



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-P27-8TW-POE-OM-OF-CS 4000K_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-P27-8TW-PoE-OM-OF-CS 4000k_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	1838
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	25
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	975	975	975
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	5644.323	5644.323	5644.323	5644.323	5644.323	5644.323	5644.323	5644.323	5644.323
5	5631.740	5609.270	5584.105	5544.558	5514.899	5487.935	5471.757	5465.466	5464.567
10	5313.572	5307.281	5229.986	5145.501	5052.927	4963.049	4835.423	4797.674	4706.898
15	4038.207	4044.499	3936.645	3779.359	3521.410	3282.335	3028.880	2824.858	2615.442
20	1789.466	1845.190	1763.401	1645.662	1591.735	1345.470	1165.714	1066.849	989.554
25	662.399	665.095	648.917	618.359	571.622	527.582	483.542	426.919	424.223
30	295.698	299.293	289.406	278.621	265.139	246.265	226.492	211.213	202.225
35	133.918	136.614	130.323	120.436	119.537	112.347	104.258	97.068	93.473
40	53.927	56.623	52.129	50.332	46.736	44.939	40.445	39.546	37.749
45	12.583	12.583	12.583	11.684	12.583	12.583	11.684	10.785	9.887
50	0.899	1.798	0.899	0.899	1.798	0.000	0.899	1.798	0.899
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-P27-8TW-POE-OM-OF-CS 4000K_0 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1424.1	N.A.	77.50
0-30	1741.41	N.A.	94.80
0-40	1823.96	N.A.	99.20
0-60	1837.78	N.A.	100.00
0-80	1837.78	N.A.	100.00
0-90	1837.78	N.A.	100.00
10-90	1326.06	N.A.	72.20
20-40	399.86	N.A.	21.80
20-50	413.44	N.A.	22.50
40-70	13.82	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	1837.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

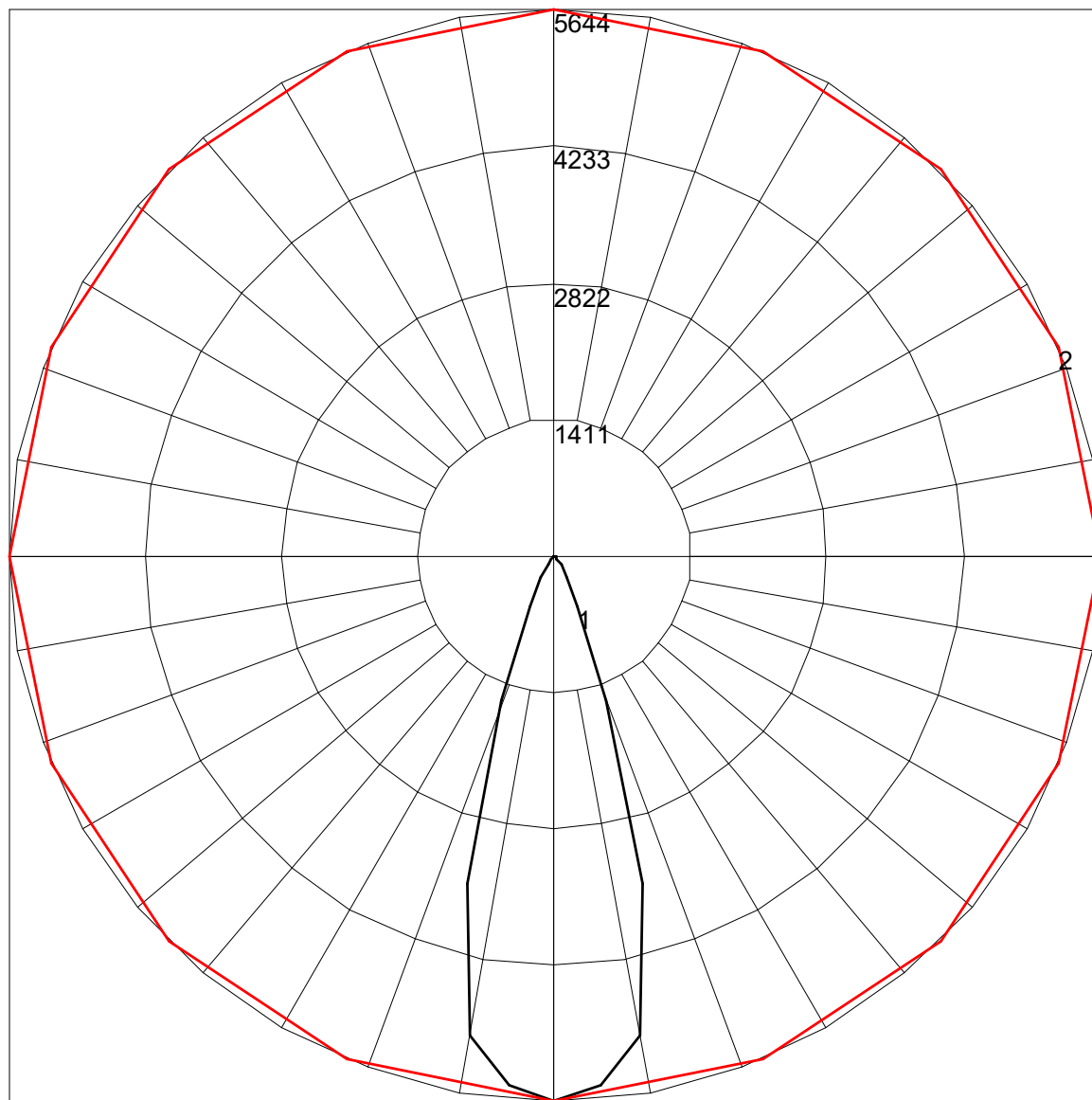
Zone	Lumens
0-10	511.72
10-20	912.38
20-30	317.31
30-40	82.55
40-50	13.58
50-60	0.24
60-70	0.00
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	200	200	200	200	196	196	196	196	187	187	187	179	179	179	172	172	172	168
1	193	189	186	183	189	186	183	180	179	177	175	173	171	170	167	166	165	162
2	187	180	175	171	183	177	173	169	172	168	165	167	164	162	163	161	158	156
3	180	172	166	161	177	170	164	160	166	161	157	162	158	155	158	155	152	150
4	174	165	158	153	172	163	157	152	160	154	150	157	152	149	154	150	147	145
5	169	158	151	146	166	157	150	145	154	148	144	152	147	143	149	145	142	140
6	163	152	145	140	161	151	144	139	149	143	139	147	142	138	145	140	137	135
7	158	147	140	135	157	146	139	134	144	138	134	142	137	133	141	136	132	131
8	154	142	135	130	152	141	134	129	140	133	129	138	133	129	137	132	128	126
9	149	137	130	125	148	137	130	125	135	129	125	134	128	124	133	128	124	122
10	145	133	126	121	144	132	126	121	131	125	121	130	125	121	129	124	120	119

POLAR GRAPH



Maximum Candela = 5644.323 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.)