



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-L12-8TW-DIM-UNV-OW-OF-CS_25 DEGREE TILT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20390.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 16-MAY-2018

[MANUFAC] WILLIAM INDOOR

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

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"RND ADJ DOWNLIGHT @25 TILT

[MORE] ACRYLIC WIDE TIR OPTIC & 6"OPEN ASYM SEMI-SPEC TRIM

[MORE] ADVANCE # XI025C070V054DSM5 @ 530mA

[LUMCAT] 6AR-L12-8TW-DIM-UNV-OW-OF-CS_25 DEG TILT

[LAMPCAT] BXRE-35E2000

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Industrial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1104
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	14.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	73520	9195	477
55	1069	107	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-L12-8TW-DIM-UNV-OW-OF-CS_25 DEGREE TILT.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	1458.80	1458.80	1458.80	1458.80	1458.80	1458.80	1458.80	1458.80	1458.80
5	2037.84	1953.84	1796.48	1558.48	1292.48	1052.24	899.92	766.08	726.32
10	2119.04	2009.28	1738.80	1398.88	1013.04	688.80	484.96	372.96	352.80
15	2133.60	1891.12	1592.64	1229.20	739.76	409.92	247.52	176.96	173.60
20	1968.96	1768.48	1494.64	1037.12	498.40	218.40	127.12	91.28	85.12
25	1634.64	1661.52	1424.08	823.20	302.96	114.24	68.32	53.20	51.52
30	1490.72	1547.84	1283.52	586.88	160.16	57.12	36.40	28.56	26.32
35	1451.52	1447.04	1068.48	296.80	61.04	24.64	14.56	11.76	11.20
40	1400.56	1267.28	571.20	90.16	20.16	8.96	7.28	6.16	6.16
45	949.20	589.68	118.72	15.68	6.16	3.36	3.36	3.36	3.36
50	197.68	98.00	11.76	3.36	1.68	0.56	1.12	1.12	1.68
55	11.20	6.72	1.12	0.00	0.00	0.00	0.00	0.00	1.12
60	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6AR-L12-8TW-DIM-UNV-OW-OF-CS_25 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	383.92	N.A.	34.80
0-30	689.61	N.A.	62.50
0-40	971.00	N.A.	88.00
0-60	1103.97	N.A.	100.00
0-80	1103.98	N.A.	100.00
0-90	1103.98	N.A.	100.00
10-90	982.71	N.A.	89.00
20-40	587.08	N.A.	53.20
20-50	713.35	N.A.	64.60
40-70	132.98	N.A.	12.00
60-80	0.01	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1103.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

