



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 MD 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 4 MD 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] Two 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 840mA

[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	6214
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	42.6
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	9602	8989	9239
55	8581	8081	8566
65	7381	7088	7872
75	5766	6006	7154
85	2878	4940	6570

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	709.92	N.A.	11.40
0-30	1498.33	N.A.	24.10
0-40	2435.84	N.A.	39.20
0-60	4267.25	N.A.	68.70
0-80	5428.99	N.A.	87.40
0-90	5681.13	N.A.	91.40
10-90	5496.74	N.A.	88.50
20-40	1725.92	N.A.	27.80
20-50	2686.84	N.A.	43.20
40-70	2524.81	N.A.	40.60
60-80	1161.74	N.A.	18.70
70-80	468.34	N.A.	7.50
80-90	252.14	N.A.	4.10
90-110	253.78	N.A.	4.10
90-120	344.17	N.A.	5.50
90-130	415.69	N.A.	6.70
90-150	502.53	N.A.	8.10
90-180	532.61	N.A.	8.60
110-180	278.83	N.A.	4.50
0-180	6213.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	184.38
10-20	525.53
20-30	788.42
30-40	937.50
40-50	960.91
50-60	870.50
60-70	693.40
70-80	468.34
80-90	252.14
90-100	141.98
100-110	111.80
110-120	90.39
120-130	71.52
130-140	52.59
140-150	34.25
150-160	19.08
160-170	8.69
170-180	2.31

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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

X=2H	Y=2H	17.5	19.0	18.0	19.5	20.0	UGR Viewed Endwise			
	3H	18.9	20.2	19.4	20.7	21.3	19.8	21.2	20.3	21.7
	4H	19.3	20.6	19.9	21.1	21.7	22.1	23.4	22.6	23.9
	6H	19.6	20.8	20.2	21.3	21.9	23.1	24.4	23.6	24.9
	8H	19.7	20.8	20.2	21.3	21.9	24.2	25.3	24.7	25.9
	12H	19.7	20.7	20.2	21.3	21.9	24.7	25.8	25.2	26.3
							25.2	26.3	25.8	26.8

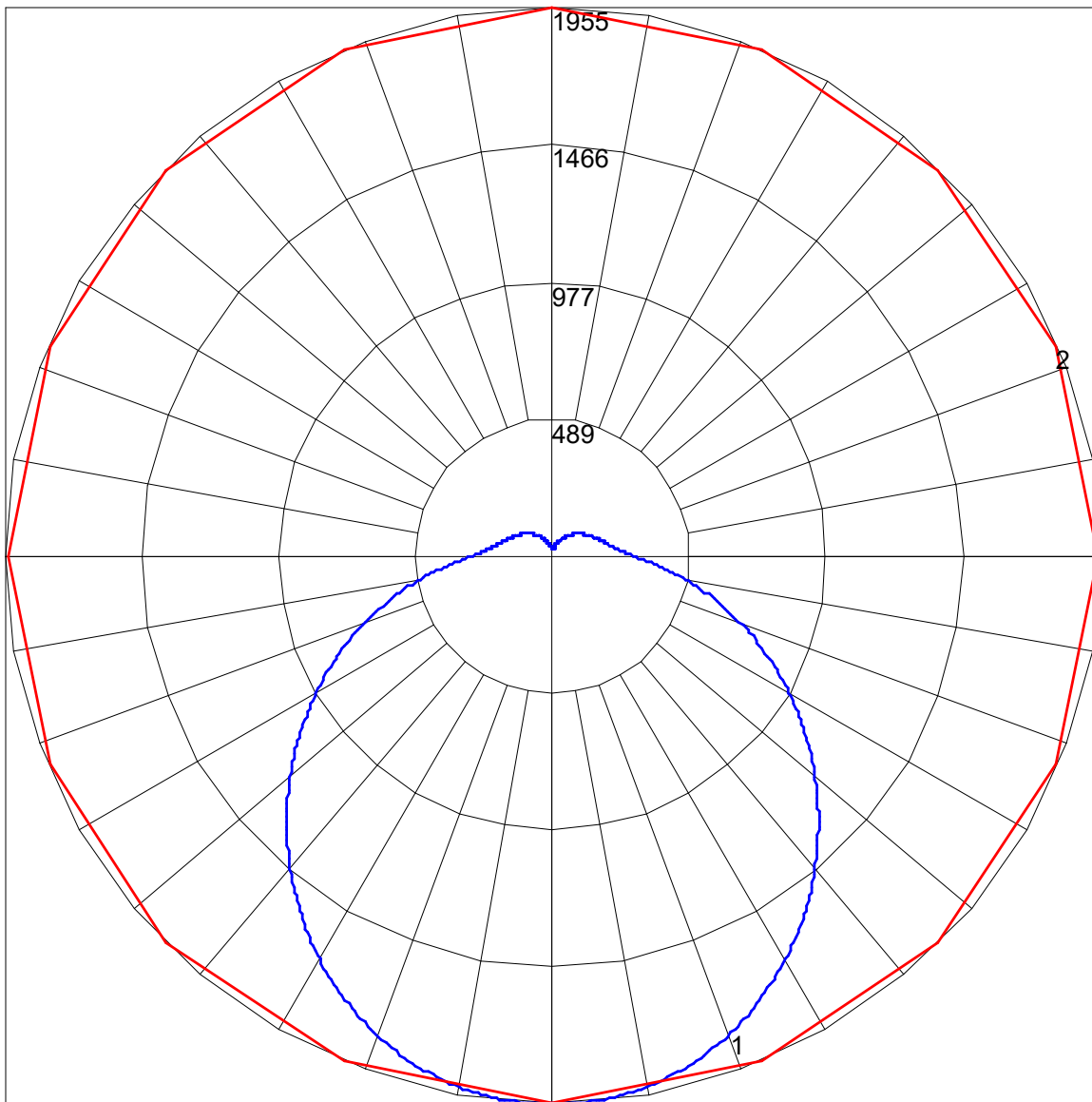
4H	2H	18.4	19.6	18.9	20.1	20.7	20.2	21.4	20.7	21.9
	3H	20.0	21.1	20.6	21.6	22.2	21.7	23.7	23.2	24.3
	4H	20.6	21.5	21.1	22.1	22.7	22.7	24.9	24.5	25.4
	6H	20.9	21.8	21.5	22.4	23.0	23.9	26.0	25.7	26.6
	8H	21.0	21.8	21.6	22.4	23.1	25.1	26.5	26.3	27.1
	12H	21.0	21.8	21.7	22.4	23.1	25.7	26.5	26.3	27.1
							26.4	27.1	27.0	27.7

8H	4H	21.2	22.0	21.8	22.6	23.2	24.1	24.9	24.7	25.5
	6H	21.7	22.4	22.3	23.0	23.7	25.5	26.1	26.1	26.8
	8H	21.8	22.4	22.5	23.1	23.8	26.2	26.8	26.8	27.5
	12H	21.9	22.5	22.6	23.1	23.9	26.2	26.8	26.8	27.5
							27.0	27.6	27.7	28.2

12H	4H	21.3	22.1	21.9	22.7	23.4	24.1	24.8	24.7	25.4
	6H	21.9	22.5	22.6	23.2	23.9	24.1	24.8	24.7	25.4
	8H	22.2	22.7	22.8	23.3	24.1	25.5	26.1	26.1	26.7
							26.3	26.8	26.9	27.5

Maximum UGR = 29.0

POLAR GRAPH



Maximum Candela = 1954.631 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.)