



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 VL UV FA 940.IES

### DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 4 VL 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] Two CL116-4000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 560mA

[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	4387
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	27.8
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)	4.00 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	6778	6346	6522
55	6058	5705	6047
65	5211	5004	5558
75	4070	4240	5050
85	2032	3487	4638

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 4 VL UV FA 940.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	501.17	N.A.	11.40
0-30	1057.76	N.A.	24.10
0-40	1719.59	N.A.	39.20
0-60	3012.49	N.A.	68.70
0-80	3832.62	N.A.	87.40
0-90	4010.62	N.A.	91.40
10-90	3880.46	N.A.	88.50
20-40	1218.43	N.A.	27.80
20-50	1896.79	N.A.	43.20
40-70	1782.4	N.A.	40.60
60-80	820.14	N.A.	18.70
70-80	330.63	N.A.	7.50
80-90	178.00	N.A.	4.10
90-110	179.15	N.A.	4.10
90-120	242.97	N.A.	5.50
90-130	293.46	N.A.	6.70
90-150	354.76	N.A.	8.10
90-180	376.00	N.A.	8.60
110-180	196.84	N.A.	4.50
0-180	4386.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	130.17
10-20	371.00
20-30	556.59
30-40	661.84
40-50	678.36
50-60	614.53
60-70	489.51
70-80	330.63
80-90	178.00
90-100	100.23
100-110	78.93
110-120	63.81
120-130	50.49
130-140	37.12
140-150	24.18
150-160	13.47
160-170	6.14
170-180	1.63

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 4 VL 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	72	80	74	69	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	44	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	35	29	24	34	28	23	33	27	23	21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 4 VL UV FA 940.IES**