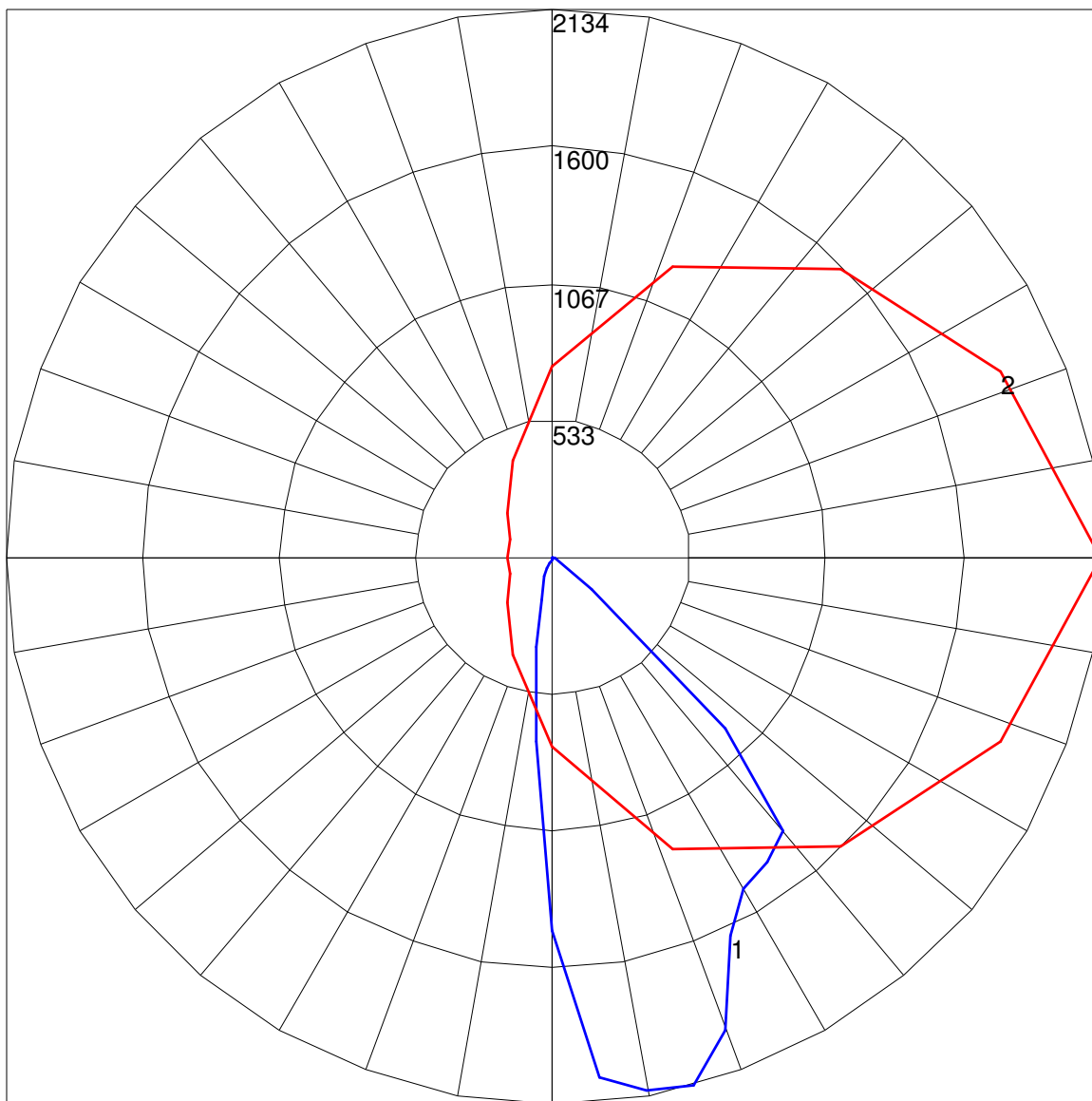
Zone	Lumens
0-10	121.27
10-20	262.65
20-30	305.69
30-40	281.39
40-50	126.28
50-60	6.70
60-70	0.01
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6AR-L12-8TW-DIM-UNV-OW-OF-CS_25 DEGREE TILT.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	67	67	67	67	65	65	65	65	62	62	62	60	60	60	57	57	57	56
1	63	62	60	59	62	61	59	58	58	57	56	56	56	55	54	54	53	52
2	60	57	55	53	59	56	54	53	55	53	51	53	52	50	51	50	49	48
3	57	53	50	48	56	53	50	48	51	49	47	50	48	46	48	47	46	45
4	54	50	46	44	53	49	46	44	48	45	43	47	44	43	46	44	42	41
5	51	46	43	40	50	46	43	40	45	42	40	44	41	39	43	41	39	38
6	48	43	40	37	47	43	39	37	42	39	37	41	39	37	40	38	36	35
7	46	40	37	34	45	40	37	34	39	36	34	39	36	34	38	36	34	33
8	43	38	34	32	43	38	34	32	37	34	32	36	34	32	36	33	32	31
9	41	36	32	30	41	35	32	30	35	32	30	34	32	30	34	31	30	29
10	39	34	30	28	39	33	30	28	33	30	28	32	30	28	32	30	28	27

POLAR GRAPH



Maximum Candela = 2133.6 Located At Horizontal Angle = 0, Vertical Angle = 15

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

2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)