



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AXA-8-L14-835-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

[LUMCAT] AXA-8-L14-835-S-LVRS-DIM-UNV

[LAMPCAT] HLM22568835

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11289
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	107.6
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	17357	9132	6166
55	13417	5300	3755
65	9844	3381	2777
75	6515	2008	1521
85	4626	718	556

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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	6273.106	6273.106	6273.106	6273.106	6273.106
5	6090.374	6090.374	6100.757	6123.598	6131.904
10	5934.637	5942.943	5974.090	6028.079	6067.533
15	5575.402	5579.555	5614.856	5677.151	5729.063
20	5330.375	5334.528	5344.911	5388.517	5457.042
25	4748.955	4742.726	4707.425	4694.966	4763.491
30	4225.677	4196.606	4092.781	3984.803	4026.333
35	3766.771	3704.476	3511.361	3293.329	3247.646
40	3285.023	3191.580	2905.023	2564.477	2439.887
45	2950.706	2811.581	2421.199	1985.134	1858.467
50	2379.669	2213.549	1808.631	1451.473	1372.566
55	1875.079	1704.806	1324.807	1125.463	1096.392
60	1397.484	1237.594	980.108	911.583	907.430
65	1036.173	901.201	768.305	745.463	759.999
70	697.704	625.026	581.420	571.037	558.578
75	440.218	421.529	396.611	379.999	375.846
80	276.174	265.792	242.950	236.721	234.644
85	128.743	118.360	116.284	114.207	118.360
90	12.459	20.765	24.918	29.071	31.147
95	2.076	10.382	20.765	24.918	29.071
100	4.153	14.535	20.765	24.918	31.147
105	4.153	14.535	22.841	29.071	31.147
110	10.382	22.841	29.071	33.224	33.224
115	12.459	20.765	31.147	35.300	35.300
120	14.535	29.071	35.300	41.530	41.530
125	24.918	35.300	43.606	49.836	47.759
130	31.147	43.606	49.836	51.912	51.912
135	29.071	39.453	47.759	49.836	49.836
140	39.453	49.836	53.989	58.142	53.989
145	47.759	53.989	58.142	62.295	58.142
150	53.989	60.218	62.295	68.524	62.295
155	58.142	62.295	68.524	70.601	64.371
160	58.142	60.218	64.371	70.601	64.371
165	62.295	66.448	72.677	80.983	72.677
170	62.295	62.295	64.371	70.601	66.448
175	64.371	64.371	64.371	70.601	62.295
180	62.295	62.295	62.295	62.295	62.295

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2176.00	N.A.	19.30
0-30	4351.19	N.A.	38.50
0-40	6536.24	N.A.	57.90
0-60	9651.99	N.A.	85.50
0-80	10912.12	N.A.	96.70
0-90	11051.15	N.A.	97.90
10-90	10470.55	N.A.	92.80
20-40	4360.24	N.A.	38.60
20-50	6196.46	N.A.	54.90
40-70	3939.33	N.A.	34.90
60-80	1260.13	N.A.	11.20
70-80	436.55	N.A.	3.90
80-90	139.03	N.A.	1.20
90-110	44.99	N.A.	0.40
90-120	73.68	N.A.	0.70
90-130	110.09	N.A.	1.00
90-150	182.01	N.A.	1.60
90-180	237.39	N.A.	2.10
110-180	192.40	N.A.	1.70
0-180	11288.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	580.60
10-20	1595.4
20-30	2175.19
30-40	2185.05
40-50	1836.21
50-60	1279.54
60-70	823.58
70-80	436.55
80-90	139.03
90-100	21.67
100-110	23.32
110-120	28.69
120-130	36.41
130-140	36.19
140-150	35.73
150-160	29.81
160-170	19.35
170-180	6.22

