



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 VL UV FA 950.IES

### DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 4 VL UV FA 950

[LUMINAIRE] Surface or pendant mounted, formed white painted steel housing,  
[MORE] formed white painted steel reflector, frosted plastic enclosure with interior

[MORE] linear prisms

[LAMPCAT] Two CL116-5000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 560mA

[OTHER] 120.0Vac, 60.00Hz

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4430
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	27.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.44 ft
Luminous Height	0.12 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6846	6409	6588
55	6118	5762	6108
65	5263	5054	5613
75	4111	4282	5101
85	2052	3522	4685

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	506.18	N.A.	11.40
0-30	1068.34	N.A.	24.10
0-40	1736.79	N.A.	39.20
0-60	3042.61	N.A.	68.70
0-80	3870.95	N.A.	87.40
0-90	4050.73	N.A.	91.40
10-90	3919.26	N.A.	88.50
20-40	1230.61	N.A.	27.80
20-50	1915.75	N.A.	43.20
40-70	1800.23	N.A.	40.60
60-80	828.34	N.A.	18.70
70-80	333.93	N.A.	7.50
80-90	179.78	N.A.	4.10
90-110	180.95	N.A.	4.10
90-120	245.40	N.A.	5.50
90-130	296.39	N.A.	6.70
90-150	358.31	N.A.	8.10
90-180	379.76	N.A.	8.60
110-180	198.81	N.A.	4.50
0-180	4430.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	131.47
10-20	374.71
20-30	562.15
30-40	668.46
40-50	685.15
50-60	620.68
60-70	494.40
70-80	333.94
80-90	179.78
90-100	101.23
100-110	79.71
110-120	64.45
120-130	51.00
130-140	37.49
140-150	24.42
150-160	13.61
160-170	6.20
170-180	1.64

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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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	106	101	96	92	102	97	93	89	92	88	85	86	83	81	81	79	77	74
2	96	87	80	74	92	85	78	73	80	74	70	75	71	67	71	67	64	61
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	62	58	54	51
4	80	68	59	52	77	66	57	51	62	55	49	59	53	48	56	50	46	44
5	73	60	51	44	71	59	50	44	56	48	43	53	46	41	50	45	40	38
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	45	40	35	33
7	63	49	40	34	60	48	40	34	46	38	33	43	37	32	41	36	31	29
8	58	45	36	30	56	44	36	30	42	35	29	40	33	29	38	32	28	26
9	55	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23
10	51	38	30	25	49	37	30	25	36	29	24	34	28	23	33	27	23	21

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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	16.3	17.8	16.8	18.3	18.8	18.6	20.0	19.1	20.5	21.1
	3H	17.7	19.0	18.2	19.5	20.1	20.9	22.2	21.4	22.7	23.3
	4H	18.1	19.4	18.7	19.9	20.5	21.9	23.2	22.4	23.7	24.3
	6H	18.4	19.6	19.0	20.1	20.7	23.0	24.1	23.5	24.7	25.3
	8H	18.5	19.6	19.0	20.1	20.7	23.5	24.6	24.0	25.1	25.7
	12H	18.5	19.5	19.0	20.1	20.7	24.0	25.1	24.6	25.6	26.3