**UGR TABLE - CORRECTED**

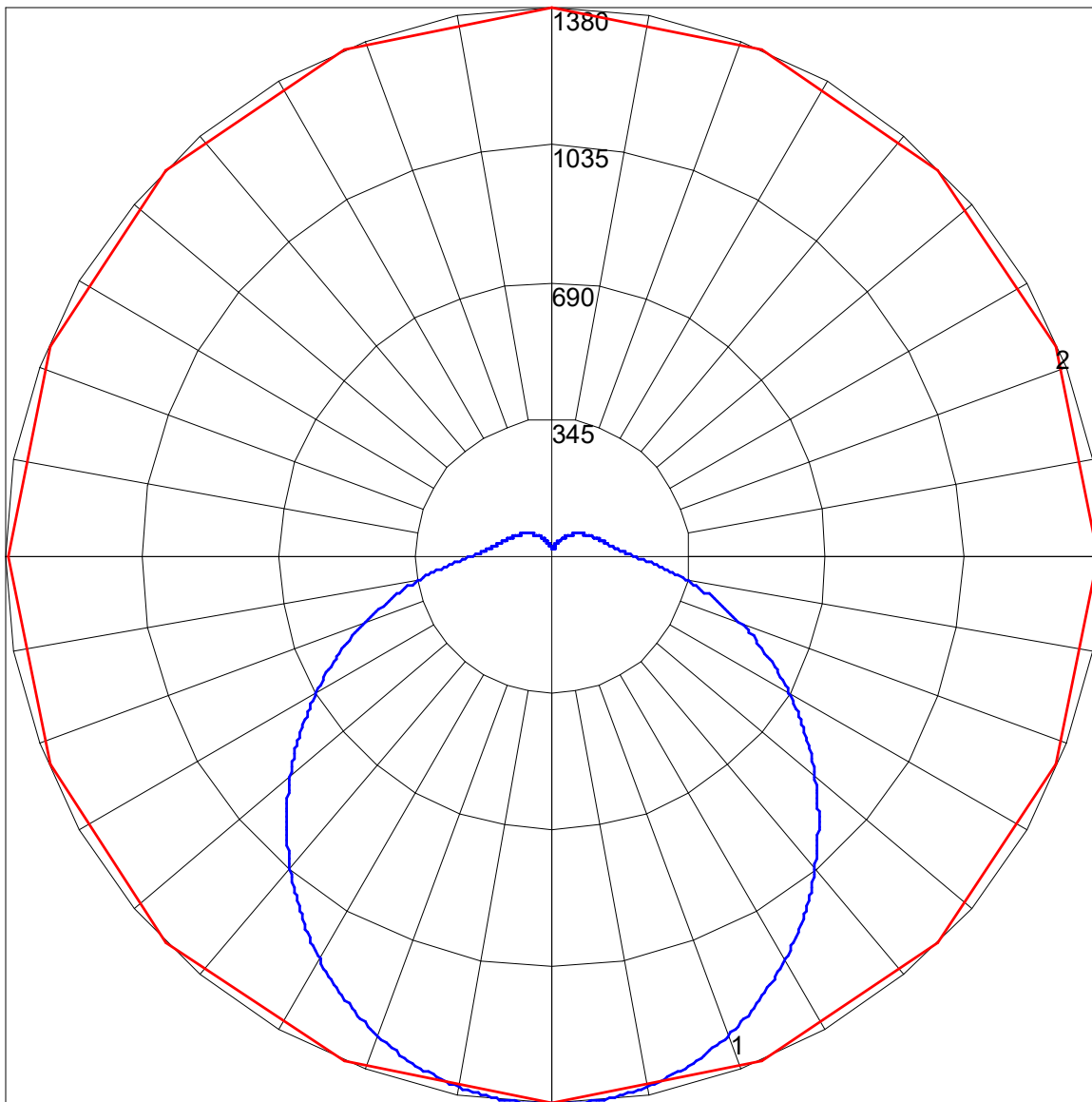
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	16.2	17.7	16.7	18.2	18.7	18.5	19.9	19.0	20.4	21.0
	3H	17.6	18.9	18.1	19.4	20.0	20.8	22.1	21.3	22.6	23.2
	4H	18.0	19.3	18.6	19.8	20.4	21.8	23.1	22.3	23.6	24.2
	6H	18.3	19.5	18.9	20.0	20.6	22.9	24.0	23.4	24.6	25.2
	8H	18.4	19.5	18.9	20.0	20.6	23.4	24.5	23.9	25.0	25.6
	12H	18.4	19.4	18.9	20.0	20.6	23.9	25.0	24.5	25.5	26.2
4H	2H	17.1	18.3	17.6	18.8	19.4	18.9	20.1	19.4	20.6	21.2
	3H	18.7	19.8	19.3	20.3	20.9	21.4	22.4	21.9	23.0	23.6
	4H	19.3	20.2	19.8	20.8	21.4	22.6	23.6	23.2	24.1	24.8
	6H	19.6	20.5	20.2	21.1	21.7	23.8	24.7	24.4	25.3	25.9
	8H	19.7	20.5	20.3	21.1	21.8	24.4	25.2	25.0	25.8	26.5
	12H	19.7	20.5	20.4	21.1	21.8	25.1	25.8	25.7	26.4	27.1
8H	4H	19.9	20.7	20.5	21.3	21.9	22.8	23.6	23.4	24.2	24.8
	6H	20.4	21.1	21.0	21.7	22.4	24.2	24.8	24.8	25.5	26.2
	8H	20.5	21.1	21.2	21.8	22.5	24.9	25.5	25.5	26.2	26.8
	12H	20.6	21.2	21.3	21.8	22.6	25.7	26.3	26.4	26.9	27.7
12H	4H	20.0	20.8	20.6	21.4	22.1	22.8	23.5	23.4	24.1	24.8
	6H	20.6	21.2	21.3	21.9	22.6	24.2	24.8	24.8	25.4	26.2
	8H	20.9	21.4	21.5	22.0	22.8	25.0	25.5	25.6	26.2	26.9

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 1379.883 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.)