



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]BALLABS TEST NO. 20395.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 23-MAY-2018

[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

[MORE] ADVANCE #XI025C070V054DSM5 @ 530mA

[LUMCAT] 6AR-P13-835-DIM-UNV-ON-OF-CS_0 DEGREE 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	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)	0.44
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	942	991	991
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	6980.266	6980.266	6980.266	6980.266	6980.266	6980.266	6980.266	6980.266	6980.266
5	6548.959	6570.076	6612.311	6412.016	6324.986	6172.685	6048.540	6047.900	5697.863
10	4823.730	4841.008	4670.149	4290.675	4206.205	4002.710	3796.016	3654.593	3620.037
15	2217.969	2376.669	2123.900	1985.677	1850.654	1786.022	1543.491	1486.538	1455.822
20	844.697	868.374	806.301	770.466	726.951	703.914	614.325	572.090	582.969
25	321.241	330.200	304.603	291.164	285.405	260.448	241.250	219.493	207.335
30	115.186	115.826	110.067	105.587	101.748	97.908	86.389	84.470	83.830
35	51.194	52.474	51.194	49.274	49.914	47.354	45.434	44.155	42.235
40	24.317	24.957	25.597	25.597	26.237	25.597	24.317	23.037	21.117
45	12.159	12.159	12.798	12.798	12.798	12.798	12.159	12.159	10.879
50	7.679	7.679	7.679	7.679	7.679	8.319	8.319	8.319	7.039
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-ON-OF-CS_0 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1109.06	N.A.	84.80
0-30	1261.02	N.A.	96.40
0-40	1295.08	N.A.	99.00
0-60	1307.77	N.A.	100.00
0-80	1307.77	N.A.	100.00
0-90	1307.77	N.A.	100.00
10-90	773.54	N.A.	59.10
20-40	186.02	N.A.	14.20
20-50	197.00	N.A.	15.10
40-70	12.69	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	1307.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	534.23
10-20	574.83
20-30	151.96
30-40	34.06
40-50	10.98
50-60	1.71
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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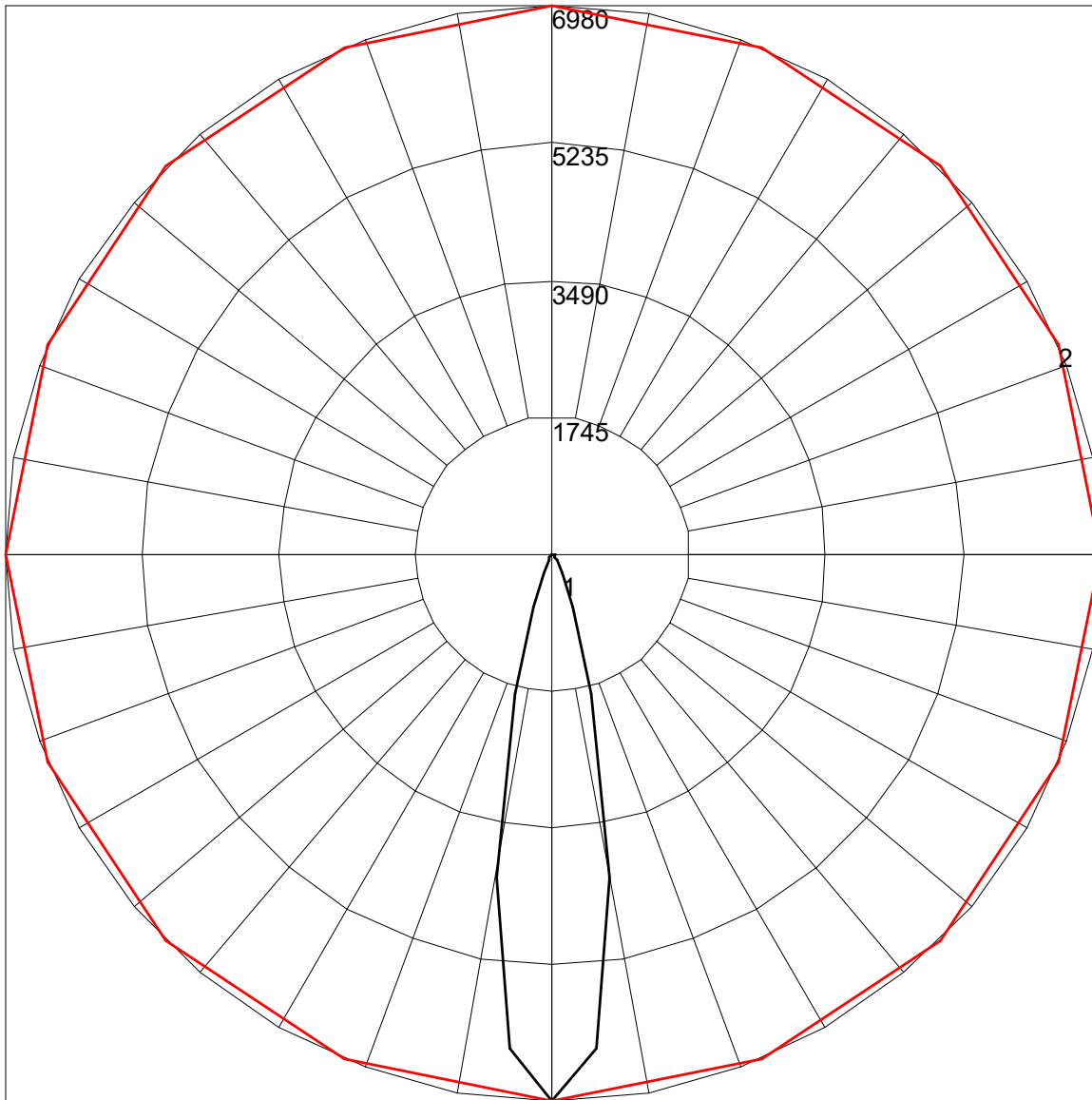
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	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	74	72	71	70	72	71	70	69	69	68	67	66	66	65	64	64	63	62
2	71	69	67	66	70	68	67	65	66	65	64	64	63	62	63	62	61	60
3	69	67	64	63	68	66	64	62	64	63	61	63	61	60	61	60	59	59
4	67	64	62	60	66	64	61	60	62	60	59	61	60	58	60	59	58	57
5	66	62	60	58	65	62	59	58	61	59	57	60	58	57	59	57	56	55
6	64	60	58	56	63	60	57	56	59	57	55	58	56	55	57	56	55	54
7	62	58	56	54	62	58	56	54	57	55	54	57	55	54	56	54	53	53
8	61	57	54	53	60	56	54	53	56	54	52	55	54	52	55	53	52	51
9	59	55	53	51	59	55	53	51	55	52	51	54	52	51	54	52	51	50
10	58	54	52	50	57	54	51	50	53	51	50	53	51	50	53	51	50	49

POLAR GRAPH



Maximum Candela = 6980.266 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.)