



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 SH UV FA 935.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 935

[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 CL115-3500K-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	20978
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
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	16438	15302	15596
55	14777	13796	14460
65	12833	12148	13289
75	10229	10361	12076
85	5544	8638	11091

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2396.73	N.A.	11.40
0-30	5058.5	N.A.	24.10
0-40	8223.59	N.A.	39.20
0-60	14406.58	N.A.	68.70
0-80	18328.7	N.A.	87.40
0-90	19179.93	N.A.	91.40
10-90	18557.44	N.A.	88.50
20-40	5826.85	N.A.	27.80
20-50	9070.97	N.A.	43.20
40-70	8523.95	N.A.	40.60
60-80	3922.12	N.A.	18.70
70-80	1581.16	N.A.	7.50
80-90	851.24	N.A.	4.10
90-110	856.76	N.A.	4.10
90-120	1161.95	N.A.	5.50
90-130	1403.41	N.A.	6.70
90-150	1696.57	N.A.	8.10
90-180	1798.13	N.A.	8.60
110-180	941.36	N.A.	4.50
0-180	20978.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	622.50
10-20	1774.24
20-30	2661.76
30-40	3165.09
40-50	3244.12
50-60	2938.87
60-70	2340.96
70-80	1581.16
80-90	851.24
90-100	479.32
100-110	377.44
110-120	305.18
120-130	241.46
130-140	177.53
140-150	115.63
150-160	64.42
160-170	29.35
170-180	7.78

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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

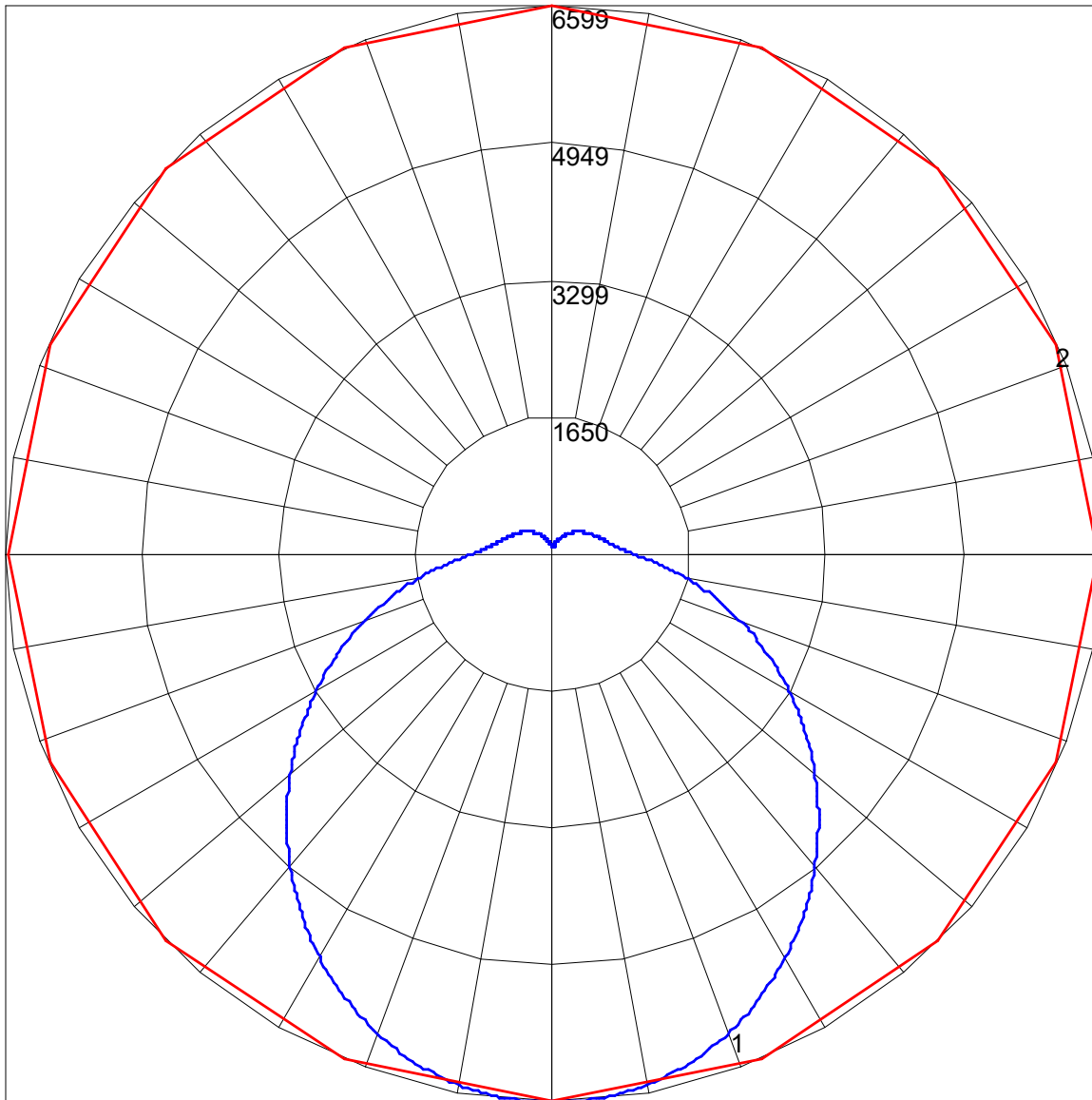
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**UGR TABLE - CORRECTED**

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					UGR Viewed Endwise				
X=2H	Y=2H	19.3	20.8	19.8	21.3	21.8	21.6	23.1	22.1	23.6	24.1
	3H	20.7	22.1	21.2	22.6	23.1	24.0	25.3	24.5	25.8	26.3
	4H	21.2	22.4	21.7	22.9	23.5	25.0	26.3	25.5	26.8	27.4
	6H	21.4	22.6	22.0	23.1	23.7	26.1	27.2	26.6	27.8	28.4
	8H	21.5	22.6	22.0	23.1	23.7	26.6	27.7	27.2	28.3	28.9
	12H	21.5	22.5	22.0	23.1	23.7	27.2	28.3	27.7	28.8	29.4
4H	2H	20.2	21.4	20.7	22.0	22.5	22.0	23.3	22.5	23.8	24.4
	3H	21.8	22.9	22.4	23.5	24.1	24.6	25.6	25.1	26.2	26.8
	4H	22.4	23.3	22.9	23.9	24.6	25.8	26.8	26.4	27.3	28.0
	6H	22.7	23.6	23.3	24.2	24.8	27.0	27.9	27.6	28.5	29.2
	8H	22.8	23.6	23.4	24.2	24.9	27.7	28.5	28.3	29.1	29.7
	12H	22.9	23.6	23.5	24.2	24.9	28.4	29.1	29.0	29.7	30.4
8H	4H	23.0	23.8	23.6	24.4	25.1	26.0	26.8	26.6	27.4	28.0
	6H	23.5	24.2	24.2	24.8	25.5	27.4	28.1	28.0	28.7	29.4
	8H	23.7	24.3	24.3	24.9	25.6	28.1	28.8	28.8	29.4	30.1
	12H	23.8	24.3	24.4	24.9	25.7	29.0	29.6	29.7	30.2	30.9
12H	4H	23.2	23.9	23.8	24.5	25.2	26.0	26.7	26.6	27.3	28.0
	6H	23.8	24.4	24.4	25.0	25.7	27.4	28.0	28.1	28.6	29.4
	8H	24.0	24.5	24.6	25.2	25.9	28.2	28.8	28.9	29.4	30.2

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 6598.99 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.)