



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 VH UV FA 950.IES

### DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] LLIA002568-003A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 2 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] One CL115-5000K-R90-A5-CREE G CLASS PRO9 84UP LED board with 84 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 800mA

[OTHER] 119.9Vac, 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	5209
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	35.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 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	15390	14776	15608
55	13494	13155	14500
65	11351	11439	13343
75	8532	9576	12133
85	3714	7761	11222

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	600.02	N.A.	11.50
0-30	1264.12	N.A.	24.30
0-40	2050.77	N.A.	39.40
0-60	3579.49	N.A.	68.70
0-80	4547.82	N.A.	87.30
0-90	4760.79	N.A.	91.40
10-90	4604.76	N.A.	88.40
20-40	1450.75	N.A.	27.90
20-50	2253.97	N.A.	43.30
40-70	2106.08	N.A.	40.40
60-80	968.34	N.A.	18.60
70-80	390.98	N.A.	7.50
80-90	212.97	N.A.	4.10
90-110	213.88	N.A.	4.10
90-120	288.97	N.A.	5.50
90-130	348.33	N.A.	6.70
90-150	421.41	N.A.	8.10
90-180	447.84	N.A.	8.60
110-180	233.96	N.A.	4.50
0-180	5208.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	156.03
10-20	443.99
20-30	664.10
30-40	786.65
40-50	803.22
50-60	725.49
60-70	577.36
70-80	390.98
80-90	212.97
90-100	120.45
100-110	93.44
110-120	75.08
120-130	59.36
130-140	43.90
140-150	29.18
150-160	16.78
160-170	7.75
170-180	1.91

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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	45	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	61	48	40	34	46	38	33	43	37	32	41	36	31	29
8	58	45	36	31	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	27	37	30	26	35	30	25	23
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	33	27	23	21

