

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 SEL15 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 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] Two CL115-4000K-R90-A6 CREE G CLASS PRO 9 28UP LED boards with 28 LEDs each.

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

[OTHER] 120.0Vac, 60.00Hz

### CHARACTERISTICS

Lumens Per Lamp	2077 (1 lamp)
Total Lamp Lumens	2077
Luminaire Lumens	2077
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	13.74
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	3210	3005	3088
55	2868	2701	2863
65	2467	2369	2632
75	1927	2008	2391
85	962	1651	2196

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 4 SEL15 UV FA 940.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	237.31	11.40	11.40
0-30	500.86	24.10	24.10
0-40	814.24	39.20	39.20
0-60	1426.44	68.70	68.70
0-80	1814.78	87.40	87.40
0-90	1899.07	91.40	91.40
10-90	1837.43	88.50	88.50
20-40	576.94	27.80	27.80
20-50	898.15	43.20	43.20
40-70	843.98	40.60	40.60
60-80	388.34	18.70	18.70
70-80	156.56	7.50	7.50
80-90	84.28	4.10	4.10
90-110	84.83	4.10	4.10
90-120	115.05	5.50	5.50
90-130	138.96	6.70	6.70
90-150	167.98	8.10	8.10
90-180	178.04	8.60	8.60
110-180	93.21	4.50	4.50
0-180	2077.11	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	61.64
10-20	175.67
20-30	263.55
30-40	313.39
40-50	321.21
50-60	290.99
60-70	231.79
70-80	156.56
80-90	84.28
90-100	47.46
100-110	37.37
110-120	30.22
120-130	23.91
130-140	17.58
140-150	11.45
150-160	6.38
160-170	2.91
170-180	0.77

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EWL S G2 4 SEL15 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 4 SEL15 UV FA 940.IES**

