



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L20-9DW-DIM-UNV-LN-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20375.0

[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 NARROW TIR OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM

[MORE] w/SOLITE LENS ADVANCE # XI050C140V054DSM5 @ 1125mA

[LUMCAT] 6PS-L21-9DW-DIM-UNV-LN-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	1948
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	37.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.56
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	7022	7657	7571
55	5379	6127	5557
65	4013	4496	4158
75	2447	2763	2447
85	469	703	703

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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	4728.150	4728.150	4728.150	4728.150	4728.150
5	4496.350	4467.375	4461.200	4485.900	4458.350
10	3745.850	3733.500	3743.475	3751.075	3725.425
15	2628.175	2573.075	2652.400	2630.075	2636.250
20	1517.625	1539.475	1586.500	1605.025	1554.200
25	819.850	860.700	875.425	861.175	860.700
30	449.350	447.925	447.925	469.775	452.200
35	243.675	246.525	256.500	264.100	261.250
40	155.800	153.900	162.450	165.300	158.650
45	115.425	118.750	125.875	122.550	124.450
50	91.200	94.050	102.600	97.850	96.425
55	71.725	74.100	81.700	77.425	74.100
60	55.575	57.475	63.175	59.375	57.475
65	39.425	40.375	44.175	43.700	40.850
70	25.175	26.125	28.500	27.550	26.600
75	14.725	15.675	16.625	15.675	14.725
80	6.650	6.175	6.650	6.650	6.175
85	0.950	1.425	1.425	1.425	1.425
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1126.48	N.A.	57.80
0-30	1547.16	N.A.	79.40
0-40	1720.74	N.A.	88.30
0-60	1886.19	N.A.	96.80
0-80	1945.39	N.A.	99.90
0-90	1947.89	N.A.	100.00
10-90	1544.06	N.A.	79.30
20-40	594.26	N.A.	30.50
20-50	690.60	N.A.	35.50
40-70	207.56	N.A.	10.70
60-80	59.19	N.A.	3.00
70-80	17.08	N.A.	0.90
80-90	2.50	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	1947.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	403.83
10-20	722.65
20-30	420.68
30-40	173.58
40-50	96.34
50-60	69.11
60-70	42.11
70-80	17.08
80-90	2.50
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

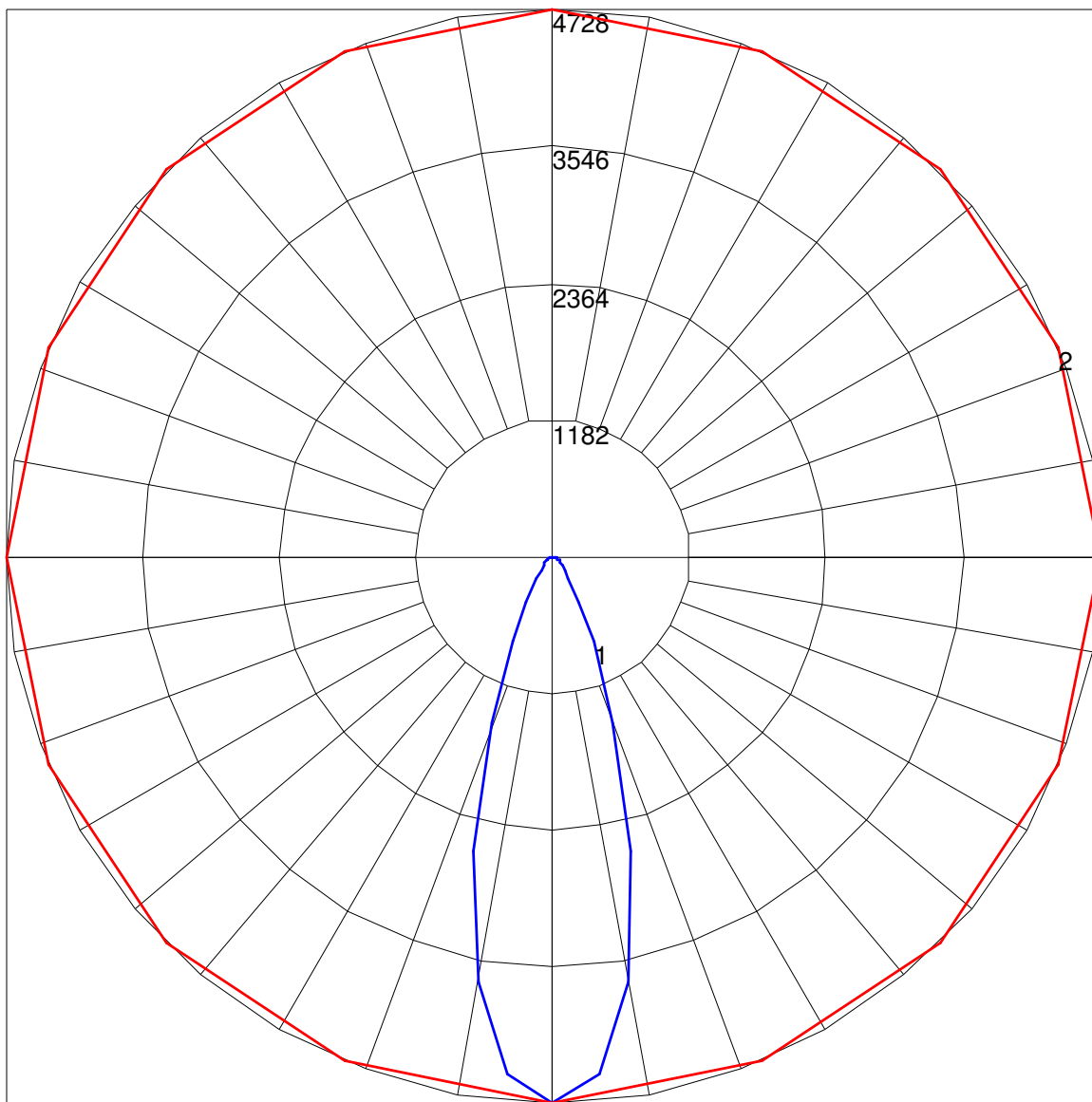
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	61	77	69	64	60	68	63	60	67	63	60	67	63	60	59

POLAR GRAPH



Maximum Candela = 4728.15 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.)