



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L30-840-EM10W-DIM-UNV-LW-OF-WH-AD_(EMER MODE).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] 01-05-2023

[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-L30-840-EM10W-DIM-UNV-LW-OF-WH-AD

[_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	1150
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	10
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	16422	20737	16267
55	7654	11998	7367
65	4986	6025	5012
75	3562	3817	3605
85	2141	1889	2141

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	569.004	569.004	569.004	569.004	569.004
5	569.004	567.218	565.942	564.411	564.156
10	561.604	558.797	558.542	556.756	556.756
15	548.591	546.550	544.508	545.274	546.039
20	530.220	527.668	527.923	529.454	530.730
25	510.062	509.041	504.959	508.021	509.041
30	488.374	484.291	480.208	482.760	486.077
35	452.651	450.610	452.141	451.120	441.680
40	376.104	386.565	410.805	390.138	374.063
45	269.958	293.432	340.892	303.128	267.406
50	158.709	183.459	251.586	204.892	157.178
55	102.063	111.759	159.984	117.883	98.236
60	68.127	74.761	92.878	77.313	68.638
65	48.990	51.542	59.197	52.818	49.246
70	34.446	35.212	37.763	35.977	33.936
75	21.433	21.688	22.964	22.964	21.688
80	11.737	11.737	12.248	11.992	11.737
85	4.338	3.827	3.827	3.572	4.338
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	207.87	N.A.	18.10
0-30	442.09	N.A.	38.40
0-40	719.91	N.A.	62.60
0-60	1065.71	N.A.	92.70
0-80	1144.54	N.A.	99.50
0-90	1149.9	N.A.	100.00
10-90	1096.11	N.A.	95.30
20-40	512.03	N.A.	44.50
20-50	741.43	N.A.	64.50
40-70	400.29	N.A.	34.80
60-80	78.83	N.A.	6.90
70-80	24.34	N.A.	2.10
80-90	5.36	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	1149.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.79
10-20	154.08
20-30	234.22
30-40	277.82
40-50	229.40
50-60	116.40
60-70	54.49
70-80	24.34
80-90	5.36
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	93	85	79	74	83	77	73	80	75	72	78	74	71	69
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	39	35	45	39	35	44	39	34	44	38	34	33

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UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	16.8	18.2	17.2	18.5	18.9	17.1	18.5	17.4	18.8	19.1
	3H	17.8	19.0	18.2	19.3	19.7	18.0	19.2	18.3	19.5	19.9
	4H	18.1	19.2	18.5	19.6	20.0	18.3	19.4	18.7	19.8	20.1
	6H	18.3	19.3	18.7	19.7	20.1	18.4	19.5	18.8	19.9	20.3
	8H	18.3	19.3	18.7	19.7	20.1	18.5	19.5	18.9	19.9	20.3
	12H	18.3	19.3	18.7	19.7	20.1	18.5	19.4	18.9	19.8	20.3

UGR Viewed Endwise

4H	2H	17.3	18.5	17.7	18.8	19.2	17.5	18.6	17.9	19.0	19.4
	3H	18.4	19.3	18.8	19.7	20.2	18.6	19.5	19.0	19.9	20.3
	4H	18.8	19.6	19.2	20.0	20.5	19.0	19.8	19.4	20.2	20.6
	6H	19.0	19.8	19.5	20.2	20.7	19.2	19.9	19.7	20.4	20.8
	8H	19.1	19.8	19.6	20.2	20.7	19.3	19.9	19.7	20.4	20.9
	12H	19.1	19.7	19.6	20.2	20.7	19.3	19.9	19.8	20.4	20.8

8H	4H	18.9	19.6	19.4	20.0	20.5	19.1	19.7	19.5	20.2	20.7
	6H	19.2	19.8	19.7	20.3	20.8	19.4	19.9	19.9	20.4	20.9
	8H	19.3	19.8	19.8	20.3	20.8	19.5	20.0	20.0	20.5	21.0
	12H	19.4	19.8	19.9	20.3	20.9	19.5	20.0	20.0	20.5	21.0

