



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 LW UV FA 940.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 940

[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 CL116-4000K-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	2164
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	6395	6140	6486
55	5607	5466	6025
65	4716	4753	5544
75	3545	3979	5042
85	1543	3225	4663

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	249.32	N.A.	11.50
0-30	525.27	N.A.	24.30
0-40	852.14	N.A.	39.40
0-60	1487.36	N.A.	68.70
0-80	1889.73	N.A.	87.30
0-90	1978.22	N.A.	91.40
10-90	1913.39	N.A.	88.40
20-40	602.82	N.A.	27.90
20-50	936.58	N.A.	43.30
40-70	875.13	N.A.	40.40
60-80	402.37	N.A.	18.60
70-80	162.46	N.A.	7.50
80-90	88.49	N.A.	4.10
90-110	88.87	N.A.	4.10
90-120	120.07	N.A.	5.50
90-130	144.74	N.A.	6.70
90-150	175.11	N.A.	8.10
90-180	186.09	N.A.	8.60
110-180	97.21	N.A.	4.50
0-180	2164.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.83
10-20	184.49
20-30	275.95
30-40	326.87
40-50	333.76
50-60	301.46
60-70	239.91
70-80	162.46
80-90	88.49
90-100	50.05
100-110	38.83
110-120	31.20
120-130	24.67
130-140	18.24
140-150	12.13
150-160	6.97
160-170	3.22
170-180	0.79

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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

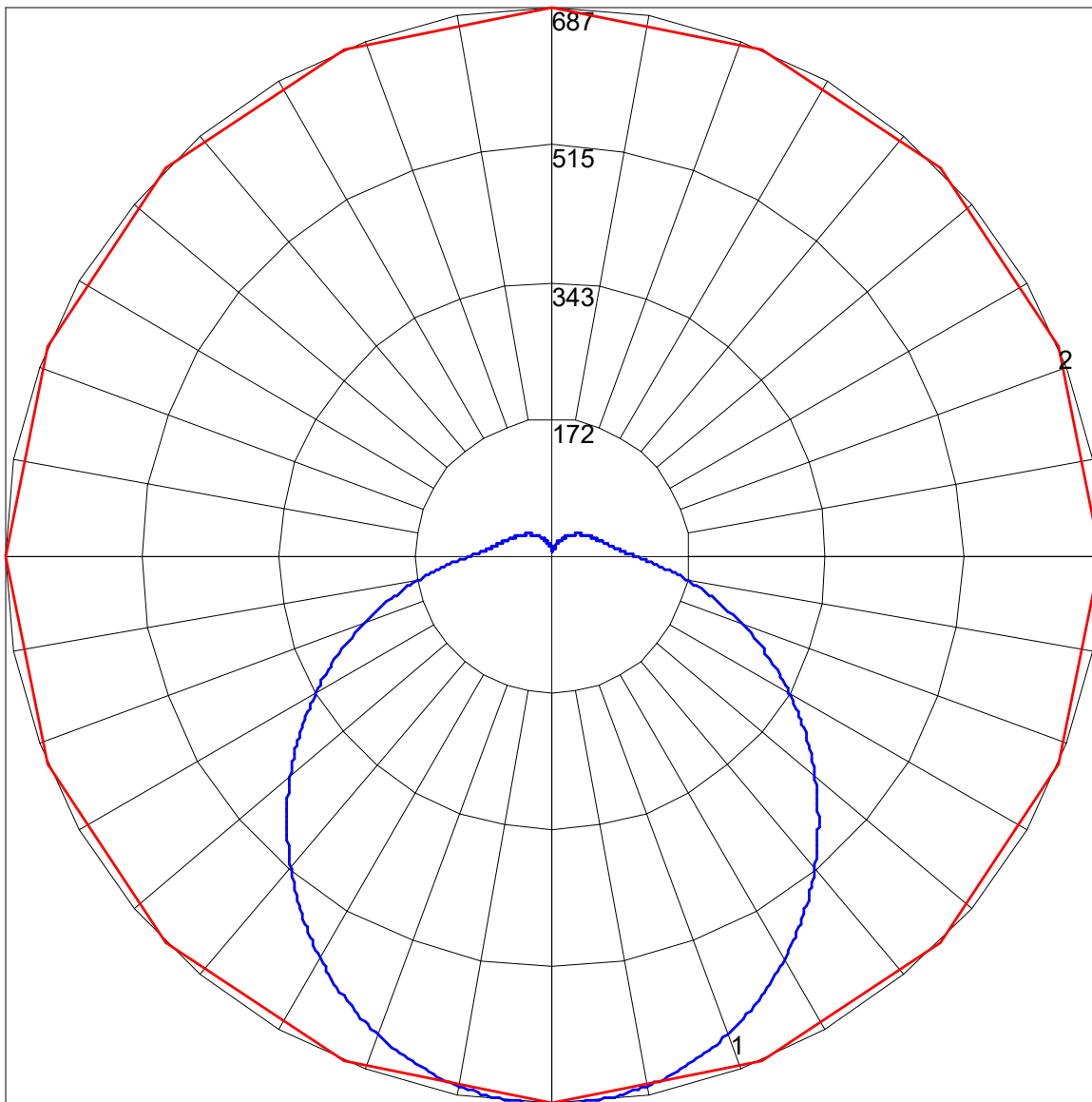
Reflectances

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					UGR Viewed Endwise				
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
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	21.2	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	20.9	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	25.2	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 = 686.646 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.)