



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 MD 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 MD 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 CL116-5000K-R90-A5-CREE G CLASS PRO9 48UP LED board with 48 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 430mA

[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	3188
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	22.4
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	9420	9044	9554
55	8259	8052	8875
65	6948	7002	8167
75	5222	5861	7427
85	2273	4750	6869

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	367.26	N.A.	11.50
0-30	773.75	N.A.	24.30
0-40	1255.24	N.A.	39.40
0-60	2190.95	N.A.	68.70
0-80	2783.65	N.A.	87.30
0-90	2914.01	N.A.	91.40
10-90	2818.5	N.A.	88.40
20-40	887.98	N.A.	27.90
20-50	1379.62	N.A.	43.30
40-70	1289.1	N.A.	40.40
60-80	592.70	N.A.	18.60
70-80	239.31	N.A.	7.50
80-90	130.35	N.A.	4.10
90-110	130.92	N.A.	4.10
90-120	176.87	N.A.	5.50
90-130	213.21	N.A.	6.70
90-150	257.94	N.A.	8.10
90-180	274.12	N.A.	8.60
110-180	143.20	N.A.	4.50
0-180	3188.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	95.50
10-20	271.76
20-30	406.49
30-40	481.50
40-50	491.64
50-60	444.06
60-70	353.39
70-80	239.31
80-90	130.35
90-100	73.72
100-110	57.19
110-120	45.96
120-130	36.33
130-140	26.87
140-150	17.86
150-160	10.27
160-170	4.74
170-180	1.17

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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

X=2H	Y=2H	17.3	18.8	17.8	19.3	19.8	19.7	21.2	20.2	21.7	22.2
	3H	18.7	20.1	19.2	20.6	21.1	22.0	23.3	22.5	23.8	24.4
	4H	19.2	20.4	19.7	20.9	21.5	23.0	24.2	23.5	24.8	25.3
	6H	19.4	20.6	20.0	21.1	21.7	24.0	25.2	24.5	25.7	26.3
	8H	19.5	20.6	20.0	21.1	21.7	24.5	25.6	25.0	26.1	26.8
	12H	19.5	20.5	20.0	21.1	21.7	25.0	26.0	25.5	26.6	27.2

UGR Viewed Endwise

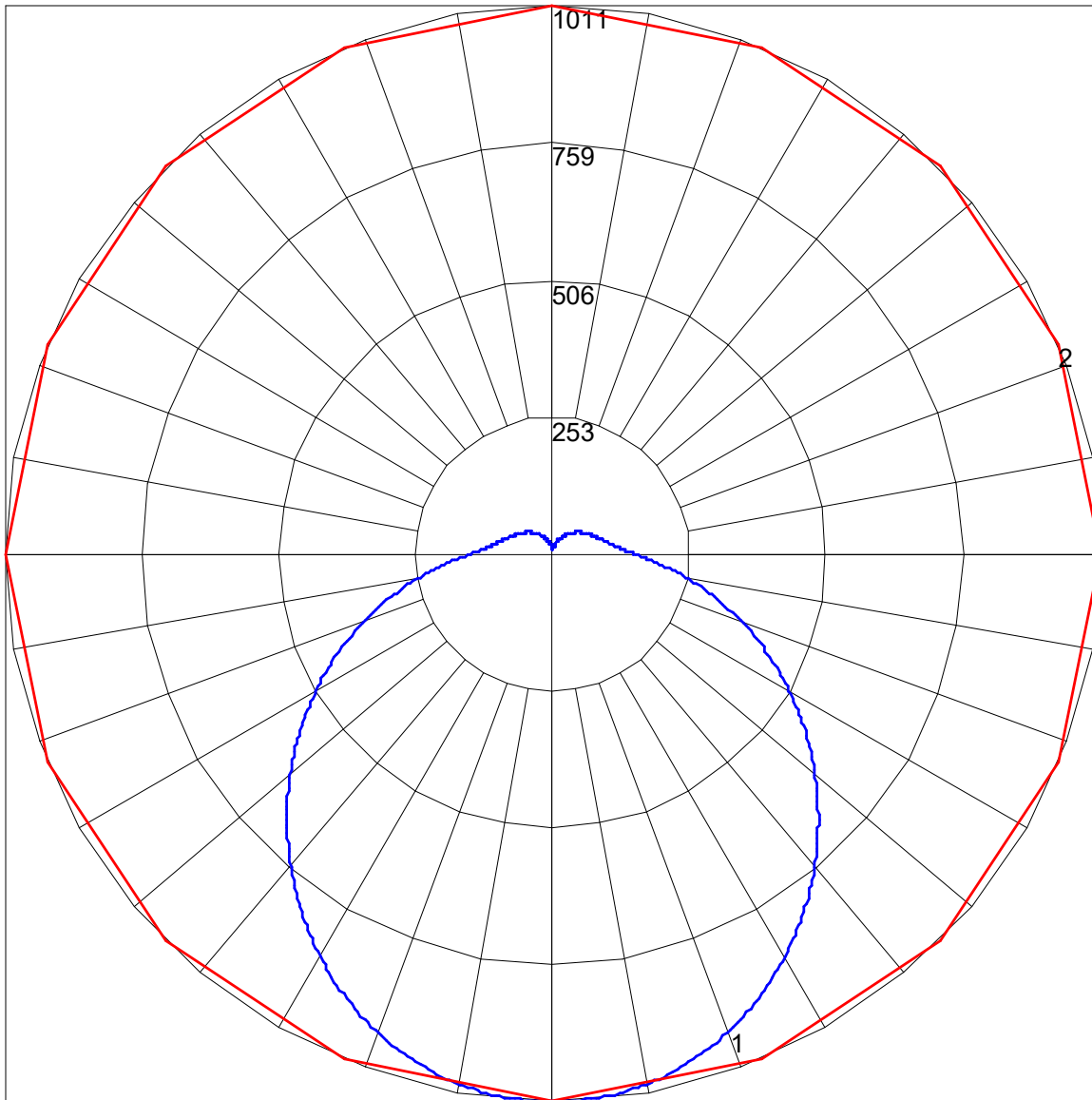
4H	2H	18.2	19.5	18.7	20.0	20.6	20.1	21.3	20.6	21.9	22.4
	3H	19.8	20.9	20.4	21.5	22.1	22.6	23.6	23.1	24.2	24.8
	4H	20.4	21.3	20.9	21.9	22.5	23.8	24.7	24.3	25.3	25.9
	6H	20.7	21.6	21.3	22.2	22.8	25.0	25.8	25.5	26.4	27.1
	8H	20.8	21.6	21.4	22.2	22.9	25.5	26.3	26.1	26.9	27.6
	12H	20.8	21.6	21.5	22.2	22.9	26.2	26.9	26.8	27.5	28.2

8H	4H	21.0	21.8	21.6	22.4	23.0	23.9	24.7	24.5	25.3	26.0
	6H	21.5	22.2	22.1	22.8	23.5	25.3	26.0	25.9	26.6	27.3
	8H	21.6	22.2	22.3	22.9	23.6	26.0	26.6	26.6	27.3	27.9
	12H	21.7	22.3	22.4	22.9	23.7	26.8	27.3	27.4	28.0	28.7

12H	4H	21.1	21.9	21.8	22.5	23.2	23.9	24.7	24.5	25.3	26.0
	6H	21.7	22.4	22.4	23.0	23.7	25.3	25.9	26.0	26.5	27.3
	8H	22.0	22.5	22.6	23.1	23.9	26.1	26.6	26.7	27.3	28.0

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 1011.458 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.)