



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2AS-L9-835-DIM-UNV-LW-OF-WH (0° TILT).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 13257190.29

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 3/19/2020

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] 2AS-L9-835-DIM-UNV-LW-OF-WH (0° TILT)

[LUMINAIRE] Aluminum housing, optics, and trim enclosure

[LAMP] One white LED

[BALLAST] One Philips Advance XI025C070V054DSM1 Driver

[OTHER] 24.3 C, 120.047 V, 0.178254 A, 21.2917 W, 0.994997 PF, 60 Hz

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Commercial, Healthcare, Industrial, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	885
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	14.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.21 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6359	6992	6834
55	7774	8100	7970
65	8962	8786	8786
75	8867	8002	8290
85	6209	4709	5567

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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	2647.494	2647.494	2647.494	2647.494	2647.494
0.5	2680.522	2649.746	2642.239	2636.234	2633.982
1.0	2677.519	2645.993	2639.988	2633.232	2630.980
1.5	2673.016	2641.489	2634.733	2628.728	2625.725
2.0	2664.008	2633.982	2627.227	2621.972	2620.471
2.5	2653.499	2623.474	2617.468	2612.214	2612.214
3.0	2639.988	2611.463	2604.708	2600.955	2598.703
3.5	2625.725	2596.451	2590.446	2586.692	2585.191
4.0	2608.461	2579.186	2573.932	2570.929	2570.929
4.5	2589.695	2560.420	2555.166	2552.163	2551.413
5.0	2570.178	2539.402	2534.899	2531.896	2529.644
5.5	2545.407	2517.634	2512.379	2509.377	2508.626
6.0	2520.636	2493.614	2489.860	2485.357	2485.357
6.5	2494.364	2468.092	2463.588	2458.334	2458.334
7.0	2465.089	2440.318	2435.064	2429.809	2431.311
7.5	2436.565	2410.293	2405.789	2399.033	2399.033
8.0	2405.038	2378.016	2374.262	2366.756	2366.005
8.5	2372.010	2343.486	2339.733	2332.977	2329.224
9.0	2336.731	2308.957	2303.703	2295.446	2291.692
9.5	2300.700	2271.425	2267.672	2256.412	2250.407
10.0	2259.415	2231.641	2227.888	2215.127	2206.120
10.5	2214.377	2191.107	2186.603	2170.840	2157.328
11.0	2167.087	2146.820	2142.316	2122.799	2106.285
11.5	2115.293	2100.280	2097.278	2071.756	2050.738
12.0	2060.496	2049.237	2049.988	2017.710	1993.690
12.5	1998.944	1995.191	2000.446	1959.911	1929.886
13.0	1932.888	1937.392	1948.652	1898.359	1863.079
13.5	1864.580	1875.089	1893.105	1833.804	1792.519
14.0	1785.764	1809.033	1836.807	1766.998	1717.456
14.5	1703.194	1739.224	1777.507	1697.188	1638.639
15.0	1614.619	1664.160	1715.954	1623.626	1557.570
15.5	1522.290	1586.094	1651.400	1547.061	1473.499
16.0	1425.458	1505.026	1586.094	1471.998	1389.428
16.5	1326.374	1420.204	1519.288	1392.430	1303.104
17.0	1224.288	1332.379	1450.229	1314.364	1216.031
17.5	1120.700	1243.804	1379.669	1235.547	1129.708
18.0	1018.613	1152.227	1307.608	1155.229	1043.384
18.5	918.028	1060.649	1234.797	1076.412	958.562
19.0	821.196	970.573	1162.736	997.596	875.992
19.5	729.243	881.998	1089.924	920.280	796.425
20.0	641.494	795.674	1017.112	845.967	719.560
20.5	563.202	712.879	944.300	773.155	646.673
21.0	490.165	635.338	872.990	703.721	578.515
21.5	424.560	562.677	803.181	637.065	515.012
22.0	365.260	495.045	736.825	574.162	456.762
22.5	311.589	433.567	672.120	515.387	403.317
23.0	265.200	377.570	609.366	460.590	356.402
23.5	224.816	326.827	549.691	410.373	312.715
24.0	189.836	281.789	493.018	365.710	273.382
24.5	160.111	241.780	440.699	323.449	239.003
25.0	134.439	206.950	392.733	285.617	208.151
25.5	113.046	177.000	347.169	251.613	180.753
26.0	94.880	150.953	306.109	221.212	157.183
26.5	79.718	128.959	268.352	193.964	136.165

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CANDELA TABULATION - (Cont.)

