



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 4DS-P49-835-DIM-POE-LW-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 20316.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 16-APR-2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] GEN7 V13 LED 4"SHORT HEATSINK 4"SQ CAST HOUSING DOWNLIGHT

[MORE] WHITE MIXING CHAMBER & 4"CAST WHITE FLUSH w/SOLITE LENS

[LUMCAT] 4DS-P49-835-DIM-PoE-LW-OF-WH

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Office, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4919
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	1.04
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	104219	113096	103233
55	77819	79845	77413
65	55558	53908	54458
75	37725	36827	37725
85	13337	10670	16004

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 4DS-P49-835-DIM-POE-LW-OF-WH.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3658.086	3658.086	3658.086	3658.086	3658.086
5	3624.525	3626.923	3624.525	3626.923	3626.923
10	3538.227	3540.624	3552.610	3576.582	3581.376
15	3418.369	3444.737	3468.709	3490.284	3490.284
20	3133.105	3236.183	3300.907	3293.716	3228.992
25	2653.670	2816.678	3003.658	2833.458	2660.862
30	1807.468	2090.335	2493.060	2078.349	1754.731
35	1200.984	1335.225	1826.646	1330.431	1177.012
40	937.295	990.032	1157.835	975.649	910.926
45	759.904	791.067	824.627	776.684	752.712
50	601.690	642.442	635.251	618.471	599.293
55	460.257	472.243	472.243	469.846	457.860
60	338.001	345.193	342.796	342.796	338.001
65	242.114	244.512	234.923	242.114	237.320
70	160.611	170.199	158.213	163.008	160.611
75	100.681	100.681	98.284	98.284	100.681
80	52.738	50.341	50.341	52.738	55.135
85	11.986	11.986	9.589	9.589	14.383
90	0.000	0.000	0.000	2.397	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 4DS-P49-835-DIM-POE-LW-OF-WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1314.2	N.A.	26.70
0-30	2576.93	N.A.	52.40
0-40	3502.7	N.A.	71.20
0-60	4545.9	N.A.	92.40
0-80	4898.73	N.A.	99.60
0-90	4919.03	N.A.	100.00
10-90	4574.98	N.A.	93.00
20-40	2188.49	N.A.	44.50
20-50	2806.79	N.A.	57.10
40-70	1286.93	N.A.	26.20
60-80	352.83	N.A.	7.20
70-80	109.10	N.A.	2.20
80-90	20.30	N.A.	0.40
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	4919.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	344.05
10-20	970.15
20-30	1262.72
30-40	925.77
40-50	618.29
50-60	424.90
60-70	243.73
70-80	109.10
80-90	20.30
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

