

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-2-L32-950-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-L32-950-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	2613
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	11101	10026	10056
55	9530	8546	8828
65	7900	7276	7868
75	6155	6294	7354
85	4049	6064	7770

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-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	845.702	845.702	845.702	845.702	845.702
0.5	841.692	844.900	845.435	845.167	850.782
1.0	841.692	845.167	845.167	844.900	850.515
1.5	840.889	845.167	844.900	844.633	850.782
2.0	840.622	844.365	844.900	844.365	849.980
2.5	840.622	844.365	844.098	844.098	849.445
3.0	839.820	843.563	843.563	843.563	848.911
3.5	839.285	842.761	842.761	843.028	848.376
4.0	838.750	842.226	842.226	841.959	847.841
4.5	837.414	841.424	841.692	841.424	847.039
5.0	836.611	840.622	840.622	840.622	846.237
5.5	835.542	839.553	839.553	839.820	845.167
6.0	835.007	838.216	838.483	838.483	844.098
6.5	833.136	837.146	837.414	837.414	842.761
7.0	832.066	835.809	836.077	835.809	841.692
7.5	830.997	834.205	834.740	834.740	840.355
8.0	829.660	833.136	833.136	833.136	838.483
8.5	828.323	831.264	831.799	831.799	836.879
9.0	826.184	829.927	830.194	829.927	835.007
9.5	824.847	828.055	828.055	828.055	833.938
10.0	822.708	825.916	825.916	826.451	831.799
10.5	820.836	824.045	824.312	824.312	829.927
11.0	818.965	822.173	822.441	822.173	827.788
11.5	816.558	820.034	820.569	820.034	825.916
12.0	814.419	817.628	818.163	818.163	823.510
12.5	812.280	815.222	816.024	815.489	821.371
13.0	809.874	813.083	813.617	813.350	818.965
13.5	807.468	810.409	810.944	810.944	816.826
14.0	804.527	807.735	808.270	808.270	813.885
14.5	802.120	805.061	805.596	805.596	811.746
15.0	799.714	802.388	802.655	802.655	808.537
15.5	796.773	799.179	799.981	799.981	805.329
16.0	793.564	796.238	797.040	797.040	802.655
16.5	790.891	793.030	793.832	794.099	799.714
17.0	787.147	789.554	790.623	790.891	796.505
17.5	783.939	786.345	787.415	787.682	793.297
18.0	780.998	783.137	783.939	784.741	790.356
18.5	777.522	779.928	780.730	781.265	786.880
19.0	774.046	775.918	777.255	777.789	783.137
19.5	770.035	772.709	773.779	774.848	779.661
20.0	765.757	768.699	770.035	770.838	775.918
20.5	761.479	765.223	766.292	767.362	772.442
21.0	758.004	760.945	761.747	763.886	768.699
21.5	753.993	756.934	758.271	759.340	764.688
22.0	749.715	753.191	754.528	755.597	761.212
22.5	745.972	748.378	750.250	751.854	757.202
23.0	741.426	744.100	745.972	747.576	752.924
23.5	736.614	739.555	741.961	743.565	748.913
24.0	731.801	735.010	737.416	739.287	744.635
24.5	727.790	730.464	733.138	734.742	739.822
25.0	723.245	725.919	728.860	730.464	735.544
25.5	718.165	721.373	723.780	726.186	730.464
26.0	713.352	716.293	719.502	721.641	726.454
26.5	708.272	711.213	714.957	716.828	721.908

