



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : AXA-8-L8-835-S-LVRS-DIM-UNV.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 18718.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 19-FEB-2015

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

[LUMINAIRE] 2-56LED 22"ARRAYS 8'SUSPEND BIDIRECT WHITE REFL LUMINAIRE

[MORE] 23PER SIDE .125"x2"SLOTS w/WHT ACRYLIC OVERLAY & 24CELL

[MORE] 2"OC 1.25"DP WHT BLADE LVR w/OVERLAY EVERLINE #D21CC80UNV

[LUMCAT] AXA-8-L8-835-S-LVRS-DIM-UNV

[LAMPCAT] HLM22568835

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6482
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	57.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.04
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.26 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9967	5244	3541
55	7705	3043	2156
65	5653	1942	1595
75	3741	1153	873
85	2656	413	319

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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	3602.304	3602.304	3602.304	3602.304	3602.304
5	3497.371	3497.371	3503.333	3516.449	3521.219
10	3407.939	3412.709	3430.595	3461.598	3484.254
15	3201.650	3204.035	3224.306	3260.079	3289.889
20	3060.945	3063.329	3069.292	3094.332	3133.682
25	2727.067	2723.489	2703.218	2696.064	2735.414
30	2426.577	2409.883	2350.262	2288.256	2312.104
35	2163.052	2127.279	2016.384	1891.180	1864.946
40	1886.410	1832.751	1668.197	1472.640	1401.095
45	1694.430	1614.538	1390.363	1139.954	1067.217
50	1366.514	1271.121	1038.599	833.502	788.190
55	1076.756	978.978	760.765	646.292	629.598
60	802.499	710.683	562.823	523.473	521.088
65	595.018	517.511	441.196	428.079	436.426
70	400.653	358.919	333.878	327.916	320.761
75	252.793	242.061	227.752	218.213	215.828
80	158.592	152.630	139.513	135.936	134.744
85	73.930	67.968	66.776	65.583	67.968
90	7.155	11.924	14.309	16.694	17.886
95	1.192	5.962	11.924	14.309	16.694
100	2.385	8.347	11.924	14.309	17.886
105	2.385	8.347	13.117	16.694	17.886
110	5.962	13.117	16.694	19.079	19.079
115	7.155	11.924	17.886	20.271	20.271
120	8.347	16.694	20.271	23.848	23.848
125	14.309	20.271	25.041	28.618	27.426
130	17.886	25.041	28.618	29.811	29.811
135	16.694	22.656	27.426	28.618	28.618
140	22.656	28.618	31.003	33.388	31.003
145	27.426	31.003	33.388	35.773	33.388
150	31.003	34.580	35.773	39.350	35.773
155	33.388	35.773	39.350	40.542	36.965
160	33.388	34.580	36.965	40.542	36.965
165	35.773	38.157	41.735	46.504	41.735
170	35.773	35.773	36.965	40.542	38.157
175	36.965	36.965	36.965	40.542	35.773
180	35.773	35.773	35.773	35.773	35.773

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1249.56	N.A.	19.30
0-30	2498.65	N.A.	38.50
0-40	3753.41	N.A.	57.90
0-60	5542.61	N.A.	85.50
0-80	6266.24	N.A.	96.70
0-90	6346.07	N.A.	97.90
10-90	6012.67	N.A.	92.80
20-40	2503.85	N.A.	38.60
20-50	3558.29	N.A.	54.90
40-70	2262.14	N.A.	34.90
60-80	723.62	N.A.	11.20
70-80	250.69	N.A.	3.90
80-90	79.84	N.A.	1.20
90-110	25.83	N.A.	0.40
90-120	42.31	N.A.	0.70
90-130	63.22	N.A.	1.00
90-150	104.52	N.A.	1.60
90-180	136.32	N.A.	2.10
110-180	110.49	N.A.	1.70
0-180	6482.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	333.41
10-20	916.15
20-30	1249.1
30-40	1254.75
40-50	1054.44
50-60	734.77
60-70	472.94
70-80	250.69
80-90	79.84
90-100	12.44
100-110	13.39
110-120	16.48
120-130	20.91
130-140	20.78
140-150	20.52
150-160	17.12
160-170	11.11
170-180	3.57

