



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-P13-835-POE-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] 24-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-P13-835-PoE-OM-OF-CS_0 DEG TILT

[_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	1308
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	12.3
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	694	694	694
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 6AR-P13-835-POE-OM-OF-CS_0 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	4016.743	4016.743	4016.743	4016.743	4016.743	4016.743	4016.743	4016.743	4016.743
5	4007.789	3991.799	3973.889	3945.747	3924.640	3905.451	3893.938	3889.461	3888.822
10	3781.367	3776.890	3721.884	3661.760	3595.881	3531.920	3441.095	3414.232	3349.631
15	2873.762	2878.240	2801.487	2689.555	2505.987	2335.851	2155.482	2010.290	1861.262
20	1273.461	1313.117	1254.912	1171.124	1132.747	957.494	829.573	759.216	704.209
25	471.392	473.311	461.798	440.051	406.791	375.450	344.110	303.814	301.895
30	210.431	212.990	205.954	198.279	188.685	175.253	161.181	150.308	143.912
35	95.302	97.221	92.743	85.708	85.068	79.951	74.195	69.078	66.519
40	38.377	40.295	37.097	35.818	33.260	31.980	28.782	28.143	26.864
45	8.955	8.955	8.955	8.315	8.955	8.955	8.315	7.675	7.036
50	0.640	1.279	0.640	0.640	1.279	0.000	0.640	1.279	0.640
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-P13-835-POE-OM-OF-CS_0 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1013.45	N.A.	77.50
0-30	1239.26	N.A.	94.80
0-40	1298.01	N.A.	99.20
0-60	1307.85	N.A.	100.00
0-80	1307.85	N.A.	100.00
0-90	1307.85	N.A.	100.00
10-90	943.68	N.A.	72.20
20-40	284.56	N.A.	21.80
20-50	294.22	N.A.	22.50
40-70	9.84	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	1307.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	364.16
10-20	649.29
20-30	225.81
30-40	58.75
40-50	9.66
50-60	0.17
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

IES INDOOR REPORT

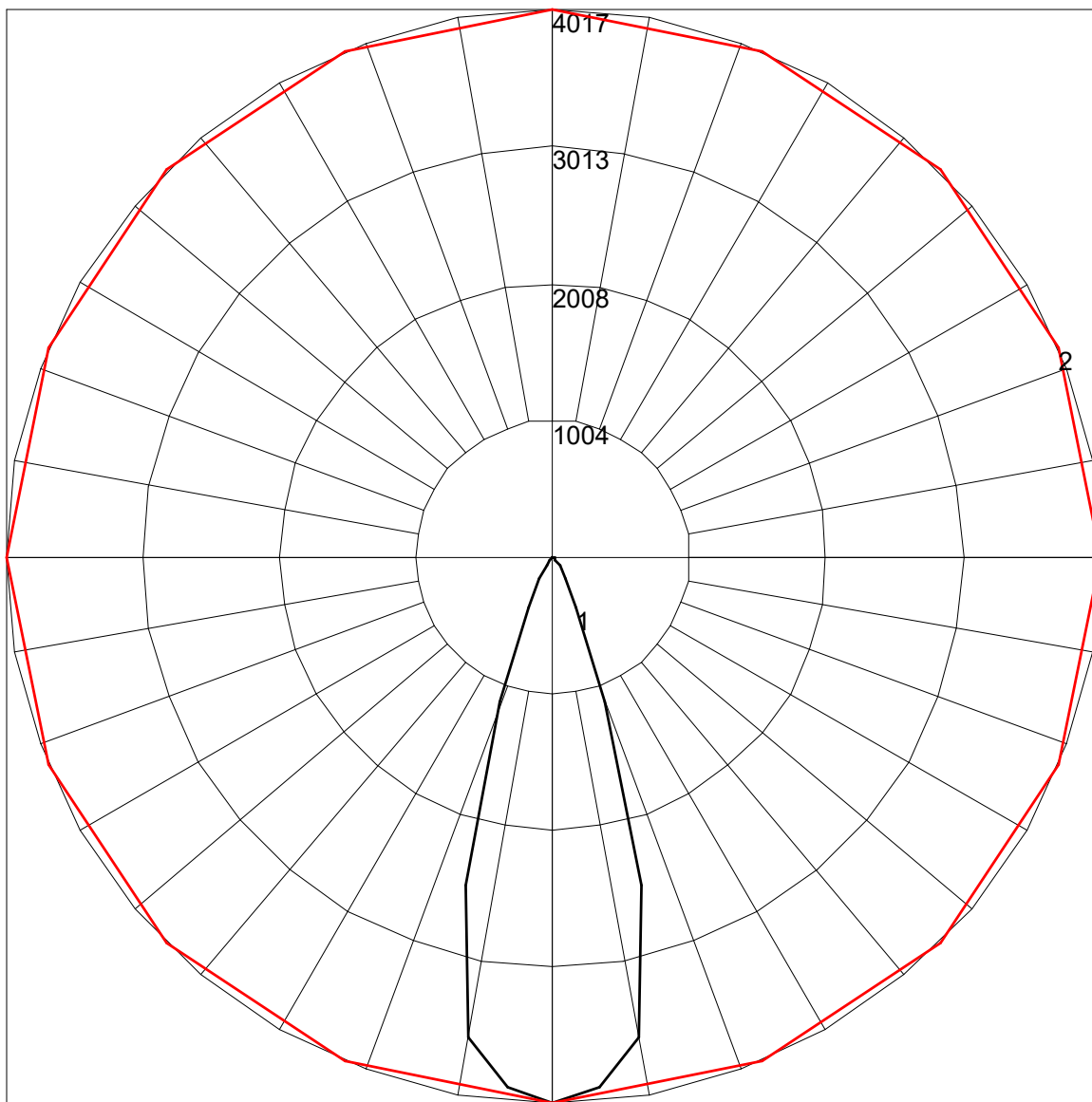
PHOTOMETRIC FILENAME : 6AR-P13-835-POE-OM-OF-CS_0 DEGREE TILT.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	76	76	76	76	74	74	74	74	71	71	71	68	68	68	65	65	65	64
1	73	72	71	70	72	71	70	69	68	67	66	66	65	65	64	63	63	62
2	71	69	67	65	70	67	66	64	65	64	63	64	63	62	62	61	60	59
3	69	65	63	61	67	65	62	61	63	61	60	62	60	59	60	59	58	57
4	66	63	60	58	65	62	60	58	61	59	57	60	58	56	58	57	56	55
5	64	60	58	55	63	60	57	55	59	56	55	58	56	54	57	55	54	53
6	62	58	55	53	61	58	55	53	57	54	53	56	54	52	55	53	52	51
7	60	56	53	51	60	56	53	51	55	53	51	54	52	51	54	52	50	50
8	58	54	51	49	58	54	51	49	53	51	49	53	50	49	52	50	49	48
9	57	52	50	48	56	52	49	48	51	49	47	51	49	47	51	49	47	47
10	55	51	48	46	55	50	48	46	50	48	46	50	47	46	49	47	46	45

POLAR GRAPH



Maximum Candela = 4016.743 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.)