UGR Viewed Endwise

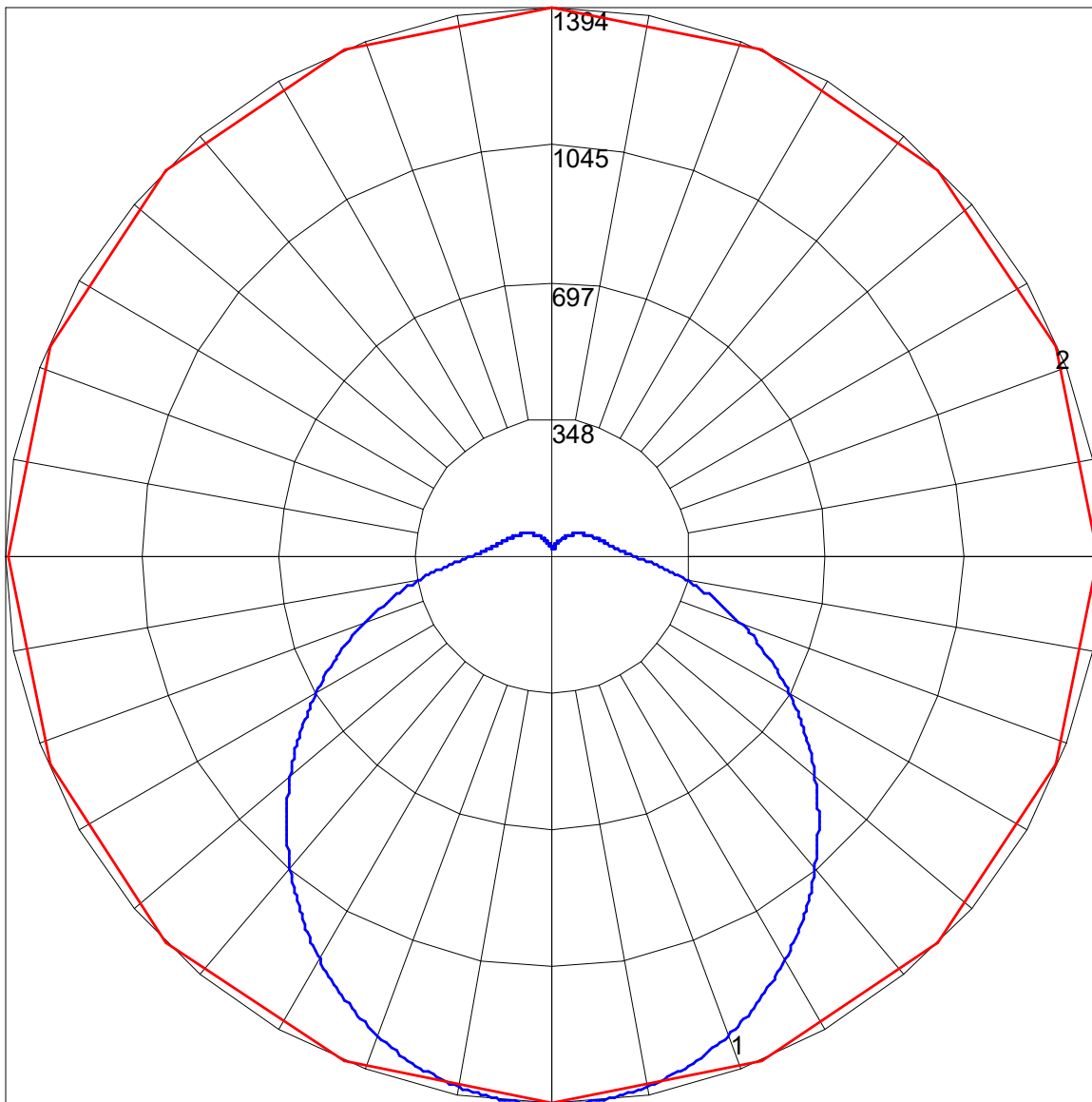
4H	2H	17.2	18.4	17.7	18.9	19.5	19.0	20.2	19.5	20.7	21.3
	3H	18.8	19.9	19.4	20.4	21.0	21.5	22.5	22.0	23.1	23.7
	4H	19.4	20.3	19.9	20.9	21.5	22.7	23.7	23.3	24.2	24.9
	6H	19.7	20.6	20.3	21.2	21.8	23.9	24.8	24.5	25.4	26.0
	8H	19.8	20.6	20.4	21.2	21.9	24.5	25.3	25.1	25.9	26.6
	12H	19.8	20.6	20.4	21.2	21.9	25.2	25.9	25.8	26.5	27.2

8H	4H	20.0	20.8	20.6	21.4	22.0	22.9	23.7	23.5	24.3	24.9
	6H	20.5	21.2	21.1	21.8	22.5	24.3	24.9	24.9	25.6	26.3
	8H	20.6	21.2	21.3	21.9	22.6	25.0	25.6	25.6	26.3	26.9
	12H	20.7	21.3	21.4	21.9	22.7	25.8	26.4	26.5	27.0	27.8

12H	4H	20.1	20.9	20.7	21.5	22.2	22.9	23.6	23.5	24.2	24.9
	6H	20.7	21.3	21.4	22.0	22.7	24.3	24.9	24.9	25.5	26.3
	8H	21.0	21.5	21.6	22.1	22.9	25.1	25.6	25.7	26.3	27.0

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 1393.682 Located At Horizontal Angle = 90, Vertical Angle = 2  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)