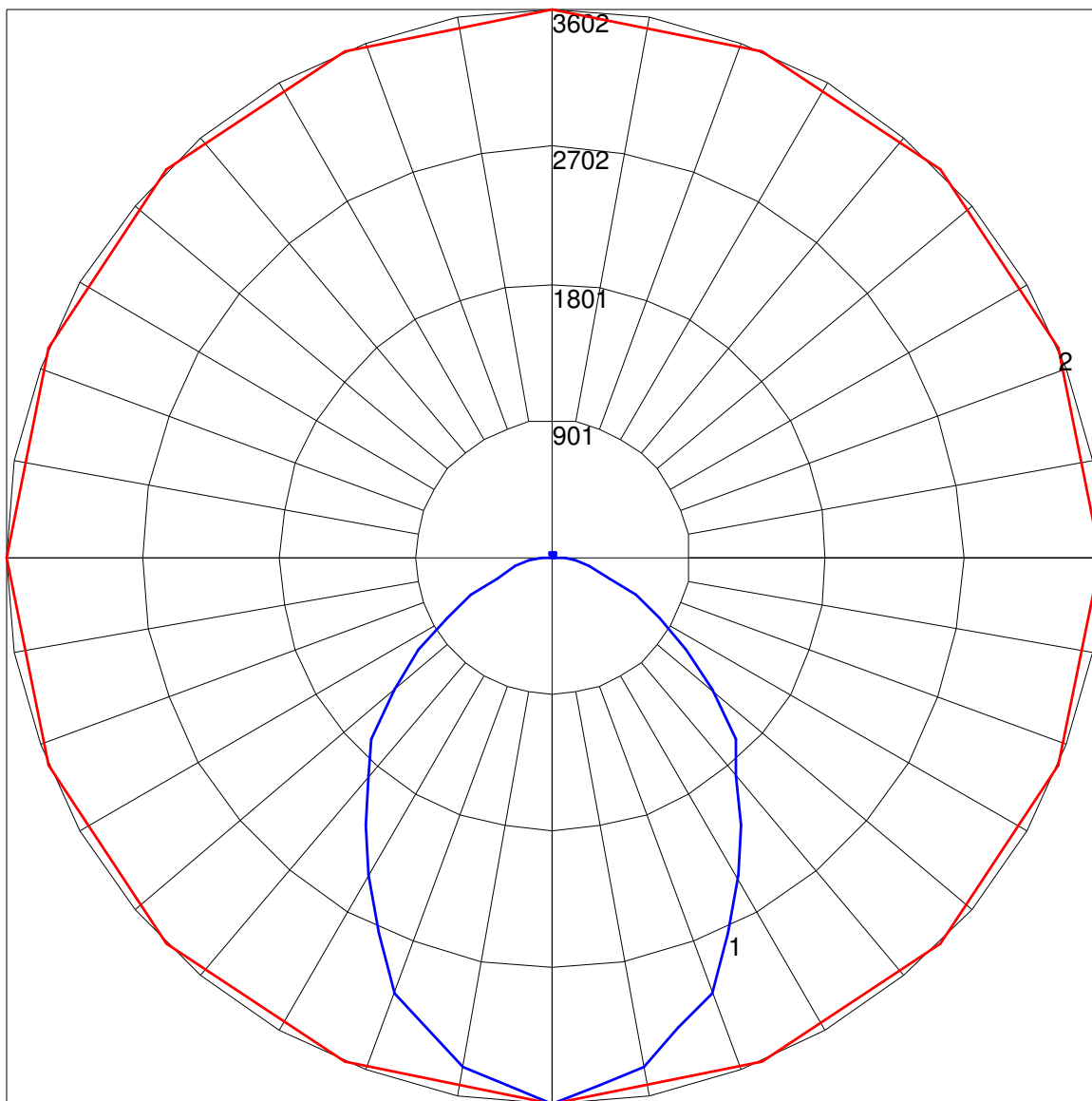
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	124	124	124	124	121	121	121	121	115	115	115	110	110	110	105	105	105	102
1	115	111	107	103	112	108	105	101	103	100	98	99	97	95	95	93	91	89
2	106	99	92	87	103	97	91	86	93	88	84	89	85	82	86	82	80	77
3	98	88	81	75	95	87	80	74	83	77	73	80	75	71	77	73	70	68
4	91	80	72	65	88	78	71	65	75	69	64	73	67	63	70	66	62	60
5	84	72	64	58	82	71	63	57	69	62	57	66	61	56	64	59	55	53
6	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48
7	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
8	69	56	48	42	67	55	47	42	53	47	42	52	46	41	51	45	41	39
9	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36
10	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33

POLAR GRAPH



Maximum Candela = 3602.304 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)