27.0	67.482	110.043	235.324	170.094	117.850
27.5	57.799	93.980	205.374	148.626	102.237
28.0	49.992	80.618	178.726	129.710	88.500
28.5	44.062	69.434	155.532	113.496	76.940
29.0	39.333	60.351	135.490	99.084	67.182
29.5	35.730	52.770	117.850	86.924	59.000
30.0	32.953	46.690	102.762	76.265	52.169
30.5	30.776	41.810	89.701	67.032	46.690
31.0	28.975	37.832	78.441	59.300	42.111
31.5	27.548	34.754	68.683	52.770	38.358
32.0	26.422	32.277	60.501	47.365	35.430
32.5	25.372	30.251	53.746	42.861	33.028
33.0	24.546	28.674	47.816	39.108	31.076
33.5	23.795	27.323	42.936	36.031	29.425
34.0	23.195	26.197	38.883	33.553	28.149
34.5	22.669	25.296	35.505	31.452	27.023
35.0	22.144	24.471	32.803	29.725	26.122
35.5	21.693	23.795	30.626	28.374	25.296
36.0	21.318	23.195	28.824	27.173	24.621
36.5	21.018	22.669	27.323	26.197	23.945
37.0	20.718	22.294	26.122	25.372	23.420
37.5	20.417	21.844	25.146	24.621	22.969
38.0	20.117	21.543	24.321	24.020	22.519
38.5	19.892	21.243	23.570	23.420	22.144
39.0	19.667	20.943	23.045	22.969	21.768
39.5	19.441	20.718	22.519	22.519	21.468
40.0	19.216	20.492	22.069	22.144	21.168
40.5	19.066	20.267	21.693	21.844	20.943
41.0	18.841	20.042	21.393	21.543	20.642
41.5	18.691	19.892	21.093	21.243	20.492
42.0	18.541	19.742	20.868	21.018	20.267
42.5	18.466	19.592	20.642	20.793	20.117
43.0	18.316	19.517	20.417	20.567	19.892
43.5	18.240	19.366	20.267	20.417	19.742
44.0	18.165	19.291	20.117	20.267	19.667
44.5	18.165	19.216	20.042	20.117	19.517
45.0	18.090	19.141	19.892	20.042	19.441
45.5	18.015	19.141	19.817	19.892	19.291
46.0	18.015	19.066	19.742	19.817	19.216
46.5	17.940	18.991	19.667	19.742	19.141
47.0	17.940	18.991	19.592	19.667	19.066
47.5	17.940	18.916	19.517	19.592	18.991
48.0	17.865	18.916	19.441	19.517	18.916
48.5	17.865	18.841	19.366	19.441	18.841
49.0	17.865	18.841	19.366	19.366	18.766
49.5	17.865	18.841	19.291	19.291	18.766
50.0	17.865	18.766	19.216	19.291	18.691
50.5	17.940	18.766	19.216	19.216	18.691
51.0	17.940	18.766	19.141	19.216	18.616
51.5	17.940	18.766	19.066	19.141	18.616
52.0	17.940	18.691	19.066	19.141	18.541
52.5	17.940	18.691	18.991	19.066	18.541
53.0	17.940	18.691	18.916	19.066	18.541
53.5	17.940	18.691	18.916	18.991	18.466
54.0	17.940	18.691	18.841	18.916	18.466
54.5	17.940	18.616	18.766	18.916	18.466

