



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L36-8TW-DIM-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

[ISSUE DATE] 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 LENS

[LUMCAT] 6DS-L36-8TW-DIM-UNV-LW-OF-WH

[_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	3698
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	44.9
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	34430	39735	33672
55	26829	27496	26562
65	18659	18659	18115
75	11832	11536	11240
85	2635	1757	3514

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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	2497.059	2497.059	2497.059	2497.059	2497.059
5	2504.179	2491.720	2491.720	2489.940	2495.280
10	2481.041	2470.362	2468.583	2459.684	2473.922
15	2447.225	2429.427	2415.189	2408.069	2415.189
20	2326.199	2351.116	2363.574	2331.538	2301.281
25	2037.871	2094.825	2247.887	2116.182	2046.770
30	1521.729	1699.709	1918.624	1712.168	1523.509
35	932.615	1123.054	1503.931	1060.761	936.175
40	704.801	774.213	1030.504	743.956	695.902
45	565.976	599.793	653.187	583.774	553.518
50	453.849	473.427	487.665	462.748	453.849
55	357.740	357.740	366.639	359.520	354.180
60	259.851	261.631	258.071	258.071	263.410
65	183.319	183.319	183.319	181.540	177.980
70	121.026	119.247	112.127	117.467	119.247
75	71.192	69.412	69.412	67.632	67.632
80	39.156	35.596	33.816	33.816	33.816
85	5.339	7.119	3.560	5.339	7.119
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	919.62	N.A.	24.90
0-30	1873.72	N.A.	50.70
0-40	2624.48	N.A.	71.00
0-60	3425.33	N.A.	92.60
0-80	3685.09	N.A.	99.70
0-90	3697.62	N.A.	100.00
10-90	3460.44	N.A.	93.60
20-40	1704.87	N.A.	46.10
20-50	2182.11	N.A.	59.00
40-70	984.14	N.A.	26.60
60-80	259.76	N.A.	7.00
70-80	76.47	N.A.	2.10
80-90	12.53	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	3697.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	237.18
10-20	682.44
20-30	954.10
30-40	750.76
40-50	477.24
50-60	323.61
60-70	183.29
70-80	76.47
80-90	12.53
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

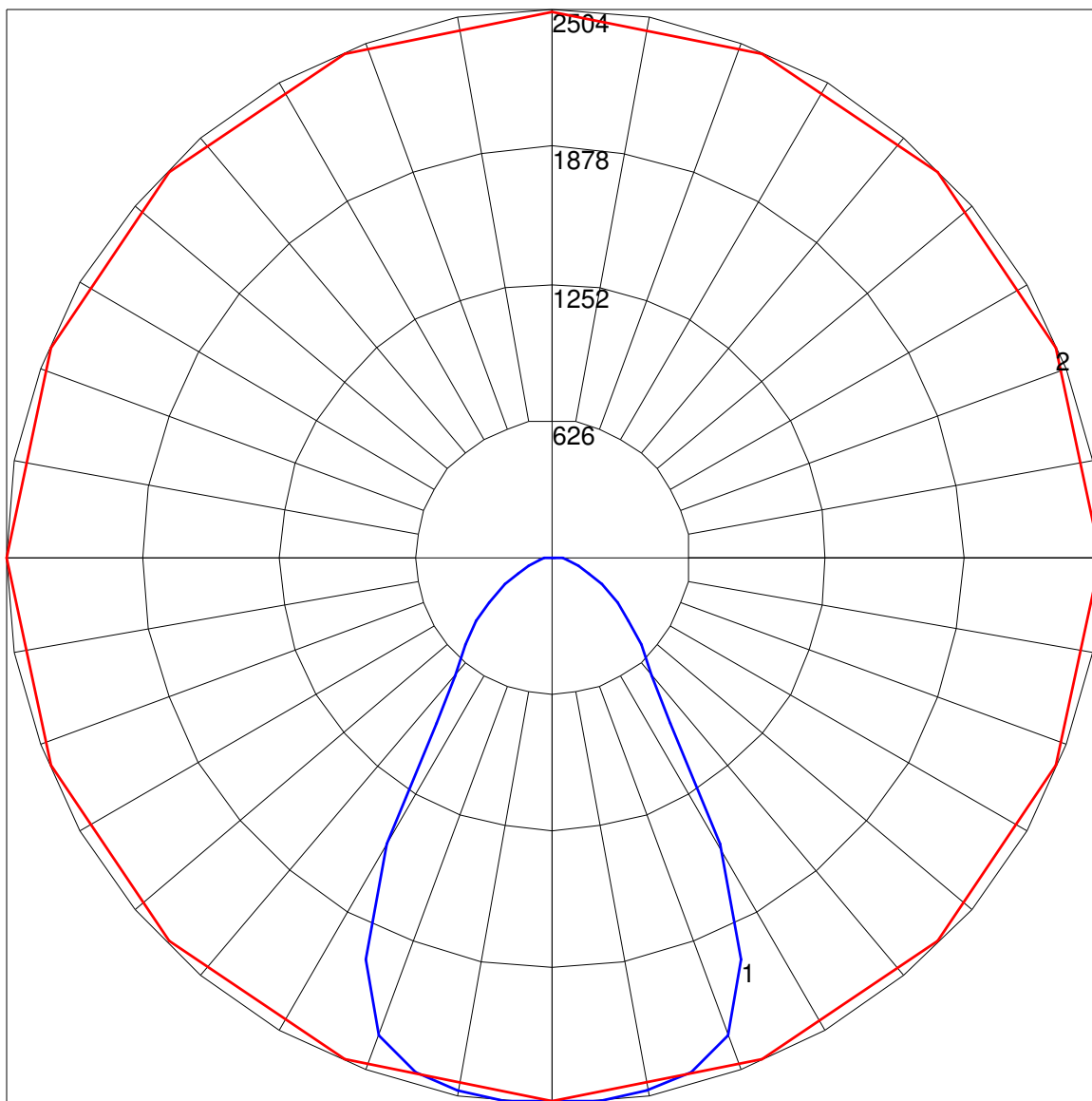
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	221	221	221	221	216	216	216	216	206	206	206	198	198	198	190	190	190	186
1	208	201	195	190	203	197	192	187	189	185	181	182	179	176	176	173	170	167
2	194	182	173	164	189	179	170	163	173	165	159	167	161	155	161	156	152	149
3	181	166	154	144	177	163	152	143	158	148	141	153	145	139	148	142	136	133
4	169	151	138	128	165	149	137	128	145	134	126	141	132	124	137	129	123	120
5	158	139	125	115	155	137	124	115	133	122	114	130	120	113	127	118	111	108
6	148	128	114	104	145	126	113	104	123	112	103	120	110	102	118	109	102	98
7	139	118	105	95	136	117	104	95	114	103	94	112	102	94	110	100	93	90
8	131	110	97	87	128	109	96	87	106	95	87	104	94	86	102	93	86	83
9	124	102	89	81	121	101	89	80	99	88	80	98	87	80	96	86	79	77
10	117	96	83	75	115	95	83	75	93	82	74	92	81	74	90	81	74	71

POLAR GRAPH



Maximum Candela = 2504.179 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.)