



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 LW UV FA 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002568-003A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 2 LW 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] One CL116-5000K-R90-A5-CREE G CLASS PRO9 48UP LED board with 48 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 290mA

[OTHER] 119.9Vac, 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	2186
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	15.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 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	6459	6201	6550
55	5663	5521	6085
65	4764	4801	5600
75	3581	4019	5092
85	1559	3257	4710

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	251.82	N.A.	11.50
0-30	530.53	N.A.	24.30
0-40	860.67	N.A.	39.40
0-60	1502.24	N.A.	68.70
0-80	1908.63	N.A.	87.30
0-90	1998.01	N.A.	91.40
10-90	1932.52	N.A.	88.40
20-40	608.85	N.A.	27.90
20-50	945.95	N.A.	43.30
40-70	883.88	N.A.	40.40
60-80	406.39	N.A.	18.60
70-80	164.08	N.A.	7.50
80-90	89.38	N.A.	4.10
90-110	89.76	N.A.	4.10
90-120	121.27	N.A.	5.50
90-130	146.19	N.A.	6.70
90-150	176.86	N.A.	8.10
90-180	187.95	N.A.	8.60
110-180	98.19	N.A.	4.50
0-180	2185.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.48
10-20	186.33
20-30	278.71
30-40	330.14
40-50	337.10
50-60	304.47
60-70	242.31
70-80	164.08
80-90	89.38
90-100	50.55
100-110	39.21
110-120	31.51
120-130	24.91
130-140	18.42
140-150	12.25
150-160	7.04
160-170	3.25
170-180	0.80

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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	45	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	61	48	40	34	46	38	33	43	37	32	41	36	31	29
8	58	45	36	31	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	27	37	30	26	35	30	25	23
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	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	16.0	17.5	16.5	18.0	18.5	18.4	19.9	18.9	20.4	20.9
	3H	17.4	18.8	17.9	19.3	19.8	20.7	22.0	21.2	22.5	23.1
	4H	17.9	19.1	18.4	19.6	20.2	21.7	22.9	22.2	23.5	24.0
	6H	18.1	19.3	18.7	19.8	20.4	22.7	23.9	23.2	24.4	25.0
	8H	18.2	19.3	18.7	19.8	20.4	23.2	24.3	23.7	24.8	25.5
	12H	18.2	19.2	18.7	19.8	20.4	23.7	24.7	24.2	25.3	25.9