**UGR TABLE - CORRECTED**

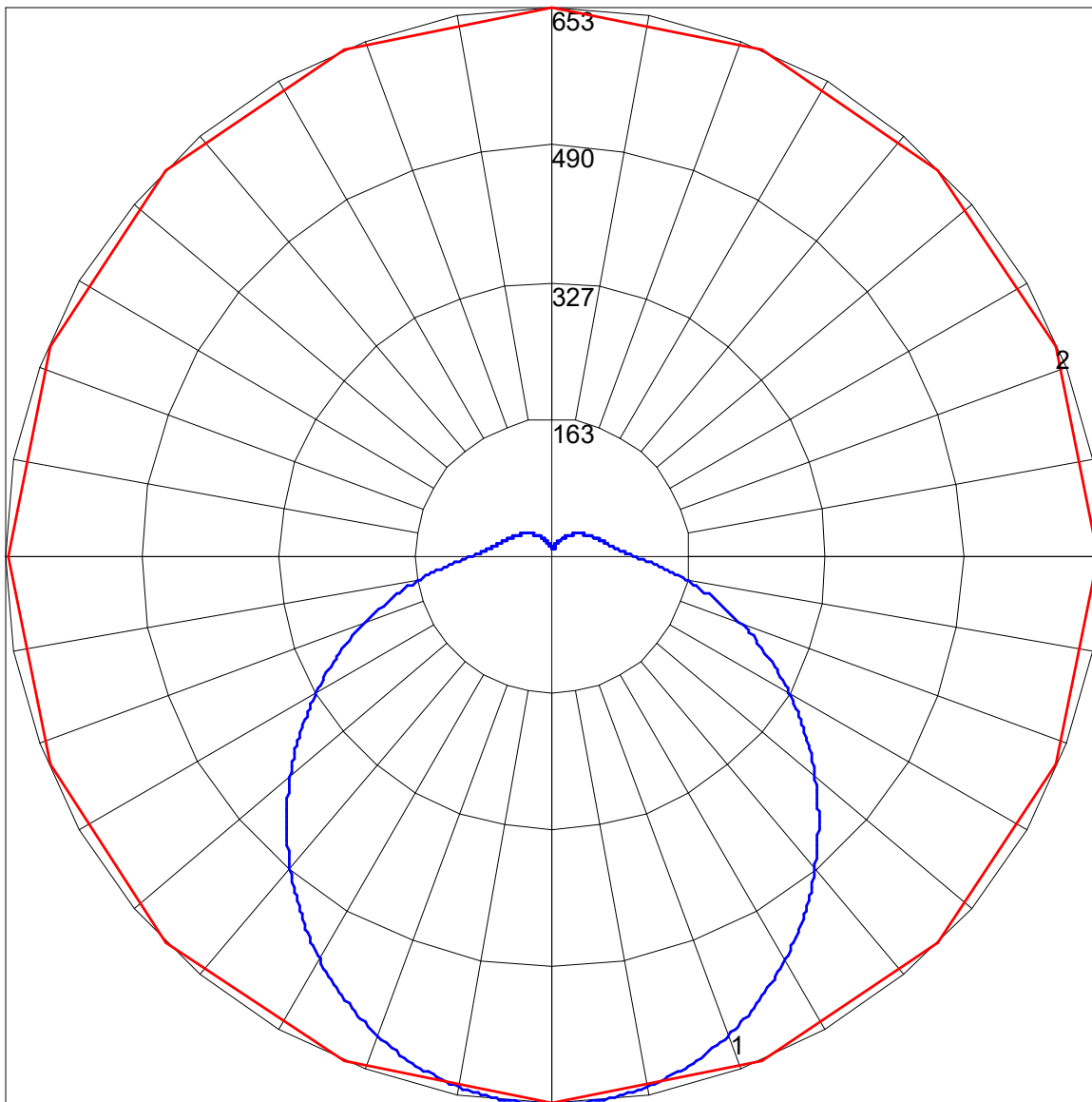
Reflectances

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	13.6	15.1	14.1	15.6	16.1	15.9	17.3	16.4	17.8	18.4
	3H	15.0	16.3	15.5	16.9	17.4	18.2	19.5	18.7	20.0	20.6
	4H	15.5	16.7	16.0	17.2	17.8	19.2	20.5	19.7	21.0	21.6
	6H	15.7	16.9	16.3	17.4	18.0	20.3	21.4	20.8	22.0	22.6
	8H	15.8	16.9	16.3	17.4	18.0	20.8	21.9	21.3	22.4	23.1
	12H	15.8	16.8	16.3	17.4	18.0	21.3	22.4	21.9	22.9	23.6
4H	2H	14.5	15.7	15.0	16.3	16.8	16.3	17.5	16.8	18.0	18.6
	3H	16.1	17.2	16.7	17.7	18.4	18.8	19.9	19.3	20.4	21.0
	4H	16.7	17.6	17.2	18.2	18.8	20.0	21.0	20.6	21.5	22.2
	6H	17.0	17.9	17.6	18.5	19.1	21.2	22.1	21.8	22.7	23.3
	8H	17.1	17.9	17.7	18.5	19.2	21.8	22.7	22.4	23.2	23.9
	12H	17.1	17.9	17.8	18.5	19.2	22.5	23.2	23.1	23.9	24.5
8H	4H	17.3	18.1	17.9	18.7	19.3	20.2	21.0	20.8	21.6	22.2
	6H	17.8	18.5	18.4	19.1	19.8	21.6	22.3	22.2	22.9	23.6
	8H	17.9	18.6	18.6	19.2	19.9	22.3	22.9	23.0	23.6	24.3
	12H	18.0	18.6	18.7	19.2	20.0	23.2	23.7	23.8	24.3	25.1
12H	4H	17.4	18.2	18.1	18.8	19.5	20.2	20.9	20.8	21.5	22.2
	6H	18.0	18.7	18.7	19.3	20.0	21.6	22.2	22.3	22.8	23.6
	8H	18.3	18.8	18.9	19.4	20.2	22.4	22.9	23.0	23.6	24.3

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 653.387 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.)