



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 VH 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 VH 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 CL115-5000K-R90-A5 CREE G CLASS PRO 9 84UP LED boards with 84 LEDs each.

[BALLAST] One Keystone Technologies KTLD-85-UV-P2300-55-VDIM-LT2 LED driver set at 1,580mA

[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	10791
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	71.6
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	16675	15610	16045
55	14902	14034	14876
65	12819	12309	13672
75	10013	10430	12424
85	4998	8579	11411

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1232.89	N.A.	11.40
0-30	2602.11	N.A.	24.10
0-40	4230.24	N.A.	39.20
0-60	7410.79	N.A.	68.70
0-80	9428.35	N.A.	87.40
0-90	9866.23	N.A.	91.40
10-90	9546.01	N.A.	88.50
20-40	2997.35	N.A.	27.80
20-50	4666.14	N.A.	43.20
40-70	4384.75	N.A.	40.60
60-80	2017.55	N.A.	18.70
70-80	813.35	N.A.	7.50
80-90	437.88	N.A.	4.10
90-110	440.72	N.A.	4.10
90-120	597.71	N.A.	5.50
90-130	721.92	N.A.	6.70
90-150	872.72	N.A.	8.10
90-180	924.96	N.A.	8.60
110-180	484.24	N.A.	4.50
0-180	10791.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	320.21
10-20	912.67
20-30	1369.22
30-40	1628.13
40-50	1668.79
50-60	1511.77
60-70	1204.2
70-80	813.35
80-90	437.88
90-100	246.56
100-110	194.16
110-120	156.99
120-130	124.21
130-140	91.32
140-150	59.48
150-160	33.14
160-170	15.10
170-180	4.00

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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	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

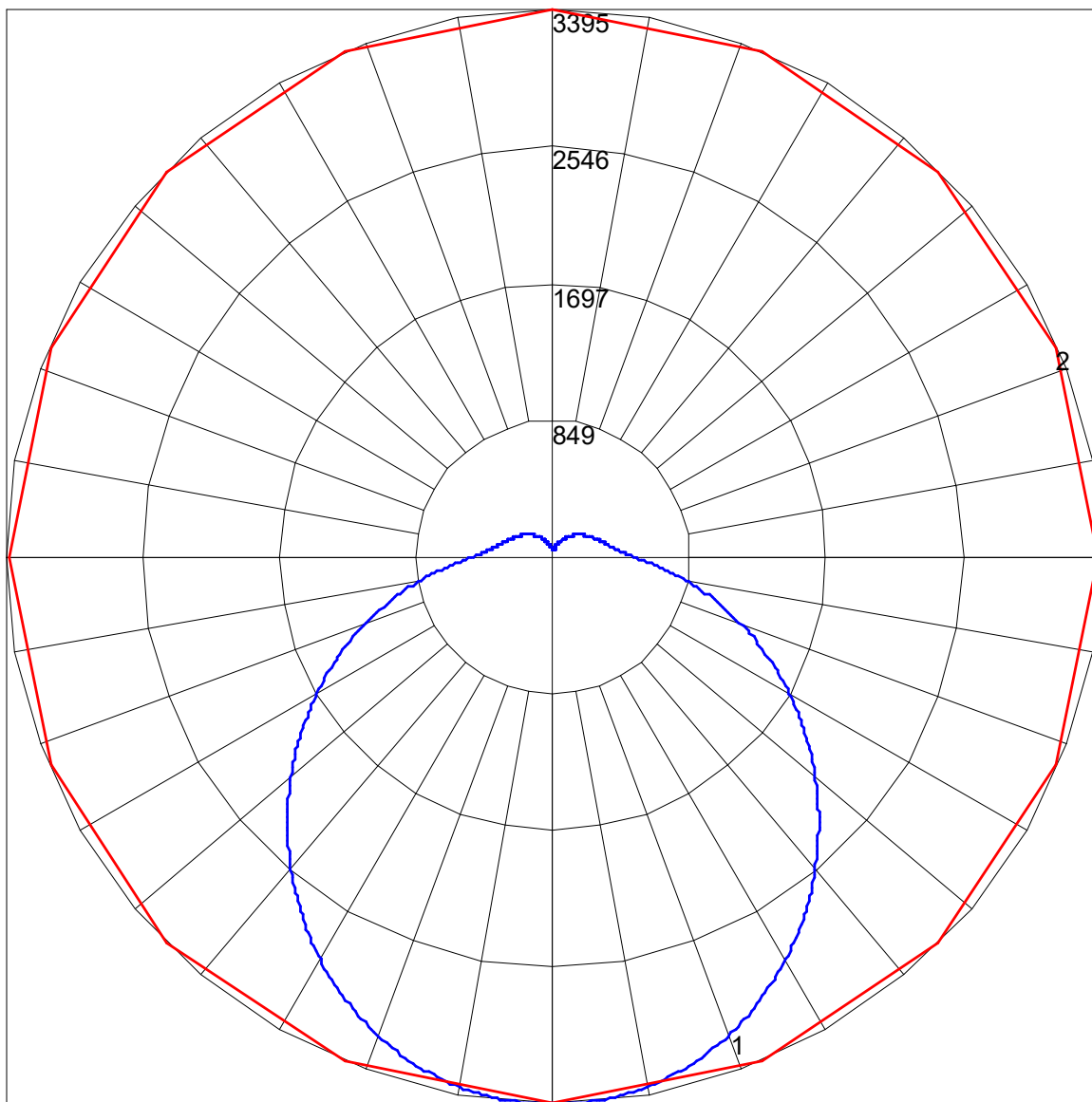
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**UGR TABLE - CORRECTED**

