



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 HI UV FA 940.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 8 HI 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] Four CL116-4000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-85-UV-P2300-55-VDIM-LT2 LED driver set at 1,670mA

[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	13028
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	86.7
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)	8.00 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	10209	9503	9686
55	9177	8568	8980
65	7970	7544	8253
75	6352	6434	7500
85	3443	5364	6888

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 8 HI UV FA 940.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1488.46	N.A.	11.40
0-30	3141.5	N.A.	24.10
0-40	5107.14	N.A.	39.20
0-60	8946.99	N.A.	68.70
0-80	11382.76	N.A.	87.40
0-90	11911.41	N.A.	91.40
10-90	11524.82	N.A.	88.50
20-40	3618.68	N.A.	27.80
20-50	5633.39	N.A.	43.20
40-70	5293.67	N.A.	40.60
60-80	2435.77	N.A.	18.70
70-80	981.96	N.A.	7.50
80-90	528.65	N.A.	4.10
90-110	532.08	N.A.	4.10
90-120	721.61	N.A.	5.50
90-130	871.56	N.A.	6.70
90-150	1053.63	N.A.	8.10
90-180	1116.7	N.A.	8.60
110-180	584.62	N.A.	4.50
0-180	13028.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	386.59
10-20	1101.86
20-30	1653.05
30-40	1965.63
40-50	2014.71
50-60	1825.14
60-70	1453.82
70-80	981.96
80-90	528.65
90-100	297.68
100-110	234.41
110-120	189.53
120-130	149.96
130-140	110.25
140-150	71.81
150-160	40.01
160-170	18.23
170-180	4.83

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 8 HI UV FA 940.IES**

**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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 8 HI UV FA 940.IES**

**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	17.6	19.1	18.1	19.6	20.1	19.9	21.4	20.4	21.9	22.4
	3H	19.0	20.3	19.5	20.9	21.4	22.2	23.6	22.8	24.1	24.6
	4H	19.5	20.7	20.0	21.2	21.8	23.3	24.6	23.8	25.1	25.7
	6H	19.7	20.9	20.3	21.4	22.0	24.4	25.5	24.9	26.1	26.7
	8H	19.8	20.9	20.3	21.4	22.0	24.9	26.0	25.5	26.6	27.2
	12H	19.8	20.8	20.3	21.4	22.0	25.5	26.6	26.0	27.1	27.7

