



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L60-835-DIM-OW-OF-CS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20343.0

[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 TRIM w/FROST FILM

[LUMCAT] 6DS-L60-835-DIM-OW-OF-CS

[_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	5599
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	64.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
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	27445	42575	26742
55	3904	6940	3904
65	0	0	0
75	0	0	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>
0	6449.260	6449.260	6449.260	6449.260	6449.260
5	6402.988	6394.312	6362.499	6342.255	6336.471
10	6061.726	6084.863	6070.402	6027.022	6018.346
15	5497.778	5518.022	5509.346	5477.533	5457.289
20	4789.227	4783.442	4809.471	4777.658	4760.306
25	3837.744	3947.641	3982.346	3895.585	3779.903
30	2657.789	2770.579	3013.511	2785.039	2680.926
35	1579.057	1827.772	2166.142	1755.471	1541.460
40	908.102	997.756	1353.477	957.267	893.642
45	451.159	535.028	699.875	543.704	439.591
50	182.199	222.687	289.205	216.903	179.307
55	52.057	72.301	92.545	75.193	52.057
60	5.784	8.676	20.244	8.676	2.892
65	0.000	0.000	0.000	0.000	0.000
70	0.000	2.892	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000
85	0.000	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	2130.2	N.A.	38.00
0-30	3892.34	N.A.	69.50
0-40	5055.64	N.A.	90.30
0-60	5596.35	N.A.	99.90
0-80	5599.27	N.A.	100.00
0-90	5599.27	N.A.	100.00
10-90	5001.65	N.A.	89.30
20-40	2925.44	N.A.	52.20
20-50	3381.53	N.A.	60.40
40-70	543.44	N.A.	9.70
60-80	2.92	N.A.	0.10
70-80	0.19	N.A.	0.00
80-90	0.00	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	5599.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	597.62
10-20	1532.59
20-30	1762.13
30-40	1163.3
40-50	456.09
50-60	84.62
60-70	2.73
70-80	0.19
80-90	0.00
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

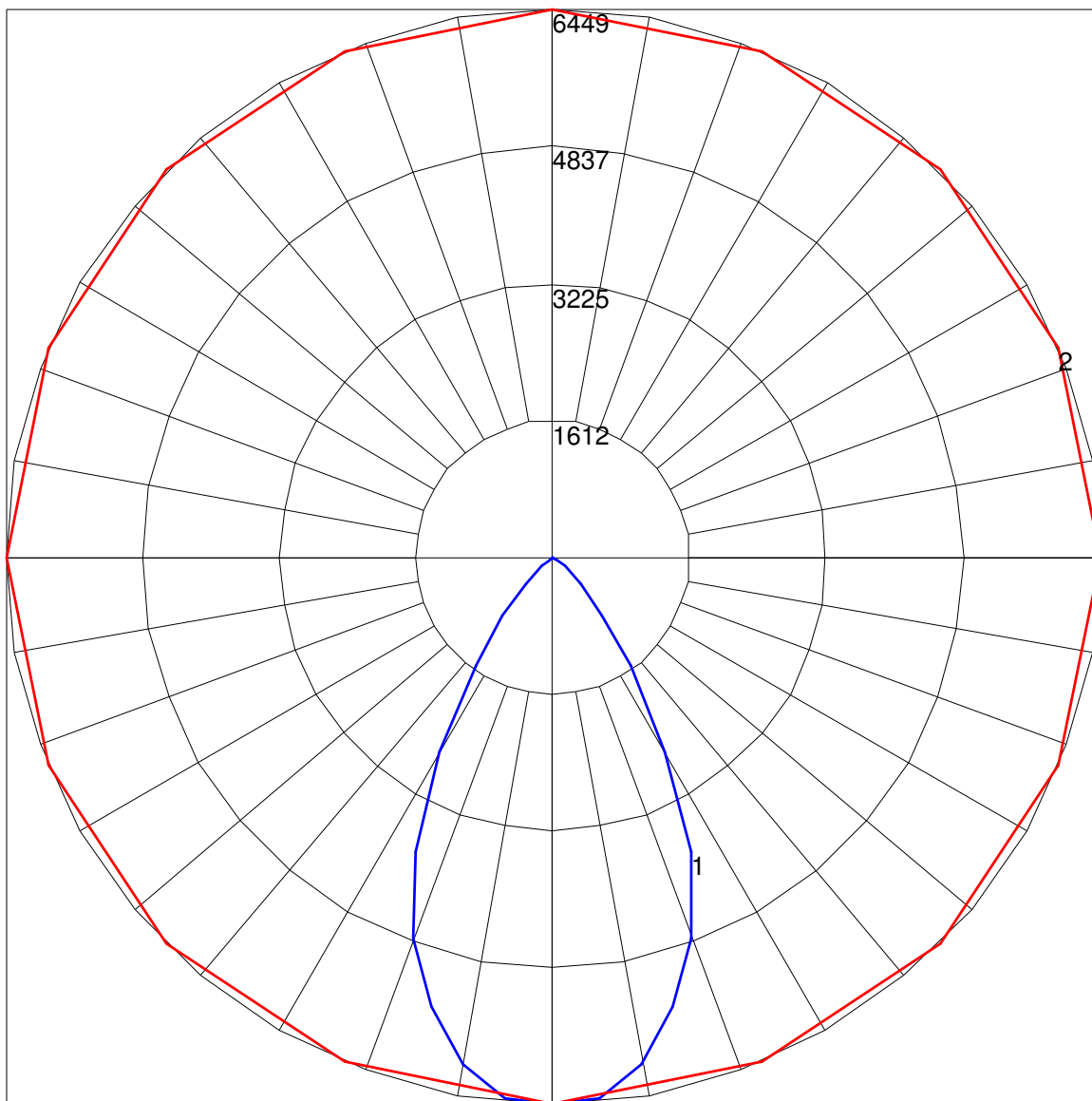
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	344	344	344	344	336	336	336	336	321	321	321	308	308	308	295	295	295	289
1	328	320	313	307	321	314	308	302	302	297	292	292	287	284	282	278	276	270
2	312	298	286	276	306	293	282	273	283	275	267	275	268	261	267	261	256	251
3	296	277	263	251	290	273	260	249	266	255	245	259	249	241	252	244	238	233
4	281	259	243	230	276	256	241	229	249	236	226	243	233	224	238	229	221	217
5	266	242	225	213	262	239	223	212	234	220	210	229	217	208	225	214	206	202
6	253	227	209	197	249	225	208	196	220	206	195	216	203	194	212	201	192	188
7	240	213	196	183	236	211	195	183	207	193	182	204	191	181	201	189	180	176
8	228	201	183	171	225	199	182	171	196	181	170	193	179	169	190	178	169	165
9	217	189	172	160	214	188	171	160	185	170	160	182	169	159	180	168	158	155
10	207	179	162	151	204	178	161	150	175	160	150	173	159	150	171	158	149	145

POLAR GRAPH



Maximum Candela = 6449.26 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.)