



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 HI 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 HI 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-85-UV-P2300-55-VDIM-LT2 LED driver set at 1,670mA

[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	12507
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	86.7
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	9800	9123	9298
55	8810	8225	8621
65	7651	7243	7923
75	6098	6177	7200
85	3305	5150	6612

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1428.92	N.A.	11.40
0-30	3015.84	N.A.	24.10
0-40	4902.85	N.A.	39.20
0-60	8589.11	N.A.	68.70
0-80	10927.45	N.A.	87.40
0-90	11434.95	N.A.	91.40
10-90	11063.83	N.A.	88.50
20-40	3473.93	N.A.	27.80
20-50	5408.06	N.A.	43.20
40-70	5081.92	N.A.	40.60
60-80	2338.34	N.A.	18.70
70-80	942.68	N.A.	7.50
80-90	507.50	N.A.	4.10
90-110	510.80	N.A.	4.10
90-120	692.74	N.A.	5.50
90-130	836.70	N.A.	6.70
90-150	1011.48	N.A.	8.10
90-180	1072.03	N.A.	8.60
110-180	561.23	N.A.	4.50
0-180	12506.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	371.13
10-20	1057.79
20-30	1586.93
30-40	1887.01
40-50	1934.12
50-60	1752.14
60-70	1395.66
70-80	942.68
80-90	507.50
90-100	285.77
100-110	225.03
110-120	181.95
120-130	143.96
130-140	105.84
140-150	68.94
150-160	38.41
160-170	17.50
170-180	4.64

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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	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	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	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

X=2H	Y=2H	17.5	19.0	18.0	19.5	20.0	19.8	21.3	20.3	21.8	22.3
	3H	18.9	20.3	19.4	20.8	21.3	22.2	23.5	22.7	24.0	24.5
	4H	19.4	20.6	19.9	21.1	21.7	23.2	24.5	23.7	25.0	25.6
	6H	19.6	20.8	20.2	21.3	21.9	24.3	25.4	24.8	26.0	26.6
	8H	19.7	20.8	20.2	21.3	21.9	24.8	25.9	25.4	26.5	27.1
	12H	19.7	20.7	20.2	21.3	21.9	25.4	26.5	25.9	27.0	27.6

UGR Viewed Endwise

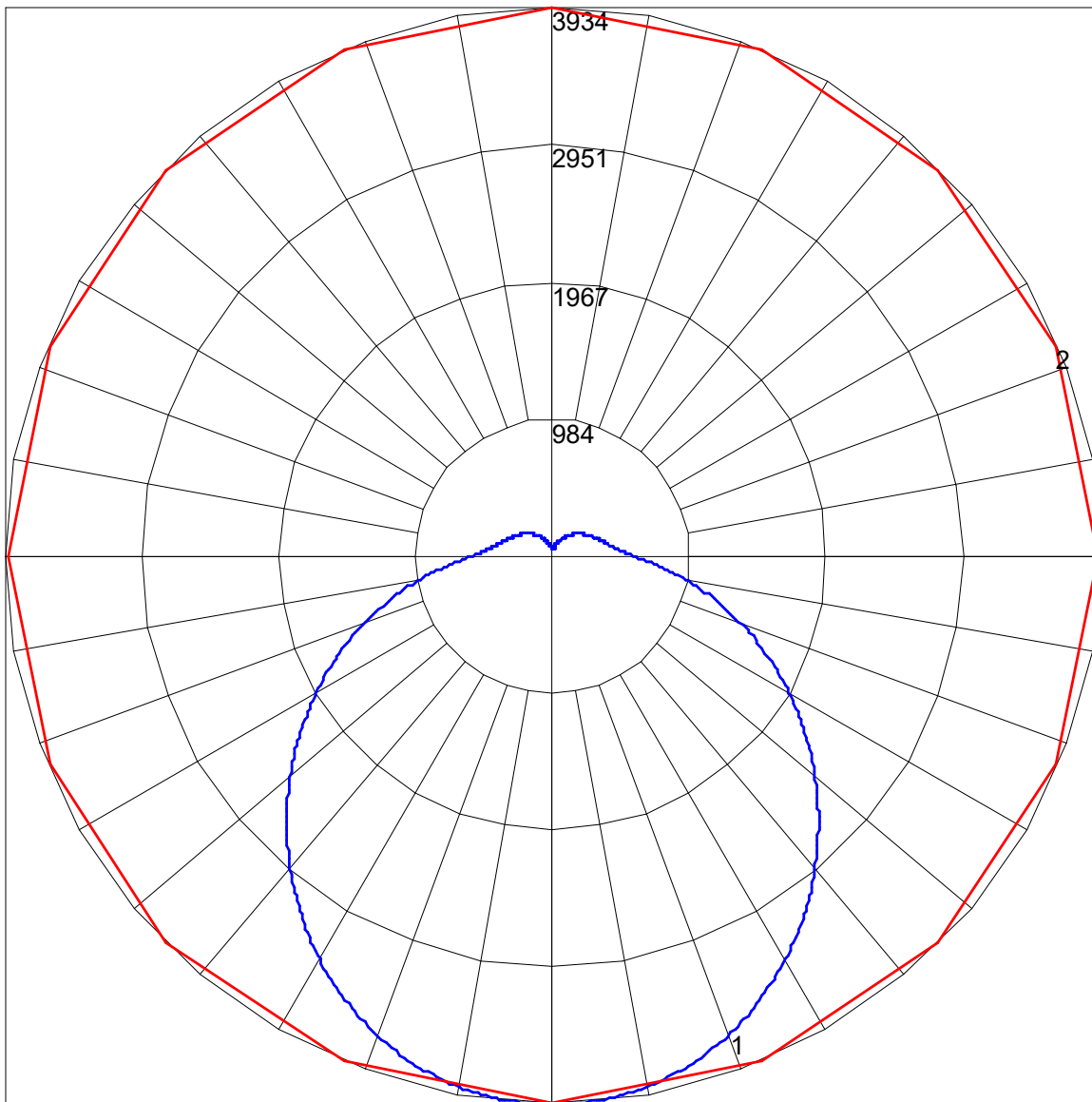
4H	2H	18.4	19.6	18.9	20.2	20.7	20.2	21.5	20.7	22.0	22.6
	3H	20.0	21.1	20.6	21.7	22.3	22.8	23.8	23.3	24.4	25.0
	4H	20.6	21.5	21.1	22.1	22.8	24.0	25.0	24.6	25.5	26.2
	6H	20.9	21.8	21.5	22.4	23.0	25.2	26.1	25.8	26.7	27.4
	8H	21.0	21.8	21.6	22.4	23.1	25.9	26.7	26.5	27.3	27.9
	12H	21.1	21.8	21.7	22.4	23.1	26.6	27.3	27.2	27.9	28.6

8H	4H	21.2	22.0	21.8	22.6	23.3	24.2	25.0	24.8	25.6	26.2
	6H	21.7	22.4	22.4	23.0	23.7	25.6	26.3	26.2	26.9	27.6
	8H	21.9	22.5	22.5	23.1	23.8	26.3	27.0	27.0	27.6	28.3
	12H	22.0	22.5	22.6	23.1	23.9	27.2	27.8	27.9	28.4	29.1

12H	4H	21.4	22.1	22.0	22.7	23.4	24.2	24.9	24.8	25.5	26.2
	6H	22.0	22.6	22.6	23.2	23.9	25.6	26.2	26.3	26.8	27.6
	8H	22.2	22.7	22.8	23.4	24.1	26.4	27.0	27.1	27.6	28.4

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 3934.276 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.)