



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 VL 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 8 VL 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] Four 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 830mA

[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	6367
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	40.8
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)	8.00 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	4989	4645	4734
55	4485	4188	4389
65	3895	3687	4034
75	3105	3145	3665
85	1683	2622	3366

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	727.47	N.A.	11.40
0-30	1535.38	N.A.	24.10
0-40	2496.07	N.A.	39.20
0-60	4372.77	N.A.	68.70
0-80	5563.23	N.A.	87.40
0-90	5821.61	N.A.	91.40
10-90	5632.66	N.A.	88.50
20-40	1768.6	N.A.	27.80
20-50	2753.28	N.A.	43.20
40-70	2587.24	N.A.	40.60
60-80	1190.46	N.A.	18.70
70-80	479.92	N.A.	7.50
80-90	258.37	N.A.	4.10
90-110	260.05	N.A.	4.10
90-120	352.68	N.A.	5.50
90-130	425.97	N.A.	6.70
90-150	514.95	N.A.	8.10
90-180	545.78	N.A.	8.60
110-180	285.73	N.A.	4.50
0-180	6367.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	188.94
10-20	538.53
20-30	807.91
30-40	960.69
40-50	984.67
50-60	892.02
60-70	710.54
70-80	479.92
80-90	258.37
90-100	145.49
100-110	114.56
110-120	92.63
120-130	73.29
130-140	53.89
140-150	35.10
150-160	19.55
160-170	8.91
170-180	2.36

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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

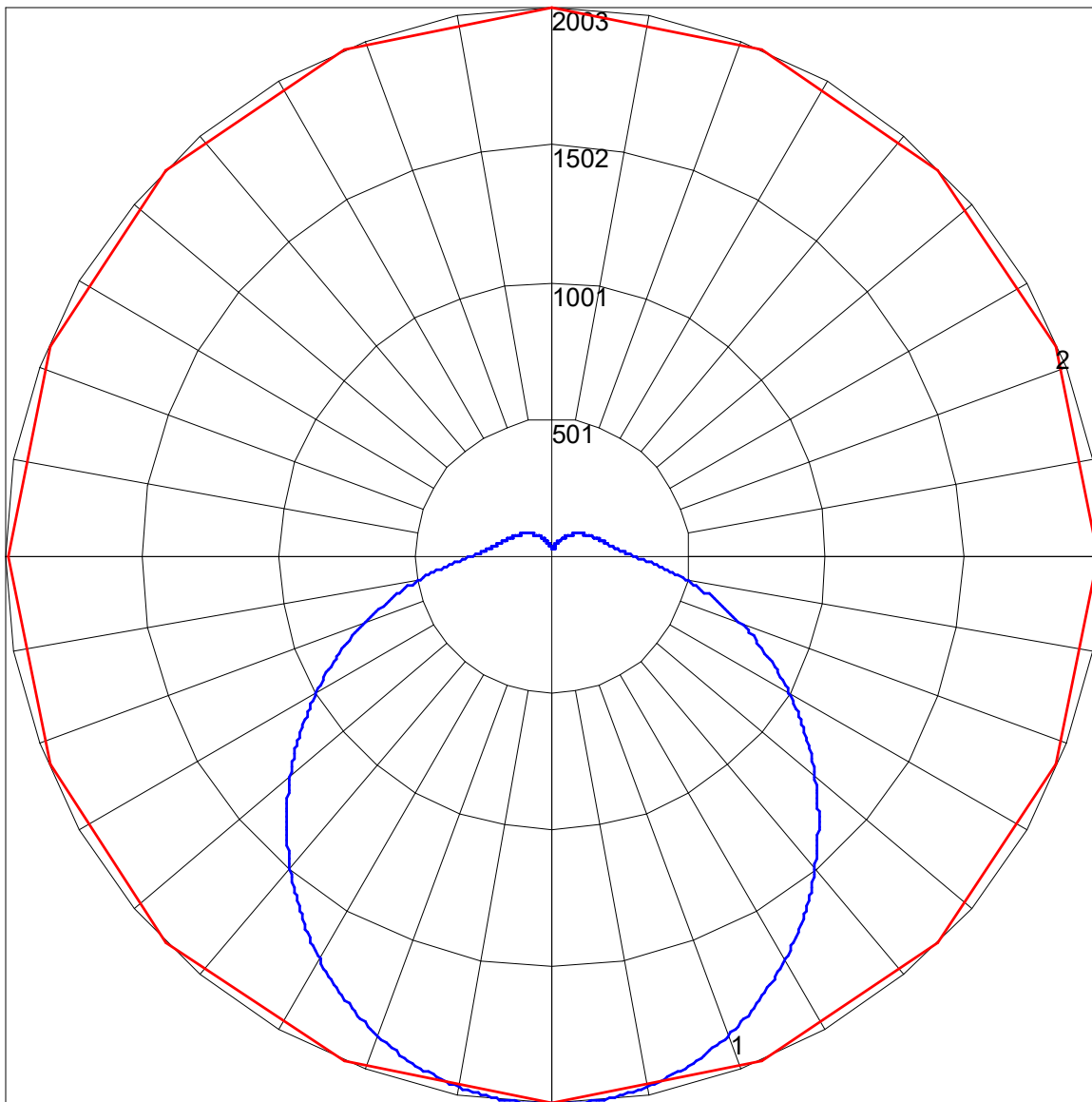
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	15.1	16.6	15.6	17.1	17.6	17.4	18.9	17.9	19.4	19.9
	3H	16.5	17.9	17.0	18.4	18.9	19.8	21.1	20.3	21.6	22.1
	4H	17.0	18.2	17.5	18.7	19.3	20.8	22.1	21.3	22.6	23.2
	6H	17.2	18.4	17.8	18.9	19.5	21.9	23.0	22.4	23.6	24.2
	8H	17.3	18.4	17.8	18.9	19.5	22.4	23.5	23.0	24.1	24.7
	12H	17.3	18.3	17.8	18.9	19.5	23.0	24.1	23.5	24.6	25.2
4H	2H	16.0	17.2	16.5	17.8	18.3	17.8	19.1	18.3	19.6	20.2
	3H	17.6	18.7	18.2	19.3	19.9	20.4	21.4	20.9	22.0	22.6
	4H	18.2	19.1	18.7	19.7	20.4	21.6	22.6	22.2	23.1	23.8
	6H	18.5	19.4	19.1	20.0	20.6	22.8	23.7	23.4	24.3	25.0
	8H	18.6	19.4	19.2	20.0	20.7	23.5	24.3	24.1	24.9	25.5
	12H	18.7	19.4	19.3	20.0	20.7	24.2	24.9	24.8	25.5	26.2
8H	4H	18.8	19.6	19.4	20.2	20.9	21.8	22.6	22.4	23.2	23.8
	6H	19.3	20.0	20.0	20.6	21.3	23.2	23.9	23.8	24.5	25.2
	8H	19.5	20.1	20.1	20.7	21.4	23.9	24.6	24.6	25.2	25.9
	12H	19.6	20.1	20.2	20.7	21.5	24.8	25.4	25.5	26.0	26.7
12H	4H	19.0	19.7	19.6	20.3	21.0	21.8	22.5	22.4	23.1	23.8
	6H	19.6	20.2	20.2	20.8	21.5	23.2	23.8	23.9	24.4	25.2
	8H	19.8	20.3	20.4	21.0	21.7	24.0	24.6	24.7	25.2	26.0

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 2002.964 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.)