



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 VL 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 VL 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 210mA

[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	1581
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	11.1
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	4673	4486	4739
55	4097	3994	4402
65	3446	3473	4051
75	2590	2907	3684
85	1128	2356	3407

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	182.17	N.A.	11.50
0-30	383.80	N.A.	24.30
0-40	622.63	N.A.	39.40
0-60	1086.76	N.A.	68.70
0-80	1380.76	N.A.	87.30
0-90	1445.41	N.A.	91.40
10-90	1398.04	N.A.	88.40
20-40	440.46	N.A.	27.90
20-50	684.32	N.A.	43.30
40-70	639.42	N.A.	40.40
60-80	293.99	N.A.	18.60
70-80	118.70	N.A.	7.50
80-90	64.66	N.A.	4.10
90-110	64.94	N.A.	4.10
90-120	87.73	N.A.	5.50
90-130	105.76	N.A.	6.70
90-150	127.94	N.A.	8.10
90-180	135.97	N.A.	8.60
110-180	71.03	N.A.	4.50
0-180	1581.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.37
10-20	134.80
20-30	201.63
30-40	238.83
40-50	243.87
50-60	220.27
60-70	175.29
70-80	118.70
80-90	64.66
90-100	36.57
100-110	28.37
110-120	22.80
120-130	18.02
130-140	13.33
140-150	8.86
150-160	5.09
160-170	2.35
170-180	0.58

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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

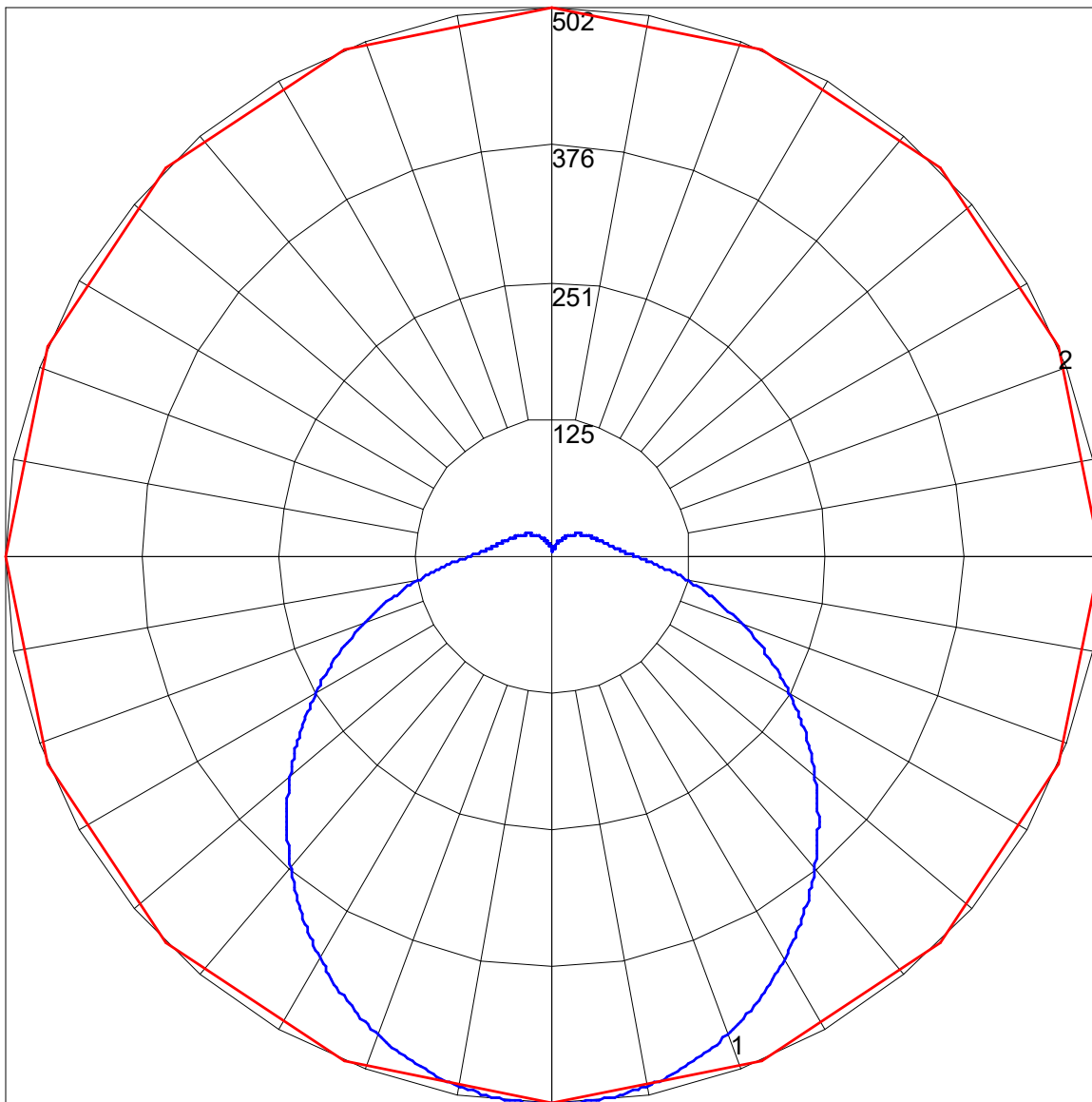
Reflectances

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	14.9	16.4	15.4	16.9	17.4	17.3	18.8	17.8	19.3	19.8
	3H	16.3	17.7	16.8	18.2	18.7	19.6	20.9	20.1	21.4	22.0
	4H	16.8	18.0	17.3	18.5	19.1	20.6	21.8	21.1	22.4	22.9
	6H	17.0	18.2	17.6	18.7	19.3	21.6	22.8	22.1	23.3	23.9
	8H	17.1	18.2	17.6	18.7	19.3	22.1	23.2	22.6	23.7	24.4
	12H	17.1	18.1	17.6	18.7	19.3	22.6	23.6	23.1	24.2	24.8
4H	2H	15.8	17.1	16.3	17.6	18.2	17.7	18.9	18.2	19.5	20.0
	3H	17.4	18.5	18.0	19.1	19.7	20.2	21.2	20.7	21.8	22.4
	4H	18.0	18.9	18.5	19.5	20.2	21.4	22.3	21.9	22.9	23.5
	6H	18.3	19.2	18.9	19.8	20.4	22.6	23.4	23.1	24.0	24.7
	8H	18.4	19.2	19.0	19.8	20.5	23.1	23.9	23.7	24.5	25.2
	12H	18.4	19.2	19.1	19.8	20.5	23.8	24.5	24.4	25.1	25.8
8H	4H	18.6	19.4	19.2	20.0	20.6	21.5	22.3	22.1	22.9	23.6
	6H	19.1	19.8	19.7	20.4	21.1	22.9	23.6	23.5	24.2	24.9
	8H	19.2	19.9	19.9	20.5	21.2	23.6	24.2	24.2	24.9	25.5
	12H	19.3	19.9	20.0	20.5	21.3	24.4	24.9	25.0	25.6	26.3
12H	4H	18.7	19.5	19.4	20.1	20.8	21.5	22.3	22.1	22.9	23.6
	6H	19.3	20.0	20.0	20.6	21.3	22.9	23.5	23.6	24.1	24.9
	8H	19.6	20.1	20.2	20.7	21.5	23.7	24.2	24.3	24.9	25.6

Maximum UGR = 26.3

POLAR GRAPH



Maximum Candela = 501.707 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.)