



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-L12-8TW-DIM-UNV-AM-OF-WH_25 DEGREE TILT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20411.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 16-MAY-2018

[MANUFAC] WILLIAMS INDOOR

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

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

[MORE] TILT ACRYLIC MED TIR OPTIC & 6"WHITE ASYM TRIM w/ANGLED

[MORE] SOLITE LENS ADVANCE #XI025C070V054DSM5 @530mA

[LUMCAT] 6AR-L12-8TW-DIM-UNV-AM-OF-WH_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	997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	14.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.08
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	1.02
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	58903	8588	1431
55	7165	1497	909
65	1016	508	508
75	593	119	0
85	0	0	0

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	459.76	459.76	459.76	459.76	459.76	459.76	459.76	459.76	459.76
5	1028.16	957.60	775.60	579.60	414.96	304.08	246.96	208.88	198.80
10	1881.04	1622.32	1067.92	594.16	325.92	197.12	136.64	112.00	108.08
15	2651.60	2274.72	1266.16	518.00	227.36	122.08	85.68	69.44	64.96
20	3074.96	2602.32	1253.28	398.16	150.64	78.40	54.32	47.04	43.12
25	3179.12	2605.68	1017.52	271.60	98.00	54.32	38.64	32.48	31.36
30	2990.96	2283.68	717.92	168.00	63.28	36.40	26.88	23.52	23.52
35	2517.20	1664.88	428.40	98.00	41.44	26.32	20.16	19.60	20.16
40	1705.76	991.20	230.16	58.24	28.00	19.60	16.80	16.80	17.36
45	760.48	463.68	110.88	31.92	18.48	15.68	14.00	16.24	16.80
50	297.36	154.56	40.32	16.80	12.32	11.76	11.76	12.88	14.00
55	75.04	40.32	15.68	10.08	9.52	10.08	10.08	11.20	11.76
60	19.60	11.76	7.84	6.72	6.72	6.72	7.28	8.40	9.52
65	7.84	6.16	3.92	3.92	3.92	4.48	5.60	6.16	6.72
70	3.92	3.36	2.80	1.68	1.68	1.68	1.68	2.80	3.36
75	2.80	1.68	0.56	0.00	0.00	0.00	0.56	1.12	1.68
80	1.12	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-AM-OF-WH_25 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	258.20	N.A.	25.90
0-30	580.67	N.A.	58.20
0-40	855.93	N.A.	85.80
0-60	990.92	N.A.	99.40
0-80	997.29	N.A.	100.00
0-90	997.31	N.A.	100.00
10-90	944.76	N.A.	94.70
20-40	597.74	N.A.	59.90
20-50	710.96	N.A.	71.30
40-70	140.30	N.A.	14.10
60-80	6.37	N.A.	0.60
70-80	1.06	N.A.	0.10
80-90	0.02	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	997.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