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	703.192	705.866	710.411	712.818	717.363
27.5	697.310	700.786	705.331	707.470	712.818
28.0	693.032	695.706	700.251	702.657	707.737
28.5	687.417	690.626	695.171	697.577	702.657
29.0	682.070	685.278	689.823	692.765	697.845
29.5	676.455	679.663	684.476	687.417	692.497
30.0	670.840	674.316	679.128	682.872	687.952
30.5	664.958	668.434	674.048	677.792	682.604
31.0	659.343	662.819	668.434	672.444	676.989
31.5	653.461	657.471	663.086	667.364	672.177
32.0	647.846	651.322	657.739	661.749	666.562
32.5	641.696	645.439	652.124	656.402	661.214
33.0	635.814	639.825	645.974	651.054	655.867
33.5	630.199	633.942	640.627	645.172	650.252
34.0	623.515	627.793	634.744	639.825	645.172
34.5	617.365	621.911	629.130	633.942	639.290
35.0	611.750	615.494	623.515	628.595	633.675
35.5	604.531	609.611	617.365	622.713	627.793
36.0	598.916	603.194	611.483	616.830	622.178
36.5	591.965	596.777	605.333	611.216	616.830
37.0	585.548	590.628	599.184	605.066	611.216
37.5	578.863	583.944	593.302	599.719	605.066
38.0	572.179	577.527	586.885	593.569	598.649
38.5	565.227	570.842	580.735	587.954	592.767
39.0	559.078	564.158	574.318	581.805	587.954
39.5	552.126	558.008	568.169	575.655	581.537
40.0	544.640	551.057	561.752	570.040	575.388
40.5	537.688	544.372	555.602	564.158	569.505
41.0	531.271	537.688	549.185	558.008	563.356
41.5	524.319	531.004	542.768	551.859	557.474
42.0	517.368	524.319	536.351	545.977	551.591
42.5	510.683	517.368	529.667	539.827	545.442
43.0	503.197	510.683	523.517	533.945	539.560
43.5	496.780	503.732	516.833	527.795	533.677
44.0	489.561	496.780	510.148	521.913	527.528
44.5	482.876	490.095	503.464	515.496	521.378
45.0	475.925	483.144	497.047	509.881	515.763
45.5	468.973	476.459	490.630	503.999	509.881
46.0	462.021	469.508	483.679	497.582	503.732
46.5	455.070	462.556	477.796	492.234	497.849
47.0	447.850	455.872	471.112	485.817	491.967
47.5	440.899	448.920	464.428	479.668	485.817
48.0	434.214	441.968	457.743	474.053	479.668
48.5	426.728	435.284	451.594	467.636	473.786
49.0	420.044	428.065	444.642	461.487	467.636
49.5	413.092	421.380	438.225	455.604	461.754
50.0	405.873	414.429	431.808	449.187	455.604
50.5	399.189	407.744	425.124	443.840	449.989
51.0	392.237	400.793	419.242	437.690	444.107
51.5	385.552	393.841	412.557	431.808	438.225
52.0	378.333	387.157	406.140	425.658	432.343
52.5	371.382	380.205	399.991	419.509	426.728
53.0	364.163	373.521	393.574	414.161	420.578
53.5	357.211	366.836	387.424	408.012	414.964
54.0	350.527	360.152	381.274	402.130	409.349
54.5	344.110	353.200	375.125	396.782	403.734

