



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 MD 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 MD 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 1,380mA

[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	10423
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	70.8
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	8168	7603	7749
55	7342	6855	7185
65	6376	6036	6603
75	5082	5148	6000
85	2755	4292	5511

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1190.88	N.A.	11.40
0-30	2513.44	N.A.	24.10
0-40	4086.09	N.A.	39.20
0-60	7158.26	N.A.	68.70
0-80	9107.06	N.A.	87.40
0-90	9530.02	N.A.	91.40
10-90	9220.72	N.A.	88.50
20-40	2895.21	N.A.	27.80
20-50	4507.13	N.A.	43.20
40-70	4235.33	N.A.	40.60
60-80	1948.8	N.A.	18.70
70-80	785.64	N.A.	7.50
80-90	422.96	N.A.	4.10
90-110	425.70	N.A.	4.10
90-120	577.34	N.A.	5.50
90-130	697.32	N.A.	6.70
90-150	842.98	N.A.	8.10
90-180	893.44	N.A.	8.60
110-180	467.74	N.A.	4.50
0-180	10423.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	309.30
10-20	881.57
20-30	1322.56
30-40	1572.65
40-50	1611.92
50-60	1460.25
60-70	1163.16
70-80	785.64
80-90	422.96
90-100	238.16
100-110	187.54
110-120	151.64
120-130	119.98
130-140	88.21
140-150	57.45
150-160	32.01
160-170	14.59
170-180	3.87

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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	16.8	18.3	17.3	18.8	19.3	19.1	20.6	19.6	21.1	21.6
	3H	18.2	19.5	18.7	20.1	20.6	21.4	22.8	22.0	23.3	23.8
	4H	18.7	19.9	19.2	20.4	21.0	22.5	23.8	23.0	24.3	24.9
	6H	18.9	20.1	19.5	20.6	21.2	23.6	24.7	24.1	25.3	25.9
	8H	19.0	20.1	19.5	20.6	21.2	24.1	25.2	24.7	25.8	26.4
	12H	19.0	20.0	19.5	20.6	21.2	24.7	25.8	25.2	26.3	26.9

UGR Viewed Endwise

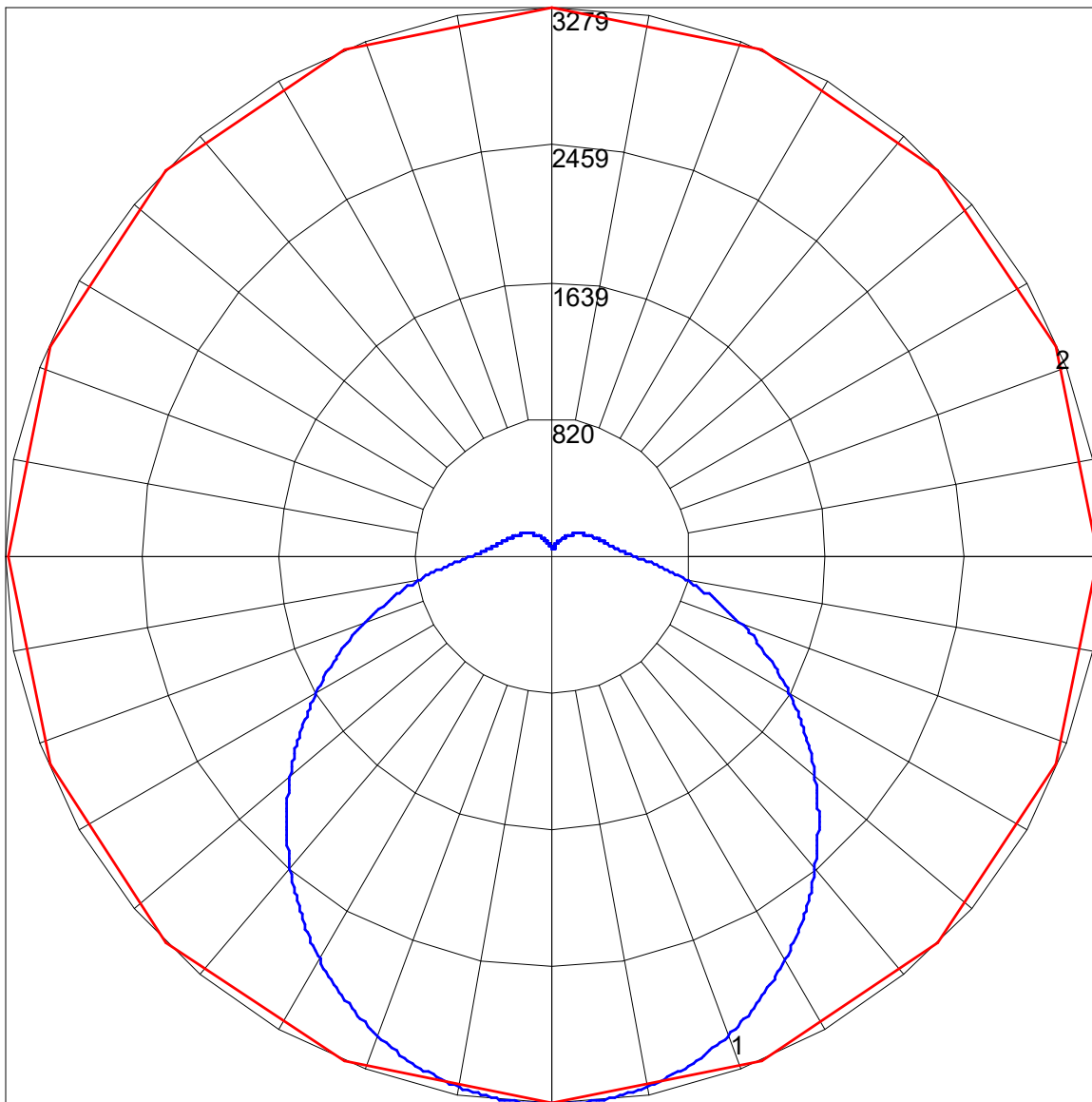
4H	2H	17.7	18.9	18.2	19.5	20.0	19.5	20.8	20.0	21.3	21.9
	3H	19.3	20.4	19.9	21.0	21.6	22.1	23.1	22.6	23.7	24.3
	4H	19.9	20.8	20.4	21.4	22.1	23.3	24.3	23.9	24.8	25.5
	6H	20.2	21.1	20.8	21.7	22.3	24.5	25.4	25.1	26.0	26.7
	8H	20.3	21.1	20.9	21.7	22.4	25.2	26.0	25.8	26.6	27.2
	12H	20.4	21.1	21.0	21.7	22.4	25.9	26.6	26.5	27.2	27.9

8H	4H	20.5	21.3	21.1	21.9	22.6	23.5	24.3	24.1	24.9	25.5
	6H	21.0	21.7	21.7	22.3	23.0	24.9	25.6	25.5	26.2	26.9
	8H	21.2	21.8	21.8	22.4	23.1	25.6	26.3	26.3	26.9	27.6
	12H	21.3	21.8	21.9	22.4	23.2	26.5	27.1	27.2	27.7	28.4

12H	4H	20.7	21.4	21.3	22.0	22.7	23.5	24.2	24.1	24.8	25.5
	6H	21.3	21.9	21.9	22.5	23.2	24.9	25.5	25.6	26.1	26.9
	8H	21.5	22.0	22.1	22.7	23.4	25.7	26.3	26.4	26.9	27.7

Maximum UGR = 28.4

POLAR GRAPH



Maximum Candela = 3278.87 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.)