



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 LW UV FA 930.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 LW UV FA 930

[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 CL116-3000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-50-UV-P1400-55-VDIM-LT1 LED driver set at 1,100mA

[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	8376
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	54.3
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	6563	6109	6227
55	5900	5508	5773
65	5124	4850	5306
75	4084	4137	4822
85	2213	3449	4428

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	956.91	N.A.	11.40
0-30	2019.64	N.A.	24.10
0-40	3283.33	N.A.	39.20
0-60	5751.93	N.A.	68.70
0-80	7317.87	N.A.	87.40
0-90	7657.73	N.A.	91.40
10-90	7409.19	N.A.	88.50
20-40	2326.41	N.A.	27.80
20-50	3621.65	N.A.	43.20
40-70	3403.25	N.A.	40.60
60-80	1565.93	N.A.	18.70
70-80	631.29	N.A.	7.50
80-90	339.86	N.A.	4.10
90-110	342.07	N.A.	4.10
90-120	463.92	N.A.	5.50
90-130	560.32	N.A.	6.70
90-150	677.37	N.A.	8.10
90-180	717.92	N.A.	8.60
110-180	375.85	N.A.	4.50
0-180	8375.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	248.54
10-20	708.38
20-30	1062.73
30-40	1263.69
40-50	1295.24
50-60	1173.37
60-70	934.64
70-80	631.29
80-90	339.86
90-100	191.37
100-110	150.70
110-120	121.85
120-130	96.41
130-140	70.88
140-150	46.16
150-160	25.72
160-170	11.72
170-180	3.11

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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	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

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**UGR TABLE - CORRECTED**

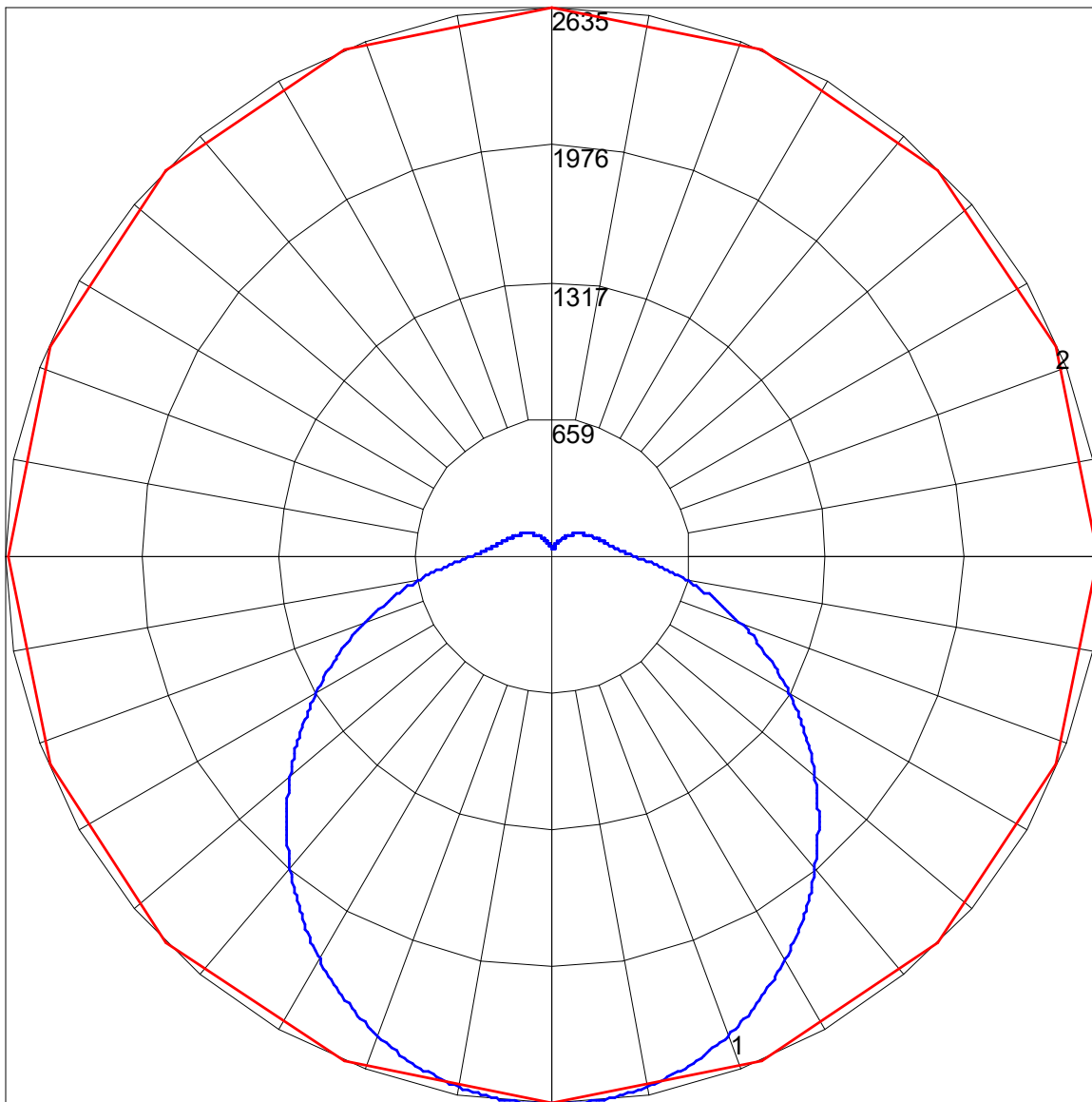
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	16.1	17.6	16.6	18.1	18.6	18.4	19.9	18.9	20.4	20.9
	3H	17.5	18.8	18.0	19.4	19.9	20.7	22.1	21.3	22.6	23.1
	4H	18.0	19.2	18.5	19.7	20.3	21.8	23.1	22.3	23.6	24.2
	6H	18.2	19.4	18.8	19.9	20.5	22.9	24.0	23.4	24.6	25.2
	8H	18.3	19.4	18.8	19.9	20.5	23.4	24.5	24.0	25.1	25.7
	12H	18.3	19.3	18.8	19.9	20.5	24.0	25.1	24.5	25.6	26.2
4H	2H	17.0	18.2	17.5	18.8	19.3	18.8	20.1	19.3	20.6	21.2
	3H	18.6	19.7	19.2	20.3	20.9	21.4	22.4	21.9	23.0	23.6
	4H	19.2	20.1	19.7	20.7	21.4	22.6	23.6	23.2	24.1	24.8
	6H	19.5	20.4	20.1	21.0	21.6	23.8	24.7	24.4	25.3	26.0
	8H	19.6	20.4	20.2	21.0	21.7	24.5	25.3	25.1	25.9	26.5
	12H	19.7	20.4	20.3	21.0	21.7	25.2	25.9	25.8	26.5	27.2
8H	4H	19.8	20.6	20.4	21.2	21.9	22.8	23.6	23.4	24.2	24.8
	6H	20.3	21.0	21.0	21.6	22.3	24.2	24.9	24.8	25.5	26.2
	8H	20.5	21.1	21.1	21.7	22.4	24.9	25.6	25.6	26.2	26.9
	12H	20.6	21.1	21.2	21.7	22.5	25.8	26.4	26.5	27.0	27.7
12H	4H	20.0	20.7	20.6	21.3	22.0	22.8	23.5	23.4	24.1	24.8
	6H	20.6	21.2	21.2	21.8	22.5	24.2	24.8	24.9	25.4	26.2
	8H	20.8	21.3	21.4	22.0	22.7	25.0	25.6	25.7	26.2	27.0

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 2634.695 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.)