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	337.425	346.783	368.975	390.633	398.654
55.5	331.810	340.099	362.826	385.018	392.504
56.0	325.393	334.217	356.944	379.403	386.889
56.5	318.709	328.067	350.794	373.788	381.542
57.0	312.292	321.918	344.912	368.173	375.927
57.5	305.608	315.501	339.832	362.826	369.777
58.0	298.923	309.084	333.949	356.944	365.232
58.5	292.507	302.667	328.067	351.863	359.885
59.0	286.090	296.250	322.452	347.318	354.270
59.5	279.673	290.100	317.372	341.703	349.992
60.0	273.256	283.683	311.757	336.356	344.644
60.5	266.972	277.534	306.143	331.276	339.297
61.0	260.662	271.384	300.528	326.196	334.217
61.5	254.406	265.288	294.913	321.115	329.404
62.0	248.256	259.245	289.565	316.303	324.324
62.5	242.187	253.256	283.951	311.490	319.511
63.0	236.037	247.294	278.603	306.410	315.233
63.5	229.941	241.411	273.523	301.597	310.421
64.0	224.005	235.609	268.176	296.517	305.608
64.5	218.096	229.941	263.095	291.704	300.795
65.0	212.241	224.246	257.989	286.892	296.250
65.5	206.466	218.685	252.935	282.079	291.437
66.0	200.610	213.123	247.935	277.266	286.892
66.5	194.888	207.696	242.962	272.721	282.346
67.0	189.300	202.321	238.016	267.908	277.801
67.5	183.686	197.027	233.176	263.416	273.256
68.0	178.151	191.867	228.364	258.871	268.978
68.5	172.696	186.734	223.658	254.459	264.513
69.0	167.269	181.653	219.006	250.021	260.288
69.5	161.921	176.680	214.407	245.716	256.090
70.0	156.601	171.787	209.888	241.492	251.919
70.5	151.414	166.948	205.370	237.267	247.802
71.0	146.280	162.162	200.931	233.096	243.738
71.5	141.200	157.483	196.600	229.032	239.727
72.0	136.227	152.777	192.268	224.995	235.823
72.5	131.227	148.232	188.044	221.038	231.946
73.0	126.361	143.713	183.846	217.134	228.043
73.5	121.628	139.248	179.782	213.257	224.246
74.0	116.949	134.917	175.664	209.514	220.423
74.5	112.350	130.558	171.734	205.797	216.813
75.0	107.778	126.307	167.830	202.161	213.311
75.5	103.286	122.163	163.980	198.551	209.754
76.0	98.928	118.099	160.237	194.969	206.279
76.5	94.597	114.088	156.520	191.466	202.803
77.0	90.319	110.104	152.857	187.990	199.434
77.5	86.121	106.227	149.248	184.621	196.092
78.0	81.977	102.431	145.745	181.306	192.803
78.5	77.913	98.688	142.269	177.964	189.541
79.0	73.929	95.051	138.900	174.729	186.333
79.5	69.972	91.442	135.585	171.574	183.124
80.0	66.068	87.886	132.270	168.445	180.076
80.5	62.271	84.437	129.061	165.290	176.974
81.0	58.582	81.041	125.986	162.242	173.953
81.5	54.838	77.725	122.912	159.221	170.932
82.0	51.229	74.490	119.917	156.306	168.017
82.5	47.699	71.308	116.976	153.392	165.157

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	44.224	68.207	114.088	150.585	162.376
83.5	40.774	65.186	111.334	147.724	159.488
84.0	37.406	62.245	108.661	145.023	156.734
84.5	34.063	59.410	106.040	142.350	154.034
85.0	30.855	56.656	103.474	139.703	151.333
85.5	27.646	54.036	100.960	137.136	148.713
86.0	24.491	51.523	98.500	134.623	146.120
86.5	21.363	49.170	96.174	132.109	143.526
87.0	18.288	46.897	93.821	129.730	140.986
87.5	15.214	44.785	91.602	127.323	138.553
88.0	12.165	42.726	89.410	124.997	136.093
88.5	9.091	40.801	87.297	122.698	133.713
89.0	6.283	38.983	85.292	120.478	131.361
89.5	3.984	37.299	83.340	118.339	129.061
90.0	2.380	35.801	81.549	116.307	126.949
90.5	1.684	34.491	79.891	114.275	124.703
91.0	1.791	33.288	78.207	112.217	122.564
91.5	2.139	32.138	76.522	110.265	120.425
92.0	2.540	31.176	74.918	108.286	118.339
92.5	2.968	30.347	73.554	106.388	116.281
93.0	3.396	29.625	72.137	104.596	114.302
93.5	3.850	29.063	70.800	102.832	112.431
94.0	4.331	28.582	69.544	101.174	110.612
94.5	4.786	28.235	68.367	99.490	108.741
95.0	5.241	27.967	67.271	97.832	106.949
95.5	5.668	27.780	66.255	96.254	105.185
96.0	6.016	27.700	65.373	94.730	103.447
96.5	6.363	27.700	64.490	93.313	101.843
97.0	6.684	27.727	63.688	91.950	100.238
97.5	7.032	27.834	62.940	90.640	98.768
98.0	7.326	27.941	62.271	89.356	97.270
98.5	7.674	28.074	61.710	88.126	95.880
99.0	8.021	28.235	61.122	86.977	94.517
99.5	8.396	28.422	60.614	85.880	93.180
100.0	8.716	28.609	60.212	84.864	91.976
100.5	9.091	28.823	59.811	83.875	90.747
101.0	9.412	29.037	59.517	82.939	89.650
101.5	9.732	29.251	59.223	82.057	88.527
102.0	10.027	29.465	59.009	81.228	87.538
102.5	10.321	29.678	58.795	80.453	86.549
103.0	10.615	29.919	58.635	79.677	85.666
103.5	10.936	30.160	58.501	79.009	84.757
104.0	11.283	30.374	58.368	78.394	83.929
104.5	11.631	30.614	58.287	77.806	83.153
105.0	11.952	30.855	58.207	77.271	82.404
105.5	12.246	31.069	58.127	76.709	81.763
106.0	12.593	31.336	58.100	76.228	81.121
106.5	12.914	31.577	58.100	75.774	80.479
107.0	13.235	31.844	58.100	75.346	79.945
107.5	13.529	32.058	58.100	75.025	79.383
108.0	13.903	32.325	58.100	74.651	78.822
108.5	14.251	32.593	58.127	74.383	78.447
109.0	14.599	32.807	58.180	74.036	78.073
109.5	14.973	33.047	58.207	73.795	77.672
110.0	15.347	33.288	58.261	73.528	77.351
110.5	15.722	33.529	58.314	73.287	77.057

