



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6AR-L30-930-DIM-UNV-ON-OF-WH_0 DEGREE TILT_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 20395.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 15 JULY 2020

[MANUFAC] WILLIAMS INDOOR

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

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

[MORE] TILT ACRYLIC NARROW TIR OPTIC & OPEN ASYM SEMI-SPEC TRIM

[MORE] ADVANCE #XI025C070V054DSM5

[LUMCAT] 6AR-L30-930-DIM-UNV-ON-OF-WH_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	1961
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	31.3
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	1412	1486	1486
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	10465.026	10465.026	10465.026	10465.026	10465.026	10465.026	10465.026	10465.026	10465.026
5	9818.397	9850.057	9913.377	9613.088	9482.611	9254.276	9068.154	9067.195	8542.408
10	7231.882	7257.785	7001.628	6432.710	6306.070	6000.984	5691.101	5479.076	5427.269
15	3325.246	3563.174	3184.215	2976.987	2774.556	2677.657	2314.049	2228.663	2182.612
20	1266.395	1301.892	1208.831	1155.106	1089.867	1055.329	921.014	857.695	874.004
25	481.614	495.045	456.670	436.522	427.888	390.472	361.690	329.071	310.842
30	172.690	173.650	165.015	158.299	152.543	146.787	129.518	126.639	125.680
35	76.751	78.670	76.751	73.873	74.832	70.995	68.117	66.198	63.320
40	36.457	37.416	38.376	38.376	39.335	38.376	36.457	34.538	31.660
45	18.228	18.228	19.188	19.188	19.188	19.188	18.228	18.228	16.310
50	11.513	11.513	11.513	11.513	11.513	12.472	12.472	12.472	10.553
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-L30-930-DIM-UNV-ON-OF-WH_0 DEGREE TILT_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1662.74	N.A.	84.80
0-30	1890.56	N.A.	96.40
0-40	1941.62	N.A.	99.00
0-60	1960.65	N.A.	100.00
0-80	1960.65	N.A.	100.00
0-90	1960.65	N.A.	100.00
10-90	1159.72	N.A.	59.10
20-40	278.88	N.A.	14.20
20-50	295.34	N.A.	15.10
40-70	19.03	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	1960.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	800.93
10-20	861.81
20-30	227.82
30-40	51.06
40-50	16.46
50-60	2.57
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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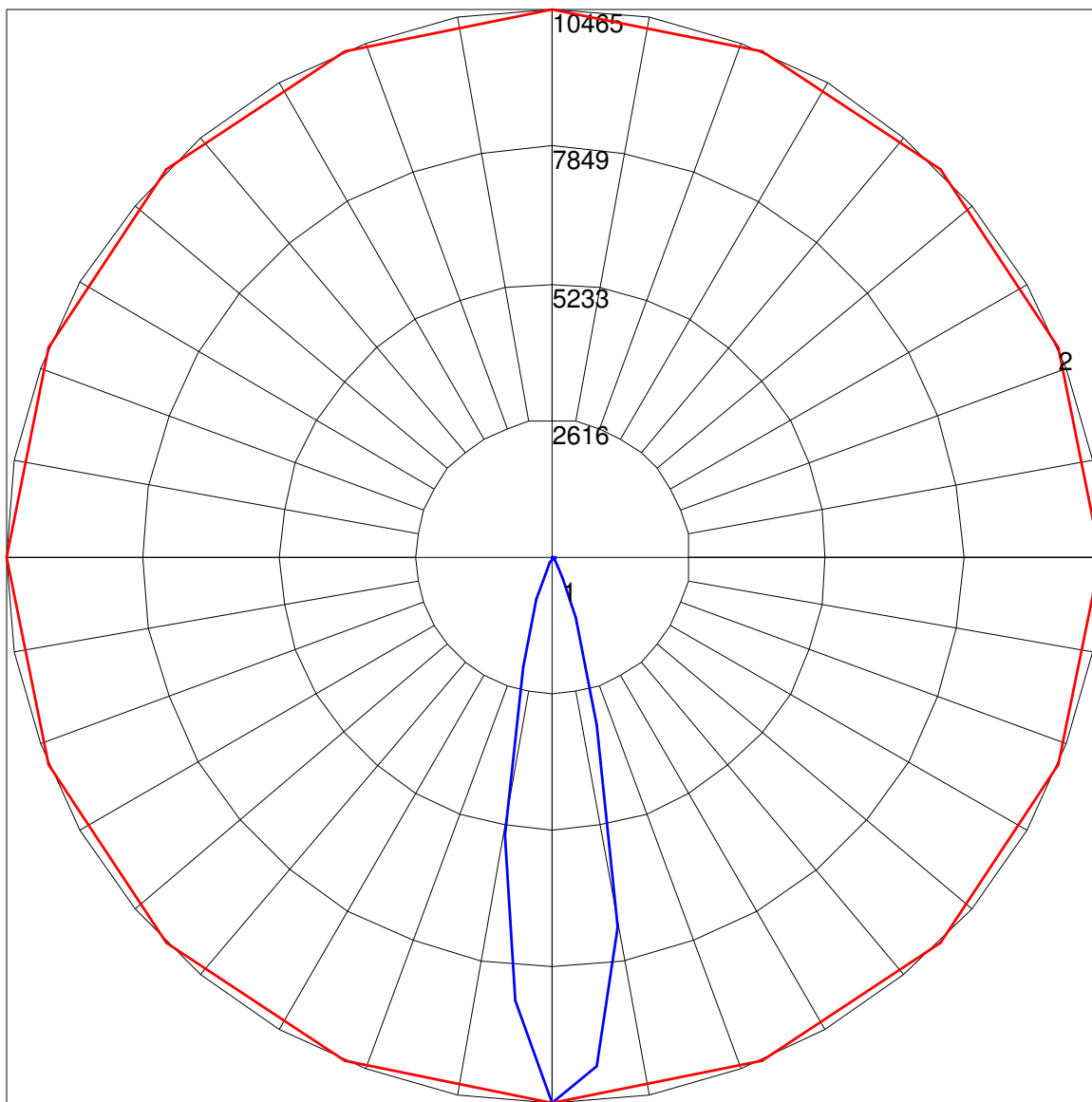
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	81	86	83	81	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	78	77

POLAR GRAPH



Maximum Candela = 10465.026 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)