



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-L15-835-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-L15-835-DIM-UNV-OM-OF-CS_0 DEG 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	1542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	15.1
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	818	818	818
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	4735.335	4735.335	4735.335	4735.335	4735.335	4735.335	4735.335	4735.335	4735.335
5	4724.778	4705.928	4684.815	4651.637	4626.754	4604.133	4590.560	4585.282	4584.528
10	4457.850	4452.572	4387.725	4316.846	4239.180	4163.777	4056.704	4025.035	3948.877
15	3387.876	3393.154	3302.670	3170.714	2954.306	2753.733	2541.095	2369.930	2194.240
20	1501.282	1548.032	1479.415	1380.637	1335.395	1128.789	977.982	895.039	830.192
25	555.723	557.985	544.413	518.776	479.566	442.618	405.670	358.166	355.904
30	248.077	251.093	242.799	233.751	222.440	206.605	190.017	177.198	169.658
35	112.351	114.613	109.335	101.041	100.287	94.254	87.468	81.436	78.420
40	45.242	47.504	43.734	42.226	39.210	37.702	33.932	33.178	31.669
45	10.556	10.556	10.556	9.802	10.556	10.556	9.802	9.048	8.294
50	0.754	1.508	0.754	0.754	1.508	0.000	0.754	1.508	0.754
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-L15-835-DIM-UNV-OM-OF-CS_0 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1194.76	N.A.	77.50
0-30	1460.96	N.A.	94.80
0-40	1530.22	N.A.	99.20
0-60	1541.82	N.A.	100.00
0-80	1541.82	N.A.	100.00
0-90	1541.82	N.A.	100.00
10-90	1112.51	N.A.	72.20
20-40	335.47	N.A.	21.80
20-50	346.85	N.A.	22.50
40-70	11.59	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	1541.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	429.31
10-20	765.45
20-30	266.21
30-40	69.26
40-50	11.39
50-60	0.20
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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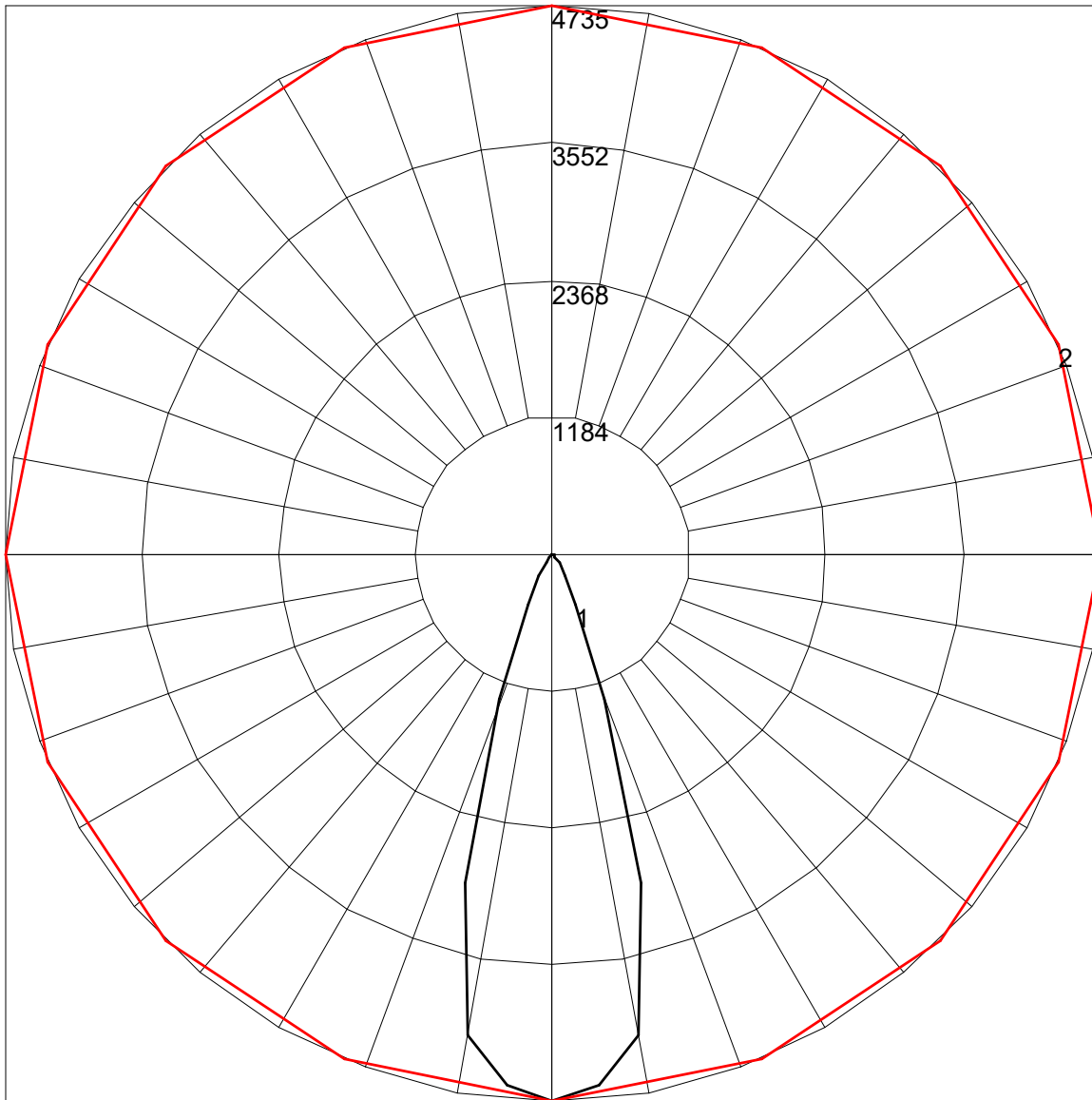
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	179	179	179	179	175	175	175	175	167	167	167	160	160	160	154	154	154	151
1	173	170	167	164	170	167	164	162	161	159	157	155	154	152	150	149	148	145
2	167	162	157	153	164	159	155	151	154	151	148	150	147	145	146	144	142	140
3	162	154	149	144	159	152	147	143	149	144	141	145	142	139	142	139	137	135
4	156	148	142	137	154	146	141	136	143	138	135	140	136	133	138	134	132	130
5	151	142	136	131	149	141	135	130	138	133	129	136	132	128	134	130	127	125
6	146	137	130	125	145	136	129	125	134	128	124	132	127	123	130	126	123	121
7	142	132	125	121	140	131	125	120	129	124	120	128	123	119	126	122	119	117
8	138	127	121	116	136	127	120	116	125	120	116	124	119	115	123	118	115	113
9	134	123	117	112	132	123	116	112	121	116	112	120	115	112	119	115	111	110
10	130	119	113	109	129	119	113	109	118	112	108	117	112	108	116	111	108	106

POLAR GRAPH



Maximum Candela = 4735.335 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.)