.806	68.415	81.443	84.784
125.0	30.603	44.960	68.354	81.288	84.661
125.5	30.912	45.053	68.292	81.195	84.506
126.0	31.191	45.177	68.261	81.009	84.382
126.5	31.438	45.332	68.199	80.886	84.289
127.0	31.717	45.394	68.137	80.731	84.166
127.5	31.933	45.487	68.044	80.576	83.949
128.0	32.212	45.487	68.013	80.390	83.825
128.5	32.428	45.548	67.889	80.236	83.701
129.0	32.645	45.610	67.766	80.081	83.547
129.5	32.831	45.703	67.549	79.833	83.361
130.0	32.985	45.765	67.332	79.679	83.175
130.5	33.140	45.827	67.085	79.493	82.959
131.0	33.233	45.920	66.837	79.215	82.742
131.5	33.357	46.013	66.590	78.967	82.526
132.0	33.481	46.105	66.311	78.812	82.340
132.5	33.542	46.136	66.002	78.503	82.061
133.0	33.635	46.167	65.878	78.224	81.721
133.5	33.666	46.136	65.692	78.008	81.566
134.0	33.697	46.074	65.569	77.760	81.350
134.5	33.790	45.951	65.414	77.482	80.947
135.0	33.883	45.858	65.228	77.110	80.638
135.5	33.852	45.610	65.074	76.863	80.390
136.0	33.914	45.579	64.857	76.553	80.081
136.5	33.976	45.487	64.702	76.213	79.772
137.0	34.007	45.332	64.455	75.935	79.431
137.5	34.038	45.177	64.238	75.563	79.122
138.0	34.099	45.084	63.929	75.254	78.750
138.5	34.099	44.960	63.526	74.914	78.472

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**CANDELA TABULATION - (Cont.)**

139.0	34.068	44.868	63.062	74.511	78.039
139.5	34.068	44.744	62.505	74.078	77.729
140.0	34.068	44.589	61.886	73.676	77.296
140.5	34.068	44.496	61.329	73.181	76.832
141.0	34.068	44.434	60.711	72.655	76.461
141.5	34.068	44.311	60.092	72.191	76.089
142.0	34.038	44.249	59.504	71.603	75.687
142.5	34.007	44.156	58.885	71.077	75.223
143.0	33.976	44.063	58.297	70.581	74.759
143.5	33.976	43.939	57.616	70.055	74.326
144.0	33.976	43.785	57.028	69.653	73.830
144.5	34.068	43.661	56.440	69.189	73.397
145.0	34.192	43.537	55.791	68.787	72.902
145.5	34.409	43.382	55.203	68.384	72.407
146.0	34.687	43.259	54.646	67.951	71.943
146.5	34.966	43.135	54.182	67.487	71.417
147.0	35.244	42.980	53.656	67.023	70.891
147.5	35.492	42.918	53.253	66.559	70.365
148.0	35.770	42.794	52.820	66.033	69.808
148.5	36.018	42.764	52.480	65.538	69.251
149.0	36.327	42.764	52.108	65.043	68.756
149.5	36.544	42.856	51.768	64.517	68.137
150.0	36.791	42.918	51.428	64.021	67.487
150.5	37.008	42.949	51.056	63.465	66.806
151.0	37.163	43.042	50.561	62.908	66.002
151.5	37.318	43.073	50.035	62.320	65.259
152.0	37.503	43.135	49.540	61.701	64.517
152.5	37.689	43.197	49.076	61.051	63.712
153.0	37.813	43.228	48.581	60.308	63.062
153.5	37.967	43.320	48.055	59.535	62.320
154.0	38.091	43.290	47.591	58.668	61.701
154.5	38.246	43.320	47.188	57.833	61.082
155.0	38.308	43.382	46.786	56.874	60.618
155.5	38.431	43.413	46.384	55.976	60.123
156.0	38.524	43.413	46.105	55.017	59.689
156.5	38.679	43.413	45.827	54.058	59.132
157.0	38.741	43.475	45.548	53.191	58.606
157.5	38.834	43.475	45.363	52.356	58.019
158.0	38.958	43.444	45.270	51.489	57.462
158.5	38.988	43.444	45.146	50.778	56.812
159.0	39.143	43.351	45.053	50.097	56.255
159.5	39.267	43.290	44.899	49.447	55.636
160.0	39.422	43.228	44.744	48.921	55.017
160.5	39.607	43.197	44.620	48.426	54.429
161.0	39.731	43.104	44.589	47.900	53.841
161.5	39.917	43.073	44.527	47.374	53.408
162.0	40.071	43.011	44.620	46.941	53.037
162.5	40.226	43.011	44.682	46.477	52.603
163.0	40.412	42.980	44.713	45.982	52.232
163.5	40.567	42.980	44.775	45.456	51.768
164.0	40.628	42.980	44.837	44.806	51.335
164.5	40.721	42.918	44.775	44.311	50.778
165.0	40.814	42.918	44.682	43.816	50.221
165.5	40.907	42.887	44.589	43.475	49.633
166.0	41.000	42.856	44.527	43.104	48.736
166.5	41.093	42.856	44.434	42.794	48.302

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CANDELA TABULATION - (Cont.)

