

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2AS-L15-840-DIM-UNV-RW-OF-CS (0° TILT)_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM TEST 13257190.31

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 8/10/2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] 2AS-L15-840-DIM-UNV-RW-OF-CS (0° TILT)

[LUMINAIRE] Aluminum housing, optics, and trim enclosure

[LAMP] One white LED

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

[MORE] hod of absolute photometry.

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Commercial, Healthcare, Office, Accent, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1257
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	27.9
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

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4910	5224	5185
55	5907	5568	5617
65	7097	5914	6440
75	3863	3219	3433
85	1275	1275	1275

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L15-840-DIM-UNV-RW-OF-CS (0° TILT)_.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	3975.471	3975.471	3975.471	3975.471	3975.471
0.5	4100.612	3985.527	3944.186	3943.068	3948.655
1.0	4095.026	3978.823	3939.716	3939.716	3946.420
1.5	4081.618	3968.767	3930.778	3931.895	3938.599
2.0	4064.858	3954.242	3917.370	3919.604	3926.308
2.5	4043.628	3936.364	3900.610	3902.844	3910.666
3.0	4020.164	3914.018	3880.498	3881.615	3889.436
3.5	3996.700	3887.202	3855.916	3859.268	3868.207
4.0	3965.415	3858.151	3826.866	3832.452	3842.508
4.5	3933.012	3826.866	3794.463	3803.402	3812.340
5.0	3897.258	3791.111	3759.826	3770.999	3779.938
5.5	3858.151	3753.122	3722.954	3736.362	3744.183
6.0	3820.162	3712.898	3683.847	3698.372	3707.311
6.5	3776.586	3671.556	3642.506	3657.031	3665.970
7.0	3731.892	3626.863	3597.812	3612.338	3622.394
7.5	3684.964	3581.052	3550.884	3566.527	3577.700
8.0	3633.567	3530.772	3501.722	3517.364	3528.538
8.5	3577.700	3474.906	3449.207	3465.967	3474.906
9.0	3521.834	3417.922	3396.692	3410.100	3421.274
9.5	3460.380	3359.820	3340.826	3353.116	3360.938
10.0	3394.458	3297.250	3281.607	3290.546	3296.133
10.5	3325.183	3230.210	3219.037	3225.741	3227.975
11.0	3252.557	3163.170	3154.231	3157.583	3155.349
11.5	3175.461	3090.543	3086.074	3087.191	3079.370
12.0	3092.778	3015.682	3016.799	3012.330	2996.687
12.5	3004.509	2936.351	2944.173	2930.765	2909.535
13.0	2907.301	2851.434	2868.194	2845.847	2814.562
13.5	2803.389	2764.282	2788.863	2755.343	2715.119
14.0	2692.773	2668.191	2709.533	2659.253	2608.973
14.5	2573.218	2567.631	2623.498	2558.693	2496.122
15.0	2445.842	2461.485	2536.346	2452.546	2376.567
15.5	2313.997	2349.751	2444.725	2343.047	2251.426
16.0	2174.330	2232.431	2351.986	2230.197	2122.933
16.5	2025.725	2112.877	2255.895	2112.877	1991.088
17.0	1874.885	1987.736	2156.453	1991.088	1854.773
17.5	1725.162	1860.360	2054.775	1868.181	1716.224
18.0	1574.322	1728.514	1949.746	1743.040	1576.557
18.5	1424.600	1596.669	1845.834	1617.898	1439.125
19.0	1278.229	1467.058	1740.805	1492.757	1305.045
19.5	1137.445	1337.448	1632.424	1369.850	1173.200
20.0	1008.170	1211.189	1526.277	1249.178	1048.505
20.5	883.922	1090.182	1419.013	1134.093	929.286
21.0	768.837	975.097	1312.866	1023.254	819.899
21.5	671.964	865.821	1208.954	917.777	718.669
22.0	574.756	763.921	1106.383	817.441	626.600
22.5	489.392	670.735	1007.723	724.255	543.471
23.0	414.195	584.477	912.861	639.115	468.721
23.5	349.167	508.163	822.469	561.125	402.575
24.0	294.194	438.888	736.211	490.509	344.697
24.5	246.372	376.318	654.981	426.263	293.076
25.0	206.371	322.127	579.896	368.608	249.389
25.5	173.298	274.417	511.180	318.105	211.735
26.0	145.030	233.076	447.715	273.411	179.220
26.5	122.348	198.103	390.061	234.528	151.622

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L15-840-DIM-UNV-RW-OF-CS (0° TILT).IES

CANDELA TABULATION - (Cont.)