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**UGR TABLE - CORRECTED**

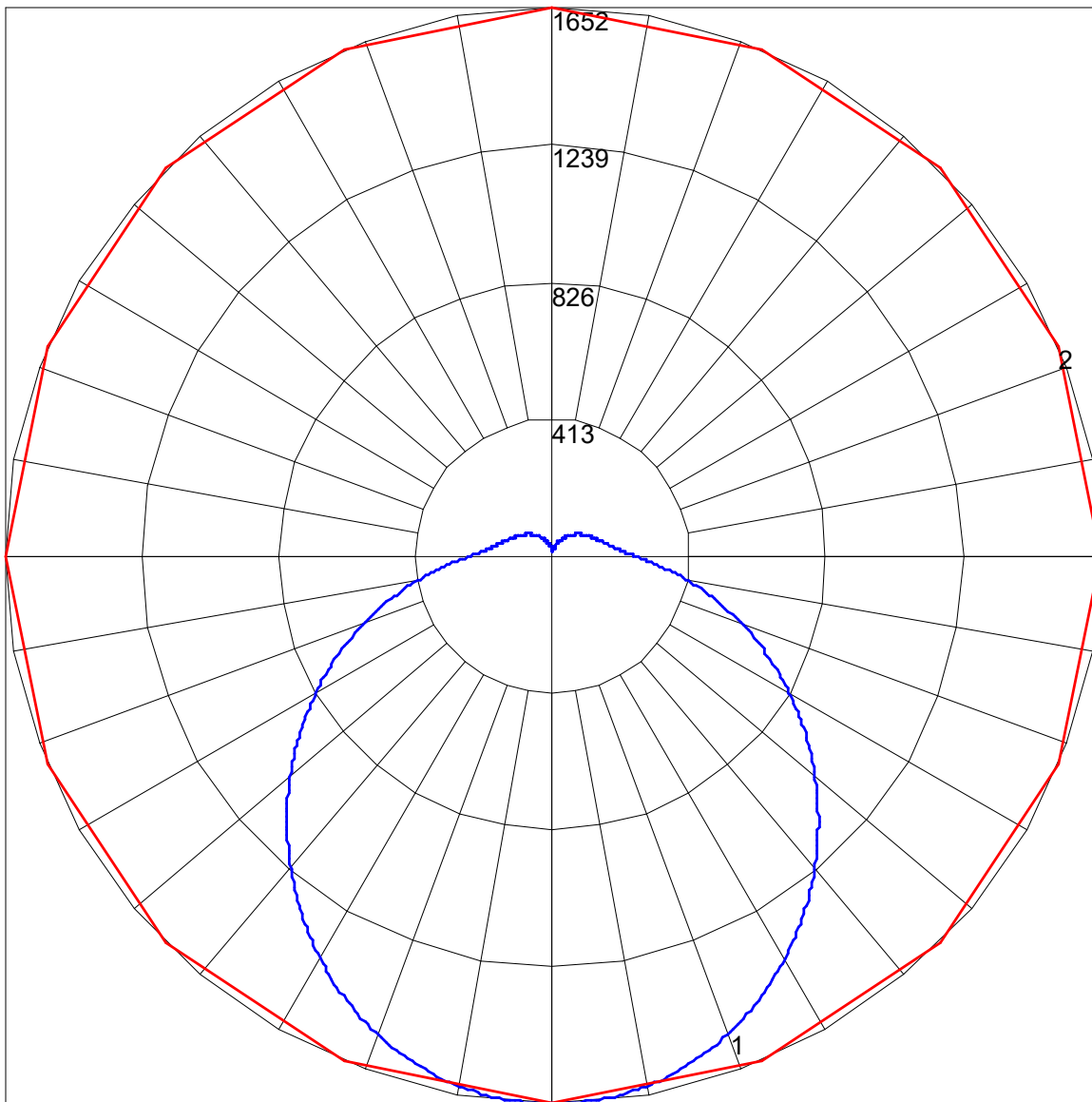
Reflectances

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	19.0	20.5	19.5	21.0	21.5	21.4	22.9	21.9	23.4	23.9
	3H	20.4	21.8	20.9	22.3	22.8	23.7	25.0	24.2	25.5	26.1
	4H	20.9	22.1	21.4	22.6	23.2	24.7	25.9	25.2	26.5	27.0
	6H	21.1	22.3	21.7	22.8	23.4	25.7	26.9	26.2	27.4	28.0
	8H	21.2	22.3	21.7	22.8	23.4	26.2	27.3	26.7	27.8	28.5
	12H	21.2	22.2	21.7	22.8	23.4	26.7	27.7	27.2	28.3	28.9
4H	2H	19.9	21.2	20.4	21.7	22.3	21.8	23.0	22.3	23.6	24.1
	3H	21.5	22.6	22.1	23.2	23.8	24.3	25.3	24.8	25.9	26.5
	4H	22.1	23.0	22.6	23.6	24.3	25.5	26.4	26.0	27.0	27.6
	6H	22.4	23.3	23.0	23.9	24.5	26.7	27.5	27.2	28.1	28.8
	8H	22.5	23.3	23.1	23.9	24.6	27.2	28.0	27.8	28.6	29.3
	12H	22.5	23.3	23.2	23.9	24.6	27.9	28.6	28.5	29.2	29.9
8H	4H	22.7	23.5	23.3	24.1	24.7	25.6	26.4	26.2	27.0	27.7
	6H	23.2	23.9	23.8	24.5	25.2	27.0	27.7	27.6	28.3	29.0
	8H	23.3	24.0	24.0	24.6	25.3	27.7	28.3	28.3	29.0	29.6
	12H	23.4	24.0	24.1	24.6	25.4	28.5	29.0	29.1	29.7	30.4
12H	4H	22.8	23.6	23.5	24.2	24.9	25.6	26.4	26.2	27.0	27.7
	6H	23.4	24.1	24.1	24.7	25.4	27.0	27.6	27.7	28.2	29.0
	8H	23.7	24.2	24.3	24.8	25.6	27.8	28.3	28.4	29.0	29.7

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 1652.482 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)