



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L15-840-DIM-LM-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20374.0

[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] ACRYLIC MED TIR OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM

[MORE] w/SOLITE LENS

[LUMCAT] 6PS-L15-840-DIM-LM-OF-WH

[LAMPCAT] BXRE-35E4000

[_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	1485
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	17.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.83 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1958	1662	2077
55	964	830	964
65	472	397	472
75	200	153	200
85	26	25	26

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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	3051.979	3051.979	3051.979	3051.979	3051.979
5	2990.842	2971.737	2970.694	2962.358	2951.242
10	2689.326	2682.379	2679.252	2688.979	2682.031
15	2097.758	2102.621	2115.821	2120.684	2128.326
20	1323.474	1325.905	1333.895	1348.484	1313.747
25	684.663	703.074	717.663	718.010	715.926
30	358.484	356.747	367.168	377.937	393.221
35	204.600	211.200	215.716	220.926	216.411
40	125.747	128.526	133.042	136.168	134.432
45	85.800	87.884	91.705	92.053	91.011
50	62.526	62.526	67.389	64.611	62.526
55	43.421	43.421	48.284	46.200	43.421
60	29.179	29.874	34.042	31.958	29.874
65	21.189	21.189	23.621	21.884	21.189
70	13.547	13.895	15.284	14.589	14.242
75	8.684	8.684	9.032	8.684	8.684
80	4.863	4.863	5.905	4.863	4.863
85	1.042	1.042	1.389	0.347	1.042
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	842.66	N.A.	56.80
0-30	1193.35	N.A.	80.40
0-40	1337.17	N.A.	90.10
0-60	1450.99	N.A.	97.70
0-80	1482.95	N.A.	99.90
0-90	1484.86	N.A.	100.00
10-90	1210.66	N.A.	81.50
20-40	494.50	N.A.	33.30
20-50	566.78	N.A.	38.20
40-70	136.00	N.A.	9.20
60-80	31.95	N.A.	2.20
70-80	9.78	N.A.	0.70
80-90	1.91	N.A.	0.10
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	1484.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	274.21
10-20	568.46
20-30	350.69
30-40	143.82
40-50	72.27
50-60	41.55
60-70	22.18
70-80	9.78
80-90	1.91
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

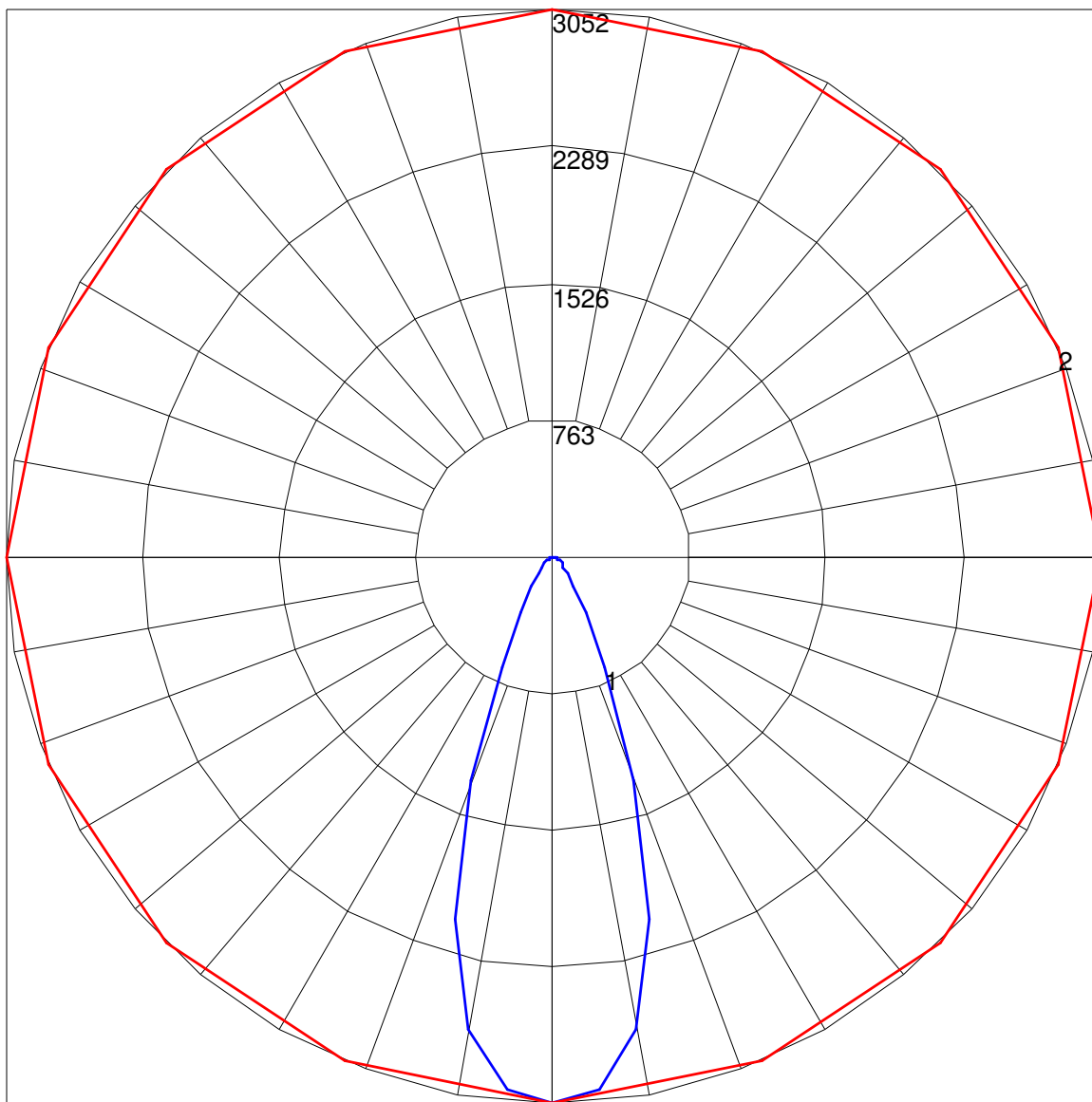
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	41	41	41	41	40	40	40	40	39	39	39	37	37	37	35	35	35	35
1	40	39	38	37	39	38	37	36	36	36	35	35	35	34	34	34	33	33
2	38	36	35	34	37	36	34	33	34	33	33	33	33	32	32	32	31	31
3	36	34	32	31	35	33	32	31	33	31	30	32	31	30	31	30	29	29
4	34	32	30	29	34	32	30	29	31	29	28	30	29	28	30	29	28	27
5	33	30	28	27	32	30	28	27	29	28	27	29	27	26	28	27	26	26
6	32	29	27	25	31	28	27	25	28	26	25	27	26	25	27	26	25	24
7	30	27	25	24	30	27	25	24	27	25	24	26	25	24	26	25	24	23
8	29	26	24	23	29	26	24	23	26	24	23	25	24	23	25	24	23	22
9	28	25	23	22	28	25	23	22	24	23	22	24	23	22	24	23	22	21
10	27	24	22	21	27	24	22	21	23	22	21	23	22	21	23	22	21	20

POLAR GRAPH



Maximum Candela = 3051.979 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.)