



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6DS-P25-835-DIM-POE-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
[MORE] LENS ADVANCE # XI025C070V054DSM1 @ 560mA
[LUMCAT] 6DS-P25-835-DIM-PoE-LW-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	2454
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)	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	22854	26376	22351
55	17809	18252	17632
65	12386	12386	12025
75	7854	7658	7461
85	1749	1166	2332

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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	1657.538	1657.538	1657.538	1657.538	1657.538
5	1662.264	1653.994	1653.994	1652.812	1656.356
10	1646.905	1639.817	1638.635	1632.728	1642.179
15	1624.458	1612.644	1603.192	1598.467	1603.192
20	1544.121	1560.661	1568.931	1547.665	1527.581
25	1352.731	1390.536	1492.139	1404.713	1358.638
30	1010.118	1128.260	1273.575	1136.530	1011.299
35	619.066	745.479	998.303	704.129	621.429
40	467.844	513.919	684.045	493.835	461.937
45	375.693	398.140	433.583	387.507	367.423
50	301.263	314.259	323.710	307.170	301.263
55	237.466	237.466	243.373	238.648	235.103
60	172.488	173.669	171.306	171.306	174.851
65	121.687	121.687	121.687	120.505	118.142
70	80.337	79.155	74.430	77.974	79.155
75	47.257	46.076	46.076	44.894	44.894
80	25.991	23.628	22.447	22.447	22.447
85	3.544	4.726	2.363	3.544	4.726
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	610.44	N.A.	24.90
0-30	1243.77	N.A.	50.70
0-40	1742.12	N.A.	71.00
0-60	2273.72	N.A.	92.60
0-80	2446.15	N.A.	99.70
0-90	2454.46	N.A.	100.00
10-90	2297.03	N.A.	93.60
20-40	1131.68	N.A.	46.10
20-50	1448.48	N.A.	59.00
40-70	653.27	N.A.	26.60
60-80	172.43	N.A.	7.00
70-80	50.76	N.A.	2.10
80-90	8.31	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	2454.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	157.44
10-20	453.00
20-30	633.33
30-40	498.35
40-50	316.79
50-60	214.81
60-70	121.67
70-80	50.76
80-90	8.31
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

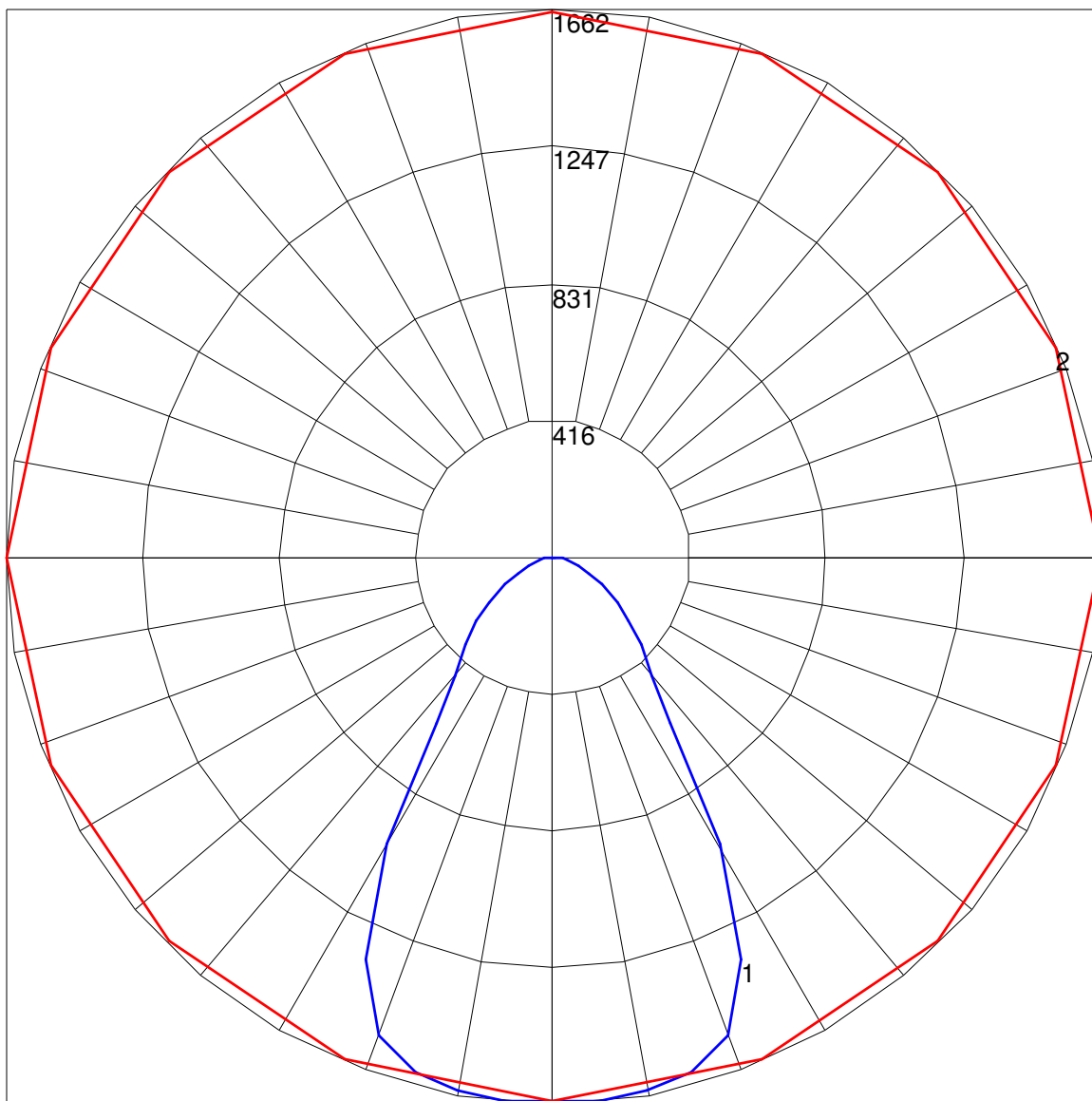
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	93	89	102	96	92	87	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	50	59	54	50	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45
9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38

POLAR GRAPH



Maximum Candela = 1662.264 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.)