



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20402.0

[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] ACRYLIC MED TIR OPTIC & 6"WHITE ASYM FLUSH TRIM

[MORE] w/SOLITE LENS ADVANCE # XI025C070V054DSM5 @ 530mA

[LUMCAT] 6AR-L12-8TW-DIM-UNV-LM-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	1050
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	14.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.02
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	1.06
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	51659	9629	2125
55	13047	3101	1711
65	3846	1597	1379
75	2133	1067	830
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	470.96	470.96	470.96	470.96	470.96	470.96	470.96	470.96	470.96
5	1228.64	1097.60	887.04	619.36	439.04	305.20	259.28	202.72	197.68
10	2106.16	1807.12	1206.24	648.48	337.68	201.60	148.40	124.88	115.36
15	2788.80	2378.32	1377.60	582.40	244.72	134.40	97.44	83.44	80.08
20	3136.56	2662.24	1335.04	444.08	166.88	94.08	70.56	62.16	61.04
25	3217.20	2598.96	1087.52	310.24	114.24	67.76	54.88	50.40	50.40
30	2994.88	2211.44	737.52	198.80	78.40	50.40	43.12	42.56	42.00
35	2306.64	1546.16	473.76	120.96	54.32	39.76	36.96	36.96	39.76
40	1420.16	828.24	257.04	70.00	36.96	31.36	34.16	35.84	36.96
45	666.96	389.20	124.32	40.32	27.44	27.44	31.36	34.16	36.96
50	308.00	174.16	61.60	26.32	21.28	24.64	29.12	31.36	34.72
55	136.64	85.68	32.48	18.48	17.92	20.16	25.20	29.68	31.36
60	64.96	42.00	19.04	12.32	12.88	16.80	20.16	24.08	27.44
65	29.68	21.28	12.32	9.52	10.64	12.88	16.24	18.48	21.28
70	14.56	11.76	8.40	6.72	7.28	10.08	11.76	14.00	16.80
75	10.08	7.84	5.04	3.36	3.92	4.48	6.72	8.40	10.64
80	3.92	2.24	1.68	0.00	0.00	1.12	1.68	3.92	3.92
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-LM-OF-WH_25 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	277.48	N.A.	26.40
0-30	610.23	N.A.	58.10
0-40	878.96	N.A.	83.70
0-60	1026.92	N.A.	97.80
0-80	1049.98	N.A.	100.00
0-90	1050.47	N.A.	100.00
10-90	992.88	N.A.	94.50
20-40	601.48	N.A.	57.30
20-50	711.59	N.A.	67.70
40-70	164.42	N.A.	15.70
60-80	23.06	N.A.	2.20
70-80	6.60	N.A.	0.60
80-90	0.49	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	1050.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