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	16.096	33.769	58.341	73.073	76.736
111.5	16.470	33.983	58.368	72.913	76.469
112.0	16.871	34.224	58.421	72.752	76.148
112.5	17.272	34.464	58.475	72.565	75.854
113.0	17.700	34.705	58.555	72.431	75.720
113.5	18.101	34.919	58.555	72.298	75.533
114.0	18.529	35.133	58.608	72.191	75.346
114.5	18.930	35.374	58.662	72.057	75.185
115.0	19.358	35.561	58.715	71.977	75.052
115.5	19.786	35.801	58.715	71.897	74.918
116.0	20.187	36.015	58.795	71.790	74.758
116.5	20.561	36.229	58.849	71.683	74.704
117.0	20.989	36.470	58.902	71.683	74.570
117.5	21.390	36.657	58.956	71.576	74.490
118.0	21.737	36.844	59.009	71.522	74.383
118.5	22.139	37.031	59.036	71.442	74.357
119.0	22.486	37.218	59.090	71.362	74.196
119.5	22.860	37.352	59.143	71.282	74.169
120.0	23.208	37.486	59.116	71.228	74.036
120.5	23.556	37.646	59.143	71.121	74.009
121.0	23.903	37.753	59.196	71.041	73.902
121.5	24.278	37.887	59.170	70.934	73.849
122.0	24.625	38.047	59.170	70.881	73.768
122.5	24.973	38.208	59.196	70.774	73.581
123.0	25.320	38.368	59.170	70.667	73.554
123.5	25.641	38.502	59.116	70.587	73.394
124.0	25.908	38.609	59.116	70.506	73.367
124.5	26.176	38.716	59.116	70.373	73.260
125.0	26.443	38.849	59.063	70.239	73.153
125.5	26.711	38.930	59.009	70.159	73.020
126.0	26.951	39.037	58.983	69.998	72.913
126.5	27.165	39.170	58.929	69.891	72.833
127.0	27.406	39.224	58.876	69.758	72.726
127.5	27.593	39.304	58.795	69.624	72.538
128.0	27.834	39.304	58.769	69.464	72.431
128.5	28.021	39.357	58.662	69.330	72.325
129.0	28.208	39.411	58.555	69.196	72.191
129.5	28.368	39.491	58.368	68.982	72.030
130.0	28.502	39.545	58.180	68.849	71.870
130.5	28.636	39.598	57.967	68.688	71.683
131.0	28.716	39.678	57.753	68.448	71.496
131.5	28.823	39.758	57.539	68.234	71.308
132.0	28.930	39.839	57.298	68.100	71.148
132.5	28.983	39.865	57.031	67.833	70.907
133.0	29.063	39.892	56.924	67.592	70.613
133.5	29.090	39.865	56.763	67.405	70.480
134.0	29.117	39.812	56.656	67.191	70.292
134.5	29.197	39.705	56.523	66.950	69.945
135.0	29.277	39.625	56.362	66.629	69.678
135.5	29.251	39.411	56.229	66.416	69.464
136.0	29.304	39.384	56.041	66.148	69.196
136.5	29.358	39.304	55.908	65.854	68.929
137.0	29.384	39.170	55.694	65.613	68.635
137.5	29.411	39.037	55.507	65.293	68.367
138.0	29.465	38.956	55.239	65.025	68.047
138.5	29.465	38.849	54.892	64.731	67.806

