

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-P27-835-DIM-POE-OW-OF-CS_25 DEGREE TILT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 20390.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 16-MAY-2018

[MANUFAC] WILLIAM INDOOR

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

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"RND ADJ DOWNLIGHT @25 TILT

[MORE] ACRYLIC WIDE TIR OPTIC & 6"OPEN ASYM SEMI-SPEC TRIM

[MORE] ADVANCE # XI025C070V054DSM5 @ 530mA

[LUMCAT] 6AR-P27-835-DIM-PoE-OW-OF-CS_25 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	2634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.90
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	175398	21938	1138
55	2551	255	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	3480.280	3480.280	3480.280	3480.280	3480.280	3480.280	3480.280	3480.280	3480.280
5	4861.704	4661.304	4285.888	3718.088	3083.488	2510.344	2146.952	1827.648	1732.792
10	5055.424	4793.568	4148.280	3337.328	2416.824	1643.280	1156.976	889.776	841.680
15	5090.160	4511.672	3799.584	2932.520	1764.856	977.952	590.512	422.176	414.160
20	4697.376	4219.088	3565.784	2474.272	1189.040	521.040	303.272	217.768	203.072
25	3899.784	3963.912	3397.448	1963.920	722.776	272.544	162.992	126.920	122.912
30	3556.432	3692.704	3062.112	1400.128	382.096	136.272	86.840	68.136	62.792
35	3462.912	3452.224	2549.088	708.080	145.624	58.784	34.736	28.056	26.720
40	3341.336	3023.368	1362.720	215.096	48.096	21.376	17.368	14.696	14.696
45	2264.520	1406.808	283.232	37.408	14.696	8.016	8.016	8.016	8.016
50	471.608	233.800	28.056	8.016	4.008	1.336	2.672	2.672	4.008
55	26.720	16.032	2.672	0.000	0.000	0.000	0.000	0.000	2.672
60	1.336	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-P27-835-DIM-POE-OW-OF-CS_25 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	915.93	N.A.	34.80
0-30	1645.22	N.A.	62.50
0-40	2316.53	N.A.	88.00
0-60	2633.77	N.A.	100.00
0-80	2633.79	N.A.	100.00
0-90	2633.79	N.A.	100.00
10-90	2344.47	N.A.	89.00
20-40	1400.6	N.A.	53.20
20-50	1701.86	N.A.	64.60
40-70	317.26	N.A.	12.00
60-80	0.02	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	2633.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

