



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 HI 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 4 HI 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] Two CL116-3500K-R90-A6 CREE G CLASS PRO 9 64UP LED boards with 64 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	8300
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	55.9
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	12826	12007	12341
55	11462	10795	11442
65	9860	9467	10516
75	7702	8023	9556
85	3844	6598	8777

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	948.27	N.A.	11.40
0-30	2001.41	N.A.	24.10
0-40	3253.69	N.A.	39.20
0-60	5700.00	N.A.	68.70
0-80	7251.8	N.A.	87.40
0-90	7588.6	N.A.	91.40
10-90	7342.3	N.A.	88.50
20-40	2305.41	N.A.	27.80
20-50	3588.96	N.A.	43.20
40-70	3372.53	N.A.	40.60
60-80	1551.8	N.A.	18.70
70-80	625.59	N.A.	7.50
80-90	336.79	N.A.	4.10
90-110	338.98	N.A.	4.10
90-120	459.73	N.A.	5.50
90-130	555.26	N.A.	6.70
90-150	671.25	N.A.	8.10
90-180	711.43	N.A.	8.60
110-180	372.45	N.A.	4.50
0-180	8300.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	246.29
10-20	701.98
20-30	1053.13
30-40	1252.28
40-50	1283.54
50-60	1162.77
60-70	926.21
70-80	625.59
80-90	336.79
90-100	189.64
100-110	149.34
110-120	120.75
120-130	95.54
130-140	70.24
140-150	45.75
150-160	25.49
160-170	11.61
170-180	3.08

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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	18.5	20.0	19.0	20.5	21.0	UGR Viewed Endwise			
	3H	19.9	21.2	20.4	21.7	22.3	20.8	22.2	21.3	22.7
	4H	20.3	21.6	20.9	22.1	22.7	23.1	24.4	23.6	24.9
	6H	20.6	21.8	21.2	22.3	22.9	24.1	25.4	24.6	25.9
	8H	20.7	21.8	21.2	22.3	22.9	25.2	26.3	25.7	26.9
	12H	20.7	21.7	21.2	22.3	22.9	25.7	26.8	26.2	27.3
							26.2	27.3	26.8	27.8

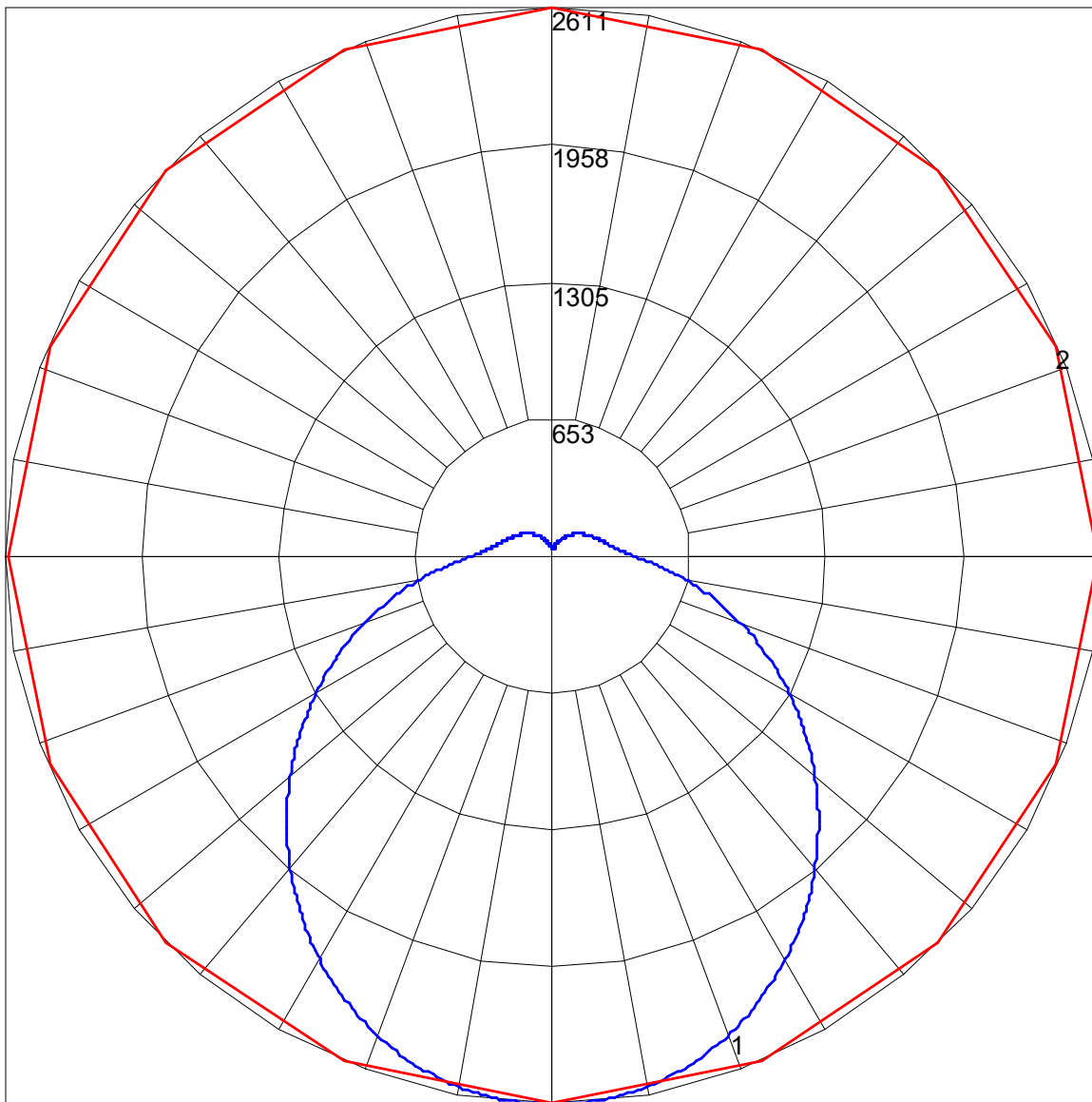
4H	2H	19.4	20.6	19.9	21.1	21.7	21.2	22.4	21.7	22.9
	3H	21.0	22.1	21.6	22.6	23.2	23.7	24.7	24.2	25.3
	4H	21.6	22.5	22.1	23.1	23.7	24.9	25.9	25.5	26.4
	6H	21.9	22.8	22.5	23.4	24.0	26.1	27.0	26.7	27.6
	8H	22.0	22.8	22.6	23.4	24.1	26.7	27.5	27.3	28.1
	12H	22.0	22.8	22.6	23.4	24.1	27.4	28.1	28.0	28.7

8H	4H	22.2	23.0	22.8	23.6	24.2	25.1	25.9	25.7	26.5
	6H	22.7	23.4	23.3	24.0	24.7	26.5	27.1	27.1	27.8
	8H	22.8	23.4	23.5	24.1	24.8	27.2	27.8	27.8	28.5
	12H	22.9	23.5	23.6	24.1	24.9	28.0	28.6	28.7	29.2

12H	4H	22.3	23.1	22.9	23.7	24.4	25.1	25.8	25.7	26.4
	6H	22.9	23.5	23.6	24.2	24.9	26.5	27.1	27.1	27.7
	8H	23.2	23.7	23.8	24.3	25.1	27.3	27.8	27.9	28.5

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 2610.91 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.)