



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 SL UV FA 935.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 SL UV FA 935

[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 CL116-3500K-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 560mA

[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	4372
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	27.3
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	3426	3189	3250
55	3080	2875	3014
65	2674	2532	2770
75	2132	2159	2517
85	1155	1800	2312

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	499.50	N.A.	11.40
0-30	1054.24	N.A.	24.10
0-40	1713.88	N.A.	39.20
0-60	3002.47	N.A.	68.70
0-80	3819.88	N.A.	87.40
0-90	3997.28	N.A.	91.40
10-90	3867.55	N.A.	88.50
20-40	1214.37	N.A.	27.80
20-50	1890.48	N.A.	43.20
40-70	1776.47	N.A.	40.60
60-80	817.41	N.A.	18.70
70-80	329.53	N.A.	7.50
80-90	177.41	N.A.	4.10
90-110	178.56	N.A.	4.10
90-120	242.16	N.A.	5.50
90-130	292.48	N.A.	6.70
90-150	353.58	N.A.	8.10
90-180	374.75	N.A.	8.60
110-180	196.19	N.A.	4.50
0-180	4372.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.73
10-20	369.77
20-30	554.74
30-40	659.64
40-50	676.11
50-60	612.49
60-70	487.88
70-80	329.53
80-90	177.41
90-100	99.90
100-110	78.66
110-120	63.60
120-130	50.32
130-140	37.00
140-150	24.10
150-160	13.43
160-170	6.12
170-180	1.62

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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

X=2H	Y=2H	13.8	15.3	14.3	15.8	16.3	16.1	17.6	16.6	18.1	18.6
	3H	15.2	16.5	15.7	17.1	17.6	18.4	19.8	19.0	20.3	20.8
	4H	15.7	16.9	16.2	17.4	18.0	19.5	20.8	20.0	21.3	21.9
	6H	15.9	17.1	16.5	17.6	18.2	20.6	21.7	21.1	22.3	22.9
	8H	16.0	17.1	16.5	17.6	18.2	21.1	22.2	21.7	22.8	23.4
	12H	16.0	17.0	16.5	17.6	18.2	21.7	22.8	22.2	23.3	23.9

UGR Viewed Endwise

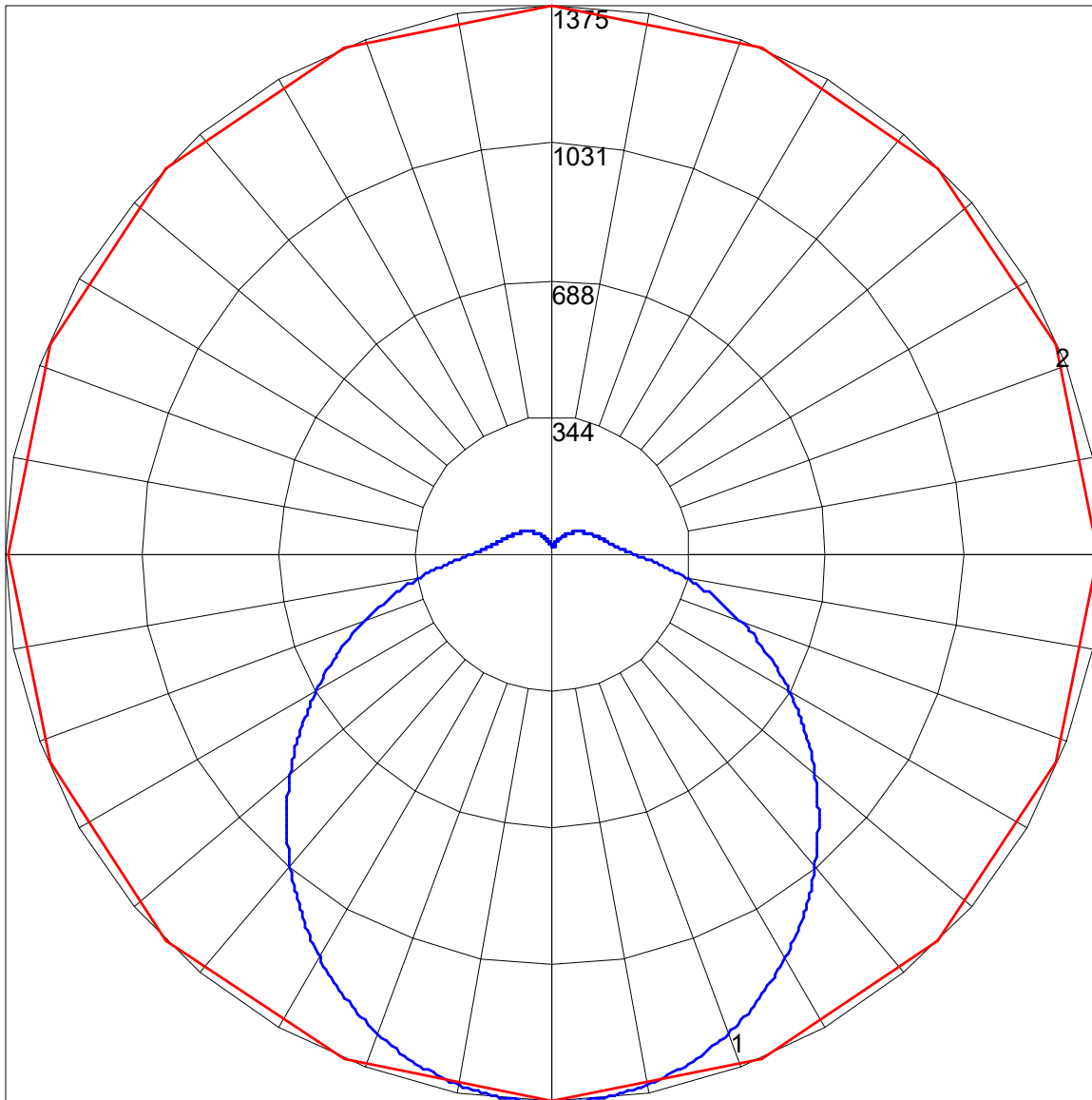
4H	2H	14.7	15.9	15.2	16.5	17.0	16.5	17.8	17.0	18.3	18.9
	3H	16.3	17.4	16.9	18.0	18.6	19.1	20.1	19.6	20.7	21.3
	4H	16.9	17.8	17.4	18.4	19.1	20.3	21.3	20.9	21.8	22.5
	6H	17.2	18.1	17.8	18.7	19.3	21.5	22.4	22.1	23.0	23.7
	8H	17.3	18.1	17.9	18.7	19.4	22.2	23.0	22.8	23.6	24.2
	12H	17.4	18.1	18.0	18.7	19.4	22.9	23.6	23.5	24.2	24.9

8H	4H	17.5	18.3	18.1	18.9	19.6	20.5	21.3	21.1	21.9	22.5
	6H	18.0	18.7	18.7	19.3	20.0	21.9	22.6	22.5	23.2	23.9
	8H	18.2	18.8	18.8	19.4	20.1	22.6	23.3	23.3	23.9	24.6
	12H	18.3	18.8	18.9	19.4	20.2	23.5	24.1	24.2	24.7	25.4

12H	4H	17.7	18.4	18.3	19.0	19.7	20.5	21.2	21.1	21.8	22.5
	6H	18.3	18.9	18.9	19.5	20.2	21.9	22.5	22.6	23.1	23.9
	8H	18.5	19.0	19.1	19.7	20.4	22.7	23.3	23.4	23.9	24.7

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 1375.294 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.)