



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AVX-4-L62-8TW-CPC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20624.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 17-OCT-2018

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

[LUMINAIRE] 4-56 LED ARRAYS 4'SURFACE MNT LUMINAIRE w/WHITE REFL

[MORE] WHITE FROST INTERIOR LENS w/CLEAR POLYCARB LENS

[LUMCAT] AVX-4-L62-8TW-CPC

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6261
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.64
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.90 ft
Luminous Width (90-270)	0.58 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6446	9246	11409
55	5677	8813	11022
65	4659	8118	10008
75	2500	6729	8545
85	580	5077	7151

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AVX-4-L62-8TW-CPC.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1896.966	1896.966	1896.966	1896.966	1896.966
5	1902.028	1892.537	1897.599	1911.519	1915.315
10	1851.408	1862.798	1904.559	1945.687	1964.037
15	1772.315	1813.444	1905.824	1973.528	2004.532
20	1663.483	1733.085	1883.045	2000.103	2040.599
25	1547.059	1638.806	1857.103	2017.187	2082.993
30	1412.284	1523.014	1803.320	2027.311	2114.630
35	1266.753	1403.426	1726.125	2002.001	2081.094
40	1120.589	1243.974	1629.315	1930.501	2009.594
45	978.222	1083.890	1502.134	1824.833	1888.107
50	833.956	923.173	1357.868	1678.036	1726.758
55	703.611	766.885	1201.580	1495.174	1541.364
60	572.633	622.620	1033.903	1314.842	1331.926
65	430.266	480.885	861.164	1071.235	1100.341
70	284.735	350.540	670.708	852.306	883.943
75	144.898	219.562	488.478	635.907	655.523
80	54.416	115.792	321.434	430.899	458.739
85	12.655	39.863	187.292	270.814	294.226
90	0.000	9.491	86.053	144.898	161.982
95	0.000	0.000	25.310	62.642	74.031
100	0.000	0.000	3.164	15.819	20.881
105	0.000	0.000	0.000	3.164	4.429
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AVX-4-L62-8TW-CPC.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	717.15	N.A.	11.50
0-30	1562.13	N.A.	24.90
0-40	2624.19	N.A.	41.90
0-60	4775.27	N.A.	76.30
0-80	6030.21	N.A.	96.30
0-90	6217.45	N.A.	99.30
10-90	6035.81	N.A.	96.40
20-40	1907.04	N.A.	30.50
20-50	3032.26	N.A.	48.40
40-70	2939.52	N.A.	46.90
60-80	1254.93	N.A.	20.00
70-80	466.49	N.A.	7.50
80-90	187.25	N.A.	3.00
90-110	43.72	N.A.	0.70
90-120	43.72	N.A.	0.70
90-130	43.72	N.A.	0.70
90-150	43.72	N.A.	0.70
90-180	43.72	N.A.	0.70
110-180	0.00	N.A.	0.00
0-180	6261.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	181.64
10-20	535.52
20-30	844.98
30-40	1062.06
40-50	1125.22
50-60	1025.85
60-70	788.44
70-80	466.49
80-90	187.25
90-100	41.04
100-110	2.68
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