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55.0	17.940	18.616	18.691	18.841	18.391
55.5	17.940	18.541	18.616	18.766	18.316
56.0	17.940	18.541	18.541	18.691	18.240
56.5	17.865	18.466	18.391	18.541	18.165
57.0	17.865	18.391	18.316	18.466	18.015
57.5	17.790	18.316	18.165	18.391	17.940
58.0	17.715	18.165	18.015	18.240	17.790
58.5	17.640	18.090	17.865	18.090	17.565
59.0	17.565	17.940	17.715	17.940	17.415
59.5	17.490	17.790	17.565	17.715	17.265
60.0	17.340	17.640	17.415	17.565	17.039
60.5	17.190	17.490	17.190	17.340	16.814
61.0	16.964	17.340	16.964	17.115	16.664
61.5	16.739	17.115	16.739	16.889	16.439
62.0	16.514	16.964	16.514	16.664	16.289
62.5	16.289	16.739	16.289	16.439	16.064
63.0	16.064	16.589	16.064	16.214	15.838
63.5	15.838	16.364	15.763	15.989	15.613
64.0	15.688	16.064	15.538	15.688	15.388
64.5	15.463	15.838	15.238	15.463	15.163
65.0	15.238	15.538	14.938	15.163	14.938
65.5	15.013	15.313	14.637	14.938	14.637
66.0	14.788	15.013	14.337	14.637	14.412
66.5	14.562	14.712	14.112	14.337	14.112
67.0	14.337	14.412	13.737	14.037	13.812
67.5	14.037	14.112	13.436	13.737	13.511
68.0	13.812	13.812	13.136	13.436	13.211
68.5	13.511	13.436	12.836	13.136	12.911
69.0	13.211	13.136	12.536	12.761	12.611
69.5	12.911	12.836	12.160	12.461	12.310
70.0	12.611	12.461	11.860	12.160	12.010
70.5	12.235	12.160	11.485	11.785	11.710
71.0	11.935	11.785	11.109	11.485	11.335
71.5	11.560	11.410	10.809	11.109	11.034
72.0	11.260	11.109	10.434	10.734	10.734
72.5	10.884	10.734	10.134	10.434	10.359
73.0	10.584	10.359	9.758	10.059	10.059
73.5	10.209	9.983	9.383	9.683	9.683
74.0	9.908	9.608	9.083	9.308	9.308
74.5	9.533	9.308	8.707	8.933	9.008
75.0	9.233	8.933	8.332	8.632	8.632
75.5	8.858	8.557	8.032	8.257	8.332
76.0	8.482	8.182	7.656	7.882	7.957
76.5	8.107	7.807	7.281	7.506	7.656
77.0	7.732	7.431	6.981	7.131	7.281
77.5	7.356	7.056	6.606	6.831	6.906
78.0	6.981	6.681	6.230	6.455	6.606
78.5	6.606	6.305	5.930	6.080	6.230
79.0	6.305	6.005	5.555	5.780	5.930
79.5	5.930	5.630	5.179	5.405	5.555
80.0	5.555	5.254	4.879	5.029	5.254
80.5	5.179	4.879	4.504	4.729	4.879
81.0	4.879	4.504	4.204	4.354	4.579
81.5	4.504	4.204	3.828	4.053	4.204
82.0	4.128	3.828	3.528	3.678	3.903
82.5	3.828	3.528	3.228	3.378	3.603

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CANDELA TABULATION - (Cont.)