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	29.438	38.769	54.491	64.384	67.432
139.5	29.438	38.662	54.009	64.009	67.164
140.0	29.438	38.529	53.475	63.662	66.790
140.5	29.438	38.448	52.993	63.234	66.389
141.0	29.438	38.395	52.459	62.779	66.068
141.5	29.438	38.288	51.924	62.378	65.747
142.0	29.411	38.234	51.416	61.870	65.400
142.5	29.384	38.154	50.881	61.416	64.998
143.0	29.358	38.074	50.373	60.988	64.597
143.5	29.358	37.967	49.785	60.533	64.223
144.0	29.358	37.833	49.277	60.186	63.795
144.5	29.438	37.726	48.769	59.785	63.421
145.0	29.545	37.619	48.207	59.437	62.993
145.5	29.732	37.486	47.699	59.090	62.565
146.0	29.973	37.379	47.218	58.715	62.164
146.5	30.213	37.272	46.817	58.314	61.710
147.0	30.454	37.138	46.363	57.913	61.255
147.5	30.668	37.085	46.015	57.512	60.801
148.0	30.908	36.978	45.641	57.057	60.319
148.5	31.122	36.951	45.347	56.630	59.838
149.0	31.390	36.951	45.026	56.202	59.410
149.5	31.577	37.031	44.732	55.747	58.876
150.0	31.791	37.085	44.437	55.320	58.314
150.5	31.978	37.111	44.117	54.838	57.726
151.0	32.112	37.192	43.689	54.357	57.031
151.5	32.245	37.218	43.234	53.849	56.389
152.0	32.406	37.272	42.806	53.314	55.747
152.5	32.566	37.325	42.405	52.753	55.052
153.0	32.673	37.352	41.978	52.111	54.491
153.5	32.807	37.432	41.523	51.443	53.849
154.0	32.914	37.406	41.122	50.694	53.314
154.5	33.047	37.432	40.774	49.972	52.780
155.0	33.101	37.486	40.427	49.143	52.378
155.5	33.208	37.512	40.079	48.368	51.951
156.0	33.288	37.512	39.839	47.539	51.576
156.5	33.422	37.512	39.598	46.710	51.095
157.0	33.475	37.566	39.357	45.961	50.641
157.5	33.555	37.566	39.197	45.240	50.133
158.0	33.662	37.539	39.117	44.491	49.651
158.5	33.689	37.539	39.010	43.876	49.090
159.0	33.823	37.459	38.930	43.288	48.608
159.5	33.930	37.406	38.796	42.726	48.074
160.0	34.063	37.352	38.662	42.272	47.539
160.5	34.224	37.325	38.555	41.844	47.031
161.0	34.331	37.245	38.529	41.389	46.523
161.5	34.491	37.218	38.475	40.935	46.149
162.0	34.625	37.165	38.555	40.561	45.828
162.5	34.759	37.165	38.609	40.159	45.453
163.0	34.919	37.138	38.635	39.732	45.133
163.5	35.053	37.138	38.689	39.277	44.732
164.0	35.106	37.138	38.742	38.716	44.357
164.5	35.186	37.085	38.689	38.288	43.876
165.0	35.267	37.085	38.609	37.860	43.395
165.5	35.347	37.058	38.529	37.566	42.887
166.0	35.427	37.031	38.475	37.245	42.111
166.5	35.507	37.031	38.395	36.978	41.737