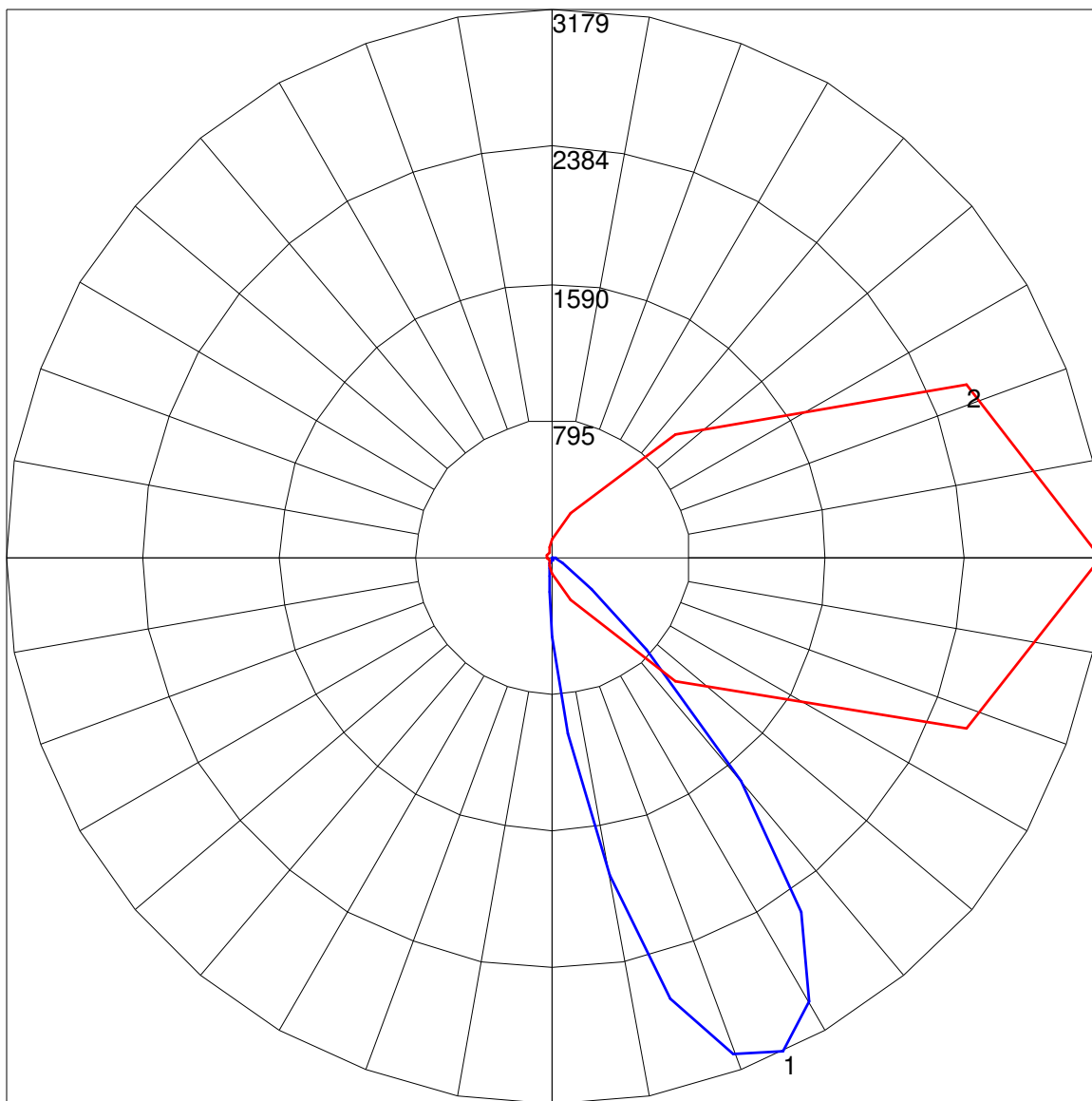
Zone	Lumens
0-10	52.55
10-20	205.65
20-30	322.47
30-40	275.27
40-50	113.23
50-60	21.76
60-70	5.31
70-80	1.06
80-90	0.02
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	60	59	58	58	57	56	56	55	54	54	53	53	52
2	60	57	54	52	58	56	53	52	54	52	50	52	51	49	51	49	48	47
3	56	52	49	47	55	51	49	46	50	48	46	49	47	45	47	46	44	43
4	53	48	45	42	52	48	44	42	46	44	41	45	43	41	44	42	40	40
5	50	45	41	38	49	44	41	38	43	40	38	42	39	37	41	39	37	36
6	47	41	38	35	46	41	37	35	40	37	35	39	36	34	38	36	34	33
7	44	38	35	32	43	38	34	32	37	34	32	37	34	32	36	33	31	31
8	42	36	32	29	41	35	32	29	35	32	29	34	31	29	34	31	29	28
9	39	33	30	27	39	33	30	27	32	29	27	32	29	27	31	29	27	26
10	37	31	28	25	37	31	27	25	30	27	25	30	27	25	30	27	25	24

POLAR GRAPH



Maximum Candela = 3179.12 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)