27.0	103.353	167.935	338.999	200.896	128.605
27.5	88.046	142.236	293.076	171.734	109.722
28.0	75.643	120.895	252.294	147.153	93.856
28.5	65.476	103.130	216.874	125.923	80.671
29.0	57.207	88.158	185.701	108.046	69.833
29.5	50.503	75.867	159.332	93.186	61.230
30.0	45.140	65.699	136.650	80.448	53.967
30.5	40.783	57.319	116.873	69.945	48.157
31.0	37.207	50.280	100.448	61.230	43.576
31.5	34.079	44.805	86.593	53.855	39.665
32.0	31.509	40.336	74.750	47.822	36.425
32.5	29.162	36.537	64.917	43.017	33.520
33.0	27.486	33.408	56.649	38.995	31.062
33.5	25.922	30.727	49.833	35.643	29.162
34.0	24.581	28.380	44.246	32.850	27.263
34.5	23.352	26.481	39.442	30.503	25.922
35.0	22.235	24.917	35.531	28.269	24.581
35.5	21.341	23.576	32.291	26.481	23.576
36.0	20.559	22.347	29.609	24.917	22.682
36.5	19.889	21.341	27.486	23.576	21.900
37.0	19.218	20.335	25.587	22.458	21.118
37.5	18.659	19.553	24.023	21.565	20.447
38.0	18.101	18.883	22.682	20.671	19.889
38.5	17.654	18.213	21.565	19.889	19.330
39.0	17.095	17.654	20.559	19.330	18.883
39.5	16.760	17.207	19.777	18.659	18.324
40.0	16.313	16.760	18.995	18.213	17.877
40.5	15.978	16.425	18.324	17.654	17.430
41.0	15.643	16.090	17.766	17.319	16.983
41.5	15.419	15.754	17.319	16.872	16.648
42.0	15.084	15.419	16.872	16.537	16.313
42.5	14.861	15.196	16.425	16.201	15.978
43.0	14.637	14.972	16.090	15.866	15.643
43.5	14.414	14.749	15.754	15.531	15.419
44.0	14.302	14.525	15.419	15.307	15.196
44.5	14.078	14.414	15.196	15.084	14.861
45.0	13.967	14.190	14.861	14.861	14.749
45.5	13.855	14.078	14.749	14.637	14.525
46.0	13.743	13.967	14.525	14.414	14.302
46.5	13.743	13.855	14.302	14.302	14.190
47.0	13.631	13.743	14.190	14.078	14.078
47.5	13.520	13.631	14.078	13.967	13.855
48.0	13.520	13.631	13.855	13.855	13.743
48.5	13.520	13.520	13.743	13.743	13.631
49.0	13.520	13.520	13.631	13.631	13.520
49.5	13.520	13.408	13.520	13.520	13.520
50.0	13.408	13.408	13.408	13.408	13.408
50.5	13.408	13.408	13.408	13.408	13.296
51.0	13.408	13.296	13.296	13.296	13.296
51.5	13.408	13.296	13.296	13.296	13.185
52.0	13.520	13.296	13.185	13.185	13.185
52.5	13.520	13.296	13.185	13.185	13.185
53.0	13.520	13.296	13.073	13.185	13.073
53.5	13.520	13.296	13.073	13.073	13.073
54.0	13.520	13.296	12.961	13.073	13.073
54.5	13.631	13.296	12.961	13.073	13.073

