



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 HI UV FA 950.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 HI UV FA 950

[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 CL116-5000K-R90-A6 CREE G CLASS PRO 9 64UP LED boards with 64 LEDs each.

[BALLAST] One Keystone Technologies KTLD-50-UV-P1400-55-VDIM-LT1 LED driver set at 1,100mA

[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	8642
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	55.9
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	13355	12502	12850
55	11935	11240	11914
65	10266	9858	10949
75	8019	8353	9950
85	4003	6870	9138

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	987.38	N.A.	11.40
0-30	2083.94	N.A.	24.10
0-40	3387.86	N.A.	39.20
0-60	5935.06	N.A.	68.70
0-80	7550.85	N.A.	87.40
0-90	7901.53	N.A.	91.40
10-90	7645.08	N.A.	88.50
20-40	2400.48	N.A.	27.80
20-50	3736.96	N.A.	43.20
40-70	3511.6	N.A.	40.60
60-80	1615.79	N.A.	18.70
70-80	651.39	N.A.	7.50
80-90	350.68	N.A.	4.10
90-110	352.96	N.A.	4.10
90-120	478.68	N.A.	5.50
90-130	578.16	N.A.	6.70
90-150	698.93	N.A.	8.10
90-180	740.77	N.A.	8.60
110-180	387.81	N.A.	4.50
0-180	8642.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	256.45
10-20	730.93
20-30	1096.56
30-40	1303.92
40-50	1336.47
50-60	1210.72
60-70	964.40
70-80	651.39
80-90	350.68
90-100	197.47
100-110	155.49
110-120	125.72
120-130	99.47
130-140	73.14
140-150	47.63
150-160	26.54
160-170	12.09
170-180	3.21

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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	18.6	20.1	19.1	20.6	21.1	20.9	22.3	21.4	22.8	23.4
	3H	20.0	21.3	20.5	21.8	22.4	23.2	24.5	23.7	25.0	25.6
	4H	20.4	21.7	21.0	22.2	22.8	24.2	25.5	24.7	26.0	26.6
	6H	20.7	21.9	21.3	22.4	23.0	25.3	26.4	25.8	27.0	27.6
	8H	20.8	21.9	21.3	22.4	23.0	25.8	26.9	26.3	27.4	28.0
	12H	20.8	21.8	21.3	22.4	23.0	26.3	27.4	26.9	27.9	28.6

