



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L21-9DW-DIM-UNV-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

[ISSUE DATE] 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 ADVANCE # XI050C140V054DSM5 @ 1125mA

[LUMCAT] 6PS-L21-9DW-DIM-UNV-LW-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	2141
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	37.7
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	30572	38605	30283
55	14249	22335	13715
65	9283	11216	9331
75	6631	7105	6710
85	3985	3517	3985

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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	1059.250	1059.250	1059.250	1059.250	1059.250
5	1059.250	1055.925	1053.550	1050.700	1050.225
10	1045.475	1040.250	1039.775	1036.450	1036.450
15	1021.250	1017.450	1013.650	1015.075	1016.500
20	987.050	982.300	982.775	985.625	988.000
25	949.525	947.625	940.025	945.725	947.625
30	909.150	901.550	893.950	898.700	904.875
35	842.650	838.850	841.700	839.800	822.225
40	700.150	719.625	764.750	726.275	696.350
45	502.550	546.250	634.600	564.300	497.800
50	295.450	341.525	468.350	381.425	292.600
55	190.000	208.050	297.825	219.450	182.875
60	126.825	139.175	172.900	143.925	127.775
65	91.200	95.950	110.200	98.325	91.675
70	64.125	65.550	70.300	66.975	63.175
75	39.900	40.375	42.750	42.750	40.375
80	21.850	21.850	22.800	22.325	21.850
85	8.075	7.125	7.125	6.650	8.075
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	386.97	N.A.	18.10
0-30	822.98	N.A.	38.40
0-40	1340.17	N.A.	62.60
0-60	1983.91	N.A.	92.70
0-80	2130.66	N.A.	99.50
0-90	2140.64	N.A.	100.00
10-90	2040.51	N.A.	95.30
20-40	953.20	N.A.	44.50
20-50	1380.24	N.A.	64.50
40-70	745.18	N.A.	34.80
60-80	146.75	N.A.	6.90
70-80	45.31	N.A.	2.10
80-90	9.99	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	2140.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.14
10-20	286.83
20-30	436.01
30-40	517.19
40-50	427.04
50-60	216.70
60-70	101.44
70-80	45.31
80-90	9.99
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

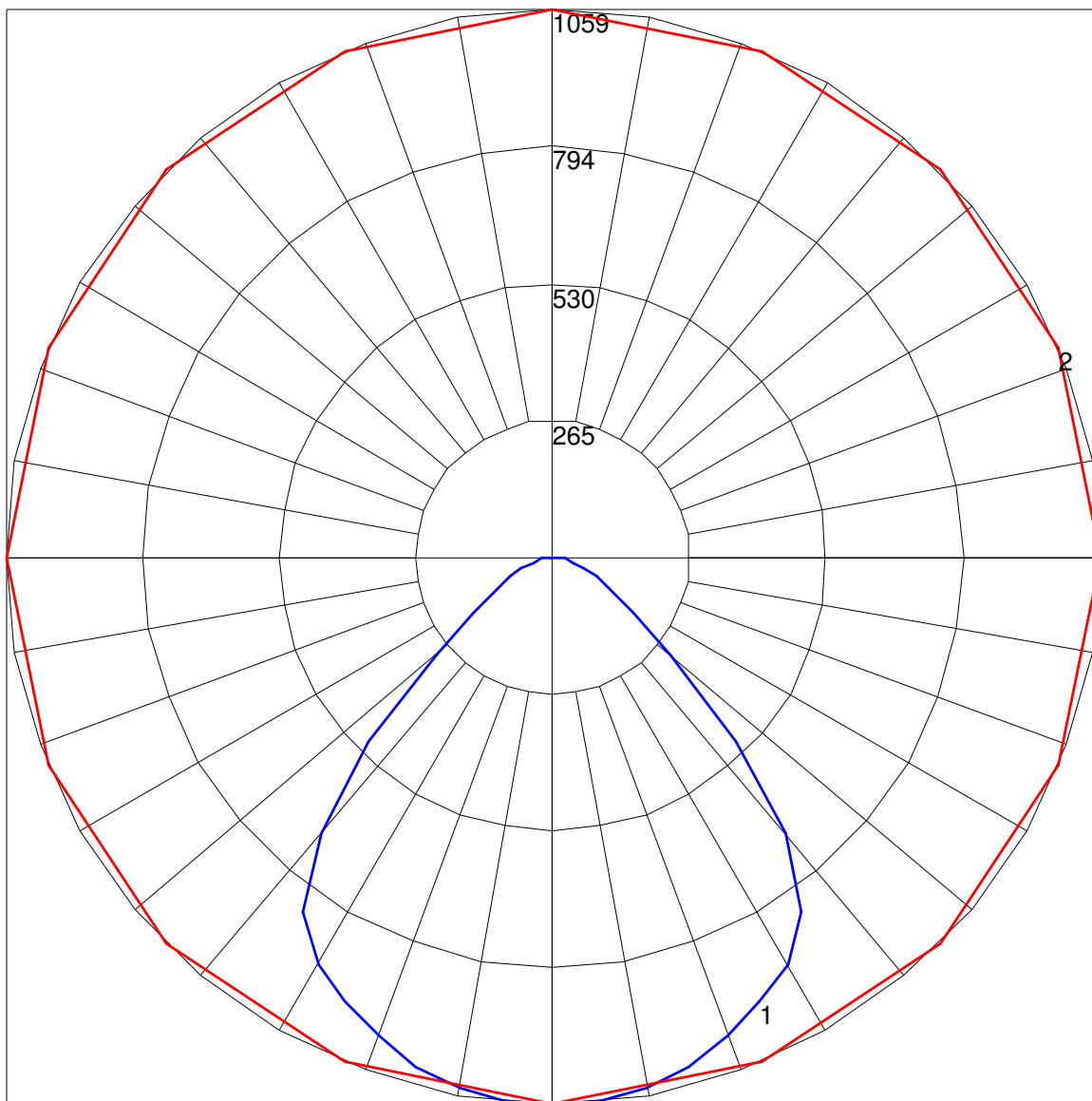
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	57	57	57	57	55	55	55	55	53	53	53	51	51	51	48	48	48	47
1	53	51	49	48	52	50	49	47	48	47	46	46	45	44	45	44	43	42
2	49	46	43	41	48	45	43	41	43	41	40	42	40	39	41	39	38	37
3	45	41	38	36	44	41	38	35	39	37	35	38	36	34	37	35	34	33
4	42	37	34	31	41	37	33	31	36	33	30	35	32	30	34	31	30	29
5	39	34	30	27	38	33	30	27	32	29	27	32	29	27	31	28	27	26
6	36	31	27	24	36	30	27	24	30	27	24	29	26	24	28	26	24	23
7	34	28	25	22	33	28	24	22	27	24	22	27	24	22	26	23	21	21
8	32	26	22	20	31	26	22	20	25	22	20	25	22	20	24	21	19	19
9	30	24	20	18	29	24	20	18	23	20	18	23	20	18	22	20	18	17
10	28	22	19	16	27	22	19	16	22	18	16	21	18	16	21	18	16	16

POLAR GRAPH



Maximum Candela = 1059.25 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.)