



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 SEL15 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 SEL15 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 CL115-4000K-R90-A6-CREE G CLASS PRO9 28UP LED board with 28 LEDs.

[BALLAST] One Keystone Technologies KTLD-15-UV-PS300-54-VDIM-LP1 LED selectable output driver

[OTHER] 119.9Vac, 60.00Hz

### CHARACTERISTICS

Lumens Per Lamp	1972.434 (1 lamp)
Total Lamp Lumens	1972.434
Luminaire Lumens	1972
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	14.1
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	5828	5595	5911
55	5110	4982	5491
65	4298	4332	5053
75	3231	3626	4595
85	1406	2939	4250

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	227.22	11.50	11.50
0-30	478.70	24.30	24.30
0-40	776.59	39.40	39.40
0-60	1355.48	68.70	68.70
0-80	1722.17	87.30	87.30
0-90	1802.82	91.40	91.40
10-90	1743.73	88.40	88.40
20-40	549.37	27.90	27.90
20-50	853.54	43.30	43.30
40-70	797.53	40.40	40.40
60-80	366.69	18.60	18.60
70-80	148.05	7.50	7.50
80-90	80.65	4.10	4.10
90-110	80.99	4.10	4.10
90-120	109.43	5.50	5.50
90-130	131.91	6.70	6.70
90-150	159.58	8.10	8.10
90-180	169.59	8.60	8.60
110-180	88.60	4.50	4.50
0-180	1972.41	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	59.09
10-20	168.13
20-30	251.48
30-40	297.89
40-50	304.17
50-60	274.73
60-70	218.64
70-80	148.05
80-90	80.65
90-100	45.61
100-110	35.38
110-120	28.43
120-130	22.48
130-140	16.62
140-150	11.05
150-160	6.35
160-170	2.93
170-180	0.72

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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	15.7	17.2	16.2	17.7	18.2	18.1	19.6	18.6	20.1	20.6
	3H	17.1	18.5	17.7	19.0	19.5	20.4	21.7	20.9	22.2	22.8
	4H	17.6	18.8	18.1	19.3	19.9	21.4	22.7	21.9	23.2	23.8
	6H	17.8	19.0	18.4	19.5	20.1	22.4	23.6	22.9	24.1	24.7
	8H	17.9	19.0	18.4	19.5	20.2	22.9	24.0	23.4	24.6	25.2
	12H	17.9	19.0	18.4	19.5	20.1	23.4	24.4	23.9	25.0	25.6

