



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L70-835-DIM-LW-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20372.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 30-APR-2018

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] GEN7 V18 LED 6" TALL HEATSINK 6" SQ FORMED HOUSING DOWNLIGHT

[MORE] NO OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM

[MORE] w/SOLITE LENS

[LUMCAT] 6PS-L70-835-DIM-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	7214
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	78.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
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	103023	130093	102049
55	48018	75268	46217
65	31281	37798	31444
75	22347	23943	22613
85	13430	11851	13430

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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	3569.561	3569.561	3569.561	3569.561	3569.561
5	3569.561	3558.356	3550.353	3540.748	3539.148
10	3523.141	3505.533	3503.932	3492.727	3492.727
15	3441.505	3428.699	3415.894	3420.696	3425.498
20	3326.255	3310.248	3311.848	3321.453	3329.456
25	3199.799	3193.397	3167.785	3186.994	3193.397
30	3063.740	3038.129	3012.517	3028.524	3049.334
35	2839.642	2826.836	2836.440	2830.038	2770.812
40	2359.432	2425.061	2577.127	2447.470	2346.626
45	1693.541	1840.805	2138.535	1901.632	1677.534
50	995.635	1150.903	1578.290	1285.362	986.031
55	640.280	701.107	1003.639	739.523	616.270
60	427.387	469.005	582.655	485.012	430.588
65	307.334	323.341	371.362	331.345	308.935
70	216.095	220.897	236.904	225.699	212.893
75	134.459	136.060	144.063	144.063	136.060
80	73.632	73.632	76.834	75.233	73.632
85	27.212	24.011	24.011	22.410	27.212
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1304.05	N.A.	18.10
0-30	2773.36	N.A.	38.40
0-40	4516.22	N.A.	62.60
0-60	6685.56	N.A.	92.70
0-80	7180.1	N.A.	99.50
0-90	7213.75	N.A.	100.00
10-90	6876.3	N.A.	95.30
20-40	3212.18	N.A.	44.50
20-50	4651.27	N.A.	64.50
40-70	2511.19	N.A.	34.80
60-80	494.53	N.A.	6.90
70-80	152.68	N.A.	2.10
80-90	33.65	N.A.	0.50
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	7213.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	337.45
10-20	966.60
20-30	1469.32
30-40	1742.86
40-50	1439.1
50-60	730.24
60-70	341.85
70-80	152.68
80-90	33.65
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

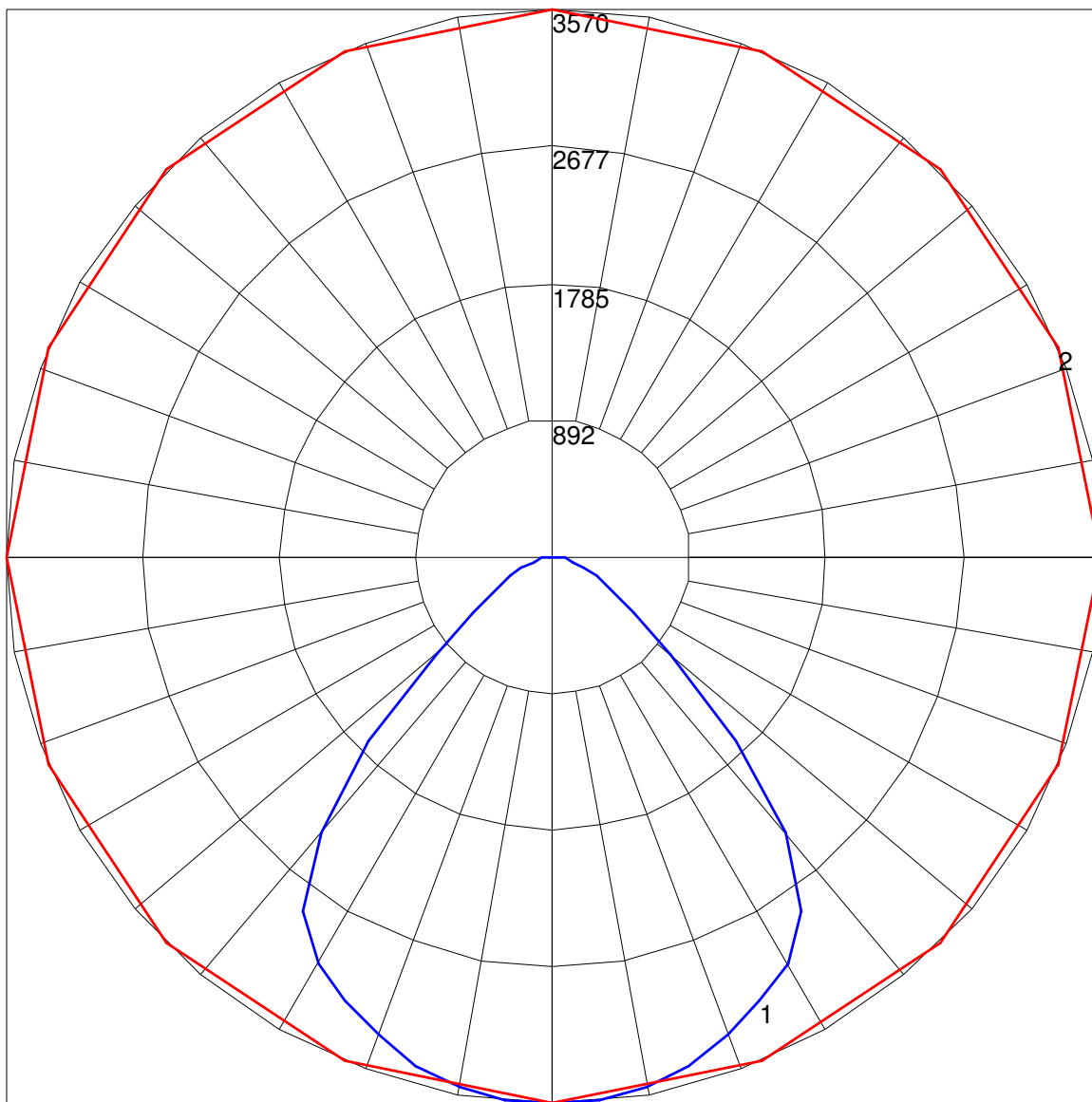
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	191	191	191	191	186	186	186	186	178	178	178	170	170	170	163	163	163	160
1	178	172	167	162	174	168	164	159	162	158	154	156	153	150	150	148	145	142
2	165	155	146	138	161	152	144	137	146	139	134	141	136	131	137	132	128	125
3	153	139	128	120	149	137	127	119	132	124	117	128	121	115	124	118	113	110
4	142	126	114	105	139	124	113	104	120	110	103	116	108	101	113	106	100	97
5	132	114	102	93	129	112	101	92	109	99	91	106	97	90	103	96	89	86
6	123	104	91	82	120	103	91	82	100	89	81	97	88	81	95	87	80	77
7	114	95	83	74	112	94	82	74	92	81	73	90	80	73	87	79	72	70
8	107	88	75	67	105	87	75	67	85	74	66	83	73	66	81	72	66	63
9	100	81	69	61	98	80	68	61	78	68	60	77	67	60	75	66	60	57
10	94	75	63	56	92	74	63	55	73	62	55	71	62	55	70	61	55	52

POLAR GRAPH



Maximum Candela = 3569.561 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.)