



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 HI UV FA 950.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 950

[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 CL116-5000K-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	13158
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
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	10311	9598	9783
55	9269	8654	9070
65	8049	7620	8335
75	6416	6499	7575
85	3477	5418	6957

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1503.34	N.A.	11.40
0-30	3172.92	N.A.	24.10
0-40	5158.21	N.A.	39.20
0-60	9036.46	N.A.	68.70
0-80	11496.59	N.A.	87.40
0-90	12030.52	N.A.	91.40
10-90	11640.07	N.A.	88.50
20-40	3654.87	N.A.	27.80
20-50	5689.72	N.A.	43.20
40-70	5346.61	N.A.	40.60
60-80	2460.13	N.A.	18.70
70-80	991.78	N.A.	7.50
80-90	533.93	N.A.	4.10
90-110	537.40	N.A.	4.10
90-120	728.82	N.A.	5.50
90-130	880.28	N.A.	6.70
90-150	1064.16	N.A.	8.10
90-180	1127.87	N.A.	8.60
110-180	590.47	N.A.	4.50
0-180	13158.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	390.46
10-20	1112.88
20-30	1669.58
30-40	1985.29
40-50	2034.86
50-60	1843.39
60-70	1468.36
70-80	991.78
80-90	533.93
90-100	300.65
100-110	236.75
110-120	191.42
120-130	151.46
130-140	111.36
140-150	72.53
150-160	40.41
160-170	18.41
170-180	4.88

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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	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

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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	17.7	19.2	18.2	19.7	20.2	UGR Viewed Endwise			
	3H	19.1	20.5	19.6	21.0	21.5	20.0	21.5	20.5	22.0
	4H	19.6	20.8	20.1	21.3	21.9	22.4	23.7	22.9	24.2
	6H	19.8	21.0	20.4	21.5	22.1	23.4	24.7	23.9	25.2
	8H	19.9	21.0	20.4	21.5	22.1	24.5	25.6	25.0	26.2
	12H	19.9	20.9	20.4	21.5	22.1	25.4	26.3	25.6	26.7

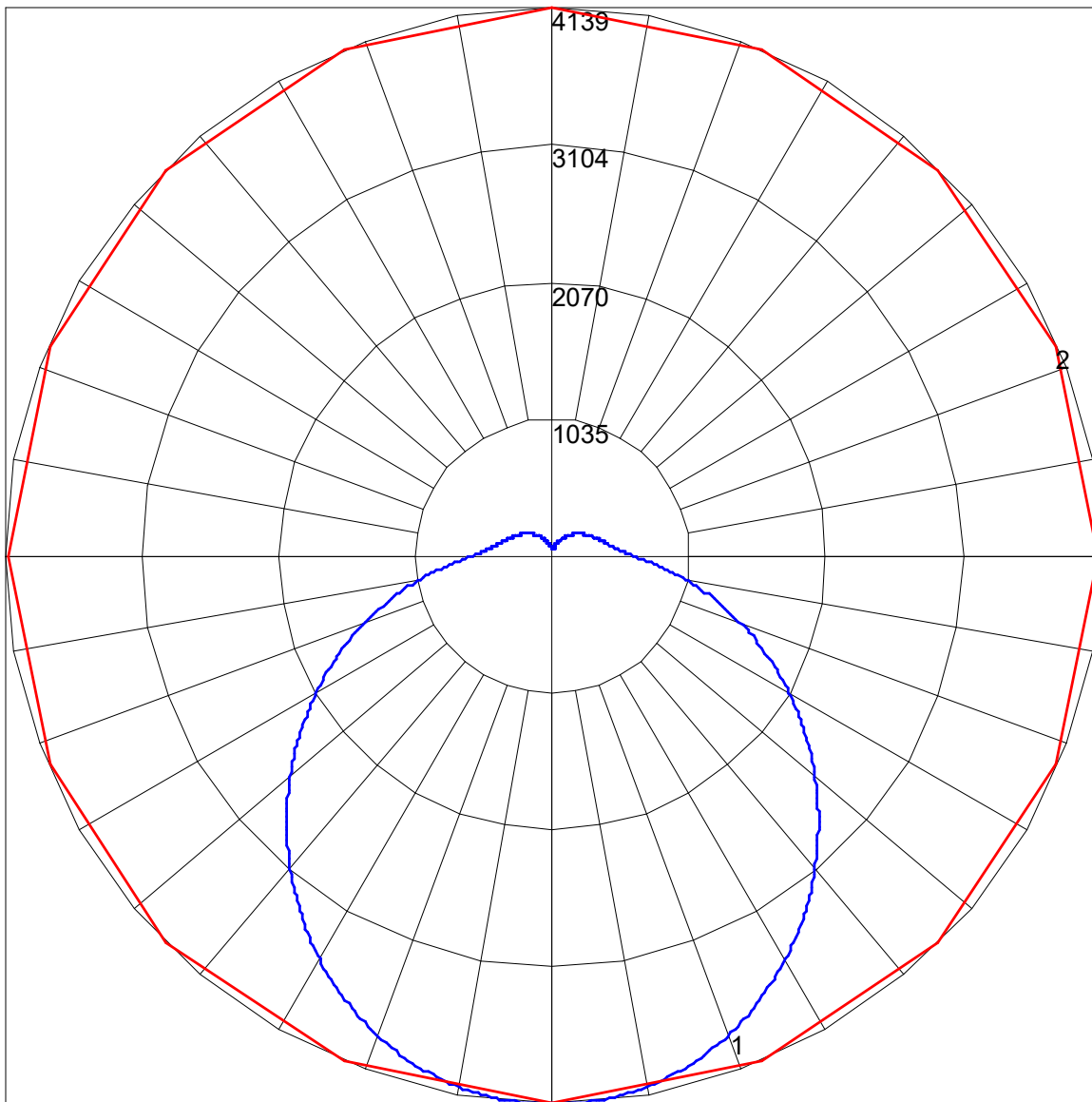
4H	2H	18.6	19.8	19.1	20.4	20.9	25.0	26.1	25.6	26.7
	3H	20.2	21.3	20.8	21.9	22.5	26.1	26.9	26.7	27.5
	4H	20.8	21.7	21.3	22.3	23.0	26.8	27.5	27.4	28.1
	6H	21.1	22.0	21.7	22.6	23.2	27.4	28.0	28.1	28.8
	8H	21.2	22.0	21.8	22.6	23.3				
	12H	21.3	22.0	21.9	22.6	23.3				

8H	4H	21.4	22.2	22.0	22.8	23.5	26.8	27.5	27.4	28.1
	6H	21.9	22.6	22.6	23.2	23.9	27.4	28.0	28.1	28.6
	8H	22.1	22.7	22.7	23.3	24.0	27.4	28.0	28.1	28.6
	12H	22.2	22.7	22.8	23.3	24.1	27.4	28.0	28.1	28.6

12H	4H	21.6	22.3	22.2	22.9	23.6	26.6	27.2	27.3	27.8
	6H	22.2	22.8	22.8	23.4	24.1	26.6	27.2	27.3	27.8
	8H	22.4	22.9	23.0	23.6	24.3	26.6	27.2	27.3	27.8

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 4139.185 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.)