



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L20-8TW-DIM-UNV-RM-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20356.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 27-APR-2018

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"SQ CAST HOUSING DOWNLIGHT

[MORE] ACRYLIC MED TIR OPTIC & 6"CAST WHITE REGRESS TRIM w/SOLITE

[MORE] LENS ADVANCE # XI025C070V054DSMI @ 560mA

[LUMCAT] 6DS-L20-8TW-DIM-UNV-RM-OF-WH

[LAMPCAT]LAMP CODE : BXRE-35E2000

[_SEARCH_SOURCE]TYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4604	5420	3730
55	2443	2658	2299
65	1658	1365	1365
75	637	796	796
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>
0	5028.542	5028.542	5028.542	5028.542	5028.542
5	4767.008	4746.890	4746.890	4758.386	4786.168
10	4071.500	4011.146	3946.960	3980.490	3997.734
15	2914.236	2911.362	2876.874	2866.336	2865.378
20	1831.696	1776.132	1723.442	1657.340	1639.138
25	975.244	977.160	925.428	897.646	861.242
30	516.362	512.530	487.622	461.756	433.016
35	266.324	279.736	284.526	239.500	218.424
40	137.952	142.742	159.986	126.456	107.296
45	75.682	78.556	89.094	70.892	61.312
50	46.942	50.774	53.648	46.942	41.194
55	32.572	33.530	35.446	32.572	30.656
60	23.950	23.950	23.950	23.950	22.992
65	16.286	15.328	13.412	15.328	13.412
70	9.580	9.580	9.580	9.580	9.580
75	3.832	4.790	4.790	4.790	4.790
80	2.874	1.916	1.916	1.916	1.916
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1217.96	N.A.	61.80
0-30	1675.09	N.A.	85.10
0-40	1851.55	N.A.	94.00
0-60	1947.76	N.A.	98.90
0-80	1968.8	N.A.	100.00
0-90	1969.36	N.A.	100.00
10-90	1539.34	N.A.	78.20
20-40	633.59	N.A.	32.20
20-50	698.73	N.A.	35.50
40-70	111.73	N.A.	5.70
60-80	21.05	N.A.	1.10
70-80	5.52	N.A.	0.30
80-90	0.55	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	1969.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	430.02
10-20	787.94
20-30	457.13
30-40	176.46
40-50	65.14
50-60	31.07
60-70	15.53
70-80	5.52
80-90	0.55
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

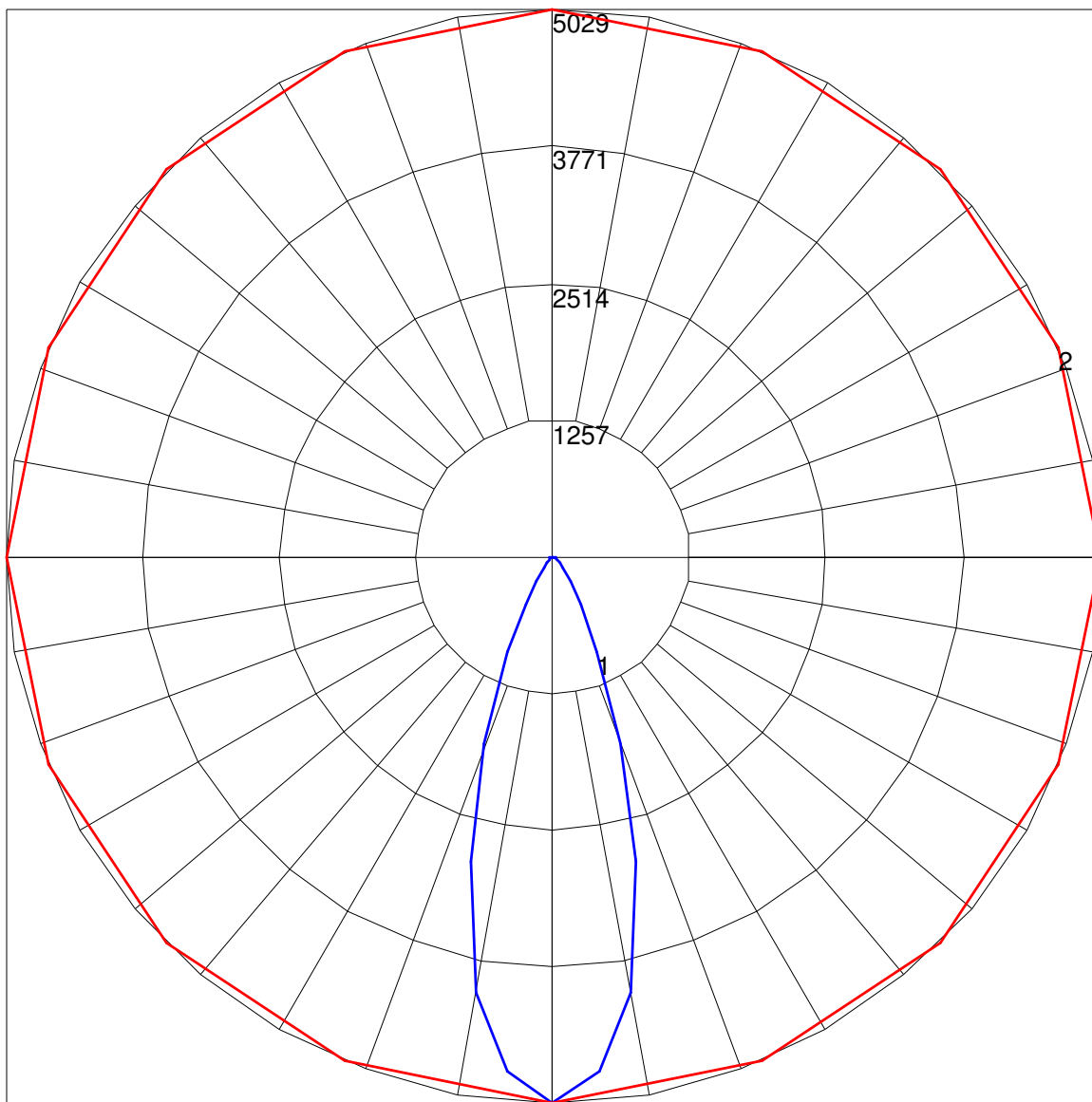
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	111	111	111	111	106	106	106	102	102	102	98	98	98	96
1	109	107	105	103	107	105	103	101	101	100	98	98	96	95	94	93	93	91
2	105	101	97	94	103	99	96	93	96	94	91	93	91	89	91	89	88	86
3	101	95	91	88	99	94	90	87	91	88	86	89	87	84	87	85	83	82
4	96	90	86	82	95	89	85	82	87	84	81	85	82	80	84	81	79	78
5	93	86	81	78	91	85	81	77	83	79	77	82	78	76	80	78	75	74
6	89	82	77	73	88	81	77	73	80	76	73	78	75	72	77	74	72	71
7	86	78	73	70	85	78	73	70	76	72	69	75	72	69	74	71	69	68
8	83	75	70	67	82	74	70	67	73	69	66	73	69	66	72	68	66	65
9	80	72	67	64	79	71	67	64	71	67	64	70	66	63	69	66	63	62
10	77	69	64	61	76	69	64	61	68	64	61	67	64	61	67	63	61	60

POLAR GRAPH



Maximum Candela = 5028.542 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.)