



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 HI 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 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] One CL116-5000K-R90-A6-CREE G CLASS PRO9 64UP LED board with 64 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 570mA

[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	4227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	28.7
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	12491	11992	12668
55	10952	10677	11768
65	9212	9284	10829
75	6924	7772	9847
85	3014	6299	9108

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	486.98	N.A.	11.50
0-30	1025.97	N.A.	24.30
0-40	1664.42	N.A.	39.40
0-60	2905.14	N.A.	68.70
0-80	3691.05	N.A.	87.30
0-90	3863.9	N.A.	91.40
10-90	3737.26	N.A.	88.40
20-40	1177.44	N.A.	27.90
20-50	1829.34	N.A.	43.30
40-70	1709.31	N.A.	40.40
60-80	785.91	N.A.	18.60
70-80	317.32	N.A.	7.50
80-90	172.85	N.A.	4.10
90-110	173.59	N.A.	4.10
90-120	234.53	N.A.	5.50
90-130	282.71	N.A.	6.70
90-150	342.02	N.A.	8.10
90-180	363.47	N.A.	8.60
110-180	189.88	N.A.	4.50
0-180	4227.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	126.64
10-20	360.34
20-30	538.99
30-40	638.45
40-50	651.90
50-60	588.82
60-70	468.59
70-80	317.32
80-90	172.85
90-100	97.75
100-110	75.84
110-120	60.94
120-130	48.18
130-140	35.63
140-150	23.68
150-160	13.62
160-170	6.29
170-180	1.55

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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	51	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	44	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	18.3	19.8	18.8	20.3	20.8	UGR Viewed Endwise			
	3H	19.7	21.1	20.2	21.6	22.1	20.7	22.2	21.2	22.7
	4H	20.2	21.4	20.7	21.9	22.5	23.0	24.3	23.5	24.8
	6H	20.4	21.6	21.0	22.1	22.7	24.0	25.2	24.5	25.8
	8H	20.5	21.6	21.0	22.1	22.7	25.0	26.2	25.5	26.7
	12H	20.5	21.5	21.0	22.1	22.7	25.5	26.6	26.0	27.1
							26.0	27.0	26.5	27.6

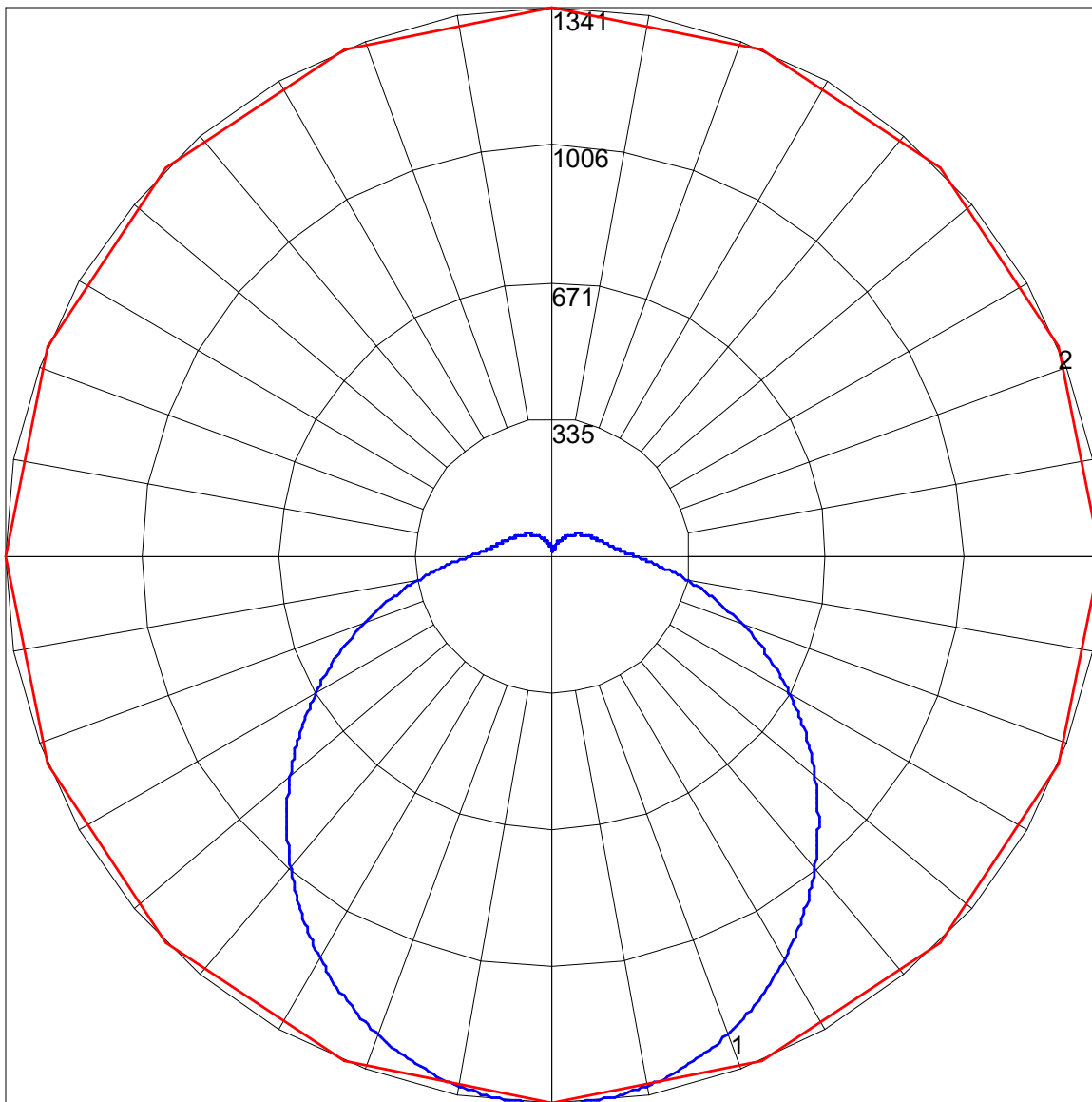
4H	2H	19.2	20.5	19.7	21.0	21.6	21.1	22.3	21.6	22.9
	3H	20.8	21.9	21.4	22.5	23.1	23.6	24.6	24.1	25.2
	4H	21.4	22.3	21.9	22.9	23.5	24.8	25.7	25.3	26.3
	6H	21.7	22.6	22.3	23.2	23.8	26.0	26.8	26.5	27.4
	8H	21.8	22.6	22.4	23.2	23.9	26.5	27.3	27.1	27.9
	12H	21.8	22.6	22.5	23.2	23.9	27.2	27.9	27.8	28.5

8H	4H	22.0	22.8	22.6	23.4	24.0	24.9	25.7	25.5	26.3
	6H	22.5	23.2	23.1	23.8	24.5	26.3	27.0	26.9	27.6
	8H	22.6	23.3	23.3	23.9	24.6	27.0	27.6	27.6	28.3
	12H	22.7	23.3	23.4	23.9	24.7	27.8	28.3	28.4	29.0

12H	4H	22.1	22.9	22.8	23.5	24.2	24.9	25.7	25.5	26.3
	6H	22.7	23.4	23.4	24.0	24.7	26.3	26.9	27.0	27.5
	8H	23.0	23.5	23.6	24.1	24.9	27.1	27.6	27.7	28.3

Maximum UGR = 29.7

POLAR GRAPH



Maximum Candela = 1341.169 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.)