167.0	41.216	42.856	44.342	42.516	47.962
167.5	41.278	42.856	44.156	42.268	47.622
168.0	41.371	42.856	44.001	42.021	47.343
168.5	41.557	42.733	43.785	41.804	47.003
169.0	41.650	42.764	43.630	41.588	46.662
169.5	41.804	42.671	43.382	41.340	46.291
170.0	41.866	42.640	43.166	41.031	45.951
170.5	41.959	42.578	42.887	40.690	45.579
171.0	42.021	42.516	42.578	40.319	45.115
171.5	42.114	42.516	42.299	39.979	44.744
172.0	42.268	42.454	42.145	39.638	44.187
172.5	42.361	42.454	41.959	39.267	43.568
173.0	42.485	42.392	41.804	38.927	42.516
173.5	42.640	42.423	41.742	38.586	40.938
174.0	42.764	42.423	41.711	38.308	38.988
174.5	42.856	42.423	41.650	38.029	36.668
175.0	43.042	42.516	41.619	37.813	34.038
175.5	43.104	42.547	41.588	37.720	31.284
176.0	43.228	42.609	41.588	37.627	29.489
176.5	43.259	42.640	41.557	37.627	28.220
177.0	43.382	42.702	41.495	37.534	26.921
177.5	43.413	42.702	41.402	37.503	26.642
178.0	43.537	42.764	41.371	37.472	26.704
178.5	43.599	42.794	41.402	37.410	26.766
179.0	43.661	42.794	41.371	37.318	26.797
179.5	43.723	42.794	41.340	37.287	26.828
180.0	39.205	39.205	39.205	39.205	39.205



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

Zone	Lumens	%Lamp	%Fixt
0-20	354.26	N.A.	11.70
0-30	742.30	N.A.	24.50
0-40	1192.4	N.A.	39.40
0-60	2017.98	N.A.	66.70
0-80	2514.04	N.A.	83.10
0-90	2638.8	N.A.	87.30
10-90	2546.44	N.A.	84.20
20-40	838.13	N.A.	27.70
20-50	1281.37	N.A.	42.40
40-70	1119.66	N.A.	37.00
60-80	496.06	N.A.	16.40
70-80	201.98	N.A.	6.70
80-90	124.76	N.A.	4.10
90-110	145.72	N.A.	4.80
90-120	207.06	N.A.	6.80
90-130	263.52	N.A.	8.70
90-150	345.96	N.A.	11.40
90-180	385.37	N.A.	12.70
110-180	239.65	N.A.	7.90
0-180	3024.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	92.36
10-20	261.90
20-30	388.04
30-40	450.10
40-50	443.24
50-60	382.34
60-70	294.08
70-80	201.98
80-90	124.76
90-100	79.93
100-110	65.79
110-120	61.35
120-130	56.46
130-140	47.45
140-150	34.99
150-160	22.88
160-170	12.60
170-180	3.93

**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**  
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**UGR TABLE - CORRECTED**

