



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 4 LW 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-50-UV-P1400-55-VDIM-LT1 LED driver set at 700mA

[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	5494
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	35.1
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	8489	7947	8168
55	7587	7145	7573
65	6526	6266	6960
75	5098	5310	6325
85	2545	4367	5809

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	627.64	N.A.	11.40
0-30	1324.68	N.A.	24.10
0-40	2153.53	N.A.	39.20
0-60	3772.68	N.A.	68.70
0-80	4799.78	N.A.	87.40
0-90	5022.69	N.A.	91.40
10-90	4859.68	N.A.	88.50
20-40	1525.89	N.A.	27.80
20-50	2375.44	N.A.	43.20
40-70	2232.18	N.A.	40.60
60-80	1027.09	N.A.	18.70
70-80	414.06	N.A.	7.50
80-90	222.92	N.A.	4.10
90-110	224.36	N.A.	4.10
90-120	304.28	N.A.	5.50
90-130	367.51	N.A.	6.70
90-150	444.28	N.A.	8.10
90-180	470.88	N.A.	8.60
110-180	246.52	N.A.	4.50
0-180	5493.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	163.01
10-20	464.62
20-30	697.04
30-40	828.85
40-50	849.54
50-60	769.61
60-70	613.03
70-80	414.06
80-90	222.92
90-100	125.52
100-110	98.84
110-120	79.92
120-130	63.23
130-140	46.49
140-150	30.28
150-160	16.87
160-170	7.69
170-180	2.04

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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	72	80	74	69	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	44	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	35	29	24	34	28	23	33	27	23	21

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**UGR TABLE - CORRECTED**

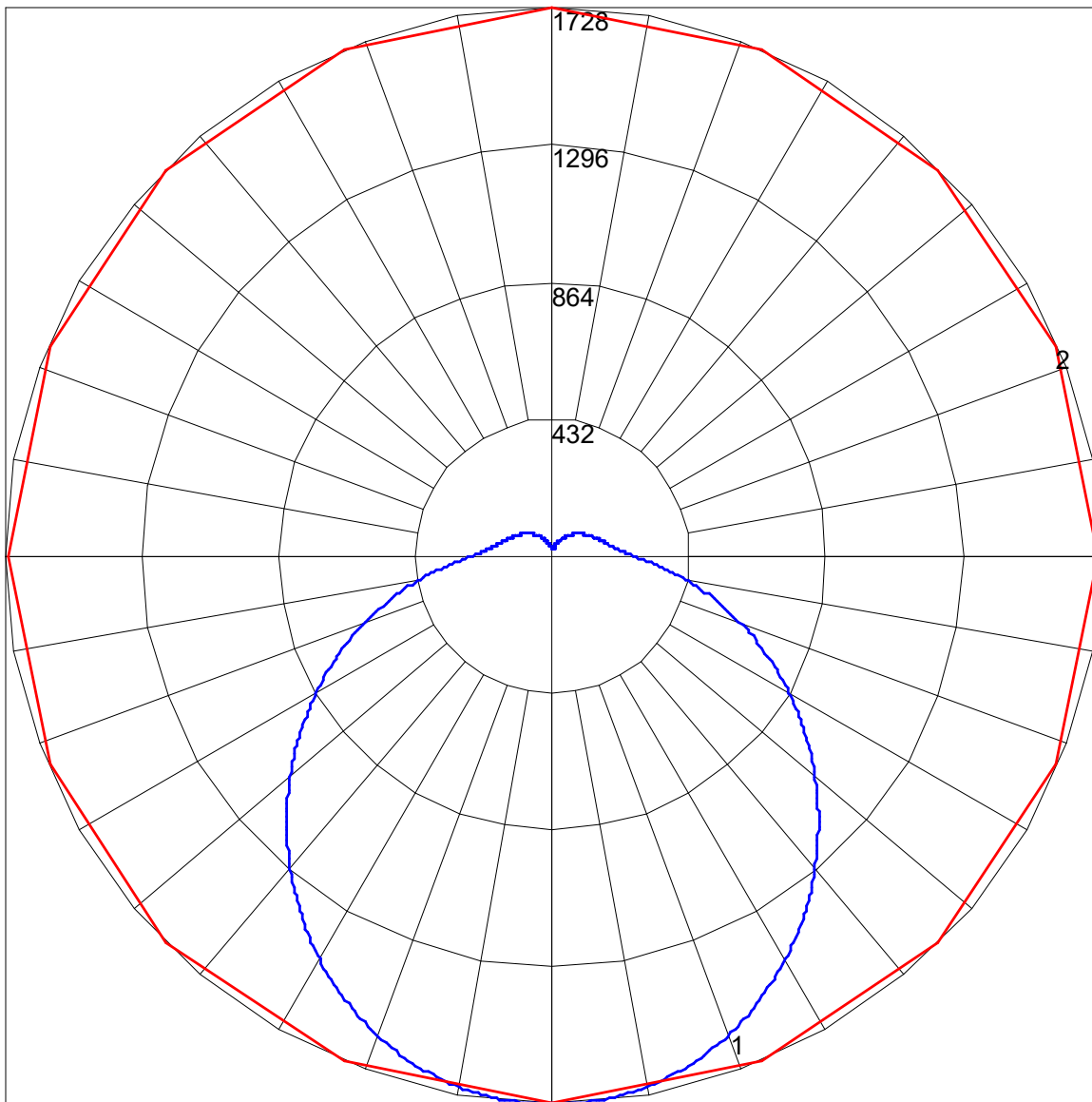
Reflectances

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	17.0	18.5	17.5	19.0	19.5	19.3	20.7	19.8	21.2	21.8
	3H	18.4	19.7	18.9	20.2	20.8	21.6	22.9	22.1	23.4	24.0
	4H	18.8	20.1	19.4	20.6	21.2	22.6	23.9	23.1	24.4	25.0
	6H	19.1	20.3	19.7	20.8	21.4	23.7	24.8	24.2	25.4	26.0
	8H	19.2	20.3	19.7	20.8	21.4	24.2	25.3	24.7	25.8	26.4
	12H	19.2	20.2	19.7	20.8	21.4	24.7	25.8	25.3	26.3	27.0
4H	2H	17.9	19.1	18.4	19.6	20.2	19.7	20.9	20.2	21.4	22.0
	3H	19.5	20.6	20.1	21.1	21.7	22.2	23.2	22.7	23.8	24.4
	4H	20.1	21.0	20.6	21.6	22.2	23.4	24.4	24.0	24.9	25.6
	6H	20.4	21.3	21.0	21.9	22.5	24.6	25.5	25.2	26.1	26.7
	8H	20.5	21.3	21.1	21.9	22.6	25.2	26.0	25.8	26.6	27.3
	12H	20.5	21.3	21.2	21.9	22.6	25.9	26.6	26.5	27.2	27.9
8H	4H	20.7	21.5	21.3	22.1	22.7	23.6	24.4	24.2	25.0	25.6
	6H	21.2	21.9	21.8	22.5	23.2	25.0	25.6	25.6	26.3	27.0
	8H	21.3	21.9	22.0	22.6	23.3	25.7	26.3	26.3	27.0	27.6
	12H	21.4	22.0	22.1	22.6	23.4	26.5	27.1	27.2	27.7	28.5
12H	4H	20.8	21.6	21.4	22.2	22.9	23.6	24.3	24.2	24.9	25.6
	6H	21.4	22.0	22.1	22.7	23.4	25.0	25.6	25.6	26.2	27.0
	8H	21.7	22.2	22.3	22.8	23.6	25.8	26.3	26.4	27.0	27.7

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 1728.092 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.)