83.0	3.453	3.153	2.852	3.078	3.228
83.5	3.153	2.852	2.552	2.702	2.927
84.0	2.777	2.477	2.252	2.402	2.627
84.5	2.477	2.177	1.952	2.102	2.252
85.0	2.177	1.877	1.651	1.802	1.952
85.5	1.802	1.576	1.351	1.501	1.576
86.0	1.426	1.276	1.051	1.126	1.126
86.5	1.051	0.976	0.826	0.826	0.901
87.0	0.601	0.676	0.601	0.676	0.676
87.5	0.300	0.450	0.450	0.450	0.525
88.0	0.225	0.300	0.300	0.300	0.225
88.5	0.225	0.225	0.225	0.150	0.150
89.0	0.150	0.150	0.150	0.150	0.150
89.5	0.150	0.150	0.150	0.150	0.075
90.0	0.000	0.000	0.000	0.000	0.000
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L9-835-DIM-UNV-LW-OF-WH (0° TILT).IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L9-835-DIM-UNV-LW-OF-WH (0° TILT).IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L9-835-DIM-UNV-LW-OF-WH (0° TILT).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	665.35	N.A.	75.20
0-30	806.59	N.A.	91.20
0-40	826.67	N.A.	93.40
0-60	858.39	N.A.	97.00
0-80	882.46	N.A.	99.70
0-90	884.69	N.A.	100.00
10-90	652.21	N.A.	73.70
20-40	161.32	N.A.	18.20
20-50	176.51	N.A.	20.00
40-70	46.64	N.A.	5.30
60-80	24.08	N.A.	2.70
70-80	9.16	N.A.	1.00
80-90	2.23	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	884.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	232.48
10-20	432.86
20-30	141.24
30-40	20.08
40-50	15.19
50-60	16.53
60-70	14.92
70-80	9.16
80-90	2.23
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L9-835-DIM-UNV-LW-OF-WH (0° TILT).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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83
5	98	92	87	84	97	91	86	83	89	85	82	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	85	80	77	91	84	80	77	83	79	76	82	78	76	81	78	75	74
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72
9	86	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68

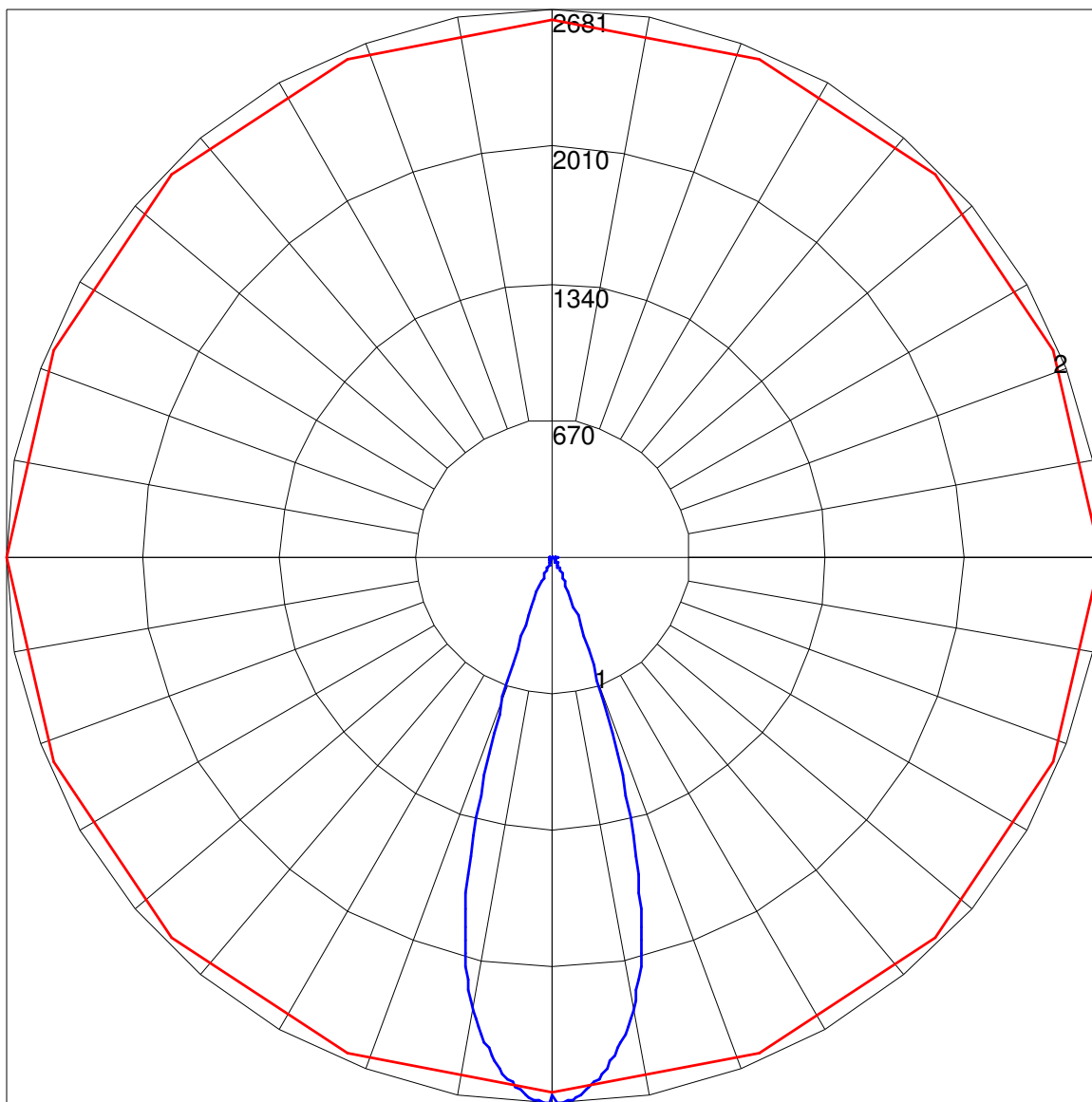
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L9-835-DIM-UNV-LW-OF-WH (0° TILT).IES

