



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L11-8TW-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

[ISSUE DATE] 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-L11-8TW-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	1168
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	14.6
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	10873	12549	10634
55	8473	8684	8388
65	5893	5893	5721
75	3737	3643	3550
85	832	555	1109

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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>
<b>0</b>	788.597	788.597	788.597	788.597	788.597
<b>5</b>	790.845	786.910	786.910	786.348	788.035
<b>10</b>	783.538	780.166	779.603	776.793	781.290
<b>15</b>	772.858	767.238	762.741	760.493	762.741
<b>20</b>	734.637	742.506	746.441	736.323	726.768
<b>25</b>	643.580	661.567	709.906	668.312	646.391
<b>30</b>	480.577	536.785	605.921	540.720	481.140
<b>35</b>	294.529	354.672	474.957	334.999	295.653
<b>40</b>	222.583	244.504	325.444	234.949	219.773
<b>45</b>	178.741	189.421	206.283	184.362	174.807
<b>50</b>	143.330	149.513	154.010	146.141	143.330
<b>55</b>	112.978	112.978	115.788	113.540	111.854
<b>60</b>	82.064	82.626	81.501	81.501	83.188
<b>65</b>	57.894	57.894	57.894	57.332	56.208
<b>70</b>	38.221	37.659	35.411	37.097	37.659
<b>75</b>	22.483	21.921	21.921	21.359	21.359
<b>80</b>	12.366	11.242	10.679	10.679	10.679
<b>85</b>	1.686	2.248	1.124	1.686	2.248
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	290.42	N.A.	24.90
0-30	591.74	N.A.	50.70
0-40	828.84	N.A.	71.00
0-60	1081.76	N.A.	92.60
0-80	1163.79	N.A.	99.70
0-90	1167.75	N.A.	100.00
10-90	1092.84	N.A.	93.60
20-40	538.41	N.A.	46.10
20-50	689.13	N.A.	59.00
40-70	310.80	N.A.	26.60
60-80	82.03	N.A.	7.00
70-80	24.15	N.A.	2.10
80-90	3.96	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	1167.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	74.90
10-20	215.52
20-30	301.32
30-40	237.10
40-50	150.72
50-60	102.20
60-70	57.88
70-80	24.15
80-90	3.96
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

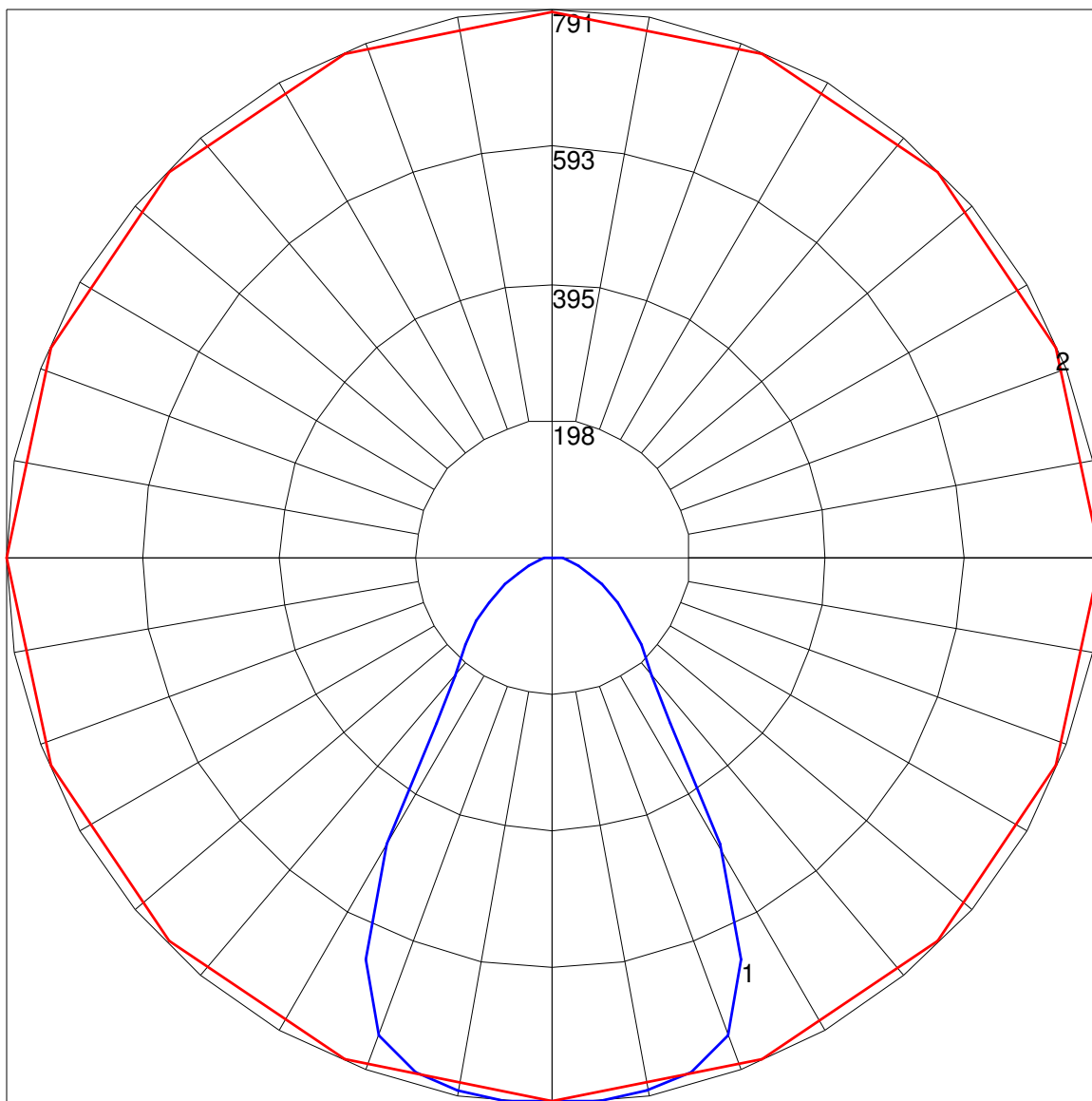
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	70	70	70	70	68	68	68	68	65	65	65	62	62	62	60	60	60	59
1	66	63	62	60	64	62	61	59	60	58	57	58	56	55	55	55	54	53
2	61	58	54	52	60	56	54	51	54	52	50	53	51	49	51	49	48	47
3	57	52	49	46	56	51	48	45	50	47	44	48	46	44	47	45	43	42
4	53	48	44	41	52	47	43	40	46	42	40	44	42	39	43	41	39	38
5	50	44	40	36	49	43	39	36	42	39	36	41	38	36	40	37	35	34
6	47	40	36	33	46	40	36	33	39	35	33	38	35	32	37	34	32	31
7	44	37	33	30	43	37	33	30	36	32	30	35	32	30	35	32	29	28
8	41	35	30	28	41	34	30	28	34	30	27	33	30	27	32	29	27	26
9	39	32	28	25	38	32	28	25	31	28	25	31	28	25	30	27	25	24
10	37	30	26	24	36	30	26	24	29	26	23	29	26	23	28	25	23	22

POLAR GRAPH



Maximum Candela = 790.845 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.)