



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DS-P25-835-DIM-POE-LM-OF-WH.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] GEN from BALLABS TEST NO. 20351.0  
[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 FLUSH TRIM w/SOLITE  
[MORE] LENS ADVANCE # XI025C070V054DSM1 @ 560mA  
[LUMCAT] 6DS-P25-835-DIM-PoE-LM-OF-WH  
[LAMPCAT] 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	2515
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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)	0.54
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	3905	5568	4411
55	3120	3120	2942
65	2541	2299	2420
75	1778	1383	1580
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>	6881.107	6881.107	6881.107	6881.107	6881.107
<b>5</b>	6550.661	6566.114	6563.737	6567.303	6606.528
<b>10</b>	5630.645	5524.855	5553.382	5553.382	5634.211
<b>15</b>	3943.947	3930.872	3901.156	3822.705	3877.383
<b>20</b>	2242.986	2311.928	2227.534	2112.235	1929.182
<b>25</b>	1109.012	1131.597	1097.126	1019.863	948.544
<b>30</b>	517.064	533.705	537.271	469.518	425.537
<b>35</b>	250.806	259.126	284.088	241.296	202.071
<b>40</b>	122.431	139.072	152.147	123.620	106.979
<b>45</b>	64.187	84.394	91.526	79.640	72.508
<b>50</b>	59.433	60.621	61.810	58.244	54.678
<b>55</b>	41.603	41.603	41.603	40.414	39.226
<b>60</b>	32.094	30.905	32.094	32.094	30.905
<b>65</b>	24.962	24.962	22.584	24.962	23.773
<b>70</b>	16.641	16.641	16.641	16.641	16.641
<b>75</b>	10.698	9.509	8.321	9.509	9.509
<b>80</b>	4.755	4.755	3.566	4.755	4.755
<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	1656.63	N.A.	65.90
0-30	2196.87	N.A.	87.40
0-40	2372.4	N.A.	94.30
0-60	2478.91	N.A.	98.60
0-80	2513.34	N.A.	100.00
0-90	2514.55	N.A.	100.00
10-90	1919.65	N.A.	76.30
20-40	715.77	N.A.	28.50
20-50	783.65	N.A.	31.20
40-70	130.44	N.A.	5.20
60-80	34.42	N.A.	1.40
70-80	10.49	N.A.	0.40
80-90	1.21	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	2514.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	594.90
10-20	1061.74
20-30	540.24
30-40	175.53
40-50	67.88
50-60	38.63
60-70	23.93
70-80	10.49
80-90	1.21
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

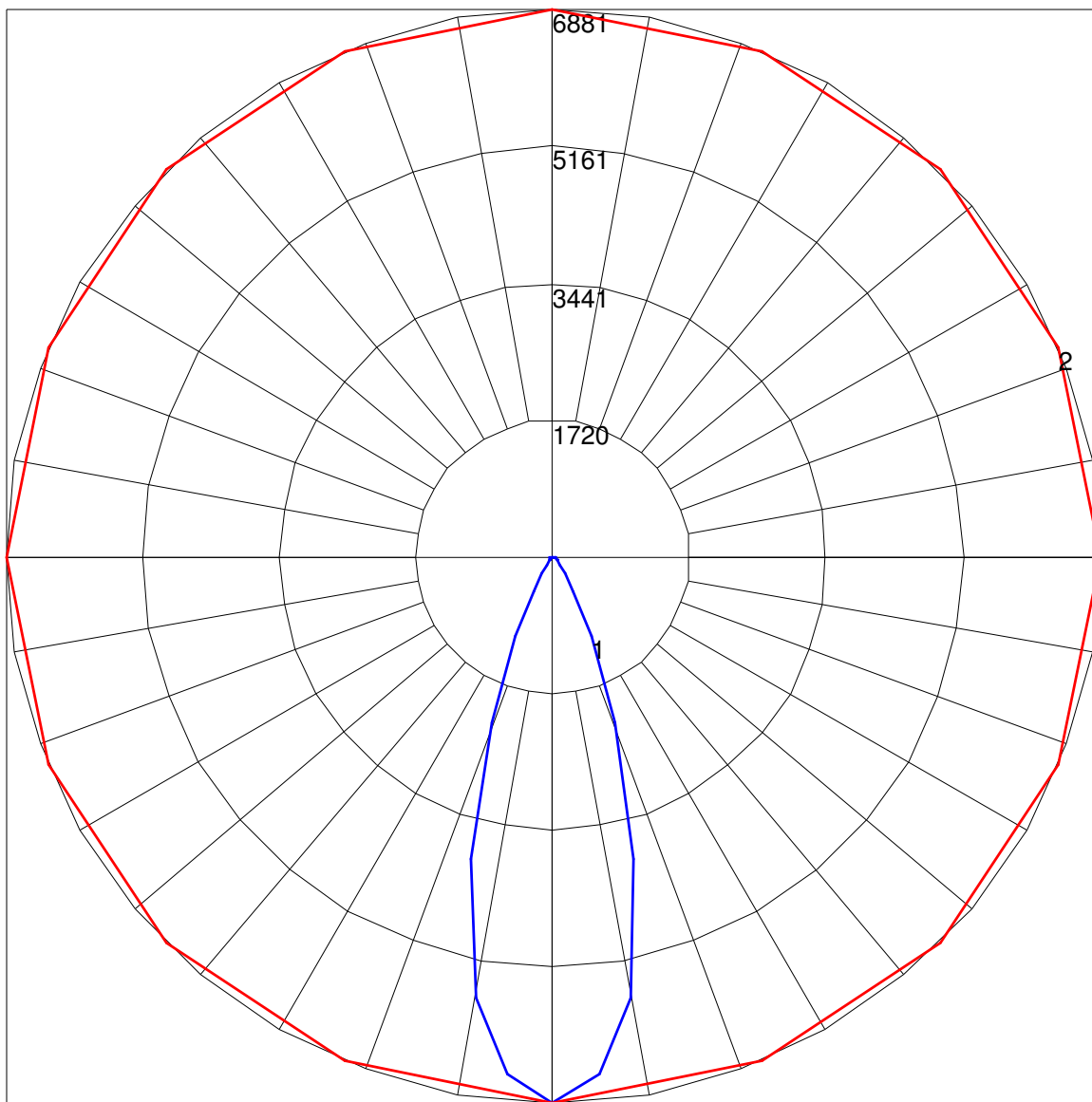
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	98	95	92	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	85	83	82
5	97	90	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	77	72	68	83	76	72	68	75	71	68	74	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64

POLAR GRAPH



Maximum Candela = 6881.107 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.)