UGR Viewed Endwise

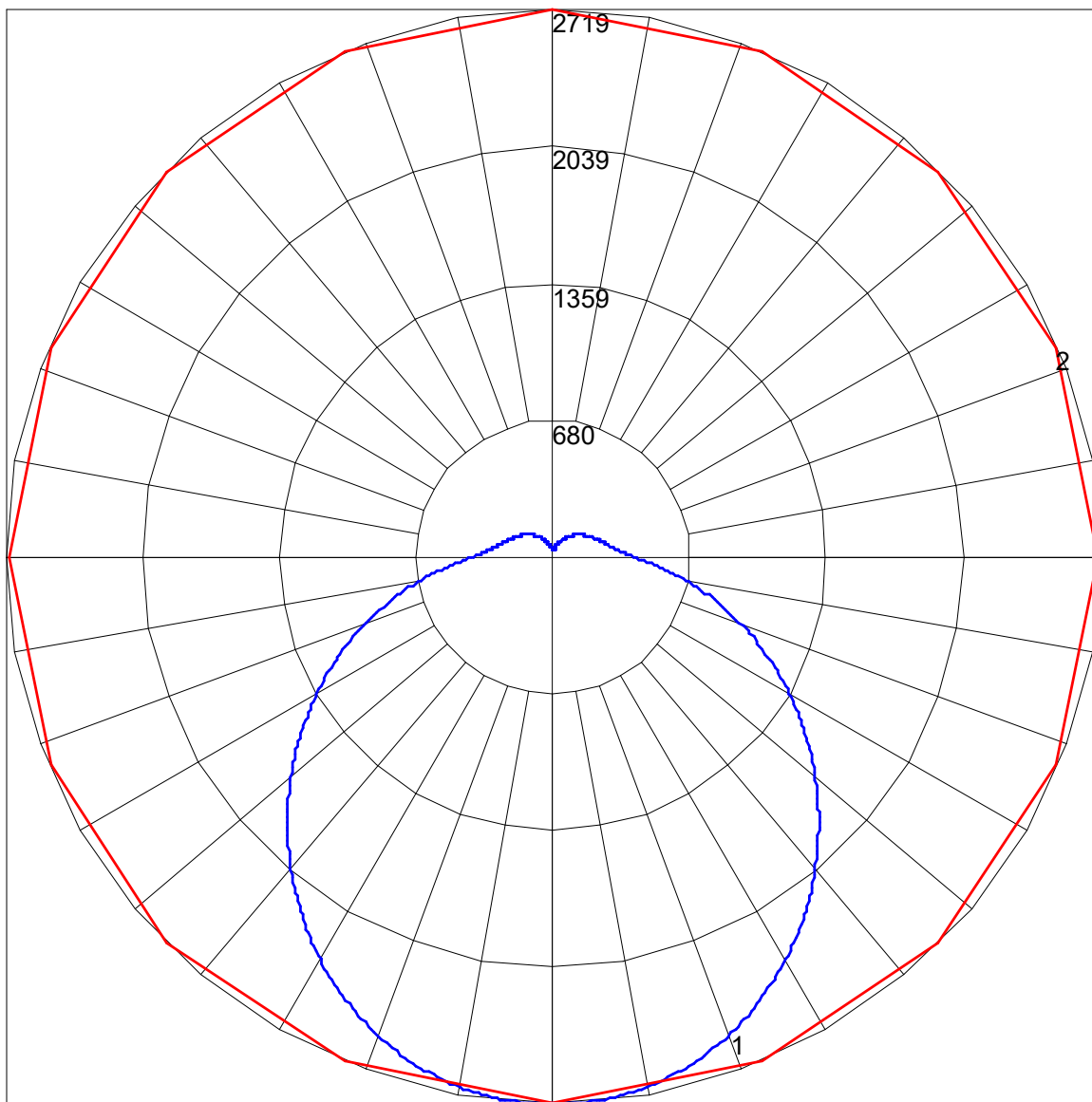
4H	2H	19.5	20.7	20.0	21.2	21.8	21.3	22.5	21.8	23.0	23.6
	3H	21.1	22.2	21.7	22.7	23.3	23.8	24.8	24.3	25.4	26.0
	4H	21.7	22.6	22.2	23.2	23.8	25.0	26.0	25.6	26.5	27.2
	6H	22.0	22.9	22.6	23.5	24.1	26.2	27.1	26.8	27.7	28.3
	8H	22.1	22.9	22.7	23.5	24.2	26.8	27.6	27.4	28.2	28.9
	12H	22.1	22.9	22.8	23.5	24.2	27.5	28.2	28.1	28.8	29.5

8H	4H	22.3	23.1	22.9	23.7	24.3	25.2	26.0	25.8	26.6	27.2
	6H	22.8	23.5	23.4	24.1	24.8	26.6	27.2	27.2	27.9	28.6
	8H	22.9	23.5	23.6	24.2	24.9	27.3	27.9	27.9	28.6	29.2
	12H	23.0	23.6	23.7	24.2	25.0	28.1	28.7	28.8	29.3	30.1

12H	4H	22.4	23.2	23.0	23.8	24.5	25.2	25.9	25.8	26.5	27.2
	6H	23.0	23.6	23.7	24.3	25.0	26.6	27.2	27.2	27.8	28.6
	8H	23.3	23.8	23.9	24.4	25.2	27.4	27.9	28.0	28.6	29.3

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 2718.576 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.)