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 2AS-L15-840-DIM-UNV-RW-OF-CS (0° TILT).IES****CANDELA TABULATION - (Cont.)**

55.0	13.631	13.296	12.849	13.073	12.961
55.5	13.631	13.296	12.849	12.961	12.961
56.0	13.631	13.296	12.738	12.961	12.961
56.5	13.631	13.296	12.738	12.961	12.961
57.0	13.631	13.296	12.626	12.961	12.961
57.5	13.743	13.296	12.626	12.849	12.849
58.0	13.743	13.296	12.514	12.849	12.849
58.5	13.631	13.296	12.402	12.738	12.849
59.0	13.631	13.185	12.291	12.738	12.738
59.5	13.631	13.185	12.179	12.626	12.738
60.0	13.631	13.073	12.067	12.514	12.626
60.5	13.520	12.961	11.955	12.402	12.514
61.0	13.520	12.961	11.732	12.291	12.402
61.5	13.408	12.849	11.620	12.179	12.291
62.0	13.296	12.626	11.397	12.067	12.067
62.5	13.073	12.514	11.173	11.844	11.955
63.0	12.961	12.402	10.950	11.620	11.732
63.5	12.738	12.179	10.726	11.509	11.509
64.0	12.514	11.955	10.503	11.285	11.397
64.5	12.291	11.732	10.279	11.062	11.173
65.0	12.067	11.397	10.056	10.726	10.950
65.5	11.844	11.173	9.721	10.503	10.615
66.0	11.509	10.950	9.386	10.279	10.391
66.5	11.173	10.615	9.162	9.944	10.168
67.0	10.950	10.279	8.827	9.721	9.833
67.5	10.615	9.944	8.492	9.386	9.609
68.0	10.279	9.609	8.157	9.162	9.274
68.5	9.944	9.274	7.821	8.827	8.939
69.0	9.609	8.939	7.486	8.492	8.715
69.5	9.162	8.603	7.151	8.157	8.380
70.0	8.827	8.268	6.816	7.821	7.933
70.5	8.380	7.821	6.481	7.486	7.598
71.0	7.933	7.486	6.145	7.151	7.263
71.5	7.598	7.039	5.810	6.704	6.816
72.0	7.151	6.704	5.475	6.369	6.481
72.5	6.592	6.257	5.140	5.922	6.034
73.0	6.145	5.810	4.693	5.587	5.587
73.5	5.698	5.475	4.358	5.140	5.140
74.0	5.140	5.028	4.022	4.805	4.581
74.5	4.581	4.581	3.687	4.358	4.134
75.0	4.022	4.134	3.352	3.911	3.575
75.5	3.464	3.687	3.129	3.464	3.017
76.0	2.793	3.240	2.793	3.017	2.570
76.5	2.346	2.682	2.458	2.570	1.899
77.0	2.011	2.346	2.235	2.123	1.564
77.5	1.564	2.011	2.011	1.788	1.117
78.0	1.229	1.788	1.676	1.453	1.117
78.5	1.006	1.453	1.564	1.117	1.006
79.0	1.006	1.229	1.341	1.006	1.006
79.5	0.894	1.006	1.117	1.006	0.894
80.0	0.894	0.894	1.006	0.894	0.894
80.5	0.782	0.894	0.894	0.894	0.782
81.0	0.782	0.782	0.782	0.782	0.782
81.5	0.670	0.782	0.782	0.782	0.670
82.0	0.670	0.670	0.670	0.670	0.670
82.5	0.670	0.670	0.670	0.670	0.670

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2AS-L15-840-DIM-UNV-RW-OF-CS (0° TILT).IES

CANDELA TABULATION - (Cont.)