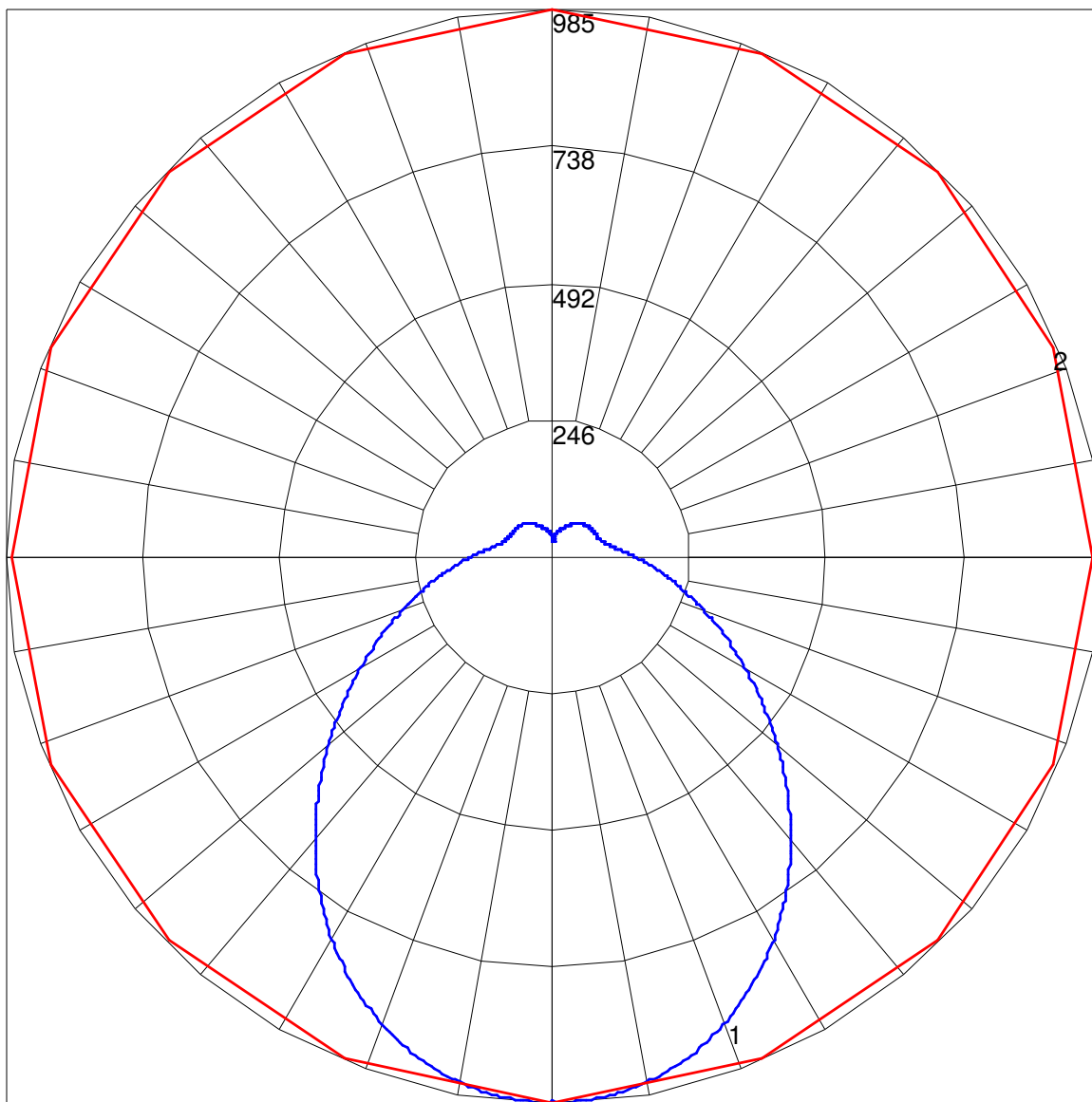
Reflectances

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	17.9	19.3	18.5	19.9	20.5	19.5	20.9	20.1	21.5	22.1
	3H	19.3	20.5	19.9	21.1	21.8	21.7	22.9	22.3	23.5	24.2
	4H	19.7	20.9	20.3	21.5	22.2	22.7	23.9	23.3	24.5	25.2
	6H	20.0	21.1	20.6	21.7	22.4	23.8	24.9	24.4	25.5	26.2
	8H	20.1	21.2	20.7	21.8	22.5	24.4	25.4	25.0	26.1	26.7
	12H	20.2	21.1	20.8	21.8	22.5	25.0	26.0	25.6	26.6	27.3
4H	2H	18.7	19.8	19.3	20.4	21.1	19.9	21.1	20.5	21.7	22.4
	3H	20.3	21.3	20.9	21.9	22.6	22.3	23.3	23.0	24.0	24.7
	4H	20.8	21.7	21.5	22.4	23.1	23.6	24.5	24.2	25.1	25.8
	6H	21.2	22.0	21.9	22.7	23.4	24.9	25.6	25.5	26.3	27.0
	8H	21.4	22.1	22.0	22.8	23.5	25.5	26.3	26.2	26.9	27.7
	12H	21.4	22.1	22.1	22.8	23.5	26.3	26.9	26.9	27.6	28.4
8H	4H	21.4	22.1	22.0	22.8	23.5	23.8	24.5	24.4	25.2	25.9
	6H	22.0	22.6	22.6	23.3	24.0	25.2	25.9	25.9	26.6	27.3
	8H	22.2	22.7	22.9	23.4	24.2	26.0	26.6	26.7	27.3	28.1
	12H	22.3	22.8	23.0	23.5	24.3	27.0	27.5	27.7	28.2	29.0
12H	4H	21.5	22.2	22.2	22.9	23.6	23.8	24.4	24.4	25.1	25.9
	6H	22.2	22.8	22.9	23.5	24.3	25.3	25.8	26.0	26.5	27.3
	8H	22.5	23.0	23.2	23.7	24.5	26.2	26.7	26.9	27.3	28.2

Maximum UGR = 29.0

POLAR GRAPH



Maximum Candela = 984.613 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.)