



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-P54-835-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 LENS

[LUMCAT] 6DS-P54-835-DIM-PoE-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	5353
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	50
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	49842	57522	48745
55	38838	39804	38452
65	27011	27011	26224
75	17128	16700	16272
85	3815	2543	5086

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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	3614.829	3614.829	3614.829	3614.829	3614.829
5	3625.135	3607.100	3607.100	3604.523	3612.253
10	3591.641	3576.182	3573.605	3560.723	3581.335
15	3542.687	3516.922	3496.310	3486.004	3496.310
20	3367.485	3403.556	3421.592	3375.215	3331.414
25	2950.092	3032.540	3254.119	3063.458	2962.975
30	2202.907	2460.557	2777.467	2478.593	2205.484
35	1350.086	1625.771	2177.142	1535.594	1355.239
40	1020.294	1120.777	1491.793	1076.977	1007.411
45	819.327	868.280	945.575	845.092	801.291
50	657.007	685.349	705.961	669.890	657.007
55	517.876	517.876	530.759	520.453	512.723
60	376.169	378.745	373.592	373.592	381.322
65	265.379	265.379	265.379	262.803	257.650
70	175.202	172.625	162.319	170.049	172.625
75	103.060	100.483	100.483	97.907	97.907
80	56.683	51.530	48.953	48.953	48.953
85	7.729	10.306	5.153	7.729	10.306
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1331.27	N.A.	24.90
0-30	2712.46	N.A.	50.70
0-40	3799.29	N.A.	71.00
0-60	4958.63	N.A.	92.60
0-80	5334.67	N.A.	99.70
0-90	5352.8	N.A.	100.00
10-90	5009.46	N.A.	93.60
20-40	2468.02	N.A.	46.10
20-50	3158.9	N.A.	59.00
40-70	1424.67	N.A.	26.60
60-80	376.04	N.A.	7.00
70-80	110.70	N.A.	2.10
80-90	18.13	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	5352.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	343.34
10-20	987.93
20-30	1381.19
30-40	1086.83
40-50	690.88
50-60	468.46
60-70	265.33
70-80	110.70
80-90	18.13
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

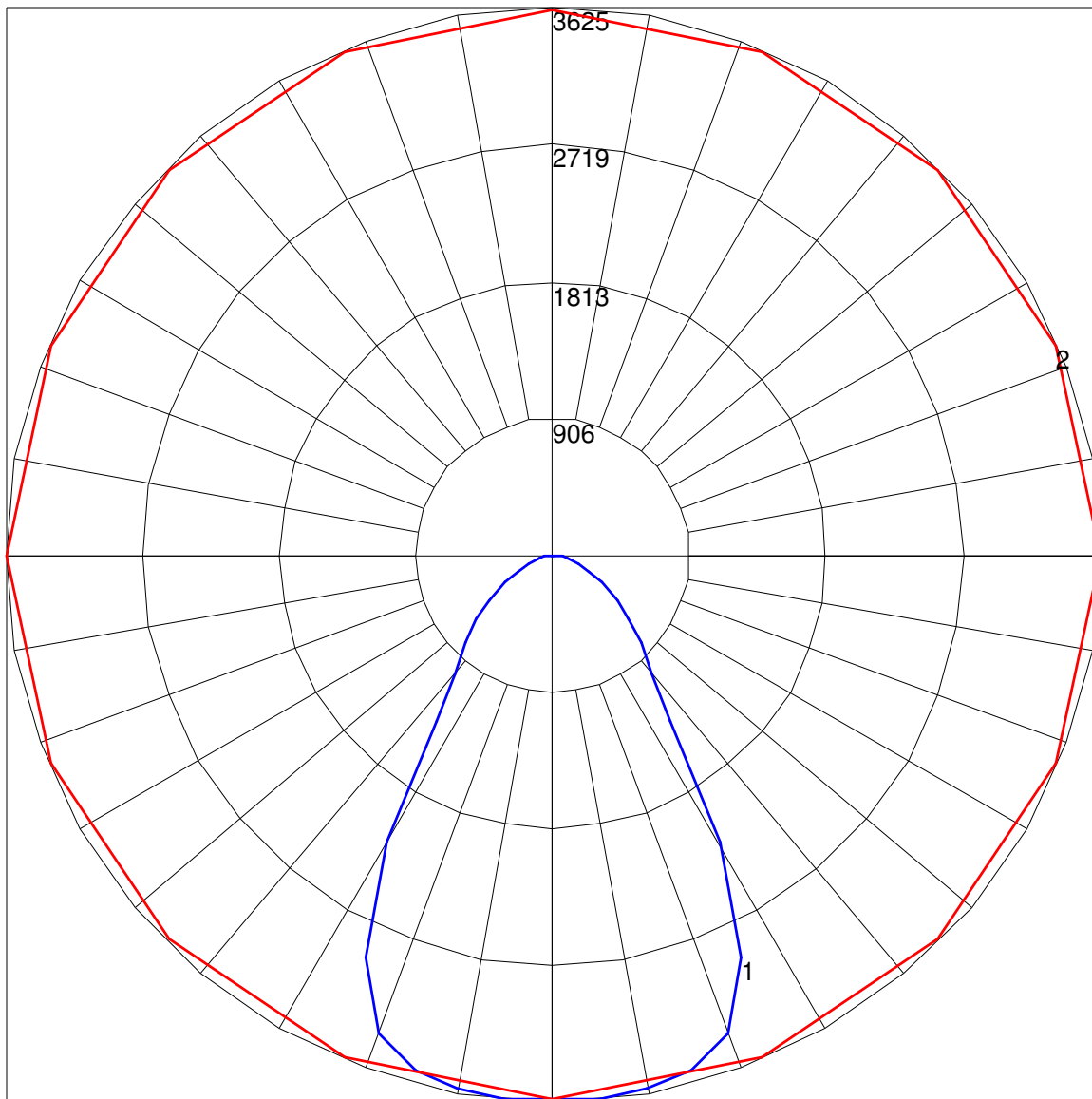
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	307	307	307	307	300	300	300	300	286	286	286	274	274	274	263	263	263	258
1	288	279	271	263	281	273	266	259	262	256	251	253	248	243	244	240	236	231
2	269	252	239	228	262	248	236	225	239	229	220	231	223	215	224	217	211	206
3	251	230	213	200	245	226	211	199	219	206	195	212	201	192	206	197	189	184
4	234	210	192	178	229	206	190	177	200	186	175	195	183	173	190	179	170	166
5	219	192	174	160	214	190	172	159	185	169	158	180	167	156	176	164	155	150
6	205	177	158	145	201	175	157	144	171	155	143	167	153	142	163	151	141	137
7	193	164	145	132	189	162	144	132	158	142	131	155	141	130	152	139	129	125
8	182	152	134	121	178	151	133	121	148	132	120	145	130	120	142	129	119	115
9	171	142	124	112	168	141	123	112	138	122	111	135	121	111	133	120	110	106
10	162	133	115	104	159	132	115	103	129	114	103	127	113	103	125	112	102	98

POLAR GRAPH



Maximum Candela = 3625.135 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.)