



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 20389.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 24-JUL-2020

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"RND ADJ DOWNLIGHT @ 0 TILT

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

[LUMCAT] 6AR-P13-835-PoE-OW-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	1305
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)	0.96
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	0.82
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	446	347	595
55	0	61	122
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 6AR-P13-835-POE-OW-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	1769.014	1769.014	1769.014	1769.014	1769.014	1769.014	1769.014	1769.014	1769.014
5	1776.054	1770.294	1767.094	1761.974	1755.574	1749.814	1740.213	1733.173	1728.693
10	1802.935	1794.615	1781.175	1772.214	1770.934	1769.654	1756.854	1744.693	1730.613
15	1799.735	1783.735	1764.534	1737.653	1723.573	1711.412	1689.652	1644.210	1625.010
20	1656.371	1676.211	1621.170	1610.289	1588.529	1548.847	1511.726	1491.886	1454.125
25	1225.638	1188.516	1223.077	1189.796	1165.476	1089.313	1079.713	1064.993	1041.952
30	709.142	717.462	675.861	630.419	624.019	609.939	581.778	558.737	533.776
35	167.045	153.605	129.284	146.564	129.284	125.444	125.444	113.283	131.844
40	35.841	32.001	28.801	30.081	33.281	31.361	30.721	30.721	26.241
45	5.760	4.480	4.480	6.400	7.680	8.320	7.040	8.320	7.040
50	1.920	1.280	0.640	1.280	1.920	2.560	1.920	2.560	2.560
55	0.000	0.000	0.640	0.640	1.280	0.640	0.000	1.280	0.640
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-OW-OF-CS_0 DEGREE TILT.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	646.88	N.A.	49.60
0-30	1155.78	N.A.	88.60
0-40	1295.46	N.A.	99.30
0-60	1304.79	N.A.	100.00
0-80	1304.79	N.A.	100.00
0-90	1304.79	N.A.	100.00
10-90	1136.63	N.A.	87.10
20-40	648.58	N.A.	49.70
20-50	657.25	N.A.	50.40
40-70	9.34	N.A.	0.70
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	1304.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	168.16
10-20	478.72
20-30	508.90
30-40	139.67
40-50	8.67
50-60	0.66
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

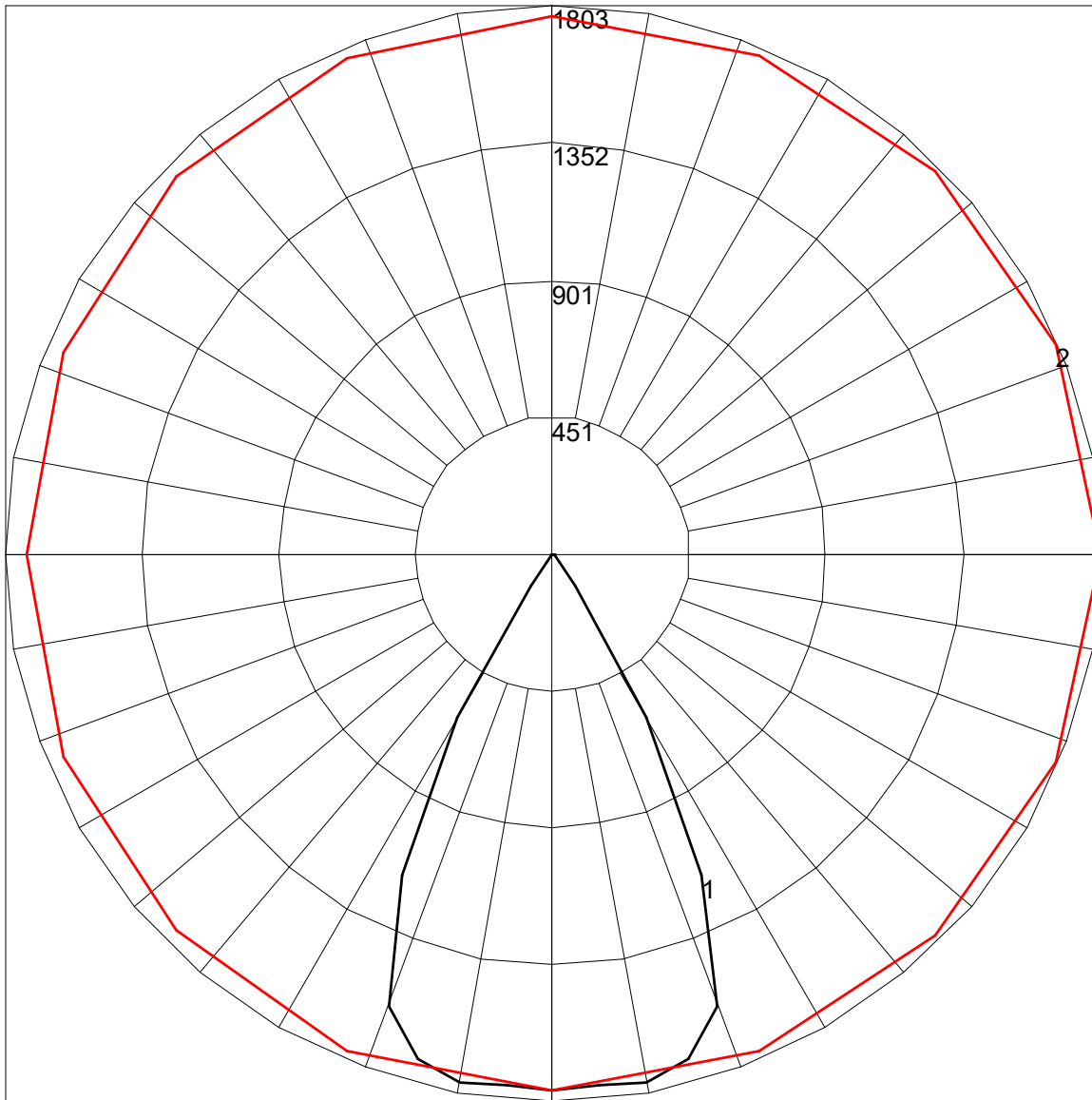
PHOTOMETRIC FILENAME : 6AR-P13-835-POE-OW-OF-CS_0 DEGREE TILT.IES

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	76	76	76	76	74	74	74	74	71	71	71	68	68	68	65	65	65	64
1	73	71	70	69	71	70	69	68	67	66	66	65	64	64	63	62	62	61
2	70	67	65	63	69	66	64	62	64	62	61	62	61	60	60	59	58	57
3	67	63	60	58	66	62	60	58	61	59	57	59	57	56	58	56	55	54
4	64	60	57	54	63	59	56	54	58	55	53	57	54	53	55	54	52	51
5	61	57	53	51	60	56	53	51	55	52	50	54	52	50	53	51	49	48
6	59	54	50	48	58	53	50	48	52	49	47	51	49	47	51	48	47	46
7	56	51	48	45	55	51	47	45	50	47	45	49	46	45	48	46	44	44
8	54	48	45	43	53	48	45	43	47	45	42	47	44	42	46	44	42	41
9	52	46	43	41	51	46	43	40	45	42	40	45	42	40	44	42	40	39
10	50	44	41	38	49	44	41	38	43	40	38	43	40	38	42	40	38	37

POLAR GRAPH



Maximum Candela = 1802.935 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)