83.0	0.559	0.559	0.559	0.559	0.559
83.5	0.559	0.559	0.559	0.559	0.559
84.0	0.447	0.447	0.559	0.559	0.447
84.5	0.447	0.447	0.447	0.447	0.447
85.0	0.447	0.447	0.447	0.447	0.447
85.5	0.335	0.335	0.335	0.447	0.335
86.0	0.335	0.335	0.335	0.335	0.335
86.5	0.335	0.335	0.335	0.335	0.335
87.0	0.223	0.223	0.223	0.335	0.223
87.5	0.223	0.223	0.223	0.223	0.223
88.0	0.223	0.223	0.223	0.223	0.223
88.5	0.112	0.112	0.223	0.223	0.112
89.0	0.112	0.112	0.112	0.112	0.112
89.5	0.112	0.112	0.112	0.112	0.112
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 2AS-L15-840-DIM-UNV-RW-OF-CS (0° TILT).IES

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-L15-840-DIM-UNV-RW-OF-CS (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-L15-840-DIM-UNV-RW-OF-CS (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-L15-840-DIM-UNV-RW-OF-CS (0° TILT)_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	993.40	N.A.	79.00
0-30	1197.59	N.A.	95.30
0-40	1218.72	N.A.	96.90
0-60	1241.99	N.A.	98.80
0-80	1256.72	N.A.	100.00
0-90	1257.2	N.A.	100.00
10-90	910.84	N.A.	72.50
20-40	225.33	N.A.	17.90
20-50	236.83	N.A.	18.80
40-70	33.85	N.A.	2.70
60-80	14.73	N.A.	1.20
70-80	4.14	N.A.	0.30
80-90	0.48	N.A.	0.00
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	1257.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	346.36
10-20	647.04
20-30	204.20
30-40	21.13
40-50	11.50
50-60	11.76
60-70	10.59
70-80	4.14
80-90	0.48
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-L15-840-DIM-UNV-RW-OF-CS (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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	98	93	90	102	97	93	90	94	91	89	93	90	88	91	89	87	85
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82
6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	86	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	77	74	79	76	74	79	76	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	74	71	70

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2AS-L15-840-DIM-UNV-RW-OF-CS (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

X=2H	Y=2H	9.9	10.8	10.3	11.2	11.5	UGR Viewed Endwise	9.6	10.6	10.0	10.9	11.2
	3H	12.1	12.9	12.5	13.3	13.6		11.7	12.5	12.1	12.8	13.2
	4H	12.5	13.2	12.9	13.6	14.0		12.0	12.8	12.4	13.2	13.5
	6H	12.4	13.1	12.8	13.5	13.9		12.0	12.7	12.4	13.1	13.4
	8H	12.4	13.0	12.8	13.4	13.8		11.9	12.6	12.4	13.0	13.4
	12H	12.3	13.0	12.8	13.3	13.8		11.9	12.5	12.3	12.9	13.3