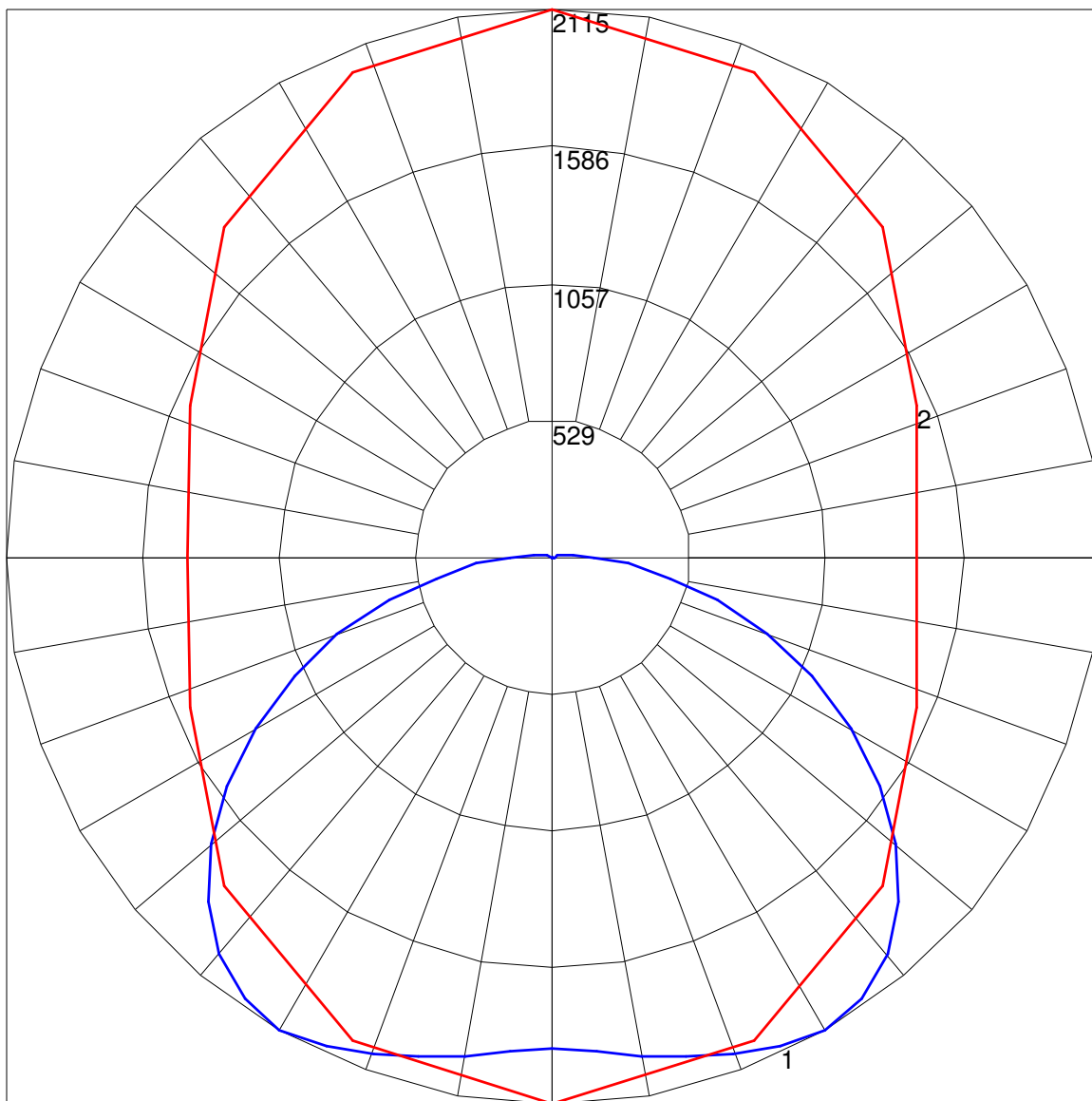
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AVX-4-L62-8TW-CPC.IES

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	75	75	75	75	73	73	73	73	70	70	70	67	67	67	64	64	64	63
1	68	65	62	60	66	64	61	59	61	59	57	58	56	55	56	54	53	52
2	62	56	52	48	60	55	51	48	53	49	46	51	48	45	49	46	44	43
3	56	49	44	40	55	48	43	39	46	42	39	45	41	38	43	40	37	36
4	51	44	38	33	50	43	37	33	41	36	33	39	35	32	38	35	32	30
5	47	39	33	29	46	38	33	28	37	32	28	35	31	28	34	30	27	26
6	43	35	29	25	42	34	29	25	33	28	24	32	28	24	31	27	24	23
7	40	31	26	22	39	31	26	22	30	25	22	29	25	21	28	24	21	20
8	37	29	23	19	36	28	23	19	27	23	19	26	22	19	26	22	19	18
9	35	26	21	17	34	26	21	17	25	20	17	24	20	17	24	20	17	16
10	33	24	19	16	32	24	19	16	23	19	16	23	18	15	22	18	15	14

POLAR GRAPH



Maximum Candela = 2114.63 Located At Horizontal Angle = 90, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)