



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from BALLABS TEST NO. 20352.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIESW, 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 NARROW TIR OPTIC & 6"CAST WHITE FLUSH TRIM w/SOLI
 [MORE] LENS ADVANCE # XI025C070V054DSM1 @ 560mA
 [LUMCAT] 6DS-P25-835-DIM-PoE-LN-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	2449
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)	0.44
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.46
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	4327	4976	4110
55	3023	3200	2934
65	2413	2413	2172
75	1379	1576	1379
85	585	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	9692.869	9692.869	9692.869	9692.869	9692.869
5	8650.918	8685.294	8778.939	8685.294	8644.991
10	6356.018	6424.770	6326.384	6211.402	6146.206
15	3722.100	3646.235	3649.791	3371.226	3470.799
20	1902.538	1913.207	1766.219	1646.496	1582.485
25	820.284	819.099	827.397	731.381	692.263
30	354.429	368.654	374.581	329.536	302.272
35	194.403	184.920	197.959	169.510	151.729
40	105.499	106.684	122.094	103.128	97.201
45	71.123	74.679	81.791	71.123	67.567
50	49.786	53.342	58.084	52.157	48.601
55	40.303	41.488	42.674	39.118	39.118
60	29.635	29.635	29.635	29.635	29.635
65	23.708	22.522	23.708	22.522	21.337
70	15.410	14.225	14.225	14.225	13.039
75	8.298	9.483	9.483	9.483	8.298
80	4.742	4.742	4.742	3.556	4.742
85	1.185	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	1781.53	N.A.	72.80
0-30	2192.53	N.A.	89.50
0-40	2319.15	N.A.	94.70
0-60	2415.39	N.A.	98.60
0-80	2447.29	N.A.	99.90
0-90	2448.58	N.A.	100.00
10-90	1692.01	N.A.	69.10
20-40	537.62	N.A.	22.00
20-50	597.17	N.A.	24.40
40-70	118.38	N.A.	4.80
60-80	31.90	N.A.	1.30
70-80	9.77	N.A.	0.40
80-90	1.29	N.A.	0.10
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	2448.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	756.57
10-20	1024.96
20-30	411.00
30-40	126.62
40-50	59.55
50-60	36.69
60-70	22.13
70-80	9.77
80-90	1.29
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

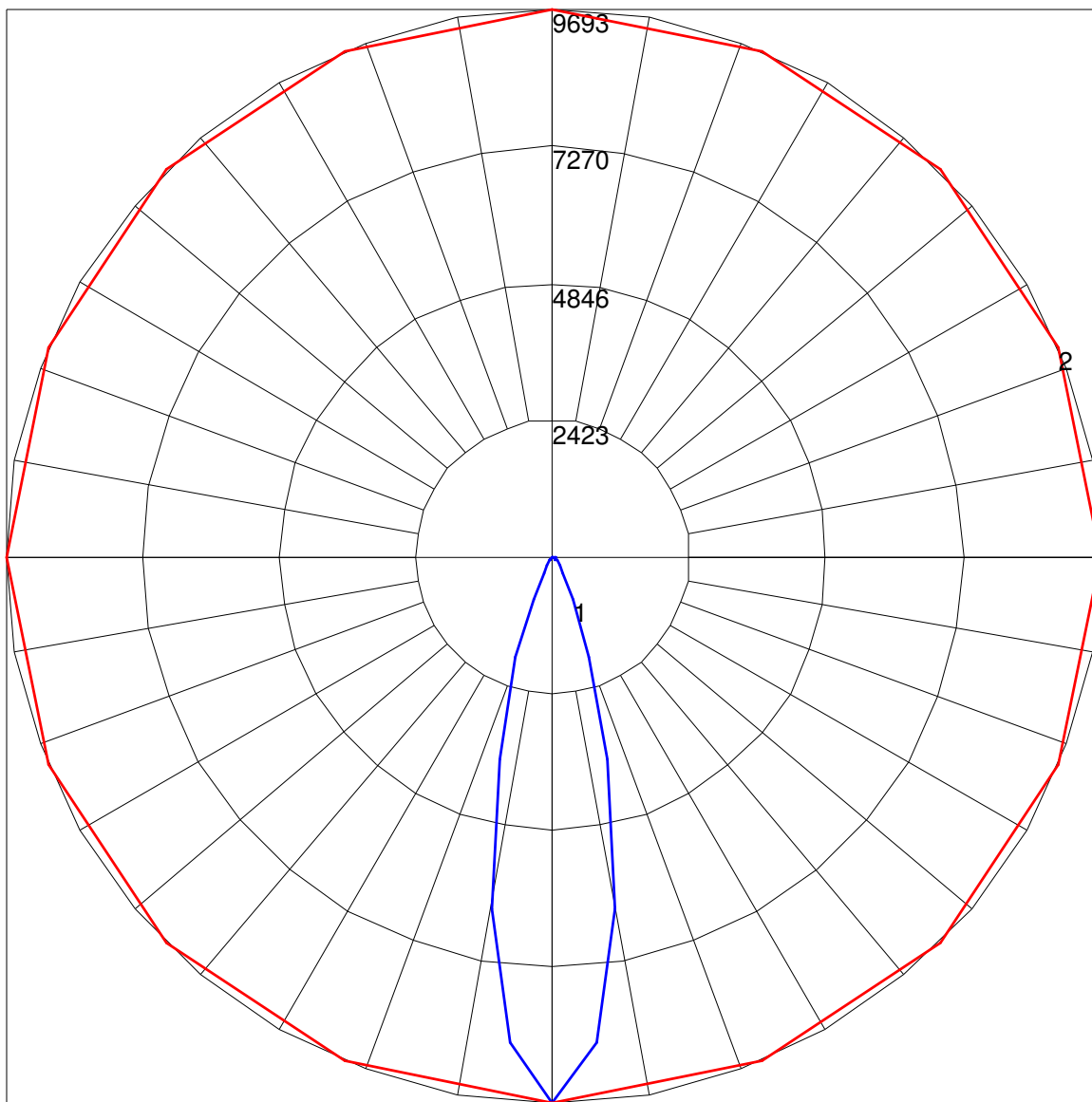
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	86	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73
9	87	80	76	72	86	80	75	72	79	75	72	78	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69

POLAR GRAPH



Maximum Candela = 9692.869 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.)