



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L60-835-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-L60-835-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	6174
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	68.2
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	88168	111335	87335
55	41094	64415	39553
65	26771	32348	26910
75	19125	20491	19352
85	11494	10141	11494

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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>
<b>0</b>	3054.877	3054.877	3054.877	3054.877	3054.877
<b>5</b>	3054.877	3045.288	3038.438	3030.219	3028.849
<b>10</b>	3015.150	3000.081	2998.711	2989.122	2989.122
<b>15</b>	2945.285	2934.326	2923.367	2927.476	2931.586
<b>20</b>	2846.652	2832.953	2834.323	2842.542	2849.392
<b>25</b>	2738.430	2732.950	2711.032	2727.471	2732.950
<b>30</b>	2621.989	2600.070	2578.152	2591.851	2609.659
<b>35</b>	2430.203	2419.243	2427.463	2421.983	2371.297
<b>40</b>	2019.233	2075.398	2205.539	2094.577	2008.273
<b>45</b>	1449.354	1575.385	1830.186	1627.441	1435.655
<b>50</b>	852.078	984.958	1350.721	1100.030	843.858
<b>55</b>	547.960	600.016	858.927	632.894	527.411
<b>60</b>	365.763	401.381	498.644	415.080	368.503
<b>65</b>	263.021	276.720	317.817	283.569	264.391
<b>70</b>	184.936	189.046	202.745	193.156	182.197
<b>75</b>	115.072	116.441	123.291	123.291	116.441
<b>80</b>	63.015	63.015	65.755	64.385	63.015
<b>85</b>	23.288	20.548	20.548	19.179	23.288
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1116.02	N.A.	18.10
0-30	2373.48	N.A.	38.40
0-40	3865.04	N.A.	62.60
0-60	5721.59	N.A.	92.70
0-80	6144.82	N.A.	99.50
0-90	6173.62	N.A.	100.00
10-90	5884.83	N.A.	95.30
20-40	2749.02	N.A.	44.50
20-50	3980.62	N.A.	64.50
40-70	2149.11	N.A.	34.80
60-80	423.23	N.A.	6.90
70-80	130.67	N.A.	2.10
80-90	28.80	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	6173.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	288.79
10-20	827.23
20-30	1257.46
30-40	1491.56
40-50	1231.6
50-60	624.95
60-70	292.56
70-80	130.67
80-90	28.80
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

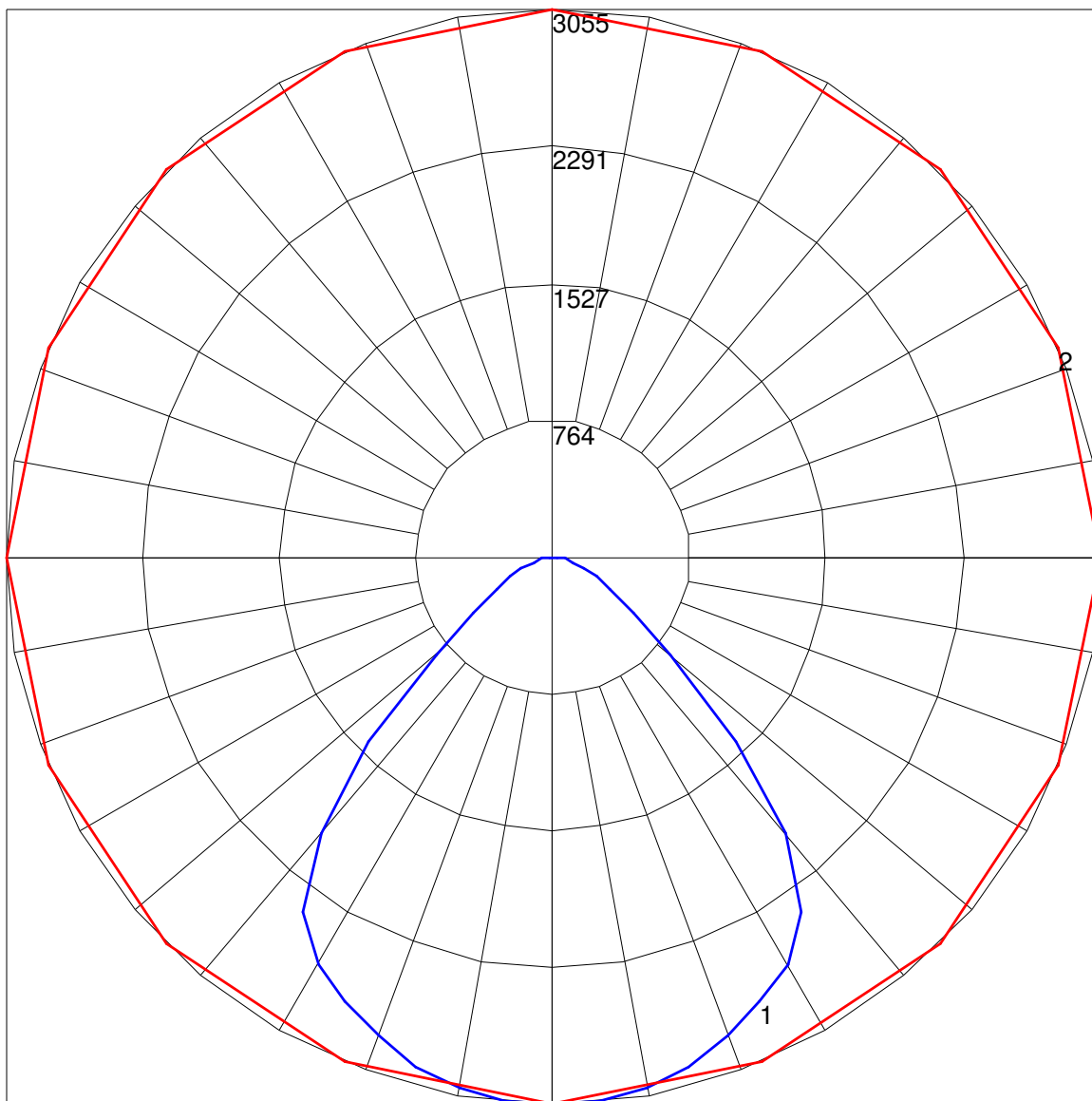
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	163	163	163	163	159	159	159	159	152	152	152	146	146	146	140	140	140	137
1	152	147	143	139	149	144	140	136	139	135	132	133	131	128	128	126	124	122
2	141	132	125	118	138	130	123	117	125	119	114	121	116	112	117	113	109	107
3	131	119	110	102	128	117	108	102	113	106	100	110	103	98	106	101	97	94
4	122	108	97	90	119	106	96	89	103	94	88	100	93	87	97	91	86	83
5	113	98	87	79	110	96	86	79	93	85	78	91	83	77	89	82	76	74
6	105	89	78	71	103	88	78	70	85	76	70	83	75	69	81	74	69	66
7	98	82	71	63	96	80	70	63	78	69	63	77	68	62	75	68	62	59
8	92	75	64	57	90	74	64	57	72	63	57	71	62	56	69	62	56	54
9	86	69	59	52	84	68	59	52	67	58	52	66	57	51	64	57	51	49
10	81	64	54	48	79	63	54	47	62	53	47	61	53	47	60	52	47	45

POLAR GRAPH



Maximum Candela = 3054.877 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.)