



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L21-9DW-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-L21-9DW-DIM-UNV-RM-OF-WH

[LAMPCAT]LAMP CODE : BXRE-35E2000

[_SEARCH_SOURCETYPE] 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	2171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	37.7
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	5075	5974	4111
55	2693	2930	2534
65	1827	1505	1505
75	702	878	878
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	5542.944	5542.944	5542.944	5542.944	5542.944
5	5254.656	5232.480	5232.480	5245.152	5275.776
10	4488.000	4421.472	4350.720	4387.680	4406.688
15	3212.352	3209.184	3171.168	3159.552	3158.496
20	2019.072	1957.824	1899.744	1826.880	1806.816
25	1075.008	1077.120	1020.096	989.472	949.344
30	569.184	564.960	537.504	508.992	477.312
35	293.568	308.352	313.632	264.000	240.768
40	152.064	157.344	176.352	139.392	118.272
45	83.424	86.592	98.208	78.144	67.584
50	51.744	55.968	59.136	51.744	45.408
55	35.904	36.960	39.072	35.904	33.792
60	26.400	26.400	26.400	26.400	25.344
65	17.952	16.896	14.784	16.896	14.784
70	10.560	10.560	10.560	10.560	10.560
75	4.224	5.280	5.280	5.280	5.280
80	3.168	2.112	2.112	2.112	2.112
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	1342.55	N.A.	61.80
0-30	1846.45	N.A.	85.10
0-40	2040.96	N.A.	94.00
0-60	2147.00	N.A.	98.90
0-80	2170.21	N.A.	100.00
0-90	2170.81	N.A.	100.00
10-90	1696.81	N.A.	78.20
20-40	698.41	N.A.	32.20
20-50	770.21	N.A.	35.50
40-70	123.16	N.A.	5.70
60-80	23.20	N.A.	1.10
70-80	6.08	N.A.	0.30
80-90	0.61	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	2170.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	474.01
10-20	868.55
20-30	503.90
30-40	194.51
40-50	71.80
50-60	34.24
60-70	17.12
70-80	6.08
80-90	0.61
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

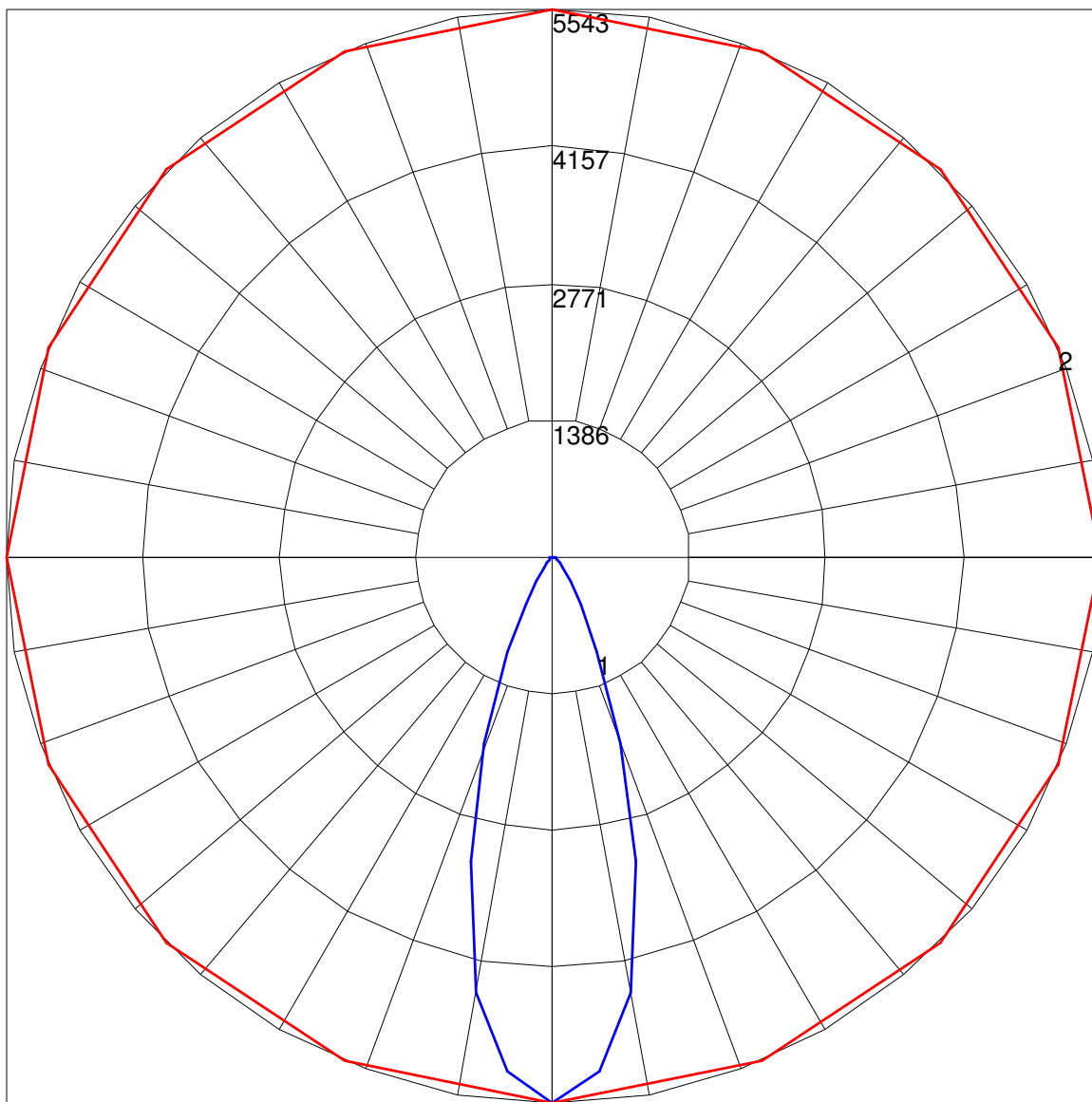
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	126	126	126	126	123	123	123	123	117	117	117	112	112	112	108	108	108	106
1	121	118	116	114	118	116	114	112	111	110	108	108	106	105	104	103	102	100
2	116	111	107	104	113	109	106	103	106	103	101	103	101	99	100	98	97	95
3	111	105	100	97	109	103	99	96	101	97	94	98	95	93	96	94	92	90
4	106	99	94	91	105	98	94	90	96	92	89	94	91	88	92	89	87	86
5	102	95	89	85	101	94	89	85	92	88	84	90	87	84	89	85	83	82
6	98	90	85	81	97	89	84	81	88	83	80	87	83	80	85	82	79	78
7	94	86	81	77	93	86	80	77	84	80	76	83	79	76	82	78	76	74
8	91	83	77	74	90	82	77	73	81	76	73	80	76	73	79	75	73	71
9	88	79	74	70	87	79	74	70	78	73	70	77	73	70	76	72	70	69
10	85	76	71	68	84	76	71	68	75	70	67	74	70	67	74	70	67	66

POLAR GRAPH



Maximum Candela = 5542.944 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.)