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	19.4	20.9	19.9	21.4	21.9	21.7	23.1	22.2	23.6	24.2
	3H	20.8	22.1	21.3	22.6	23.2	24.0	25.3	24.5	25.8	26.4
	4H	21.2	22.5	21.8	23.0	23.6	25.0	26.3	25.5	26.8	27.4
	6H	21.5	22.7	22.1	23.2	23.8	26.1	27.2	26.6	27.8	28.4
	8H	21.6	22.7	22.1	23.2	23.8	26.6	27.7	27.1	28.2	28.8
	12H	21.6	22.6	22.1	23.2	23.8	27.1	28.2	27.7	28.7	29.4
4H	2H	20.3	21.5	20.8	22.0	22.6	22.1	23.3	22.6	23.8	24.4
	3H	21.9	23.0	22.5	23.5	24.1	24.6	25.6	25.1	26.2	26.8
	4H	22.5	23.4	23.0	24.0	24.6	25.8	26.8	26.4	27.3	28.0
	6H	22.8	23.7	23.4	24.3	24.9	27.0	27.9	27.6	28.5	29.1
	8H	22.9	23.7	23.5	24.3	25.0	27.6	28.4	28.2	29.0	29.7
	12H	22.9	23.7	23.5	24.3	25.0	28.3	29.0	28.9	29.6	30.3
8H	4H	23.1	23.9	23.7	24.5	25.1	26.0	26.8	26.6	27.4	28.0
	6H	23.6	24.3	24.2	24.9	25.6	27.4	28.0	28.0	28.7	29.4
	8H	23.7	24.3	24.4	25.0	25.7	28.1	28.7	28.7	29.4	30.0
	12H	23.8	24.4	24.5	25.0	25.8	28.9	29.5	29.6	30.1	30.9
12H	4H	23.2	24.0	23.8	24.6	25.3	26.0	26.7	26.6	27.3	28.0
	6H	23.8	24.4	24.5	25.1	25.8	27.4	28.0	28.0	28.6	29.4
	8H	24.1	24.6	24.7	25.2	26.0	28.2	28.7	28.8	29.4	30.1

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 3394.544 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.)