



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : AX2WU-2-L16-935-S-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 18753.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 04-01-2020

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836

[LUMINAIRE] 2' WALL MOUNT INDIRECT LED LUMINAIRE

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] AX2WU-2-L16-935-S-DIM-UNV

[LAMPCAT] HLM 90 CRI, 3500K CCT

[\_SEARCH\_SOURCE] LED

[\_SEARCH\_APPLICATION] INDOOR, ARCHITECTURAL, OFFICE, CORRIDOR, MEDICAL, LINEAR, INDIRECT

[\_SEARCH\_MOUNTING] WALL

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1410
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	19
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.85 ft
Luminous Width (90-270)	0.18 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	214
55	0	192	456
65	0	424	913
75	0	1065	2130
85	158	4111	7432

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AX2WU-2-L16-935-S-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>
<b>0</b>	0.000	0.000	0.000	0.000	0.000
<b>5</b>	0.000	0.000	0.000	0.000	0.000
<b>10</b>	0.000	0.000	0.000	0.000	0.000
<b>15</b>	0.000	0.000	0.000	0.000	0.000
<b>20</b>	0.000	0.000	0.000	0.000	0.000
<b>25</b>	0.000	0.000	0.000	0.000	0.000
<b>30</b>	0.000	0.000	0.000	0.000	0.000
<b>35</b>	0.000	0.000	0.000	0.000	0.000
<b>40</b>	0.000	0.000	0.000	0.000	3.471
<b>45</b>	0.000	0.000	0.000	2.603	4.772
<b>50</b>	0.000	0.000	2.603	5.206	6.942
<b>55</b>	0.000	0.000	3.471	7.809	8.243
<b>60</b>	0.000	0.000	4.772	8.243	10.412
<b>65</b>	0.000	0.000	5.640	10.412	12.148
<b>70</b>	0.000	3.471	8.243	13.015	15.185
<b>75</b>	0.000	3.037	8.677	13.883	17.354
<b>80</b>	0.000	3.471	9.545	16.052	19.089
<b>85</b>	0.434	3.905	11.280	17.788	20.391
<b>90</b>	3.905	7.809	16.052	24.295	27.332
<b>95</b>	17.354	21.692	29.502	37.745	42.083
<b>100</b>	42.083	46.855	52.062	59.437	64.209
<b>105</b>	72.886	76.357	77.658	85.468	88.938
<b>110</b>	107.594	110.631	108.028	113.668	117.138
<b>115</b>	143.603	147.942	142.302	146.206	144.905
<b>120</b>	185.686	187.422	181.348	183.083	177.443
<b>125</b>	226.902	231.674	222.563	221.695	213.452
<b>130</b>	269.418	274.625	263.778	259.874	254.234
<b>135</b>	314.538	320.612	306.295	305.428	297.618
<b>140</b>	358.357	367.034	351.849	350.548	342.738
<b>145</b>	402.175	410.418	398.271	389.160	384.821
<b>150</b>	440.788	452.935	441.655	431.243	430.809
<b>155</b>	487.209	489.378	478.966	471.157	469.421
<b>160</b>	516.711	517.578	508.034	501.960	499.357
<b>165</b>	536.668	539.705	533.197	526.689	524.086
<b>170</b>	551.852	556.191	549.249	547.514	545.778
<b>175</b>	560.963	566.169	561.397	558.360	558.794
<b>180</b>	565.735	565.735	565.735	565.735	565.735

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AX2WU-2-L16-935-S-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.07	N.A.	0.00
0-60	4.60	N.A.	0.30
0-80	19.72	N.A.	1.40
0-90	32.63	N.A.	2.30
10-90	32.63	N.A.	2.30
20-40	0.07	N.A.	0.00
20-50	1.21	N.A.	0.10
40-70	10.43	N.A.	0.70
60-80	15.13	N.A.	1.10
70-80	9.23	N.A.	0.70
80-90	12.91	N.A.	0.90
90-110	120.49	N.A.	8.50
90-120	265.27	N.A.	18.80
90-130	465.77	N.A.	33.00
90-150	953.98	N.A.	67.70
90-180	1377.36	N.A.	97.70
110-180	1256.87	N.A.	89.10
0-180	1409.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.07
40-50	1.13
50-60	3.39
60-70	5.90
70-80	9.23
80-90	12.91
90-100	34.92
100-110	85.58
110-120	144.78
120-130	200.50
130-140	239.17
140-150	249.04
150-160	220.07
160-170	150.06
170-180	53.25

