



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 20392.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 20-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 MED TIR OPTIC & 6" OPEN ASYM SEMI-SPEC TRIM

[LUMCAT] 6AR-L10-835-DIM-UNV-OM-OF-CS_0 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	1023
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)	0.62
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.50
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	542	542	542
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	3141.535	3141.535	3141.535	3141.535	3141.535	3141.535	3141.535	3141.535	3141.535
5	3134.531	3122.025	3108.018	3086.008	3069.500	3054.492	3045.488	3041.986	3041.486
10	2957.445	2953.943	2910.922	2863.899	2812.374	2762.349	2691.315	2670.304	2619.780
15	2247.598	2251.100	2191.070	2103.528	1959.957	1826.892	1685.824	1572.268	1455.711
20	995.987	1027.002	981.479	915.947	885.933	748.866	648.817	593.790	550.769
25	368.680	370.181	361.176	344.168	318.155	293.643	269.131	237.616	236.115
30	164.580	166.581	161.079	155.076	147.572	137.067	126.062	117.557	112.555
35	74.536	76.037	72.535	67.033	66.533	62.531	58.028	54.026	52.025
40	30.015	31.515	29.014	28.014	26.013	25.012	22.511	22.011	21.010
45	7.003	7.003	7.003	6.503	7.003	7.003	6.503	6.003	5.503
50	0.500	1.000	0.500	0.500	1.000	0.000	0.500	1.000	0.500
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

Zone	Lumens	%Lamp	%Fixt
0-20	792.63	N.A.	77.50
0-30	969.24	N.A.	94.80
0-40	1015.19	N.A.	99.20
0-60	1022.88	N.A.	100.00
0-80	1022.88	N.A.	100.00
0-90	1022.88	N.A.	100.00
10-90	738.06	N.A.	72.20
20-40	222.56	N.A.	21.80
20-50	230.11	N.A.	22.50
40-70	7.69	N.A.	0.80
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	1022.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	284.82
10-20	507.81
20-30	176.61
30-40	45.95
40-50	7.56
50-60	0.14
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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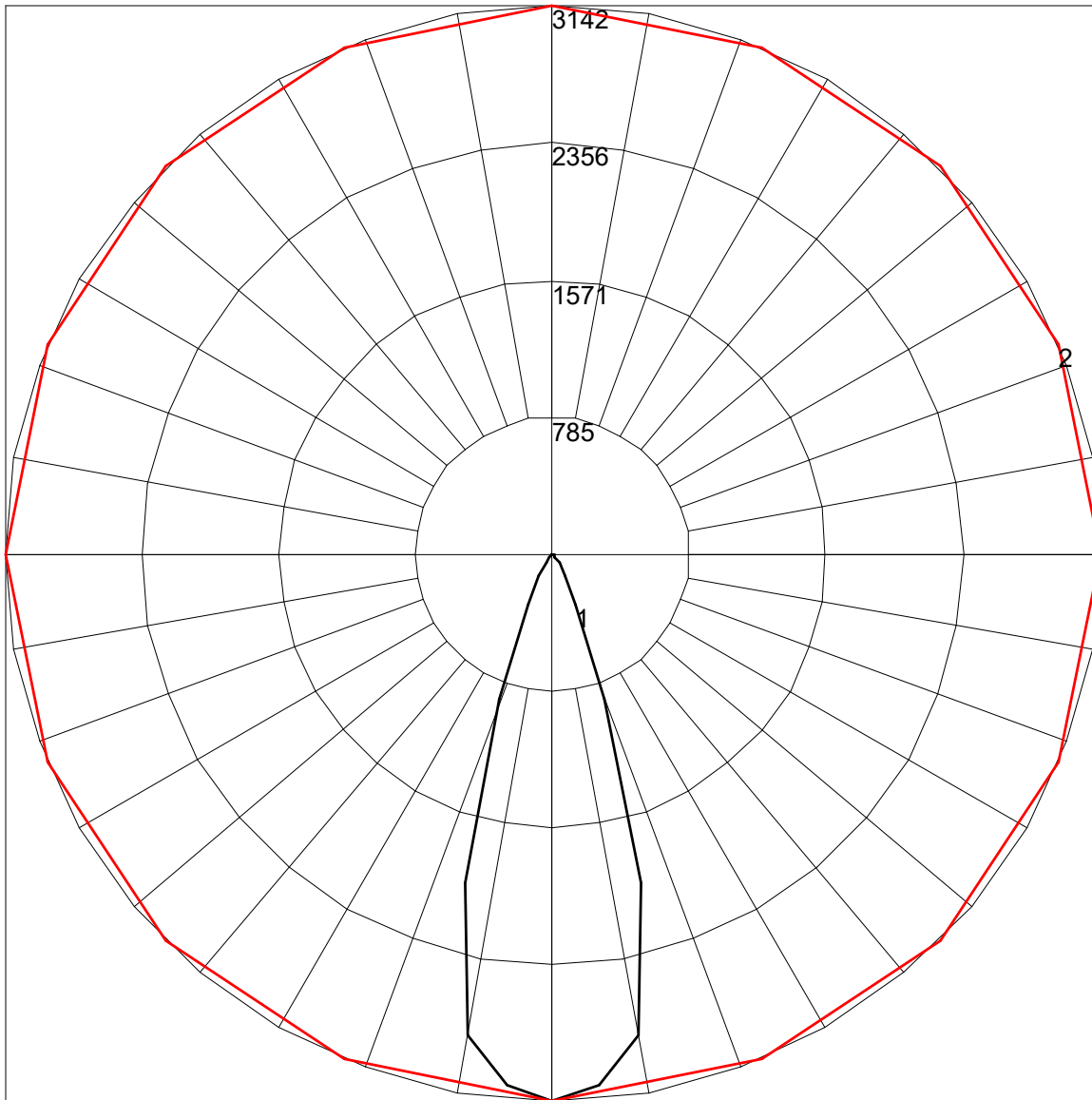
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	57	56	55	55	56	55	54	54	53	53	52	51	51	50	50	49	49	48
2	55	54	52	51	54	53	51	50	51	50	49	50	49	48	48	48	47	46
3	54	51	49	48	53	51	49	47	49	48	47	48	47	46	47	46	45	45
4	52	49	47	45	51	49	47	45	48	46	45	47	45	44	46	45	44	43
5	50	47	45	43	49	47	45	43	46	44	43	45	44	43	44	43	42	42
6	49	45	43	42	48	45	43	41	44	43	41	44	42	41	43	42	41	40
7	47	44	42	40	47	43	41	40	43	41	40	42	41	40	42	40	39	39
8	46	42	40	39	45	42	40	39	42	40	38	41	39	38	41	39	38	38
9	44	41	39	37	44	41	39	37	40	38	37	40	38	37	40	38	37	36
10	43	40	37	36	43	39	37	36	39	37	36	39	37	36	38	37	36	35

POLAR GRAPH



Maximum Candela = 3141.535 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.)