UGR Viewed Endwise

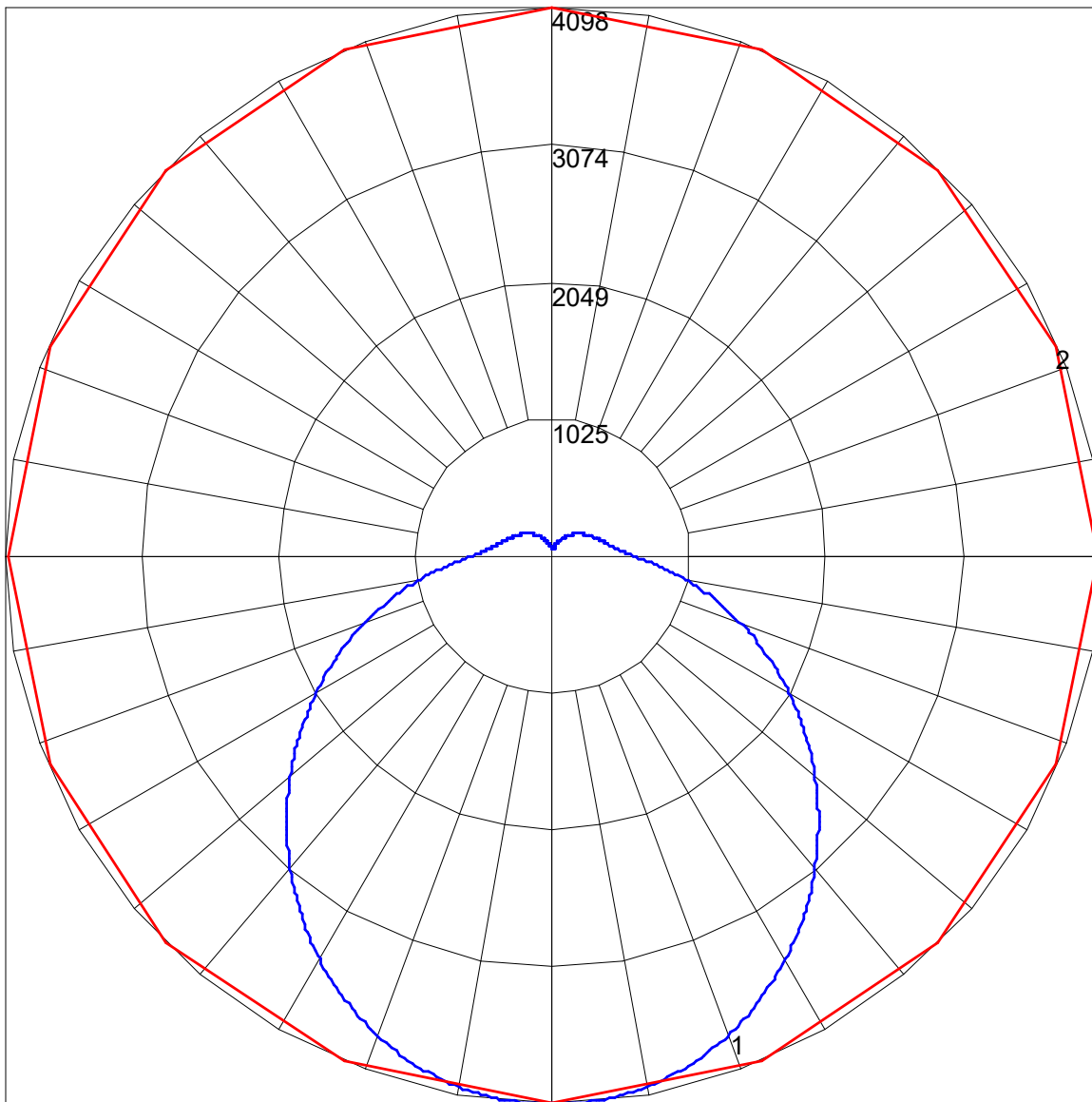
4H	2H	18.5	19.7	19.0	20.3	20.8	20.3	21.6	20.8	22.1	22.7
	3H	20.1	21.2	20.7	21.8	22.4	22.9	23.9	23.4	24.5	25.1
	4H	20.7	21.6	21.2	22.2	22.9	24.1	25.1	24.7	25.6	26.3
	6H	21.0	21.9	21.6	22.5	23.1	25.3	26.2	25.9	26.8	27.5
	8H	21.1	21.9	21.7	22.5	23.2	26.0	26.8	26.6	27.4	28.0
	12H	21.2	21.9	21.8	22.5	23.2	26.7	27.4	27.3	28.0	28.7

8H	4H	21.3	22.1	21.9	22.7	23.4	24.3	25.1	24.9	25.7	26.3
	6H	21.8	22.5	22.5	23.1	23.8	25.7	26.4	26.3	27.0	27.7
	8H	22.0	22.6	22.6	23.2	23.9	26.4	27.1	27.1	27.7	28.4
	12H	22.1	22.6	22.7	23.2	24.0	27.3	27.9	28.0	28.5	29.2

12H	4H	21.5	22.2	22.1	22.8	23.5	24.3	25.0	24.9	25.6	26.3
	6H	22.1	22.7	22.7	23.3	24.0	25.7	26.3	26.4	26.9	27.7
	8H	22.3	22.8	22.9	23.5	24.2	26.5	27.1	27.2	27.7	28.5

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 4098.204 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.)