



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L7-9DW-DIM-LW-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20349.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 24-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] WHITE MIXING CHAMBER & 6"CAST WHITE FLUSH TRIM w/SOLITE LENS

[LUMCAT] 6DS-L7-9DW-DIM-UNV-LW-OF-WH

[_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	761
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.04
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.10
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	7084	8176	6928
55	5520	5658	5465
65	3839	3839	3727
75	2435	2374	2313
85	542	361	723

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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	513.803	513.803	513.803	513.803	513.803
5	515.268	512.704	512.704	512.338	513.437
10	510.507	508.310	507.944	506.113	509.042
15	503.549	499.887	496.957	495.492	496.957
20	478.646	483.773	486.337	479.745	473.519
25	419.319	431.038	462.533	435.433	421.150
30	313.116	349.738	394.782	352.301	313.482
35	191.898	231.083	309.454	218.266	192.630
40	145.022	159.305	212.040	153.079	143.191
45	116.457	123.415	134.402	120.119	113.894
50	93.385	97.414	100.344	95.217	93.385
55	73.610	73.610	75.441	73.976	72.877
60	53.468	53.834	53.102	53.102	54.200
65	37.720	37.720	37.720	37.354	36.622
70	24.903	24.537	23.072	24.170	24.537
75	14.649	14.282	14.282	13.916	13.916
80	8.057	7.324	6.958	6.958	6.958
85	1.099	1.465	0.732	1.099	1.465
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	189.22	N.A.	24.90
0-30	385.54	N.A.	50.70
0-40	540.02	N.A.	71.00
0-60	704.81	N.A.	92.60
0-80	758.26	N.A.	99.70
0-90	760.83	N.A.	100.00
10-90	712.03	N.A.	93.60
20-40	350.80	N.A.	46.10
20-50	449.00	N.A.	59.00
40-70	202.50	N.A.	26.60
60-80	53.45	N.A.	7.00
70-80	15.74	N.A.	2.10
80-90	2.58	N.A.	0.30
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	760.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.80
10-20	140.42
20-30	196.32
30-40	154.48
40-50	98.20
50-60	66.59
60-70	37.71
70-80	15.74
80-90	2.58
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

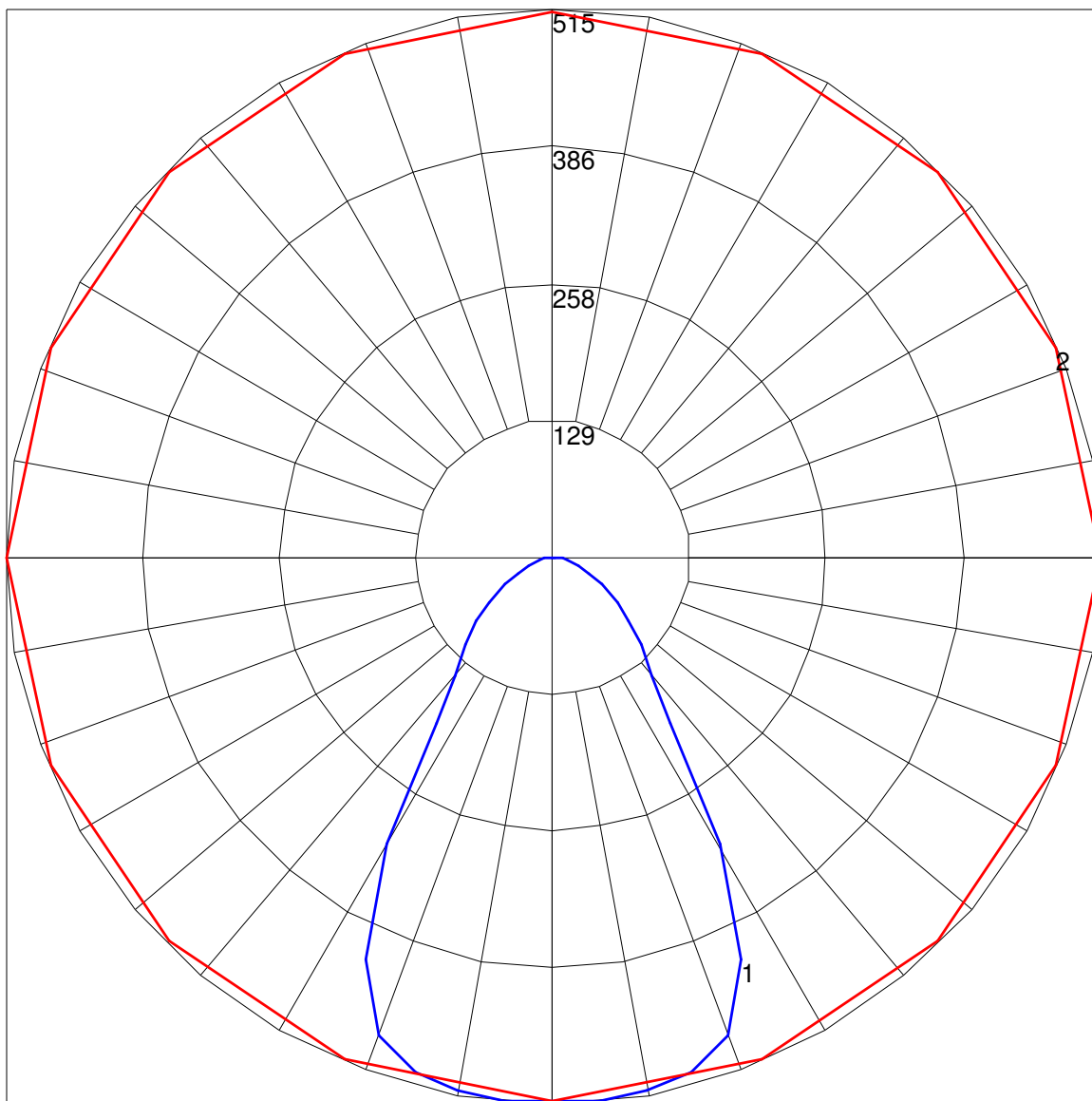
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC 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	41	41	41	41	40	40	40	40	39	39	39	37	37	37	35	35	35	35
1	39	38	36	35	38	37	36	35	35	35	34	34	33	33	33	32	32	31
2	36	34	32	31	35	33	32	30	32	31	30	31	30	29	30	29	28	28
3	34	31	29	27	33	30	28	27	29	28	26	29	27	26	28	26	25	25
4	32	28	26	24	31	28	26	24	27	25	24	26	25	23	26	24	23	22
5	29	26	23	22	29	26	23	21	25	23	21	24	22	21	24	22	21	20
6	28	24	21	19	27	24	21	19	23	21	19	22	21	19	22	20	19	18
7	26	22	20	18	25	22	19	18	21	19	18	21	19	18	20	19	17	17
8	24	21	18	16	24	20	18	16	20	18	16	19	18	16	19	17	16	15
9	23	19	17	15	23	19	17	15	19	16	15	18	16	15	18	16	15	14
10	22	18	16	14	21	18	15	14	17	15	14	17	15	14	17	15	14	13

POLAR GRAPH



Maximum Candela = 515.268 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)