



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 4DS-P22-835-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-P22-835-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	2239
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	25
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	47438	51478	46989
55	35421	36344	35237
65	25289	24537	24788
75	17172	16762	17172
85	6071	4857	7285

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 4DS-P22-835-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	1665.066	1665.066	1665.066	1665.066	1665.066
5	1649.790	1650.881	1649.790	1650.881	1650.881
10	1610.509	1611.600	1617.056	1627.967	1630.150
15	1555.953	1567.955	1578.867	1588.687	1588.687
20	1426.108	1473.027	1502.487	1499.214	1469.753
25	1207.882	1282.079	1367.187	1289.717	1211.155
30	822.713	951.466	1134.776	946.011	798.708
35	546.657	607.760	831.442	605.578	535.745
40	426.632	450.637	527.016	444.090	414.630
45	345.889	360.073	375.349	353.526	342.615
50	273.874	292.423	289.150	281.512	272.783
55	209.497	214.953	214.953	213.862	208.406
60	153.849	157.123	156.032	156.032	153.849
65	110.204	111.295	106.931	110.204	108.022
70	73.106	77.470	72.015	74.197	73.106
75	45.828	45.828	44.736	44.736	45.828
80	24.005	22.914	22.914	24.005	25.096
85	5.456	5.456	4.365	4.365	6.547
90	0.000	0.000	0.000	1.091	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 4DS-P22-835-DIM-POE-LW-OF-WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	598.19	N.A.	26.70
0-30	1172.95	N.A.	52.40
0-40	1594.34	N.A.	71.20
0-60	2069.17	N.A.	92.40
0-80	2229.77	N.A.	99.60
0-90	2239.01	N.A.	100.00
10-90	2082.41	N.A.	93.00
20-40	996.15	N.A.	44.50
20-50	1277.58	N.A.	57.10
40-70	585.78	N.A.	26.20
60-80	160.60	N.A.	7.20
70-80	49.66	N.A.	2.20
80-90	9.24	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	2239.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.60
10-20	441.59
20-30	574.76
30-40	421.39
40-50	281.43
50-60	193.41
60-70	110.94
70-80	49.66
80-90	9.24
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

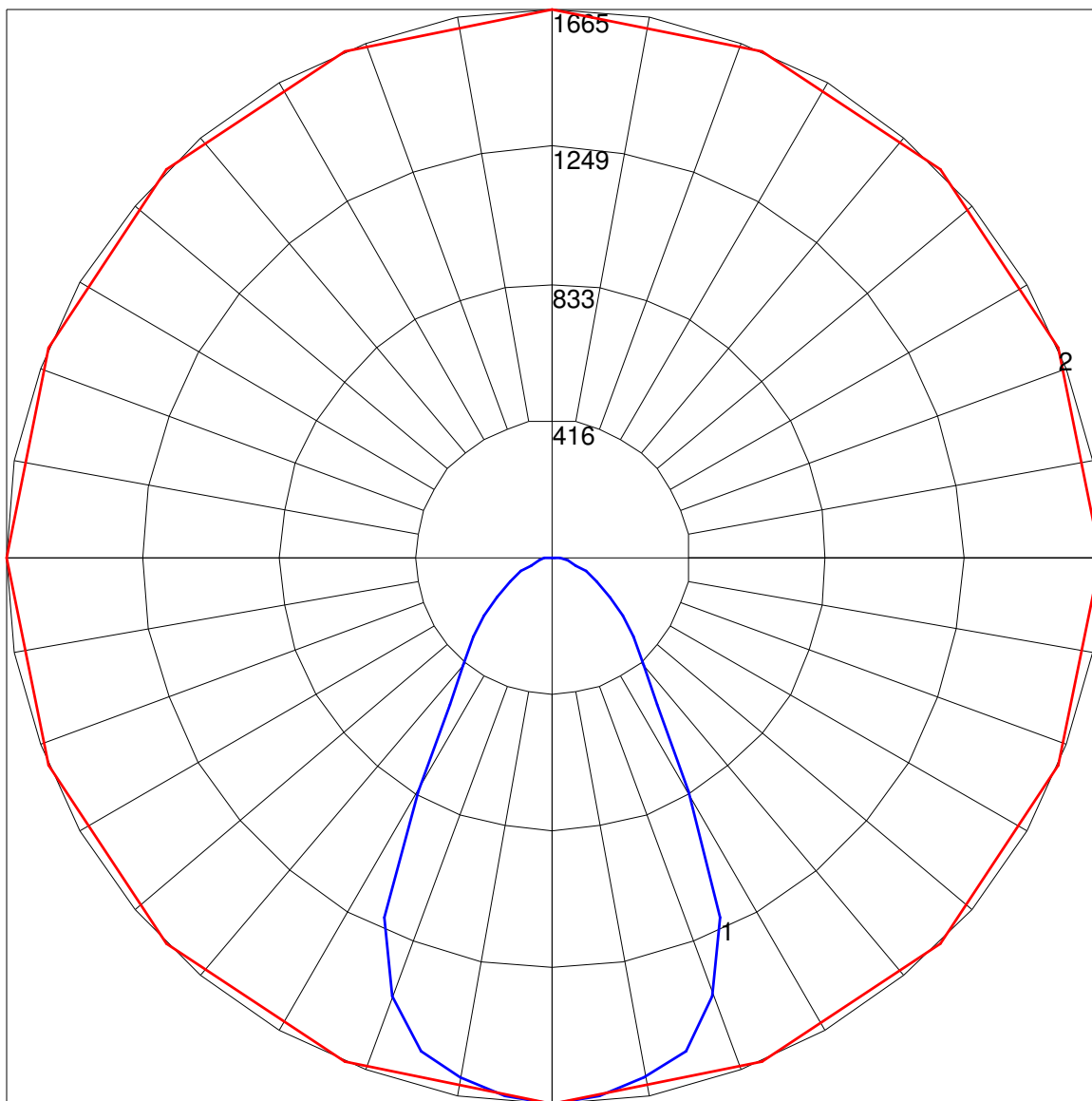
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 4DS-P22-835-DIM-POE-LW-OF-WH.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

POLAR GRAPH



Maximum Candela = 1665.066 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.)