



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 SH 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 SH 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 CL115-5000K-R90-A5 CREE G CLASS PRO 9 84UP LED boards with 84 LEDs each.

[BALLAST] Two Keystone Technologies KTLD-85-UV-P2300-55-VDIM-LT2 LED drivers set at 1,580mA

[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	21843
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	143.2
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	17116	15933	16239
55	15386	14365	15056
65	13362	12649	13837
75	10650	10788	12574
85	5772	8994	11549

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2495.57	N.A.	11.40
0-30	5267.09	N.A.	24.10
0-40	8562.7	N.A.	39.20
0-60	15000.66	N.A.	68.70
0-80	19084.52	N.A.	87.40
0-90	19970.86	N.A.	91.40
10-90	19322.69	N.A.	88.50
20-40	6067.14	N.A.	27.80
20-50	9445.03	N.A.	43.20
40-70	8875.45	N.A.	40.60
60-80	4083.85	N.A.	18.70
70-80	1646.36	N.A.	7.50
80-90	886.34	N.A.	4.10
90-110	892.10	N.A.	4.10
90-120	1209.86	N.A.	5.50
90-130	1461.28	N.A.	6.70
90-150	1766.53	N.A.	8.10
90-180	1872.28	N.A.	8.60
110-180	980.18	N.A.	4.50
0-180	21843.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	648.17
10-20	1847.4
20-30	2771.53
30-40	3295.61
40-50	3377.9
50-60	3060.06
60-70	2437.49
70-80	1646.36
80-90	886.34
90-100	499.09
100-110	393.01
110-120	317.76
120-130	251.42
130-140	184.85
140-150	120.40
150-160	67.08
160-170	30.56
170-180	8.10

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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	19.4	20.9	19.9	21.4	21.9	21.7	23.2	22.2	23.7	24.2
	3H	20.8	22.2	21.3	22.7	23.2	24.1	25.4	24.6	25.9	26.4
	4H	21.3	22.5	21.8	23.0	23.6	25.1	26.4	25.6	26.9	27.5
	6H	21.5	22.7	22.1	23.2	23.8	26.2	27.3	26.7	27.9	28.5
	8H	21.6	22.7	22.1	23.2	23.8	26.7	27.8	27.3	28.4	29.0
	12H	21.6	22.6	22.1	23.2	23.8	27.3	28.4	27.8	28.9	29.5