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	35.614	37.031	38.315	36.737	41.443
167.5	35.668	37.031	38.154	36.523	41.149
168.0	35.748	37.031	38.020	36.309	40.908
168.5	35.908	36.924	37.833	36.122	40.614
169.0	35.988	36.951	37.700	35.935	40.320
169.5	36.122	36.871	37.486	35.721	39.999
170.0	36.176	36.844	37.299	35.454	39.705
170.5	36.256	36.791	37.058	35.160	39.384
171.0	36.309	36.737	36.791	34.839	38.983
171.5	36.390	36.737	36.550	34.545	38.662
172.0	36.523	36.684	36.416	34.251	38.181
172.5	36.603	36.684	36.256	33.930	37.646
173.0	36.710	36.630	36.122	33.636	36.737
173.5	36.844	36.657	36.069	33.341	35.374
174.0	36.951	36.657	36.042	33.101	33.689
174.5	37.031	36.657	35.988	32.860	31.684
175.0	37.192	36.737	35.962	32.673	29.411
175.5	37.245	36.764	35.935	32.593	27.031
176.0	37.352	36.817	35.935	32.513	25.481
176.5	37.379	36.844	35.908	32.513	24.384
177.0	37.486	36.898	35.855	32.432	23.261
177.5	37.512	36.898	35.775	32.406	23.021
178.0	37.619	36.951	35.748	32.379	23.074
178.5	37.673	36.978	35.775	32.325	23.128
179.0	37.726	36.978	35.748	32.245	23.155
179.5	37.780	36.978	35.721	32.218	23.181
180.0	33.876	33.876	33.876	33.876	33.876

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-2-L32-950-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	306.11	N.A.	11.70
0-30	641.40	N.A.	24.50
0-40	1030.32	N.A.	39.40
0-60	1743.69	N.A.	66.70
0-80	2172.32	N.A.	83.10
0-90	2280.12	N.A.	87.30
10-90	2200.32	N.A.	84.20
20-40	724.21	N.A.	27.70
20-50	1107.21	N.A.	42.40
40-70	967.48	N.A.	37.00
60-80	428.64	N.A.	16.40
70-80	174.52	N.A.	6.70
80-90	107.80	N.A.	4.10
90-110	125.91	N.A.	4.80
90-120	178.92	N.A.	6.80
90-130	227.71	N.A.	8.70
90-150	298.94	N.A.	11.40
90-180	332.99	N.A.	12.70
110-180	207.07	N.A.	7.90
0-180	2613.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.80
10-20	226.31
20-30	335.29
30-40	388.92
40-50	382.99
50-60	330.37
60-70	254.11
70-80	174.52
80-90	107.80
90-100	69.07
100-110	56.84
110-120	53.01
120-130	48.79
130-140	41.00
140-150	30.23
150-160	19.77
160-170	10.89
170-180	3.39

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

X=2H	Y=2H	17.4	18.8	18.0	19.4	20.0	19.0	20.4	19.6	21.0	21.6
	3H	18.8	20.0	19.4	20.6	21.3	21.2	22.4	21.8	23.0	23.7
	4H	19.2	20.4	19.8	21.0	21.7	22.2	23.4	22.8	24.0	24.7
	6H	19.5	20.6	20.1	21.2	21.9	23.3	24.4	23.9	25.0	25.7
	8H	19.6	20.7	20.2	21.3	22.0	23.9	24.9	24.5	25.6	26.2
	12H	19.7	20.6	20.3	21.3	22.0	24.5	25.5	25.1	26.1	26.8