UGR Viewed Endwise

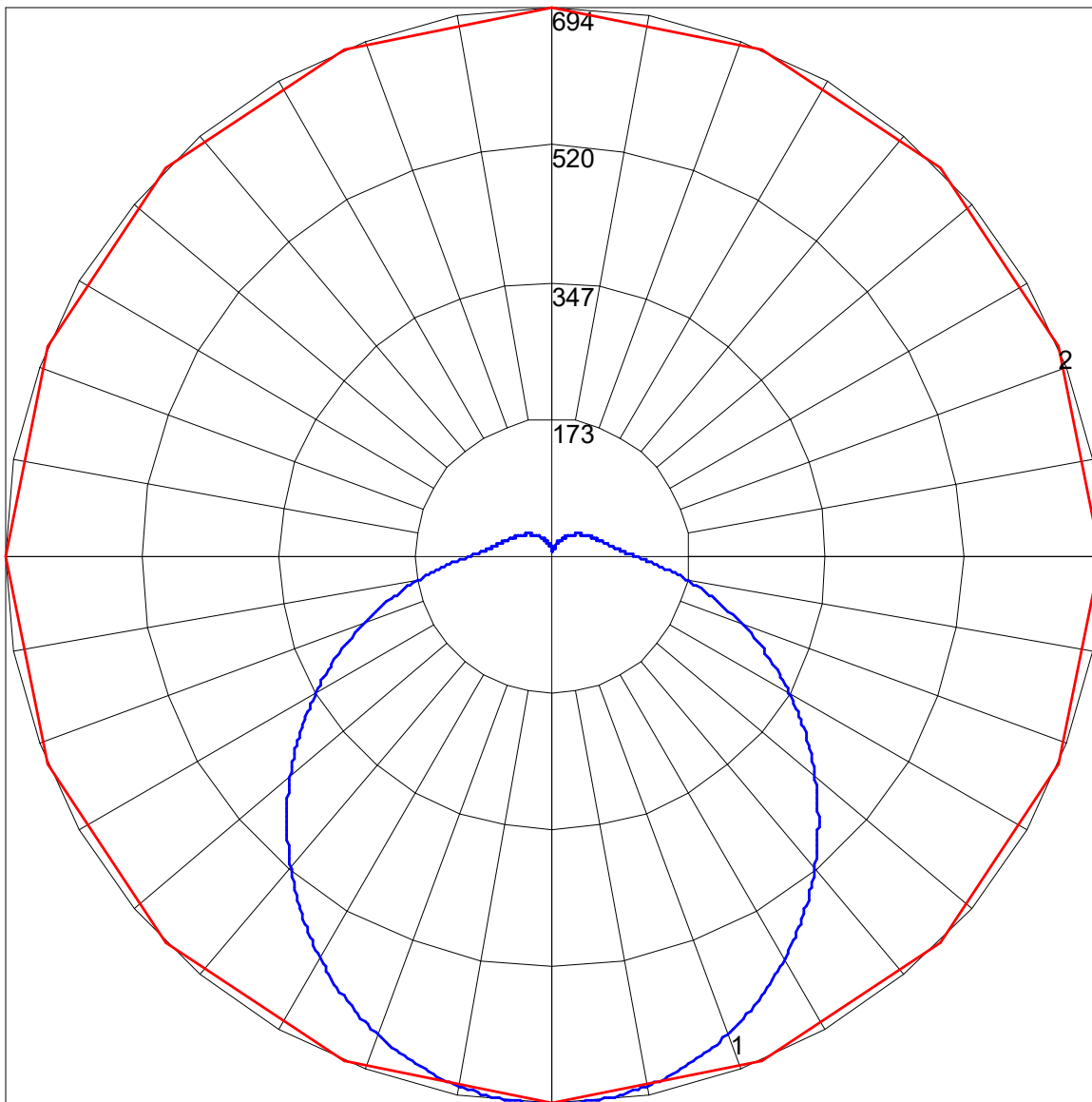
4H	2H	16.9	18.2	17.4	18.7	19.3	18.8	20.0	19.3	20.6	21.1
	3H	18.5	19.6	19.1	20.2	20.8	21.3	22.3	21.8	22.9	23.5
	4H	19.1	20.0	19.6	20.6	21.3	22.5	23.4	23.0	24.0	24.6
	6H	19.4	20.3	20.0	20.9	21.5	23.7	24.5	24.2	25.1	25.8
	8H	19.5	20.3	20.1	20.9	21.6	24.2	25.0	24.8	25.6	26.3
	12H	19.5	20.3	20.2	20.9	21.6	24.9	25.6	25.5	26.2	26.9

8H	4H	19.7	20.5	20.3	21.1	21.7	22.6	23.4	23.2	24.0	24.7
	6H	20.2	20.9	20.8	21.5	22.2	24.0	24.7	24.6	25.3	26.0
	8H	20.3	21.0	21.0	21.6	22.3	24.7	25.3	25.3	26.0	26.6
	12H	20.4	21.0	21.1	21.6	22.4	25.5	26.0	26.1	26.7	27.4

12H	4H	19.8	20.6	20.5	21.2	21.9	22.6	23.4	23.2	24.0	24.7
	6H	20.4	21.1	21.1	21.7	22.4	24.0	24.6	24.7	25.3	26.0
	8H	20.7	21.2	21.3	21.8	22.6	24.8	25.3	25.4	26.0	26.7

Maximum UGR = 27.4

POLAR GRAPH



Maximum Candela = 693.513 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)