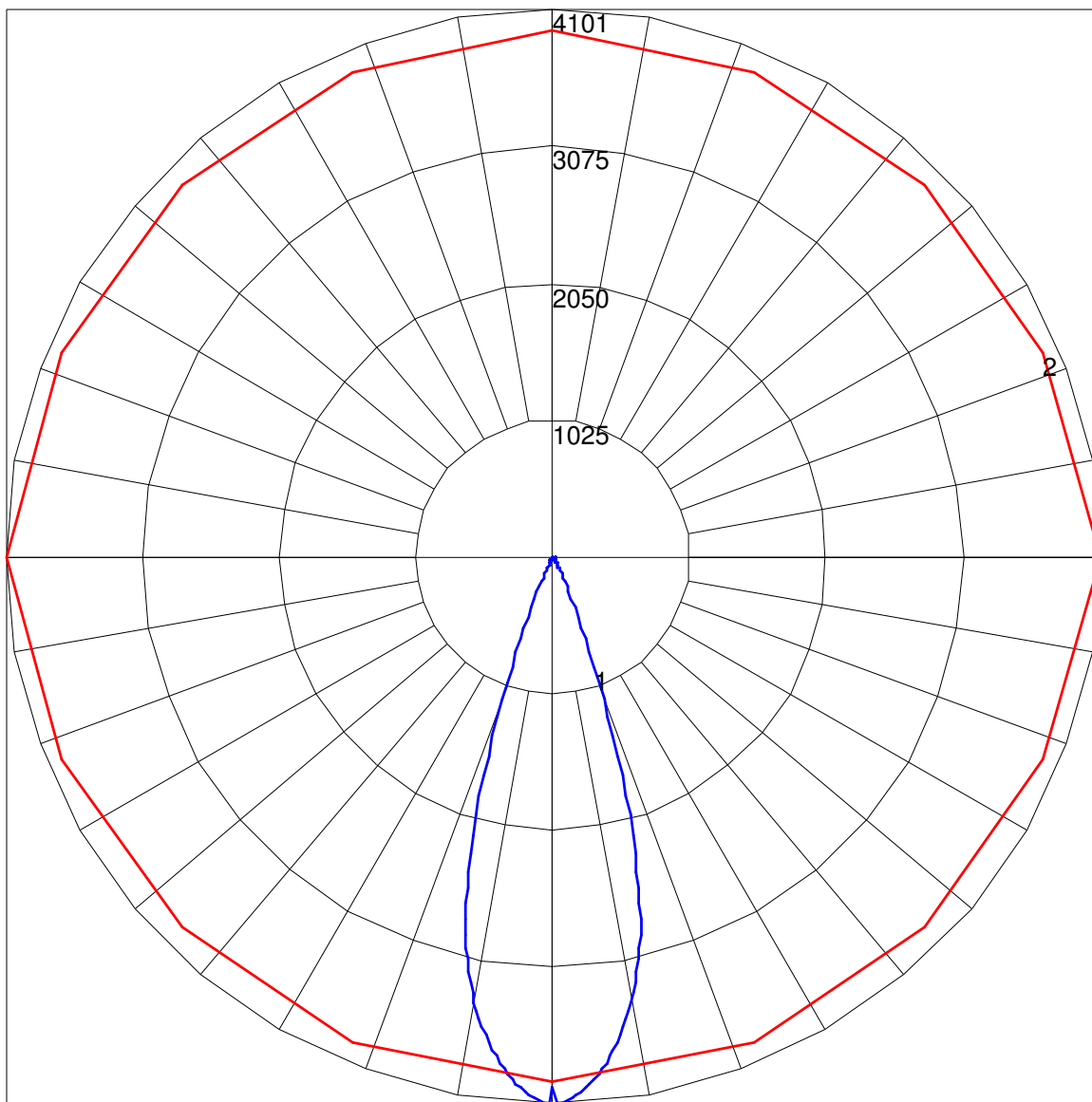
4H	2H	10.4	11.2	10.8	11.5	11.9	10.2	11.0	10.6	11.3	11.7
	3H	12.7	13.3	13.1	13.7	14.1	12.3	12.9	12.7	13.4	13.8
	4H	13.1	13.6	13.5	14.1	14.5	12.7	13.3	13.1	13.7	14.1
	6H	13.1	13.5	13.5	14.0	14.5	12.7	13.2	13.2	13.6	14.1
	8H	13.0	13.5	13.5	13.9	14.4	12.6	13.1	13.1	13.5	14.0
	12H	13.0	13.3	13.4	13.8	14.3	12.6	13.0	13.1	13.4	13.9

8H	4H	13.1	13.5	13.6	14.0	14.4	12.7	13.2	13.2	13.6	14.1
	6H	13.0	13.4	13.6	13.9	14.4	12.7	13.0	13.2	13.5	14.0
	8H	13.0	13.3	13.5	13.8	14.3	12.6	13.0	13.2	13.5	14.0
	12H	13.0	13.3	13.5	13.8	14.3	12.6	12.9	13.1	13.4	14.0

12H	4H	13.0	13.4	13.5	13.9	14.4	12.7	13.0	13.1	13.5	14.0
	6H	13.0	13.3	13.5	13.8	14.3	12.6	12.9	13.2	13.4	14.0
	8H	13.0	13.2	13.5	13.7	14.3	12.6	12.9	13.1	13.4	14.0

Maximum UGR = 14.5

POLAR GRAPH



Maximum Candela = 4100.612 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.)