



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 SEL25 UV FA 940.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] Lumen Focus, LLC

[LUMCAT] EWL S G2 2 SEL25 UV FA 940

[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 CL116-4000K-R90-A5-CREE G CLASS PRO9 48UP LED board with 48 LEDs.

[BALLAST] One Keystone Technologies KTLD-25-UV-PS450-54-VDIM-LP2 LED selectable output driver

[OTHER] 119.9Vac, 60.00Hz

### CHARACTERISTICS

Lumens Per Lamp	3295.758 (1 lamp)
Total Lamp Lumens	3295.758
Luminaire Lumens	3296
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	23.3
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	9738	9349	9876
55	8538	8324	9175
65	7182	7238	8443
75	5398	6059	7677
85	2350	4910	7101

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	379.66	11.50	11.50
0-30	799.86	24.30	24.30
0-40	1297.61	39.40	39.40
0-60	2264.89	68.70	68.70
0-80	2877.6	87.30	87.30
0-90	3012.35	91.40	91.40
10-90	2913.62	88.40	88.40
20-40	917.95	27.90	27.90
20-50	1426.18	43.30	43.30
40-70	1332.6	40.40	40.40
60-80	612.71	18.60	18.60
70-80	247.39	7.50	7.50
80-90	134.75	4.10	4.10
90-110	135.33	4.10	4.10
90-120	182.84	5.50	5.50
90-130	220.40	6.70	6.70
90-150	266.64	8.10	8.10
90-180	283.37	8.60	8.60
110-180	148.03	4.50	4.50
0-180	3295.72	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	98.73
10-20	280.93
20-30	420.21
30-40	497.75
40-50	508.23
50-60	459.05
60-70	365.32
70-80	247.39
80-90	134.75
90-100	76.21
100-110	59.12
110-120	47.51
120-130	37.56
130-140	27.78
140-150	18.47
150-160	10.62
160-170	4.90
170-180	1.21

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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	17.4	18.9	17.9	19.4	19.9	19.8	21.3	20.3	21.8	22.3
	3H	18.8	20.2	19.4	20.7	21.2	22.1	23.4	22.6	23.9	24.5
	4H	19.3	20.5	19.8	21.0	21.6	23.1	24.4	23.6	24.9	25.5
	6H	19.5	20.7	20.1	21.2	21.8	24.1	25.3	24.6	25.8	26.4
	8H	19.6	20.7	20.1	21.2	21.9	24.6	25.7	25.1	26.3	26.9
	12H	19.6	20.7	20.1	21.2	21.8	25.1	26.1	25.6	26.7	27.3

