



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 MD UV FA 940.IES

### DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 4 MD UV FA 940

[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 CL116-4000K-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	6473
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
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	10002	9363	9624
55	8939	8418	8923
65	7689	7383	8200
75	6006	6256	7452
85	2998	5146	6844

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	739.50	N.A.	11.40
0-30	1560.76	N.A.	24.10
0-40	2537.33	N.A.	39.20
0-60	4445.05	N.A.	68.70
0-80	5655.19	N.A.	87.40
0-90	5917.84	N.A.	91.40
10-90	5725.77	N.A.	88.50
20-40	1797.84	N.A.	27.80
20-50	2798.79	N.A.	43.20
40-70	2630.01	N.A.	40.60
60-80	1210.14	N.A.	18.70
70-80	487.86	N.A.	7.50
80-90	262.64	N.A.	4.10
90-110	264.35	N.A.	4.10
90-120	358.51	N.A.	5.50
90-130	433.01	N.A.	6.70
90-150	523.46	N.A.	8.10
90-180	554.80	N.A.	8.60
110-180	290.45	N.A.	4.50
0-180	6472.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	192.07
10-20	547.43
20-30	821.27
30-40	976.57
40-50	1000.95
50-60	906.77
60-70	722.29
70-80	487.86
80-90	262.64
90-100	147.89
100-110	116.46
110-120	94.16
120-130	74.50
130-140	54.78
140-150	35.68
150-160	19.88
160-170	9.06
170-180	2.40

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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

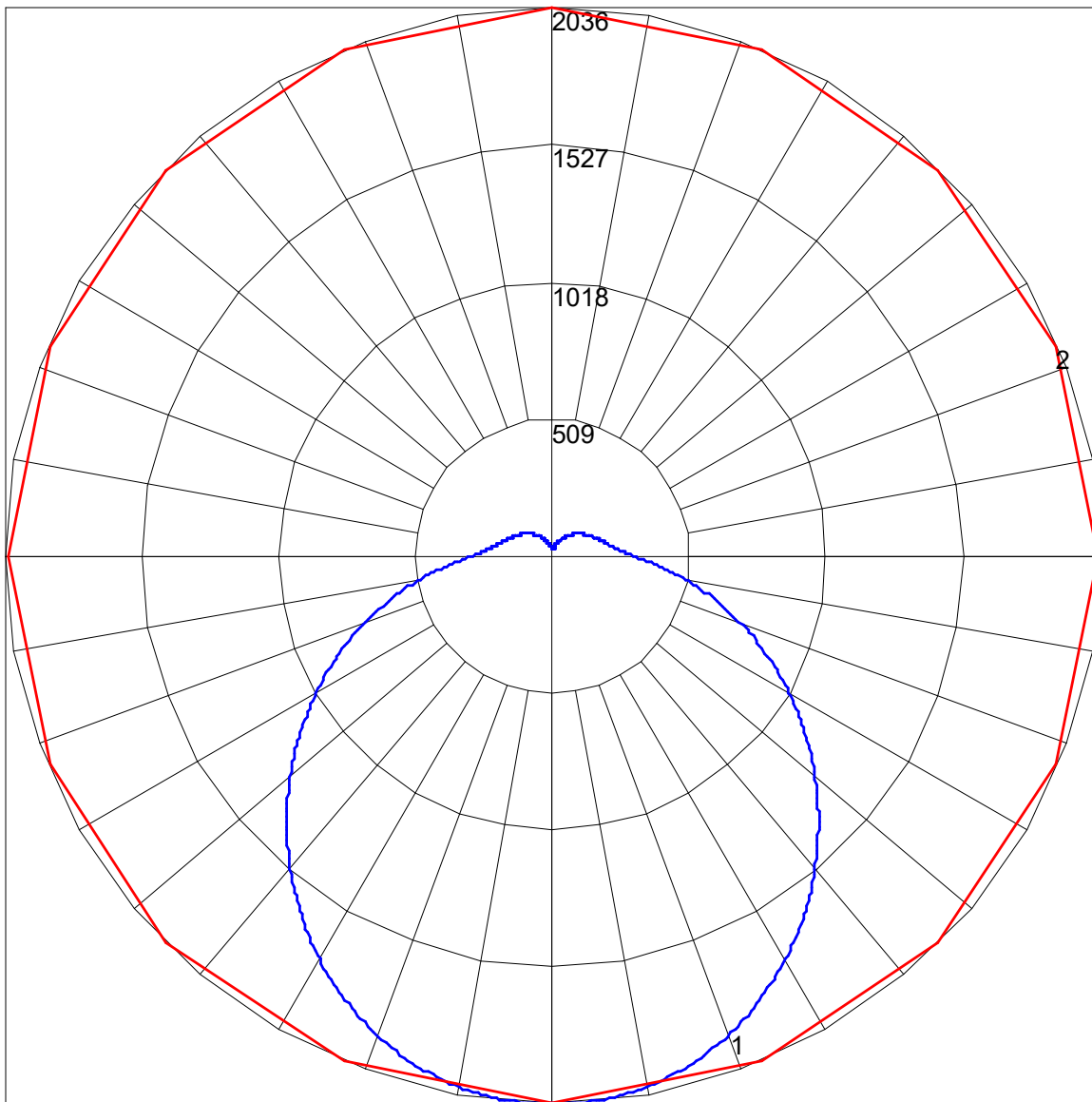
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**UGR TABLE - CORRECTED**

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	17.6	19.1	18.1	19.6	20.1	19.9	21.3	20.4	21.8	22.4
	3H	19.0	20.3	19.5	20.8	21.4	22.2	23.5	22.7	24.0	24.6
	4H	19.4	20.7	20.0	21.2	21.8	23.2	24.5	23.7	25.0	25.6
	6H	19.7	20.9	20.3	21.4	22.0	24.3	25.4	24.8	26.0	26.6
	8H	19.8	20.9	20.3	21.4	22.0	24.8	25.9	25.3	26.4	27.0
	12H	19.8	20.8	20.3	21.4	22.0	25.3	26.4	25.9	26.9	27.6
4H	2H	18.5	19.7	19.0	20.2	20.8	20.3	21.5	20.8	22.0	22.6
	3H	20.1	21.2	20.7	21.7	22.3	22.8	23.8	23.3	24.4	25.0
	4H	20.7	21.6	21.2	22.2	22.8	24.0	25.0	24.6	25.5	26.2
	6H	21.0	21.9	21.6	22.5	23.1	25.2	26.1	25.8	26.7	27.3
	8H	21.1	21.9	21.7	22.5	23.2	25.8	26.6	26.4	27.2	27.9
	12H	21.1	21.9	21.7	22.5	23.2	26.5	27.2	27.1	27.8	28.5
8H	4H	21.3	22.1	21.9	22.7	23.3	24.2	25.0	24.8	25.6	26.2
	6H	21.8	22.5	22.4	23.1	23.8	25.6	26.2	26.2	26.9	27.6
	8H	21.9	22.5	22.6	23.2	23.9	26.3	26.9	26.9	27.6	28.2
	12H	22.0	22.6	22.7	23.2	24.0	27.1	27.7	27.8	28.3	29.1
12H	4H	21.4	22.2	22.0	22.8	23.5	24.2	24.9	24.8	25.5	26.2
	6H	22.0	22.6	22.7	23.3	24.0	25.6	26.2	26.2	26.8	27.5
	8H	22.3	22.8	22.9	23.4	24.2	26.4	26.9	27.0	27.6	28.3

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 2036.073 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.)