



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 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 4 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] Two 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 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	2236
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
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	3455	3234	3324
55	3087	2908	3082
65	2656	2550	2832
75	2075	2161	2574
85	1035	1777	2364

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	255.42	N.A.	11.40
0-30	539.09	N.A.	24.10
0-40	876.40	N.A.	39.20
0-60	1535.33	N.A.	68.70
0-80	1953.32	N.A.	87.40
0-90	2044.04	N.A.	91.40
10-90	1977.7	N.A.	88.50
20-40	620.98	N.A.	27.80
20-50	966.71	N.A.	43.20
40-70	908.41	N.A.	40.60
60-80	417.99	N.A.	18.70
70-80	168.51	N.A.	7.50
80-90	90.72	N.A.	4.10
90-110	91.31	N.A.	4.10
90-120	123.83	N.A.	5.50
90-130	149.56	N.A.	6.70
90-150	180.81	N.A.	8.10
90-180	191.63	N.A.	8.60
110-180	100.32	N.A.	4.50
0-180	2235.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.34
10-20	189.08
20-30	283.67
30-40	337.31
40-50	345.73
50-60	313.20
60-70	249.48
70-80	168.51
80-90	90.72
90-100	51.08
100-110	40.22
110-120	32.52
120-130	25.73
130-140	18.92
140-150	12.32
150-160	6.87
160-170	3.13
170-180	0.83

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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

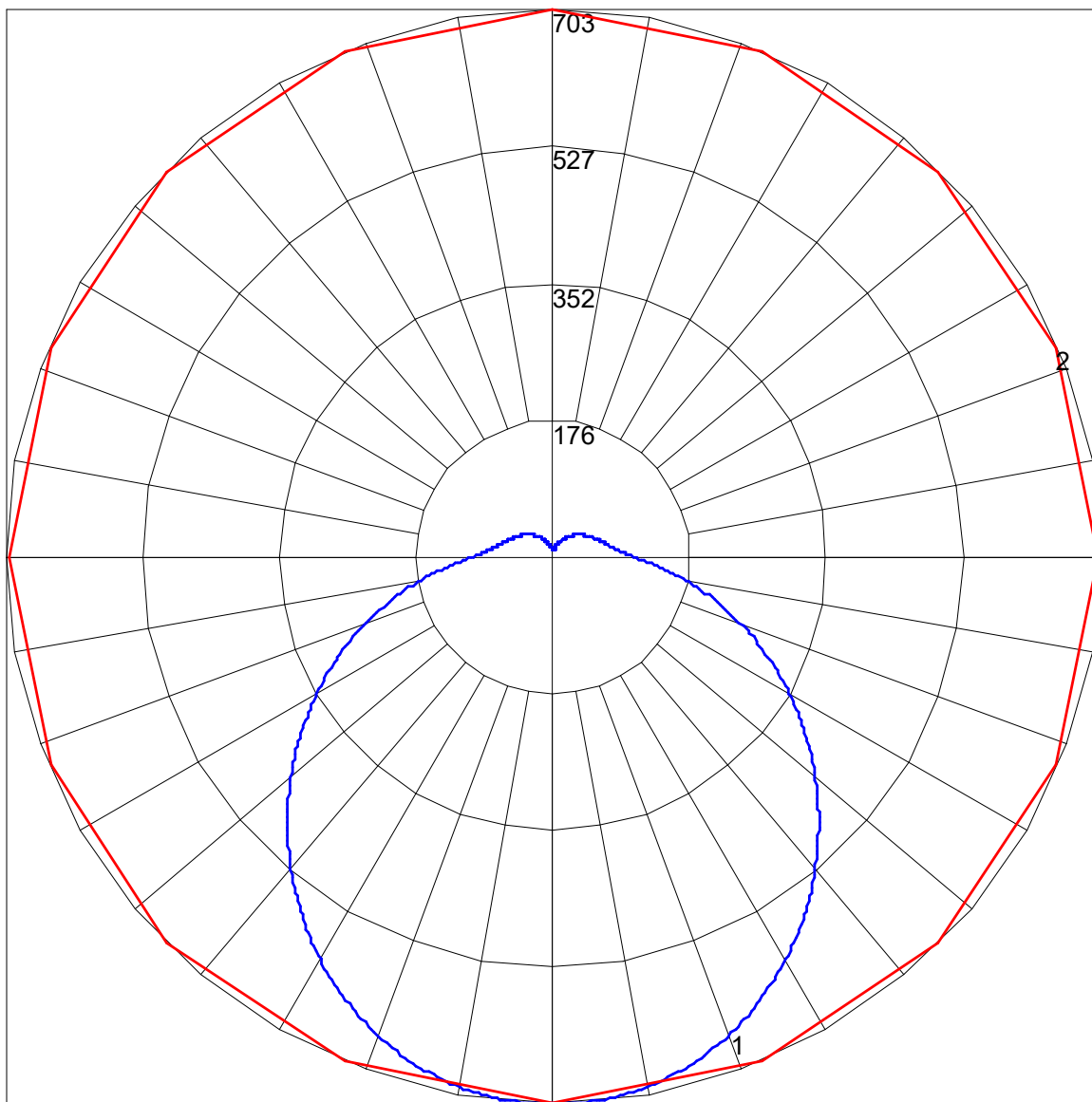
Reflectances

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 = 703.266 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.)