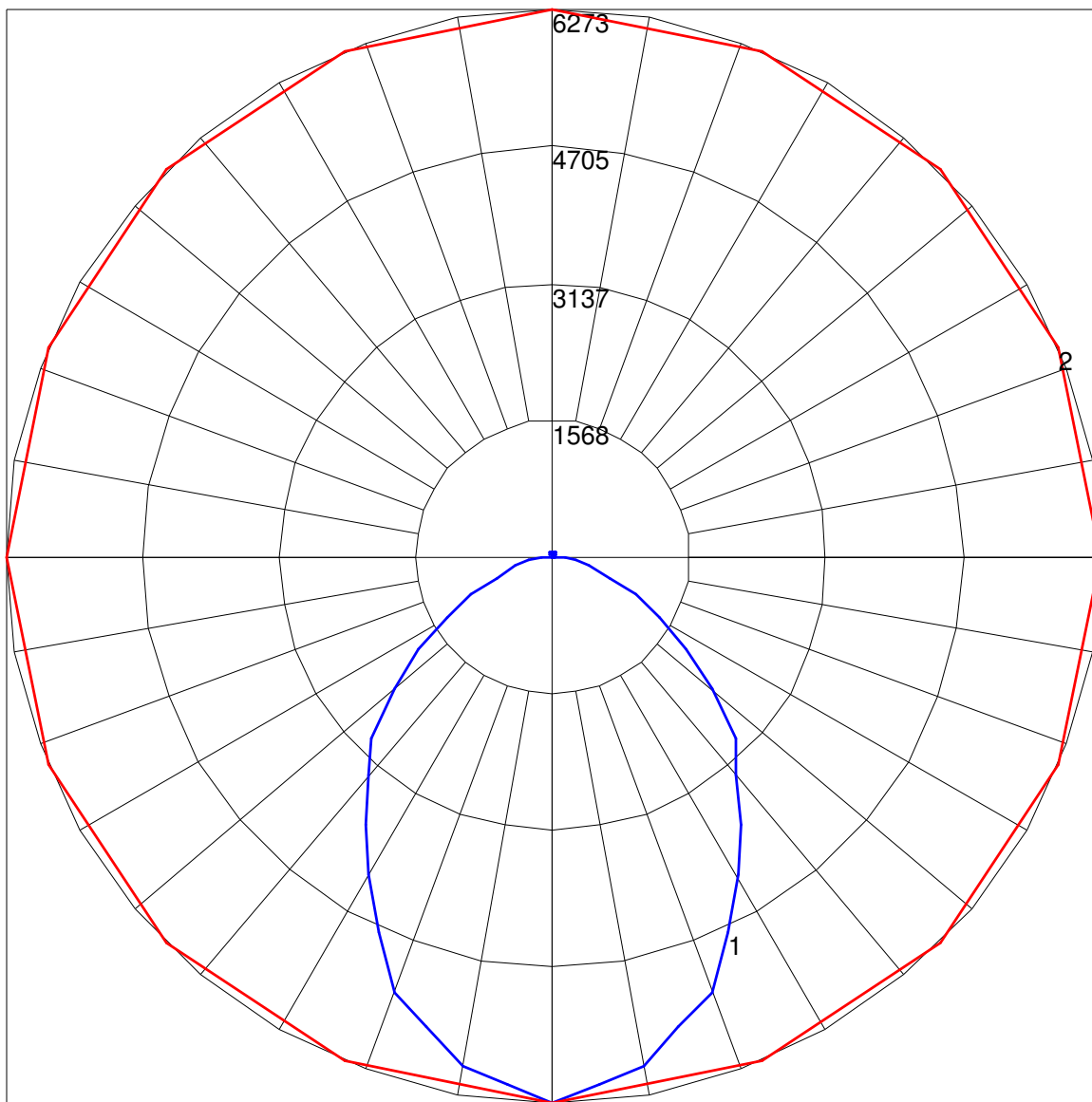
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	216	216	216	216	210	210	210	210	200	200	200	191	191	191	182	182	182	178
1	200	193	186	180	195	188	182	177	180	175	170	172	168	165	165	162	159	155
2	185	172	161	152	180	168	158	150	161	153	146	155	148	142	149	143	138	135
3	171	154	141	131	166	151	139	129	145	135	127	140	131	124	135	128	121	118
4	158	139	125	114	154	136	123	113	131	120	111	127	117	109	123	114	107	104
5	147	126	111	101	143	124	110	100	120	108	99	116	105	97	112	103	96	92
6	137	115	100	90	133	113	99	89	110	97	88	106	95	87	103	94	86	83
7	128	105	91	81	124	104	90	80	101	89	80	98	87	79	95	86	78	75
8	120	97	83	73	117	96	82	73	93	81	72	91	80	72	88	79	71	68
9	112	90	76	67	110	89	76	67	86	75	66	84	73	66	82	72	65	62
10	106	84	70	61	103	83	70	61	81	69	61	79	68	60	77	67	60	57

POLAR GRAPH



Maximum Candela = 6273.106 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.)