



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 VL UV FA 930.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 930

[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 CL116-3000K-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	4211
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
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	6507	6092	6262
55	5816	5477	5805
65	5002	4803	5335
75	3908	4070	4848
85	1951	3348	4453

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	481.12	N.A.	11.40
0-30	1015.45	N.A.	24.10
0-40	1650.81	N.A.	39.20
0-60	2891.99	N.A.	68.70
0-80	3679.32	N.A.	87.40
0-90	3850.2	N.A.	91.40
10-90	3725.24	N.A.	88.50
20-40	1169.69	N.A.	27.80
20-50	1820.92	N.A.	43.20
40-70	1711.11	N.A.	40.60
60-80	787.33	N.A.	18.70
70-80	317.40	N.A.	7.50
80-90	170.88	N.A.	4.10
90-110	171.99	N.A.	4.10
90-120	233.25	N.A.	5.50
90-130	281.72	N.A.	6.70
90-150	340.57	N.A.	8.10
90-180	360.96	N.A.	8.60
110-180	188.97	N.A.	4.50
0-180	4211.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	124.96
10-20	356.16
20-30	534.32
30-40	635.36
40-50	651.23
50-60	589.95
60-70	469.93
70-80	317.40
80-90	170.88
90-100	96.22
100-110	75.77
110-120	61.26
120-130	48.47
130-140	35.64
140-150	23.21
150-160	12.93
160-170	5.89
170-180	1.56

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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	24	36	29	24	34	28	23	33	27	23	21

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**UGR TABLE - CORRECTED**

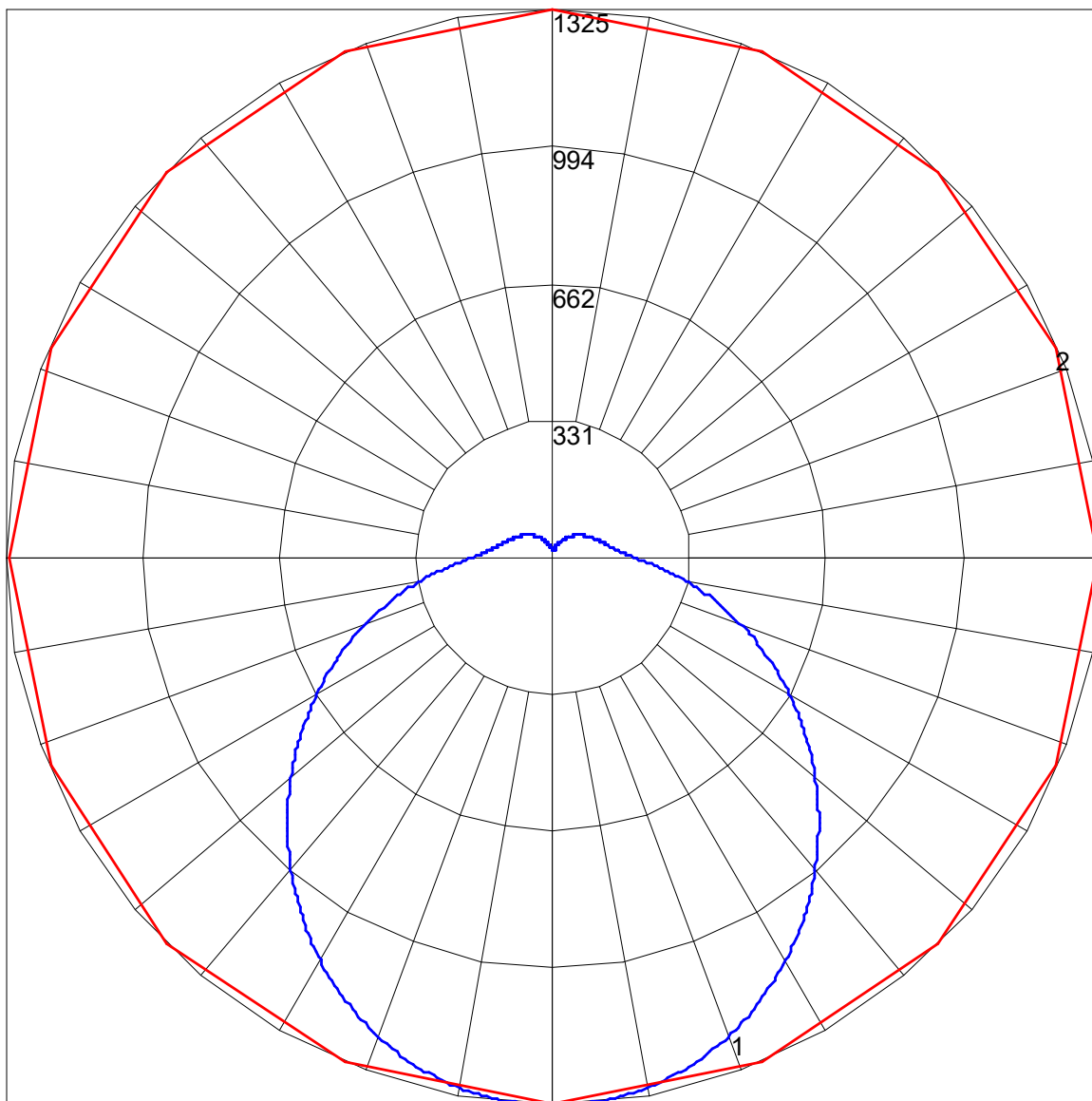
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	16.1	17.6	16.6	18.1	18.6	18.4	19.8	18.9	20.3	20.9
	3H	17.5	18.8	18.0	19.3	19.9	20.7	22.0	21.2	22.5	23.1
	4H	17.9	19.2	18.5	19.7	20.3	21.7	23.0	22.2	23.5	24.1
	6H	18.2	19.4	18.8	19.9	20.5	22.8	23.9	23.3	24.5	25.1
	8H	18.3	19.4	18.8	19.9	20.5	23.3	24.4	23.8	24.9	25.5
	12H	18.3	19.3	18.8	19.9	20.5	23.8	24.9	24.4	25.4	26.1
4H	2H	17.0	18.2	17.5	18.7	19.3	18.8	20.0	19.3	20.5	21.1
	3H	18.6	19.7	19.2	20.2	20.8	21.3	22.3	21.8	22.9	23.5
	4H	19.2	20.1	19.7	20.7	21.3	22.5	23.5	23.1	24.0	24.7
	6H	19.5	20.4	20.1	21.0	21.6	23.7	24.6	24.3	25.2	25.8
	8H	19.6	20.4	20.2	21.0	21.7	24.3	25.1	24.9	25.7	26.4
	12H	19.6	20.4	20.2	21.0	21.7	25.0	25.7	25.6	26.3	27.0
8H	4H	19.8	20.6	20.4	21.2	21.8	22.7	23.5	23.3	24.1	24.7
	6H	20.3	21.0	20.9	21.6	22.3	24.1	24.7	24.7	25.4	26.1
	8H	20.4	21.0	21.1	21.7	22.4	24.8	25.4	25.4	26.1	26.7
	12H	20.5	21.1	21.2	21.7	22.5	25.6	26.2	26.3	26.8	27.6
12H	4H	19.9	20.7	20.5	21.3	22.0	22.7	23.4	23.3	24.0	24.7
	6H	20.5	21.1	21.2	21.8	22.5	24.1	24.7	24.7	25.3	26.0
	8H	20.8	21.3	21.4	21.9	22.7	24.9	25.4	25.5	26.1	26.8

Maximum UGR = 27.6

POLAR GRAPH



Maximum Candela = 1324.687 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.)