



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6DS-P25-835-DIM-POE-OWW-OF-CS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20347.0
 [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"ALUM SEMI-SPEC WALL WASH TRIM
 [MORE] w/FROST FILM ADVANCE # XI025C070V054DSM1 @ 560mA
 [LUMCAT] 6DS-P25-835-DIM-PoE-OWW-OF-CS
 [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	2198
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.90
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	34097	19884	10337
55	28761	6726	1593
65	31467	1681	0
75	20200	196	0
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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	2298.64	2298.64	2298.64	2298.64	2298.64	2298.64	2298.64	2298.64	2298.64
5	2326.96	2309.26	2302.18	2279.76	2257.34	2247.90	2251.44	2270.32	2273.86
10	2211.32	2199.52	2192.44	2172.38	2141.70	2139.34	2170.02	2183.00	2197.16
15	2010.72	1990.66	1994.20	1980.04	1957.62	1977.68	1998.92	1982.40	2006.00
20	1767.64	1722.80	1753.48	1732.24	1696.84	1732.24	1762.92	1711.00	1683.86
25	1418.36	1482.08	1437.24	1377.06	1341.66	1416.00	1432.52	1332.22	1272.04
30	1086.78	1122.18	1121.00	945.18	909.78	999.46	1063.18	916.86	836.62
35	809.48	787.06	777.62	597.08	522.74	624.22	699.74	573.48	528.64
40	658.44	601.80	473.18	348.10	291.46	352.82	423.62	368.16	349.28
45	560.50	514.48	326.86	178.18	169.92	172.28	226.56	221.84	214.76
50	448.40	408.28	186.44	90.86	70.80	76.70	102.66	106.20	112.10
55	383.50	312.70	89.68	37.76	21.24	27.14	34.22	36.58	37.76
60	349.28	258.42	34.22	1.18	0.00	0.00	7.08	4.72	11.80
65	309.16	210.04	16.52	2.36	0.00	0.00	0.00	2.36	2.36
70	217.12	134.52	9.44	0.00	0.00	0.00	0.00	0.00	0.00
75	121.54	63.72	1.18	0.00	0.00	0.00	0.00	0.00	0.00
80	16.52	12.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	767.09	N.A.	34.90
0-30	1398.64	N.A.	63.60
0-40	1822.92	N.A.	82.90
0-60	2133.69	N.A.	97.10
0-80	2197.74	N.A.	100.00
0-90	2198.46	N.A.	100.00
10-90	1984.47	N.A.	90.30
20-40	1055.83	N.A.	48.00
20-50	1273.44	N.A.	57.90
40-70	357.54	N.A.	16.30
60-80	64.05	N.A.	2.90
70-80	17.27	N.A.	0.80
80-90	0.72	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	2198.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	213.99
10-20	553.10
20-30	631.55
30-40	424.28
40-50	217.61
50-60	93.16
60-70	46.78
70-80	17.27
80-90	0.72
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

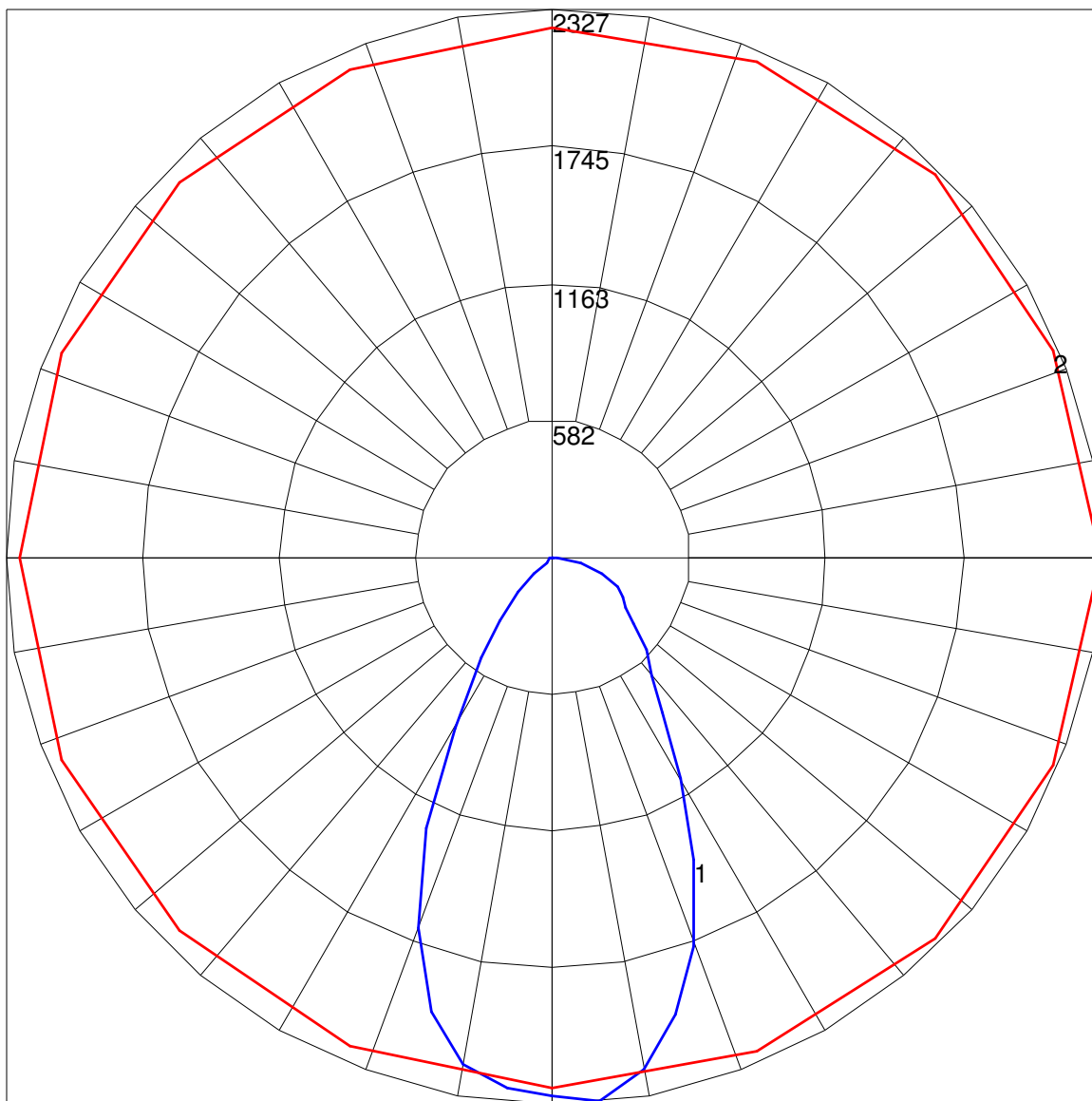
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	85
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	67	66
6	85	75	69	64	83	74	68	64	73	68	63	71	67	63	70	66	63	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47

POLAR GRAPH



Maximum Candela = 2326.96 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.)