



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AVX-4-L62-835-CPC-DIM-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 18152.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE]DATE] 13-MAY-2014

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 4-(56LED)22"BOARDS 4'SUSPENDED WHITE REFLECTOR LUMINAIRE

[MORE] .045" FROSTED ACRYLIC INNER LENS & .15" CLEAR ACRYLIC RIBBED

[MORE] OUTER LENS 2 EVERLINE DRIVERS #D15CCUNVT-C

[LUMCAT] AVX-4-L62-835-CPC-DIM

[LAMPCAT] HLM 80 CRI 3500K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6253
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	57
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.52
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.04 ft
Luminous Width (90-270)	0.58 ft
Luminous Height	0.05 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6277	9123	11153
55	5177	8549	10645
65	4147	7995	10063
75	2502	6663	8757
85	1110	5702	8730

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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	2043.109	2043.109	2043.109	2043.109	2043.109
5	2055.262	2055.262	2067.414	2075.993	2083.142
10	1989.493	2003.076	2044.539	2088.861	2107.447
15	1886.551	1916.576	2003.076	2075.993	2109.592
20	1807.915	1855.812	2004.506	2136.757	2189.658
25	1616.329	1674.949	1861.531	2038.105	2105.303
30	1448.334	1509.098	1761.449	1983.059	2053.117
35	1326.091	1385.425	1721.416	1978.770	2053.117
40	1138.079	1190.265	1599.887	1868.680	1944.456
45	985.096	1035.852	1515.532	1804.341	1882.262
50	812.811	860.708	1341.103	1619.904	1689.246
55	662.688	708.440	1185.260	1451.193	1508.383
60	526.147	569.039	1002.968	1232.442	1276.764
65	394.610	442.507	854.989	1065.877	1110.199
70	261.644	318.119	674.841	855.704	895.737
75	148.694	200.879	479.680	629.089	661.973
80	71.487	110.805	325.267	457.519	488.974
85	24.306	49.326	198.735	305.966	336.705
90	6.434	16.442	93.648	165.851	188.727
95	0.000	0.000	28.595	78.636	95.793
100	0.000	0.000	0.000	24.306	34.314
105	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	765.65	N.A.	12.20
0-30	1627.1	N.A.	26.00
0-40	2675.59	N.A.	42.80
0-60	4766.04	N.A.	76.20
0-80	5995.45	N.A.	95.90
0-90	6200.93	N.A.	99.20
10-90	6004.66	N.A.	96.00
20-40	1909.95	N.A.	30.50
20-50	3013.65	N.A.	48.20
40-70	2855.93	N.A.	45.70
60-80	1229.41	N.A.	19.70
70-80	463.93	N.A.	7.40
80-90	205.48	N.A.	3.30
90-110	52.32	N.A.	0.80
90-120	52.32	N.A.	0.80
90-130	52.32	N.A.	0.80
90-150	52.32	N.A.	0.80
90-180	52.32	N.A.	0.80
110-180	0.00	N.A.	0.00
0-180	6253.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	196.28
10-20	569.37
20-30	861.45
30-40	1048.49
40-50	1103.7
50-60	986.75
60-70	765.48
70-80	463.93
80-90	205.48
90-100	49.54
100-110	2.77
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

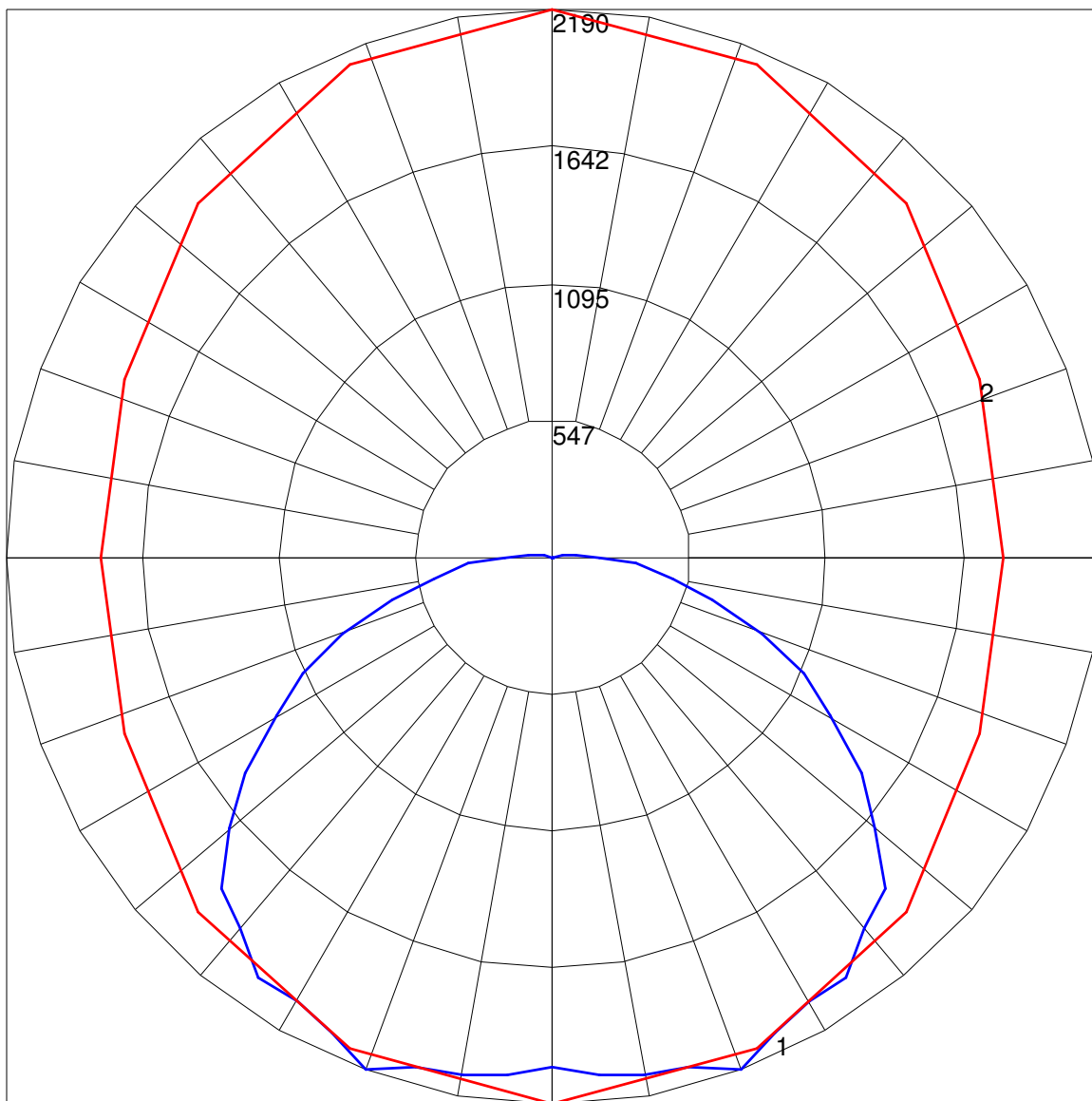
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	120	120	120	120	117	117	117	117	112	112	112	107	107	107	102	102	102	100
1	109	104	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	82
2	99	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	70	68
3	90	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	70	61	54	80	68	60	53	66	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	70	56	47	40	68	55	46	40	53	45	40	51	44	39	50	43	39	37
7	65	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31	41	35	31	29
9	56	42	34	28	55	42	34	28	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	37	30	25	36	30	25	36	29	25	23

POLAR GRAPH



Maximum Candela = 2189.658 Located At Horizontal Angle = 90, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)