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	13.2	14.2	13.6	14.5	14.8	13.3	14.2	13.6	14.6	14.9
	3H	15.5	16.4	15.9	16.7	17.1	15.4	16.3	15.8	16.6	17.0
	4H	16.4	17.2	16.8	17.5	17.9	16.2	17.0	16.6	17.4	17.8
	6H	16.9	17.7	17.4	18.1	18.5	16.7	17.5	17.2	17.9	18.3
	8H	17.1	17.8	17.5	18.2	18.6	16.9	17.6	17.3	18.0	18.4
	12H	17.2	17.9	17.6	18.2	18.7	17.0	17.6	17.4	18.0	18.4
4H	2H	13.9	14.7	14.3	15.1	15.5	13.9	14.7	14.3	15.1	15.5
	3H	16.3	17.0	16.8	17.4	17.8	16.2	16.9	16.7	17.3	17.7
	4H	17.3	17.9	17.7	18.3	18.8	17.1	17.7	17.6	18.2	18.6
	6H	18.0	18.5	18.4	18.9	19.4	17.8	18.3	18.2	18.7	19.2
	8H	18.2	18.6	18.6	19.1	19.6	18.0	18.4	18.4	18.9	19.4
	12H	18.3	18.7	18.8	19.2	19.7	18.1	18.5	18.6	19.0	19.4
8H	4H	17.5	18.0	18.0	18.4	18.9	17.4	17.9	17.9	18.3	18.8
	6H	18.3	18.7	18.8	19.2	19.7	18.2	18.5	18.7	19.0	19.5
	8H	18.6	18.9	19.1	19.5	20.0	18.4	18.8	18.9	19.3	19.8
	12H	18.8	19.1	19.3	19.6	20.2	18.6	18.9	19.1	19.4	20.0
12H	4H	17.5	17.9	18.0	18.4	18.9	17.4	17.8	17.9	18.3	18.8
	6H	18.3	18.7	18.9	19.2	19.7	18.2	18.5	18.7	19.0	19.5
	8H	18.7	19.0	19.2	19.5	20.0	18.5	18.8	19.0	19.3	19.9

Maximum UGR = 20.2

POLAR GRAPH



Maximum Candela = 2680.522 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)