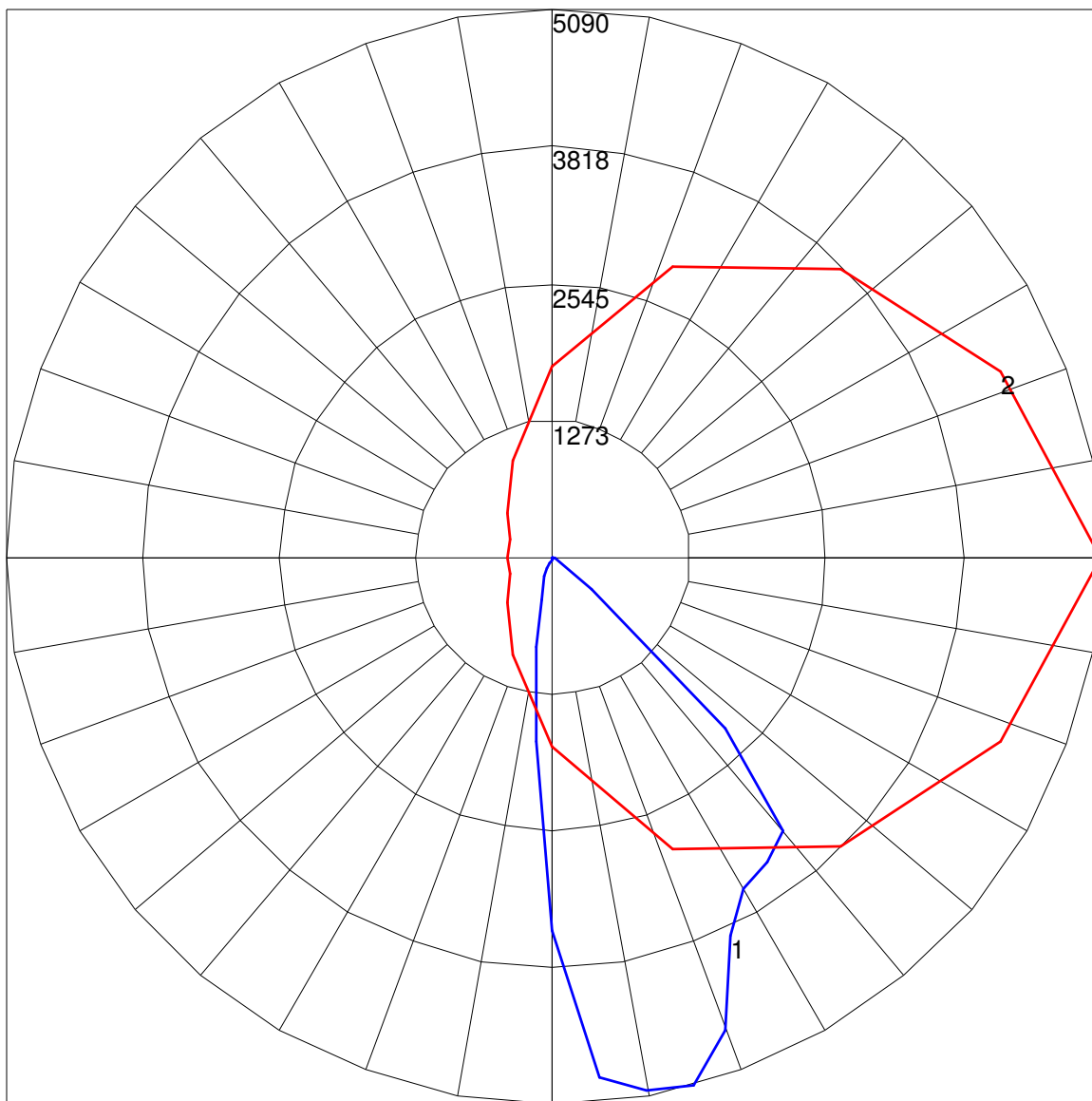
Zone	Lumens
0-10	289.32
10-20	626.60
20-30	729.29
30-40	671.31
40-50	301.26
50-60	15.98
60-70	0.02
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6AR-P27-835-DIM-POE-OW-OF-CS_25 DEGREE TILT.IES****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	159	159	159	159	155	155	155	155	148	148	148	142	142	142	136	136	136	134
1	151	148	144	141	148	145	142	139	139	137	135	134	132	131	130	128	127	125
2	144	137	131	127	141	135	130	125	130	126	123	126	123	120	123	120	117	115
3	136	127	120	115	133	125	119	114	122	116	112	119	114	110	115	112	109	106
4	129	118	111	105	126	117	110	104	114	108	103	111	106	102	109	104	101	98
5	122	110	102	96	120	109	101	96	107	100	95	104	99	94	102	97	93	91
6	115	103	95	89	113	102	94	88	100	93	88	98	92	87	96	91	87	85
7	109	96	88	82	107	95	88	82	94	87	82	92	86	81	91	85	81	79
8	104	90	82	76	102	90	82	76	88	81	76	87	80	76	85	80	75	73
9	98	85	77	71	97	84	77	71	83	76	71	82	75	71	81	75	70	69
10	94	80	72	67	92	80	72	67	78	71	67	77	71	66	76	70	66	64

POLAR GRAPH



Maximum Candela = 5090.16 Located At Horizontal Angle = 0, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)