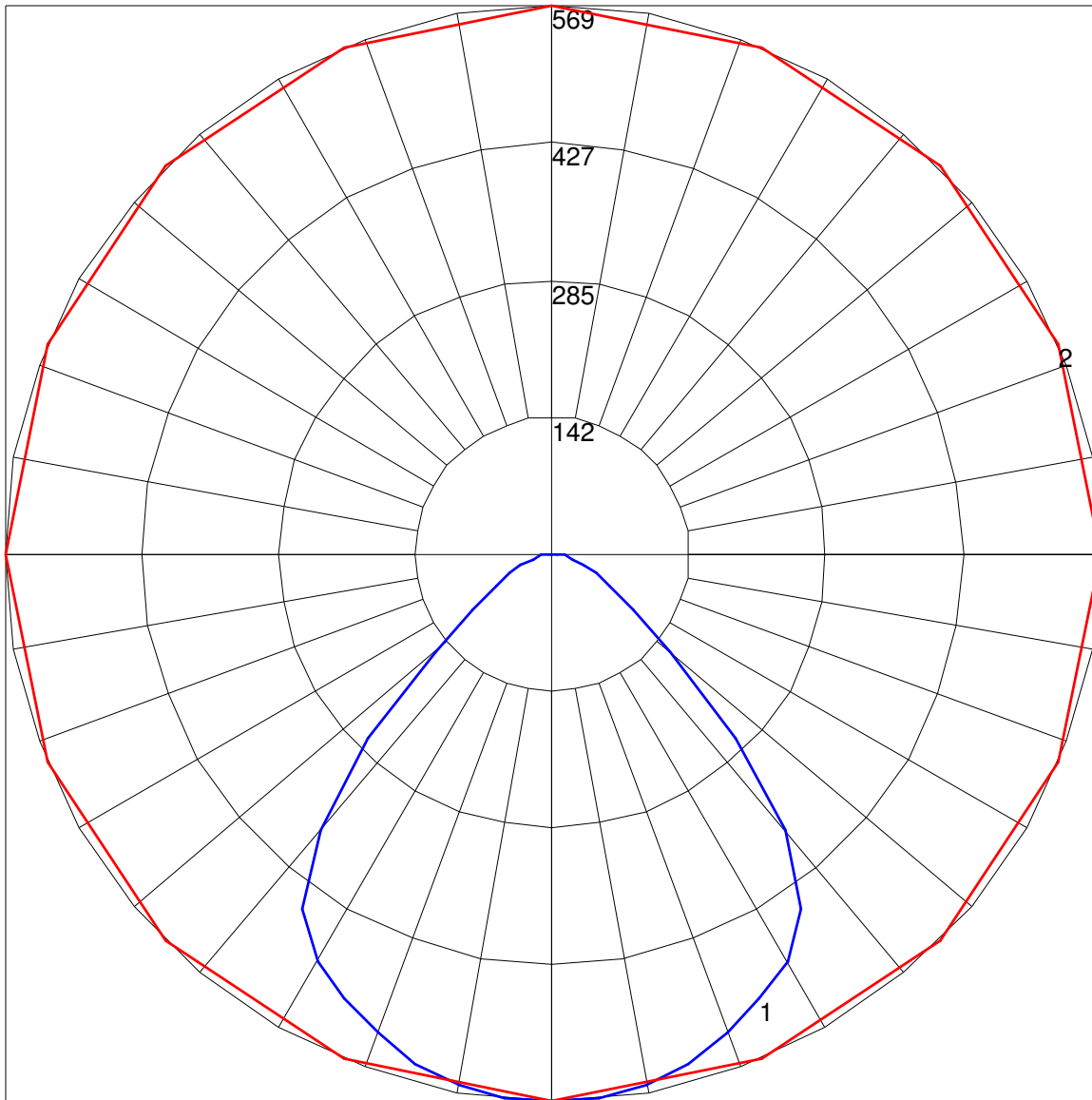
12H	4H	18.9	19.5	19.4	20.0	20.4	19.0	19.6	19.5	20.1	20.6
	6H	19.2	19.7	19.8	20.2	20.7	19.4	19.9	19.9	20.4	20.9
	8H	19.4	19.8	19.9	20.3	20.9	19.5	19.9	20.0	20.4	21.0

Maximum UGR = 21.0

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POLAR GRAPH



Maximum Candela = 569.004 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.)