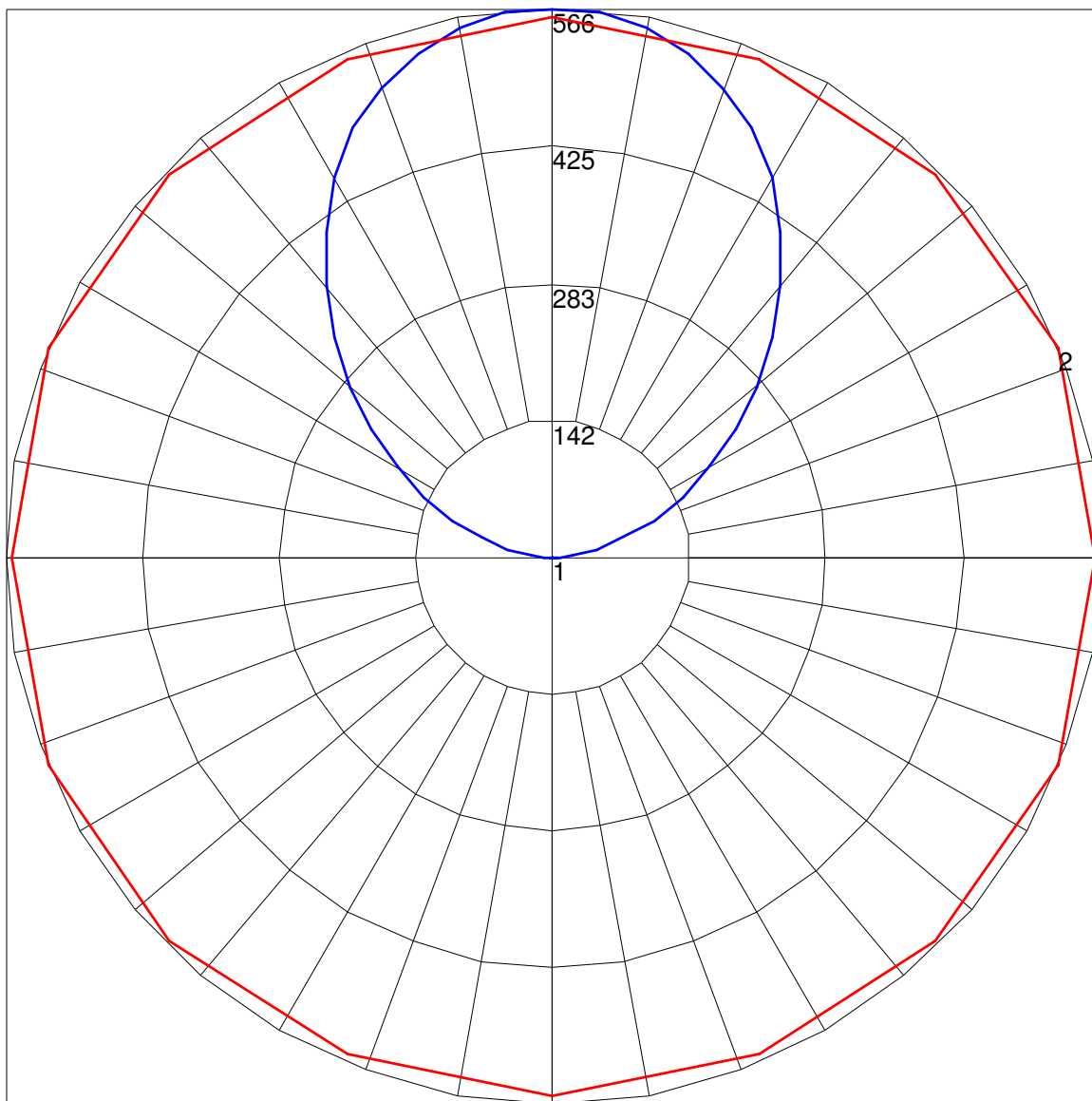
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AX2WU-2-L16-935-S-DIM-UNV\_.IES**

**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	96	96	96	96	82	82	82	82	57	57	57	34	34	34	12	12	12	2
1	87	82	79	75	74	71	68	65	49	47	45	29	28	27	10	10	9	1
2	79	72	66	61	67	62	57	53	42	40	37	25	23	22	9	8	8	1
3	72	63	56	50	61	54	48	44	37	34	31	22	20	18	8	7	6	0
4	65	55	48	42	56	47	41	37	33	29	26	19	17	15	7	6	5	0
5	60	49	41	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0
6	55	44	36	31	47	37	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	26	43	34	27	23	23	19	16	14	11	10	5	4	3	0
8	46	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	12	11	9	7	4	3	3	0
10	40	29	22	18	34	25	19	15	17	14	11	10	8	7	4	3	2	0

POLAR GRAPH



Maximum Candela = 566.169 Located At Horizontal Angle = 22.5, Vertical Angle = 175  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)