



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 VL 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 VL 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-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	6434
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
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	5041	4693	4783
55	4532	4231	4435
65	3936	3726	4076
75	3137	3177	3704
85	1700	2649	3402

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	735.05	N.A.	11.40
0-30	1551.38	N.A.	24.10
0-40	2522.07	N.A.	39.20
0-60	4418.32	N.A.	68.70
0-80	5621.18	N.A.	87.40
0-90	5882.25	N.A.	91.40
10-90	5691.34	N.A.	88.50
20-40	1787.02	N.A.	27.80
20-50	2781.95	N.A.	43.20
40-70	2614.19	N.A.	40.60
60-80	1202.87	N.A.	18.70
70-80	484.92	N.A.	7.50
80-90	261.06	N.A.	4.10
90-110	262.76	N.A.	4.10
90-120	356.35	N.A.	5.50
90-130	430.41	N.A.	6.70
90-150	520.32	N.A.	8.10
90-180	551.46	N.A.	8.60
110-180	288.70	N.A.	4.50
0-180	6433.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.91
10-20	544.14
20-30	816.33
30-40	970.69
40-50	994.93
50-60	901.32
60-70	717.94
70-80	484.92
80-90	261.06
90-100	147.00
100-110	115.76
110-120	93.59
120-130	74.05
130-140	54.45
140-150	35.46
150-160	19.76
160-170	9.00
170-180	2.39

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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

X=2H	Y=2H	15.2	16.7	15.7	17.2	17.7	UGR Viewed Endwise			
	3H	16.6	17.9	17.1	18.5	19.0	17.5	19.0	18.0	19.5
	4H	17.1	18.3	17.6	18.8	19.4	19.8	21.2	20.4	21.7
	6H	17.3	18.5	17.9	19.0	19.6	20.9	22.2	21.4	22.7
	8H	17.4	18.5	17.9	19.0	19.6	22.0	23.1	22.5	23.7
	12H	17.4	18.4	17.9	19.0	19.6	22.5	23.6	23.1	24.2
							23.1	24.2	23.6	24.7

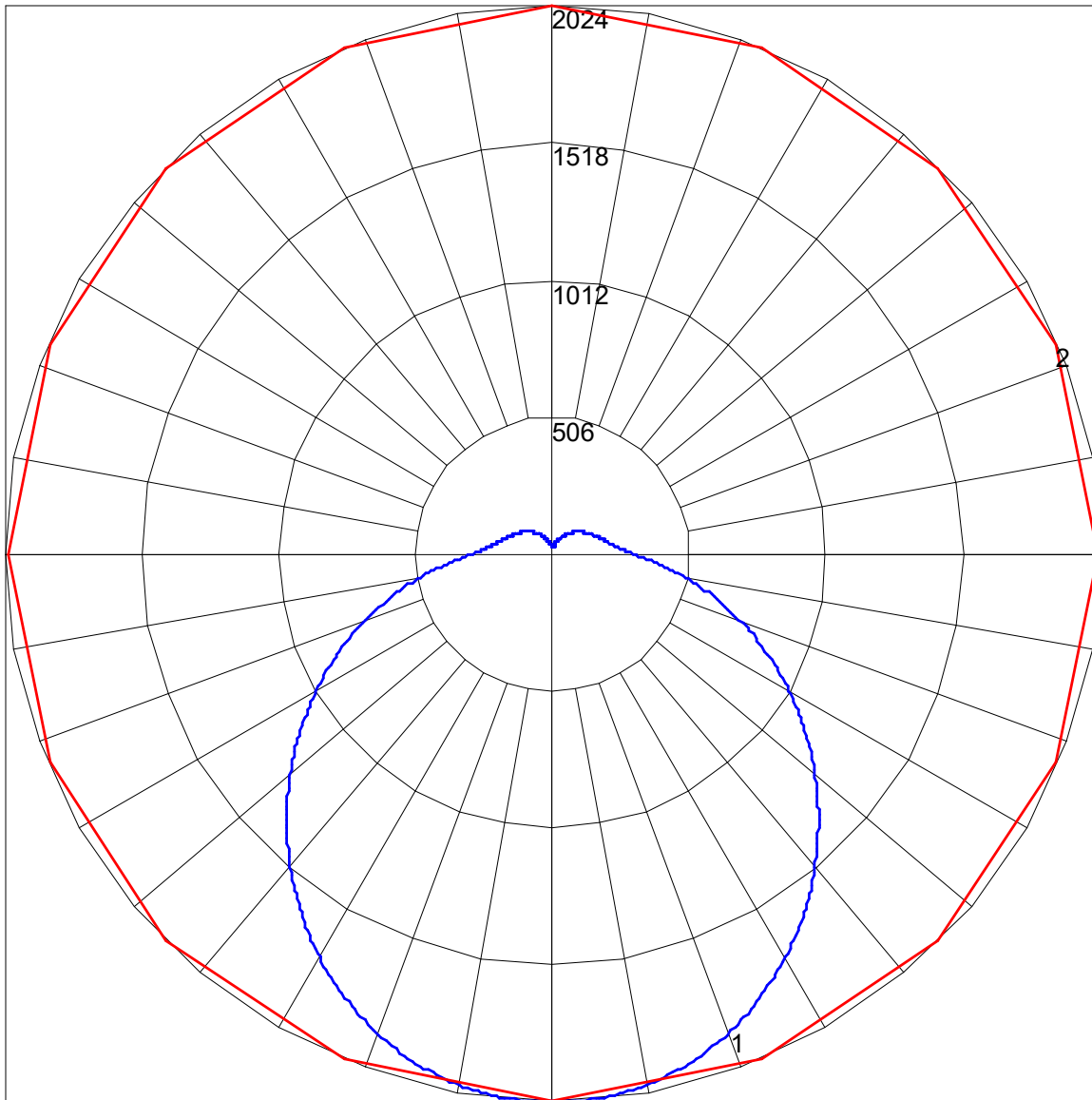
4H	2H	16.1	17.3	16.6	17.9	18.4	17.9	19.2	18.4	19.7
	3H	17.7	18.8	18.3	19.4	20.0	20.5	21.5	21.0	22.1
	4H	18.3	19.2	18.8	19.8	20.5	21.7	22.7	22.3	23.2
	6H	18.6	19.5	19.2	20.1	20.7	22.9	23.8	23.5	24.4
	8H	18.7	19.5	19.3	20.1	20.8	23.6	24.4	24.2	25.0
	12H	18.8	19.5	19.4	20.1	20.8	24.3	25.0	24.9	25.6

8H	4H	18.9	19.7	19.5	20.3	21.0	21.9	22.7	22.5	23.3
	6H	19.4	20.1	20.1	20.7	21.4	23.3	24.0	23.9	24.6
	8H	19.6	20.2	20.2	20.8	21.5	24.0	24.7	24.7	25.3
	12H	19.7	20.2	20.3	20.8	21.6	24.9	25.5	25.6	26.1

12H	4H	19.1	19.8	19.7	20.4	21.1	21.9	22.6	22.5	23.2
	6H	19.7	20.3	20.3	20.9	21.6	23.3	23.9	24.0	24.5
	8H	19.9	20.4	20.5	21.1	21.8	24.1	24.7	24.8	25.3

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 2023.829 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.)