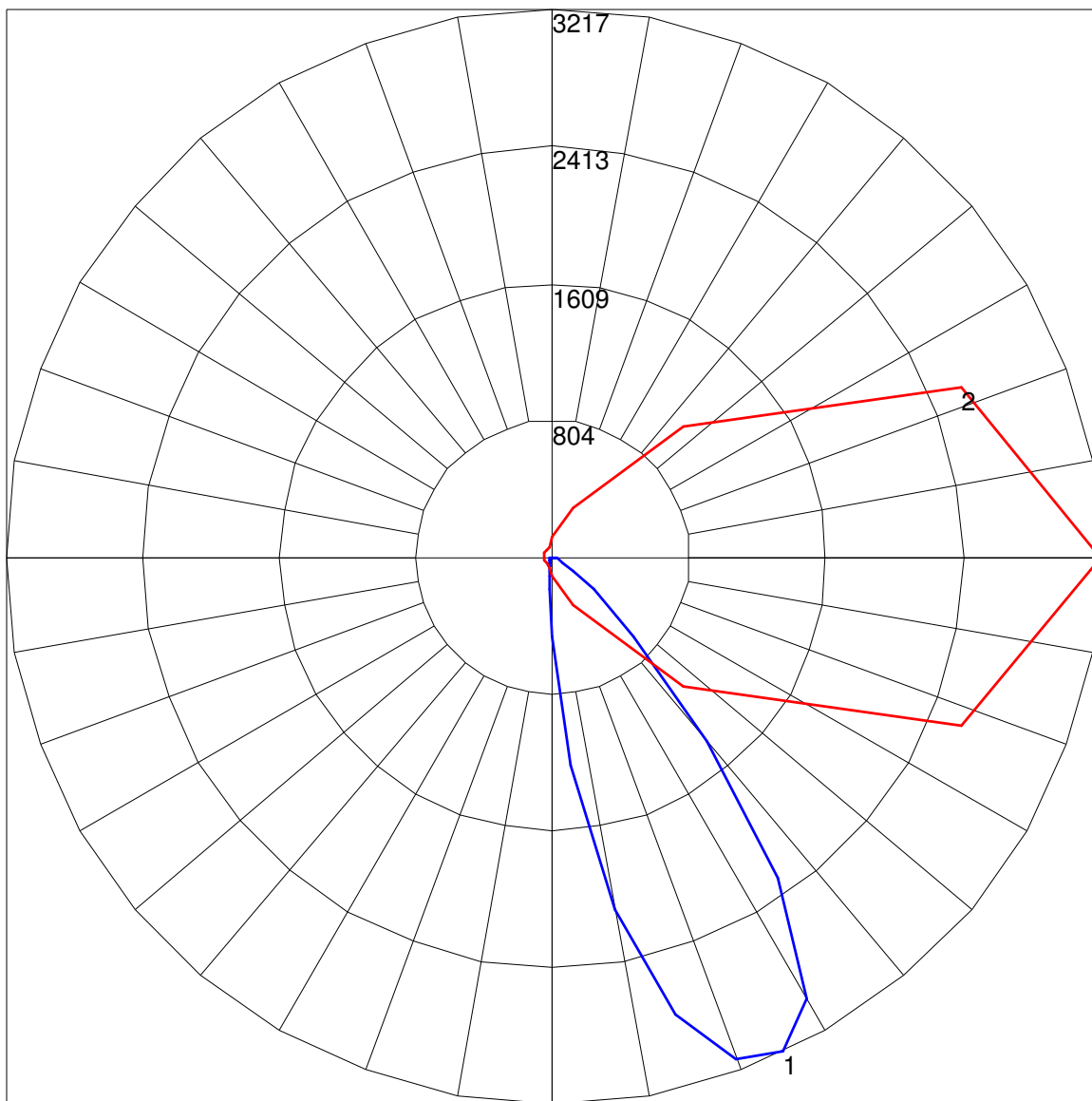
Zone	Lumens
0-10	57.59
10-20	219.89
20-30	332.75
30-40	268.73
40-50	110.11
50-60	37.85
60-70	16.46
70-80	6.60
80-90	0.49
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	61	60	58	62	60	59	57	58	57	56	56	55	54	54	53	52	51
2	59	56	54	52	58	55	53	51	54	52	50	52	50	49	50	49	48	47
3	56	52	49	46	55	51	48	46	50	47	45	48	46	44	47	45	44	43
4	53	48	44	42	52	47	44	41	46	43	41	45	42	40	44	42	40	39
5	49	44	40	38	48	44	40	38	43	40	37	42	39	37	41	38	37	36
6	47	41	37	34	46	40	37	34	40	36	34	39	36	34	38	36	34	33
7	44	38	34	32	43	38	34	31	37	34	31	36	33	31	35	33	31	30
8	41	35	32	29	41	35	31	29	34	31	29	34	31	29	33	31	29	28
9	39	33	29	27	38	33	29	27	32	29	27	32	29	27	31	28	26	26
10	37	31	27	25	36	31	27	25	30	27	25	30	27	25	29	27	25	24

POLAR GRAPH



Maximum Candela = 3217.2 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.)