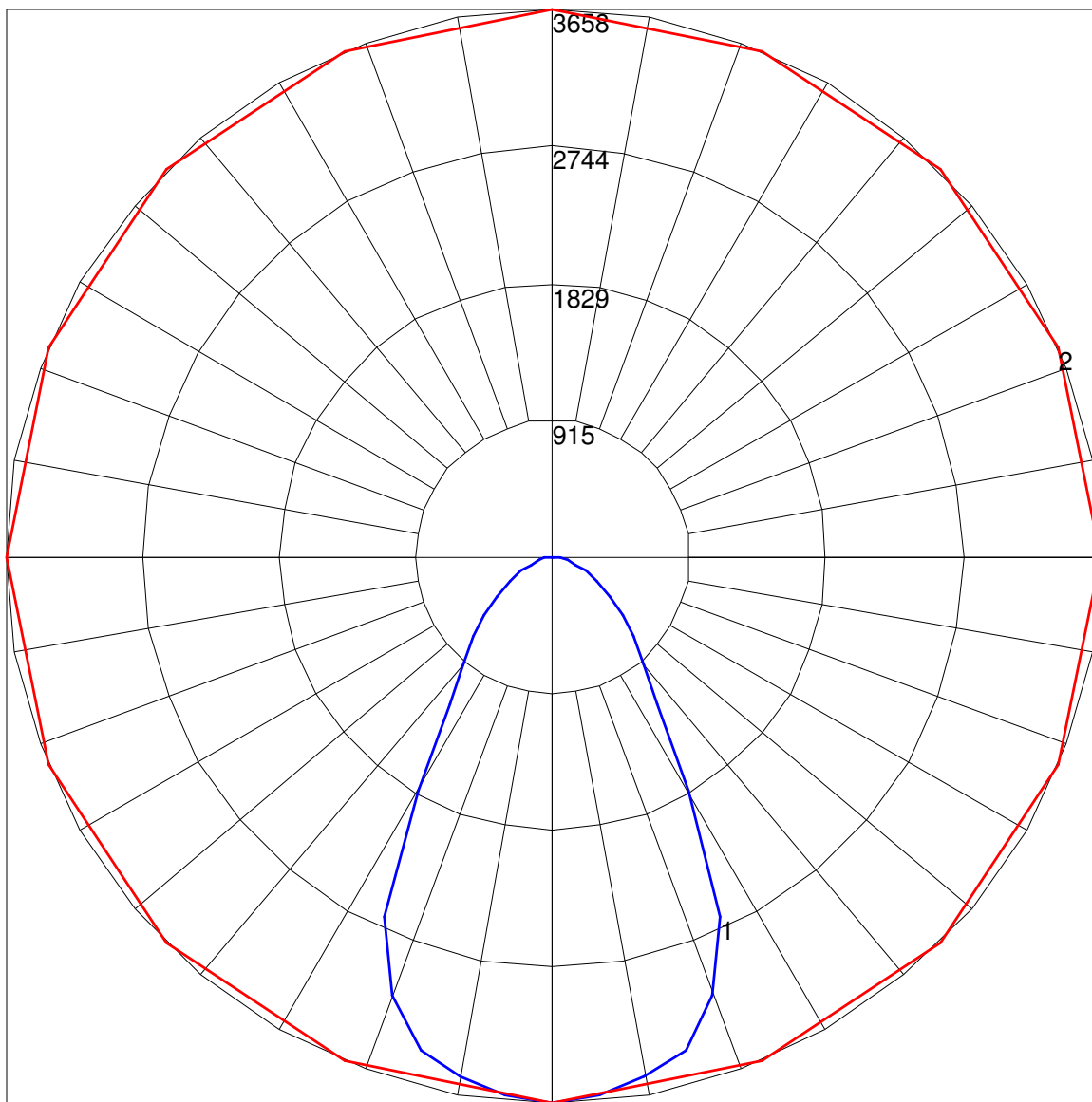
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 4DS-P49-835-DIM-POE-LW-OF-WH.IES

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	262	262	262	262	255	255	255	255	244	244	244	234	234	234	224	224	224	220
1	245	238	231	225	240	233	227	221	224	219	214	215	211	208	208	205	202	197
2	229	216	204	195	224	212	201	193	204	196	188	197	190	184	191	185	180	176
3	214	196	182	171	209	193	180	170	187	176	167	181	172	164	176	168	162	158
4	200	179	164	153	196	177	163	152	172	160	150	167	157	148	163	154	146	142
5	188	165	149	138	184	163	148	137	158	146	136	155	143	134	151	141	133	129
6	176	152	136	125	172	150	135	124	147	133	123	143	132	123	140	130	122	118
7	166	141	125	114	162	140	125	114	137	123	113	134	122	113	131	120	112	108
8	156	131	116	105	153	130	115	105	127	114	104	125	113	104	123	112	103	100
9	148	123	107	97	145	122	107	97	119	106	97	117	105	96	115	104	96	92
10	140	115	100	90	137	114	100	90	112	99	90	110	98	90	108	97	89	86

POLAR GRAPH



Maximum Candela = 3658.086 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.)