



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DS-P25-835-DIM-POE-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-P25-835-DIM-PoE-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	2447
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	25
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	5720	6733	4634
55	3035	3302	2856
65	2059	1696	1696
75	791	989	989
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>
<b>0</b>	6247.229	6247.229	6247.229	6247.229	6247.229
<b>5</b>	5922.311	5897.317	5897.317	5911.600	5946.115
<b>10</b>	5058.244	4983.263	4903.521	4945.177	4966.601
<b>15</b>	3620.513	3616.942	3574.096	3561.004	3559.814
<b>20</b>	2275.615	2206.585	2141.125	2059.003	2036.390
<b>25</b>	1211.598	1213.979	1149.709	1115.194	1069.967
<b>30</b>	641.504	636.744	605.799	573.664	537.959
<b>35</b>	330.869	347.531	353.482	297.544	271.360
<b>40</b>	171.385	177.336	198.759	157.103	133.300
<b>45</b>	94.024	97.594	110.686	88.073	76.171
<b>50</b>	58.319	63.079	66.650	58.319	51.178
<b>55</b>	40.466	41.656	44.036	40.466	38.086
<b>60</b>	29.754	29.754	29.754	29.754	28.564
<b>65</b>	20.233	19.043	16.662	19.043	16.662
<b>70</b>	11.902	11.902	11.902	11.902	11.902
<b>75</b>	4.761	5.951	5.951	5.951	5.951
<b>80</b>	3.571	2.380	2.380	2.380	2.380
<b>85</b>	0.000	0.000	0.000	0.000	0.000
<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	1513.14	N.A.	61.80
0-30	2081.06	N.A.	85.10
0-40	2300.28	N.A.	94.00
0-60	2419.8	N.A.	98.90
0-80	2445.95	N.A.	100.00
0-90	2446.64	N.A.	100.00
10-90	1912.4	N.A.	78.20
20-40	787.14	N.A.	32.20
20-50	868.07	N.A.	35.50
40-70	138.81	N.A.	5.70
60-80	26.15	N.A.	1.10
70-80	6.86	N.A.	0.30
80-90	0.69	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	2446.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	534.23
10-20	978.90
20-30	567.92
30-40	219.22
40-50	80.93
50-60	38.59
60-70	19.29
70-80	6.86
80-90	0.69
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

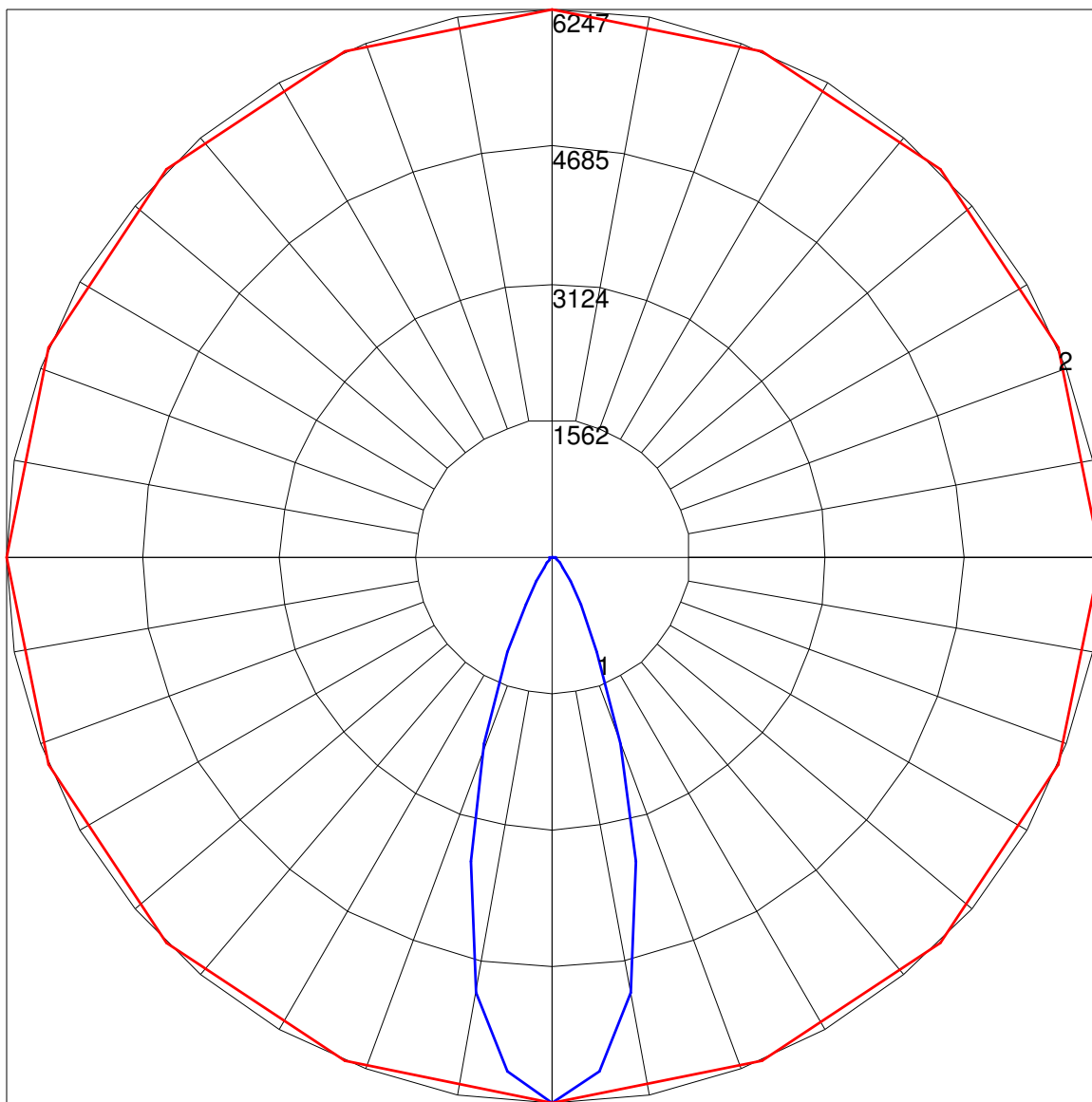
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62

POLAR GRAPH



Maximum Candela = 6247.229 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.)