UGR Viewed Endwise

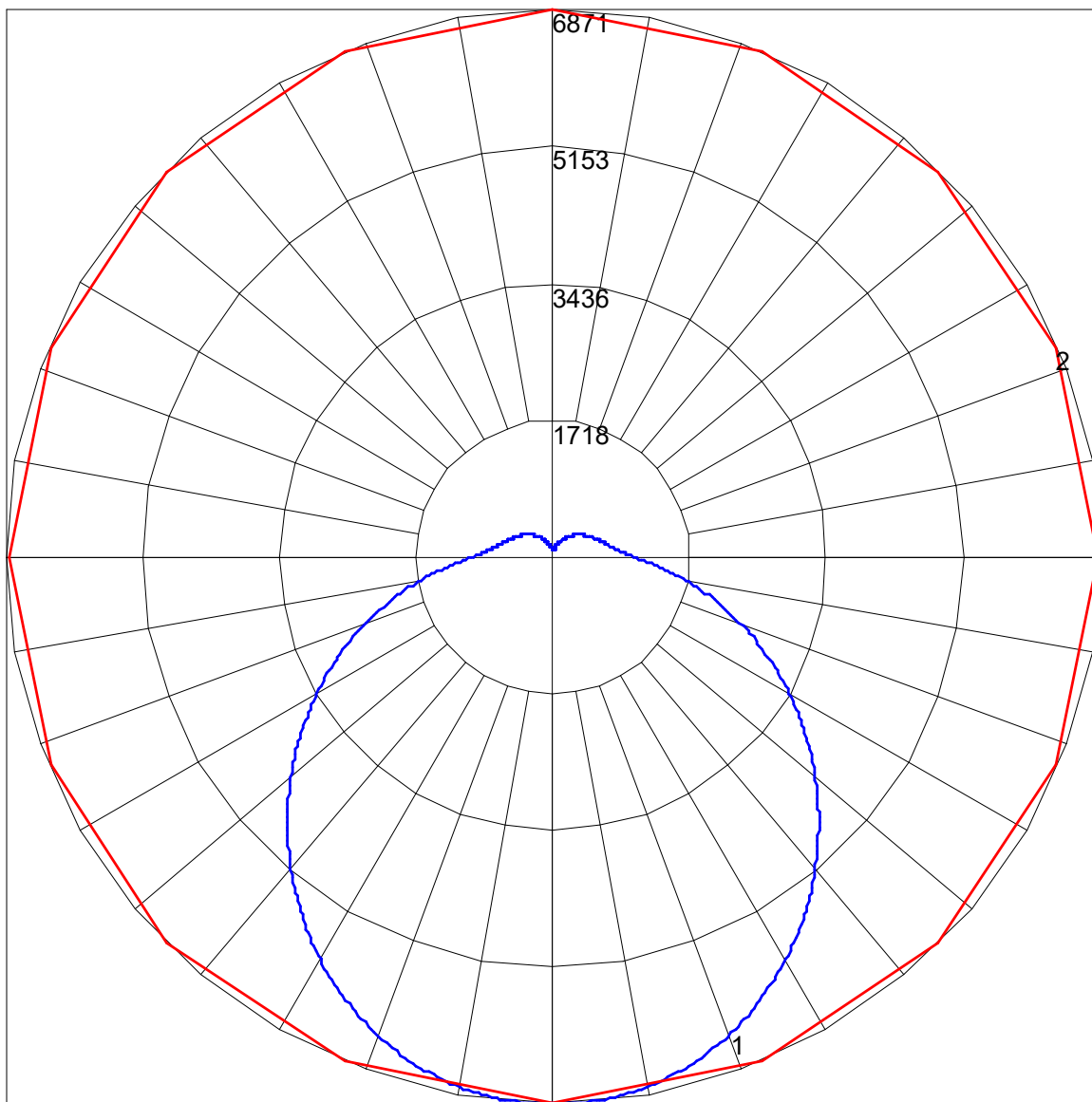
4H	2H	20.3	21.5	20.8	22.1	22.6	22.1	23.4	22.6	23.9	24.5
	3H	21.9	23.0	22.5	23.6	24.2	24.7	25.7	25.2	26.3	26.9
	4H	22.5	23.4	23.0	24.0	24.7	25.9	26.9	26.5	27.4	28.1
	6H	22.8	23.7	23.4	24.3	24.9	27.1	28.0	27.7	28.6	29.3
	8H	22.9	23.7	23.5	24.3	25.0	27.8	28.6	28.4	29.2	29.8
	12H	23.0	23.7	23.6	24.3	25.0	28.5	29.2	29.1	29.8	30.5

8H	4H	23.1	23.9	23.7	24.5	25.2	26.1	26.9	26.7	27.5	28.1
	6H	23.6	24.3	24.3	24.9	25.6	27.5	28.2	28.1	28.8	29.5
	8H	23.8	24.4	24.4	25.0	25.7	28.2	28.9	28.9	29.5	30.2
	12H	23.9	24.4	24.5	25.0	25.8	29.1	29.7	29.8	30.3	31.0

12H	4H	23.3	24.0	23.9	24.6	25.3	26.1	26.8	26.7	27.4	28.1
	6H	23.9	24.5	24.5	25.1	25.8	27.5	28.1	28.2	28.7	29.5
	8H	24.1	24.6	24.7	25.3	26.0	28.3	28.9	29.0	29.5	30.3

Maximum UGR = 31.0

POLAR GRAPH



Maximum Candela = 6871.112 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.)