



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 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 8 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] Four CL116-5000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-50-UV-P1400-55-VDIM-LT1 LED driver set at 830mA

[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	6699
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	164
Total Luminaire Watts	40.8
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)	8.00 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	5249	4886	4980
55	4719	4406	4618
65	4098	3879	4244
75	3266	3308	3856
85	1770	2758	3542

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	765.36	N.A.	11.40
0-30	1615.35	N.A.	24.10
0-40	2626.08	N.A.	39.20
0-60	4600.52	N.A.	68.70
0-80	5852.99	N.A.	87.40
0-90	6124.82	N.A.	91.40
10-90	5926.03	N.A.	88.50
20-40	1860.72	N.A.	27.80
20-50	2896.68	N.A.	43.20
40-70	2721.99	N.A.	40.60
60-80	1252.47	N.A.	18.70
70-80	504.92	N.A.	7.50
80-90	271.83	N.A.	4.10
90-110	273.59	N.A.	4.10
90-120	371.05	N.A.	5.50
90-130	448.16	N.A.	6.70
90-150	541.77	N.A.	8.10
90-180	574.20	N.A.	8.60
110-180	300.61	N.A.	4.50
0-180	6699.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	198.78
10-20	566.58
20-30	849.99
30-40	1010.72
40-50	1035.96
50-60	938.48
60-70	747.55
70-80	504.92
80-90	271.83
90-100	153.06
100-110	120.53
110-120	97.45
120-130	77.11
130-140	56.69
140-150	36.92
150-160	20.57
160-170	9.37
170-180	2.49

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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

X=2H	Y=2H	15.3	16.8	15.8	17.3	17.8	17.6	19.1	18.1	19.6	20.1
	3H	16.7	18.1	17.2	18.6	19.1	20.0	21.3	20.5	21.8	22.3
	4H	17.2	18.4	17.7	18.9	19.5	21.0	22.3	21.5	22.8	23.4
	6H	17.4	18.6	18.0	19.1	19.7	22.1	23.2	22.6	23.8	24.4
	8H	17.5	18.6	18.0	19.1	19.7	22.6	23.7	23.2	24.3	24.9
	12H	17.5	18.5	18.0	19.1	19.7	23.2	24.3	23.7	24.8	25.4

UGR Viewed Endwise

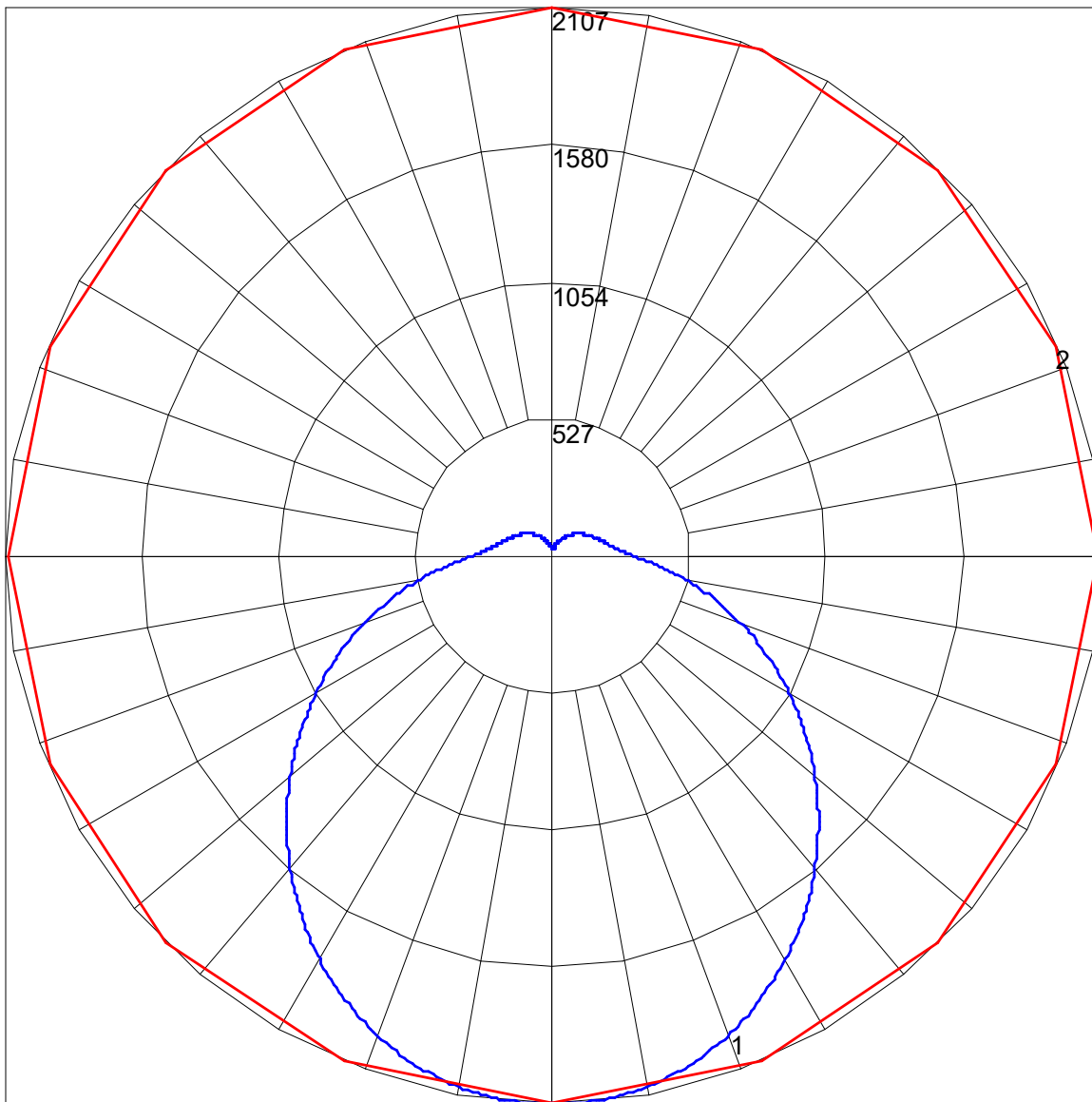
4H	2H	16.2	17.4	16.7	18.0	18.5	18.0	19.3	18.5	19.8	20.4
	3H	17.8	18.9	18.4	19.5	20.1	20.6	21.6	21.1	22.2	22.8
	4H	18.4	19.3	18.9	19.9	20.6	21.8	22.8	22.4	23.3	24.0
	6H	18.7	19.6	19.3	20.2	20.8	23.0	23.9	23.6	24.5	25.2
	8H	18.8	19.6	19.4	20.2	20.9	23.7	24.5	24.3	25.1	25.7
	12H	18.9	19.6	19.5	20.2	20.9	24.4	25.1	25.0	25.7	26.4

8H	4H	19.0	19.8	19.6	20.4	21.1	22.0	22.8	22.6	23.4	24.0
	6H	19.5	20.2	20.2	20.8	21.5	23.4	24.1	24.0	24.7	25.4
	8H	19.7	20.3	20.3	20.9	21.6	24.1	24.8	24.8	25.4	26.1
	12H	19.8	20.3	20.4	20.9	21.7	25.0	25.6	25.7	26.2	26.9

12H	4H	19.2	19.9	19.8	20.5	21.2	22.0	22.7	22.6	23.3	24.0
	6H	19.8	20.4	20.4	21.0	21.7	23.4	24.0	24.1	24.6	25.4
	8H	20.0	20.5	20.6	21.2	21.9	24.2	24.8	24.9	25.4	26.2

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 2107.286 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.)