



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-L10-835-DIM-UNV-ON-OF-CS_0 DEGREE TILT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 20395.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 21-JUL-2020

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6" RND ADJ DOWNLIGHT @ 0 TILT

[MORE] TILT ACRYLIC NARROW TIR OPTIC & OPEN ASYM SEMI-SPEC TRIM

[LUMCAT] 6AR-L10-835-DIM-UNV-ON-OF-CS_0 DEGREE TILT

[LAMPCAT] BXRE-35E2000

[_SEARCH_SOURCE] 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	1022
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	10.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.38
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	736	775	775
55	0	0	0
65	0	0	0
75	0	0	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	5454.0	5454.0	5454.0	5454.0	5454.0	5454.0	5454.0	5454.0	5454.0
5	5117.0	5133.5	5166.5	5010.0	4942.0	4823.0	4726.0	4725.5	4452.0
10	3769.0	3782.5	3649.0	3352.5	3286.5	3127.5	2966.0	2855.5	2828.5
15	1733.0	1857.0	1659.5	1551.5	1446.0	1395.5	1206.0	1161.5	1137.5
20	660.0	678.5	630.0	602.0	568.0	550.0	480.0	447.0	455.5
25	251.0	258.0	238.0	227.5	223.0	203.5	188.5	171.5	162.0
30	90.0	90.5	86.0	82.5	79.5	76.5	67.5	66.0	65.5
35	40.0	41.0	40.0	38.5	39.0	37.0	35.5	34.5	33.0
40	19.0	19.5	20.0	20.0	20.5	20.0	19.0	18.0	16.5
45	9.5	9.5	10.0	10.0	10.0	10.0	9.5	9.5	8.5
50	6.0	6.0	6.0	6.0	6.0	6.5	6.5	6.5	5.5
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6AR-L10-835-DIM-UNV-ON-OF-CS_0 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	866.56	N.A.	84.80
0-30	985.29	N.A.	96.40
0-40	1011.9	N.A.	99.00
0-60	1021.82	N.A.	100.00
0-80	1021.82	N.A.	100.00
0-90	1021.82	N.A.	100.00
10-90	604.40	N.A.	59.10
20-40	145.34	N.A.	14.20
20-50	153.92	N.A.	15.10
40-70	9.92	N.A.	1.00
60-80	0.00	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	1021.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	417.42
10-20	449.14
20-30	118.73
30-40	26.61
40-50	8.58
50-60	1.34
60-70	0.00
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

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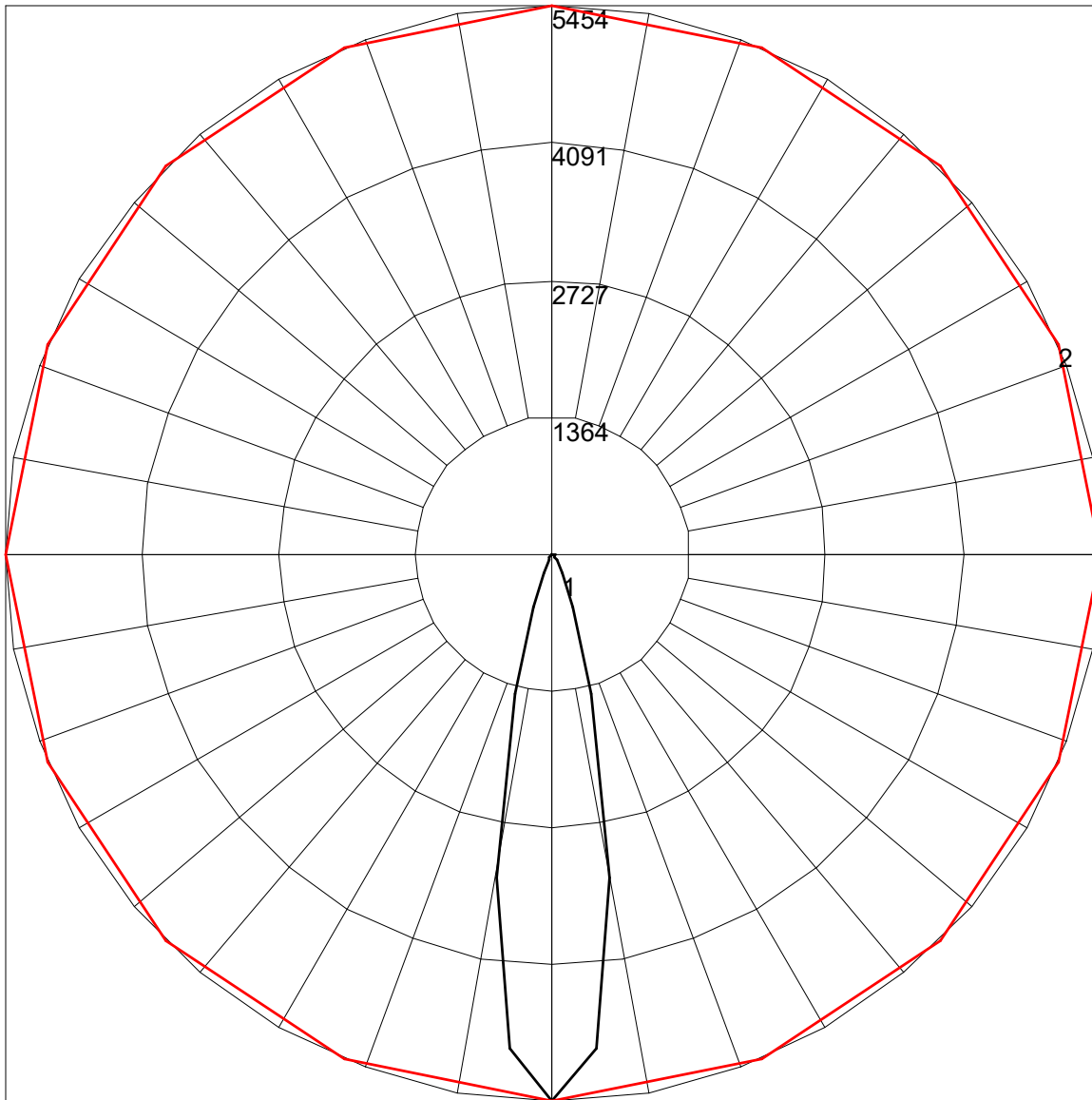
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	60	60	60	60	58	58	58	58	56	56	56	53	53	53	51	51	51	50
1	58	57	56	55	56	56	55	54	54	53	52	52	51	51	50	50	49	49
2	56	54	53	52	55	53	52	51	52	51	50	50	50	49	49	48	48	47
3	54	52	50	49	53	51	50	49	50	49	48	49	48	47	48	47	46	46
4	53	50	48	47	52	50	48	47	49	47	46	48	47	46	47	46	45	45
5	51	48	47	45	51	48	46	45	47	46	45	47	45	44	46	45	44	43
6	50	47	45	44	49	47	45	43	46	44	43	45	44	43	45	44	43	42
7	49	46	44	42	48	45	44	42	45	43	42	44	43	42	44	43	42	41
8	47	44	42	41	47	44	42	41	44	42	41	43	42	41	43	42	41	40
9	46	43	41	40	46	43	41	40	43	41	40	42	41	40	42	41	40	39
10	45	42	40	39	45	42	40	39	42	40	39	41	40	39	41	40	39	38

POLAR GRAPH



Maximum Candela = 5454 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)