



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 SL UV FA 940.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 SL 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-30-UV-P1050-55-VDIM-LT1 LED driver set at 290mA

[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	2305
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	14.8
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	3562	3334	3427
55	3183	2998	3177
65	2738	2629	2920
75	2139	2228	2654
85	1068	1832	2437

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	263.32	N.A.	11.40
0-30	555.77	N.A.	24.10
0-40	903.51	N.A.	39.20
0-60	1582.82	N.A.	68.70
0-80	2013.73	N.A.	87.40
0-90	2107.26	N.A.	91.40
10-90	2038.86	N.A.	88.50
20-40	640.18	N.A.	27.80
20-50	996.61	N.A.	43.20
40-70	936.51	N.A.	40.60
60-80	430.91	N.A.	18.70
70-80	173.72	N.A.	7.50
80-90	93.52	N.A.	4.10
90-110	94.13	N.A.	4.10
90-120	127.66	N.A.	5.50
90-130	154.19	N.A.	6.70
90-150	186.40	N.A.	8.10
90-180	197.56	N.A.	8.60
110-180	103.43	N.A.	4.50
0-180	2304.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	68.39
10-20	194.93
20-30	292.44
30-40	347.74
40-50	356.42
50-60	322.89
60-70	257.20
70-80	173.72
80-90	93.52
90-100	52.66
100-110	41.47
110-120	33.53
120-130	26.53
130-140	19.51
140-150	12.70
150-160	7.08
160-170	3.23
170-180	0.86

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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**

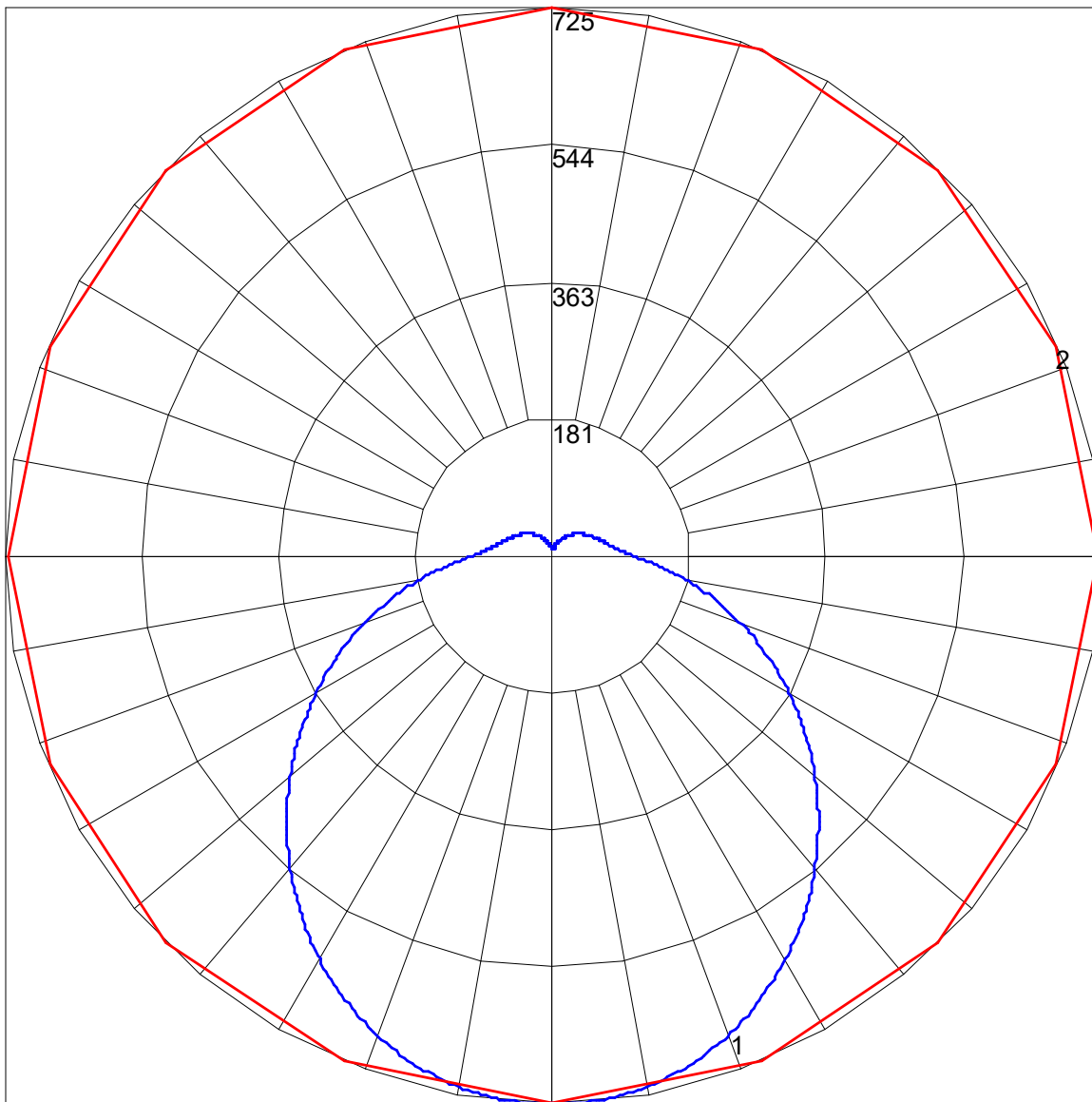
Reflectances

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	14.0	15.5	14.5	16.0	16.5	16.3	17.7	16.8	18.2	18.8
	3H	15.4	16.7	15.9	17.2	17.8	18.6	19.9	19.1	20.4	21.0
	4H	15.8	17.1	16.4	17.6	18.2	19.6	20.9	20.1	21.4	22.0
	6H	16.1	17.3	16.7	17.8	18.4	20.7	21.8	21.2	22.4	23.0
	8H	16.2	17.3	16.7	17.8	18.4	21.2	22.3	21.7	22.8	23.4
	12H	16.2	17.2	16.7	17.8	18.4	21.7	22.8	22.3	23.3	24.0
4H	2H	14.9	16.1	15.4	16.6	17.2	16.7	17.9	17.2	18.4	19.0
	3H	16.5	17.6	17.1	18.1	18.7	19.2	20.2	19.7	20.8	21.4
	4H	17.1	18.0	17.6	18.6	19.2	20.4	21.4	21.0	21.9	22.6
	6H	17.4	18.3	18.0	18.9	19.5	21.6	22.5	22.2	23.1	23.7
	8H	17.5	18.3	18.1	18.9	19.6	22.2	23.0	22.8	23.6	24.3
	12H	17.5	18.3	18.2	18.9	19.6	22.9	23.6	23.5	24.2	24.9
8H	4H	17.7	18.5	18.3	19.1	19.7	20.6	21.4	21.2	22.0	22.6
	6H	18.2	18.9	18.8	19.5	20.2	22.0	22.6	22.6	23.3	24.0
	8H	18.3	18.9	19.0	19.6	20.3	22.7	23.3	23.3	24.0	24.6
	12H	18.4	19.0	19.1	19.6	20.4	23.5	24.1	24.2	24.7	25.5
12H	4H	17.8	18.6	18.4	19.2	19.9	20.6	21.3	21.2	21.9	22.6
	6H	18.4	19.0	19.1	19.7	20.4	22.0	22.6	22.6	23.2	24.0
	8H	18.7	19.2	19.3	19.8	20.6	22.8	23.3	23.4	24.0	24.7

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 725.016 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.)