



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 SL 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 SL 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-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	2213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
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	3419	3201	3290
55	3056	2878	3050
65	2628	2524	2803
75	2053	2139	2547
85	1025	1759	2340

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	252.79	N.A.	11.40
0-30	533.53	N.A.	24.10
0-40	867.37	N.A.	39.20
0-60	1519.51	N.A.	68.70
0-80	1933.18	N.A.	87.40
0-90	2022.97	N.A.	91.40
10-90	1957.31	N.A.	88.50
20-40	614.58	N.A.	27.80
20-50	956.74	N.A.	43.20
40-70	899.05	N.A.	40.60
60-80	413.68	N.A.	18.70
70-80	166.77	N.A.	7.50
80-90	89.78	N.A.	4.10
90-110	90.37	N.A.	4.10
90-120	122.55	N.A.	5.50
90-130	148.02	N.A.	6.70
90-150	178.94	N.A.	8.10
90-180	189.65	N.A.	8.60
110-180	99.29	N.A.	4.50
0-180	2212.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.66
10-20	187.13
20-30	280.74
30-40	333.83
40-50	342.17
50-60	309.97
60-70	246.91
70-80	166.77
80-90	89.78
90-100	50.56
100-110	39.81
110-120	32.19
120-130	25.47
130-140	18.72
140-150	12.20
150-160	6.80
160-170	3.10
170-180	0.82

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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

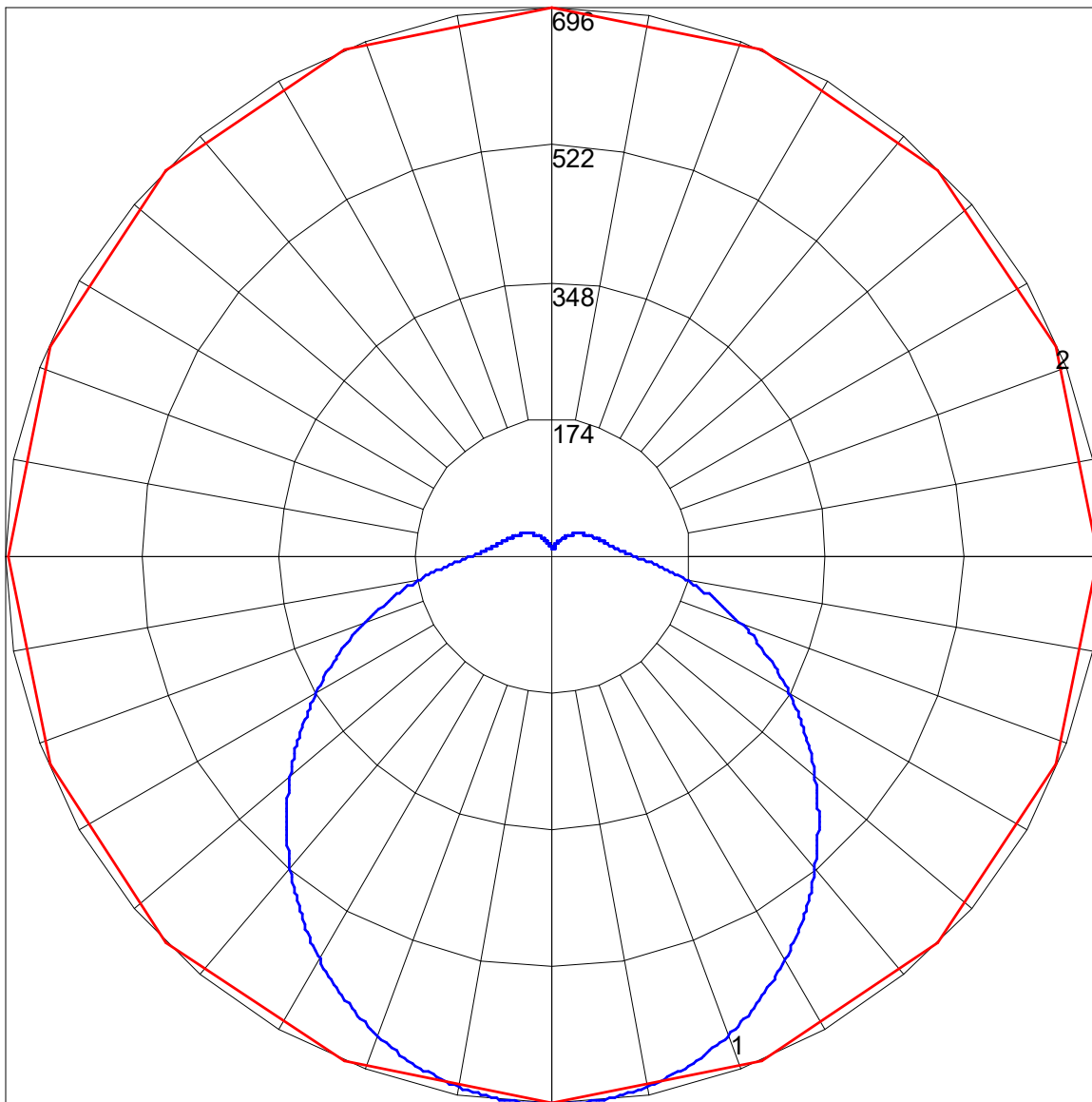
Reflectances

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	13.9	15.4	14.4	15.9	16.4	16.2	17.6	16.7	18.1	18.7
	3H	15.3	16.6	15.8	17.1	17.7	18.5	19.8	19.0	20.3	20.9
	4H	15.7	17.0	16.3	17.5	18.1	19.5	20.8	20.0	21.3	21.9
	6H	16.0	17.2	16.6	17.7	18.3	20.6	21.7	21.1	22.3	22.9
	8H	16.1	17.2	16.6	17.7	18.3	21.1	22.2	21.6	22.7	23.3
	12H	16.1	17.1	16.6	17.7	18.3	21.6	22.7	22.2	23.2	23.9
4H	2H	14.8	16.0	15.3	16.5	17.1	16.6	17.8	17.1	18.3	18.9
	3H	16.4	17.5	17.0	18.0	18.6	19.1	20.1	19.6	20.7	21.3
	4H	17.0	17.9	17.5	18.5	19.1	20.3	21.3	20.9	21.8	22.5
	6H	17.3	18.2	17.9	18.8	19.4	21.5	22.4	22.1	23.0	23.6
	8H	17.4	18.2	18.0	18.8	19.5	22.1	22.9	22.7	23.5	24.2
	12H	17.4	18.2	18.0	18.8	19.5	22.8	23.5	23.4	24.1	24.8
8H	4H	17.6	18.4	18.2	19.0	19.6	20.5	21.3	21.1	21.9	22.5
	6H	18.1	18.8	18.7	19.4	20.1	21.9	22.5	22.5	23.2	23.9
	8H	18.2	18.8	18.9	19.5	20.2	22.6	23.2	23.2	23.9	24.5
	12H	18.3	18.9	19.0	19.5	20.3	23.4	24.0	24.1	24.6	25.4
12H	4H	17.7	18.5	18.3	19.1	19.8	20.5	21.2	21.1	21.8	22.5
	6H	18.3	18.9	19.0	19.6	20.3	21.9	22.5	22.5	23.1	23.9
	8H	18.6	19.1	19.2	19.7	20.5	22.7	23.2	23.3	23.9	24.6

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 696.015 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.)