UGR Viewed Endwise

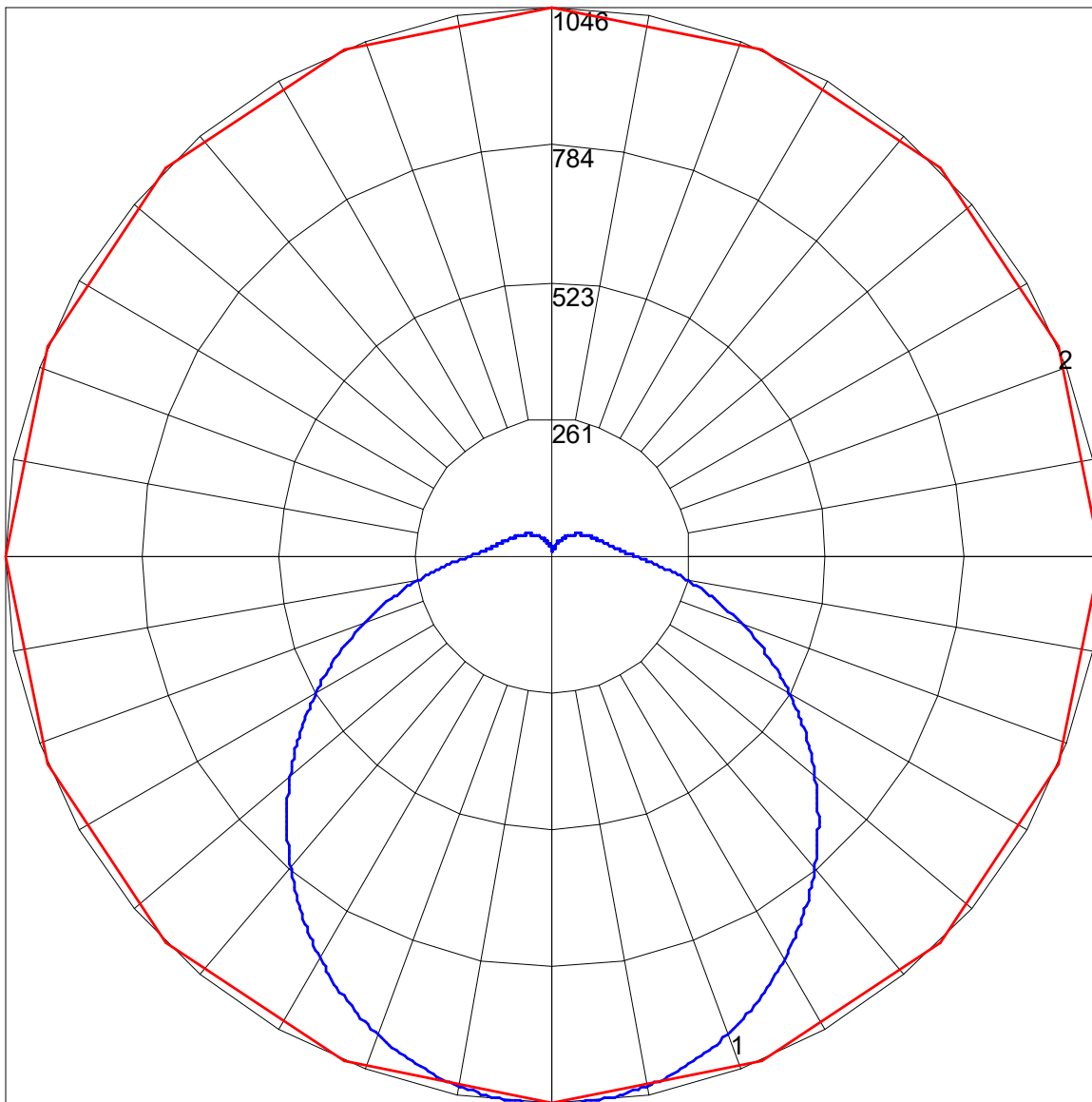
4H	2H	18.3	19.6	18.9	20.1	20.7	20.2	21.4	20.7	22.0	22.6
	3H	19.9	21.0	20.5	21.6	22.2	22.7	23.7	23.2	24.3	24.9
	4H	20.5	21.4	21.0	22.0	22.7	23.9	24.8	24.4	25.4	26.1
	6H	20.8	21.7	21.4	22.3	22.9	25.1	25.9	25.7	26.5	27.2
	8H	20.9	21.7	21.5	22.3	23.0	25.7	26.5	26.2	27.0	27.7
	12H	20.9	21.7	21.6	22.3	23.0	26.3	27.0	26.9	27.6	28.3

8H	4H	21.1	21.9	21.7	22.5	23.2	24.0	24.8	24.6	25.4	26.1
	6H	21.6	22.3	22.2	22.9	23.6	25.4	26.1	26.0	26.7	27.4
	8H	21.8	22.4	22.4	23.0	23.7	26.1	26.7	26.8	27.4	28.1
	12H	21.8	22.4	22.5	23.0	23.8	26.9	27.4	27.5	28.1	28.8

12H	4H	21.2	22.0	21.9	22.6	23.3	24.0	24.8	24.7	25.4	26.1
	6H	21.8	22.5	22.5	23.1	23.8	25.4	26.0	26.1	26.7	27.4
	8H	22.1	22.6	22.7	23.2	24.0	26.2	26.7	26.8	27.4	28.1

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 1045.594 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.)