UGR Viewed Endwise

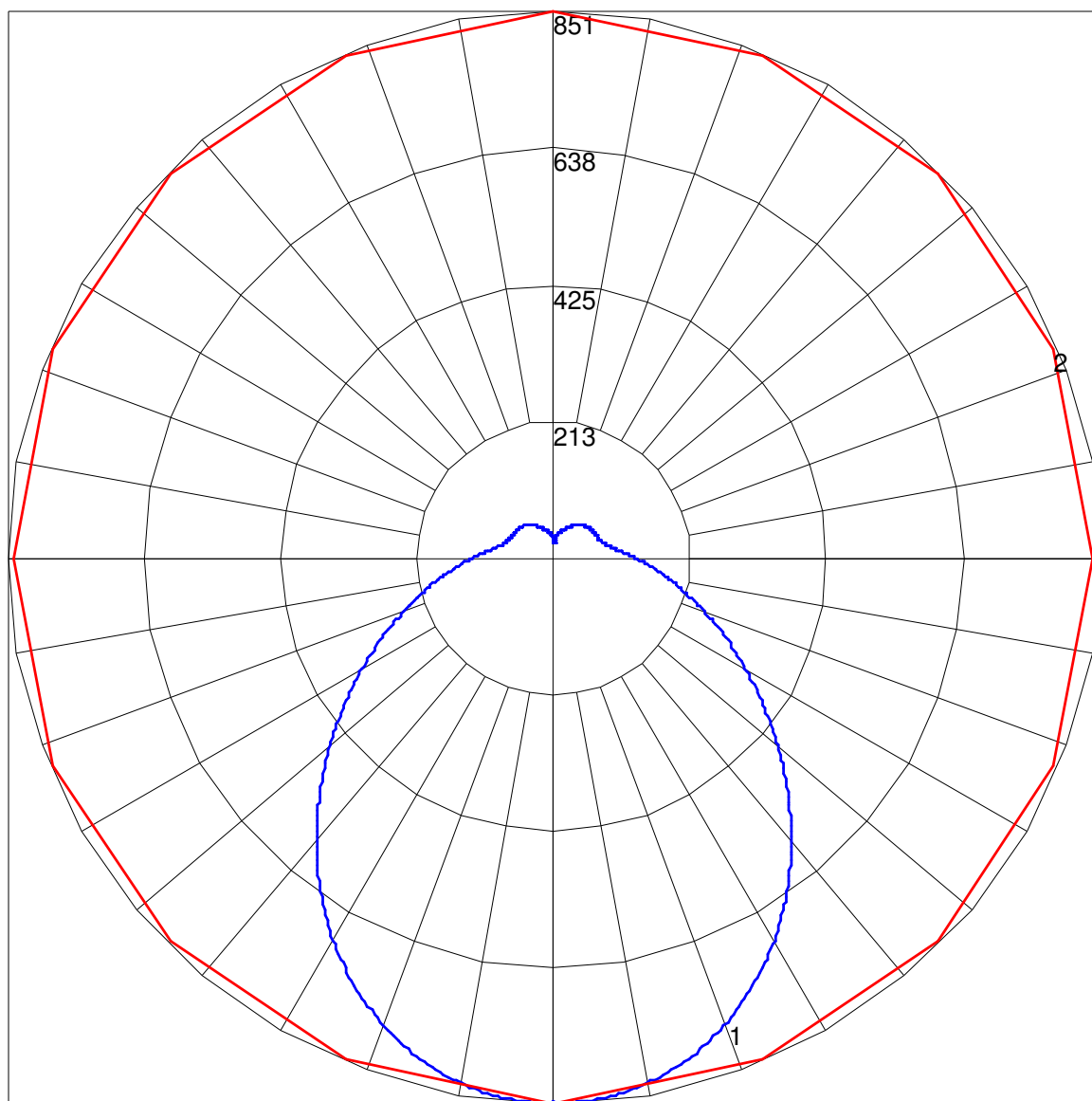
4H	2H	18.2	19.3	18.8	19.9	20.6	19.4	20.6	20.0	21.2	21.9
	3H	19.8	20.8	20.4	21.4	22.1	21.9	22.8	22.5	23.5	24.2
	4H	20.3	21.2	21.0	21.9	22.6	23.1	24.0	23.7	24.6	25.3
	6H	20.7	21.5	21.4	22.2	22.9	24.4	25.1	25.0	25.8	26.5
	8H	20.9	21.6	21.5	22.3	23.0	25.0	25.8	25.7	26.4	27.2
	12H	20.9	21.6	21.6	22.3	23.0	25.8	26.4	26.4	27.1	27.9

8H	4H	20.9	21.6	21.5	22.3	23.0	23.3	24.0	23.9	24.7	25.4
	6H	21.5	22.1	22.1	22.8	23.5	24.7	25.4	25.4	26.1	26.8
	8H	21.7	22.2	22.4	22.9	23.7	25.5	26.1	26.2	26.8	27.6
	12H	21.8	22.3	22.5	23.0	23.8	26.5	27.0	27.2	27.7	28.5

12H	4H	21.0	21.7	21.7	22.4	23.1	23.3	23.9	23.9	24.6	25.4
	6H	21.7	22.3	22.4	23.0	23.8	24.8	25.3	25.5	26.0	26.8
	8H	22.0	22.5	22.7	23.2	24.0	25.7	26.2	26.4	26.8	27.7

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 850.782 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.)