UGR Viewed Endwise

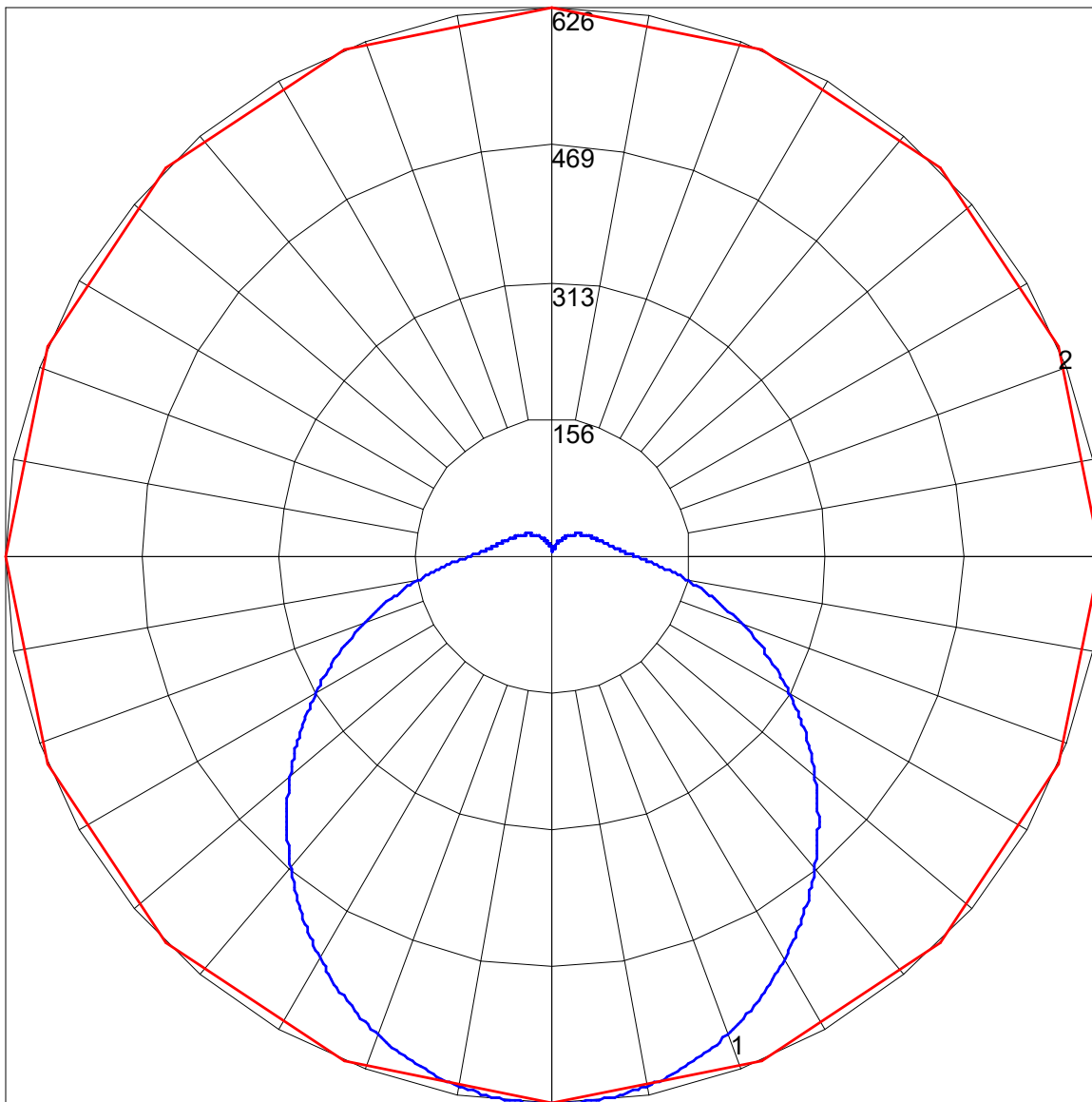
4H	2H	16.6	17.9	17.2	18.4	19.0	18.5	19.7	19.0	20.3	20.9
	3H	18.2	19.3	18.8	19.9	20.5	21.0	22.0	21.5	22.6	23.2
	4H	18.8	19.7	19.3	20.3	21.0	22.2	23.1	22.7	23.7	24.4
	6H	19.1	20.0	19.7	20.6	21.2	23.4	24.2	24.0	24.8	25.5
	8H	19.2	20.0	19.8	20.6	21.3	24.0	24.8	24.5	25.3	26.0
	12H	19.2	20.0	19.9	20.6	21.3	24.6	25.3	25.2	25.9	26.6

8H	4H	19.4	20.2	20.0	20.8	21.5	22.3	23.1	22.9	23.7	24.4
	6H	19.9	20.6	20.5	21.2	21.9	23.7	24.4	24.3	25.0	25.7
	8H	20.1	20.7	20.7	21.3	22.0	24.4	25.0	25.1	25.7	26.4
	12H	20.1	20.7	20.8	21.3	22.1	25.2	25.7	25.8	26.4	27.1

12H	4H	19.5	20.3	20.2	20.9	21.6	22.3	23.1	23.0	23.7	24.4
	6H	20.1	20.8	20.8	21.4	22.1	23.7	24.3	24.4	25.0	25.7
	8H	20.4	20.9	21.0	21.5	22.3	24.5	25.0	25.1	25.7	26.4

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 625.764 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.)