



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 VH 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 VH 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 CL115-4000K-R90-A5-CREE G CLASS PRO9 84UP LED board with 84 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 800mA

[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	5157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	35.1
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	15238	14630	15454
55	13360	13025	14356
65	11238	11326	13211
75	8447	9481	12013
85	3677	7684	11111

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	594.08	N.A.	11.50
0-30	1251.61	N.A.	24.30
0-40	2030.47	N.A.	39.40
0-60	3544.05	N.A.	68.70
0-80	4502.8	N.A.	87.30
0-90	4713.66	N.A.	91.40
10-90	4559.17	N.A.	88.40
20-40	1436.39	N.A.	27.90
20-50	2231.66	N.A.	43.30
40-70	2085.23	N.A.	40.40
60-80	958.75	N.A.	18.60
70-80	387.10	N.A.	7.50
80-90	210.86	N.A.	4.10
90-110	211.77	N.A.	4.10
90-120	286.11	N.A.	5.50
90-130	344.88	N.A.	6.70
90-150	417.24	N.A.	8.10
90-180	443.41	N.A.	8.60
110-180	231.64	N.A.	4.50
0-180	5157.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.49
10-20	439.59
20-30	657.53
30-40	778.86
40-50	795.27
50-60	718.31
60-70	571.64
70-80	387.10
80-90	210.86
90-100	119.25
100-110	92.51
110-120	74.34
120-130	58.77
130-140	43.46
140-150	28.89
150-160	16.61
160-170	7.67
170-180	1.89

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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	19.0	20.5	19.5	21.0	21.5	21.4	22.9	21.9	23.4	23.9
	3H	20.4	21.8	20.9	22.3	22.8	23.7	25.0	24.2	25.5	26.1
	4H	20.9	22.1	21.4	22.6	23.2	24.7	25.9	25.2	26.5	27.0
	6H	21.1	22.3	21.7	22.8	23.4	25.7	26.9	26.2	27.4	28.0
	8H	21.2	22.3	21.7	22.8	23.4	26.2	27.3	26.7	27.8	28.5
	12H	21.2	22.2	21.7	22.8	23.4	26.7	27.7	27.2	28.3	28.9

UGR Viewed Endwise

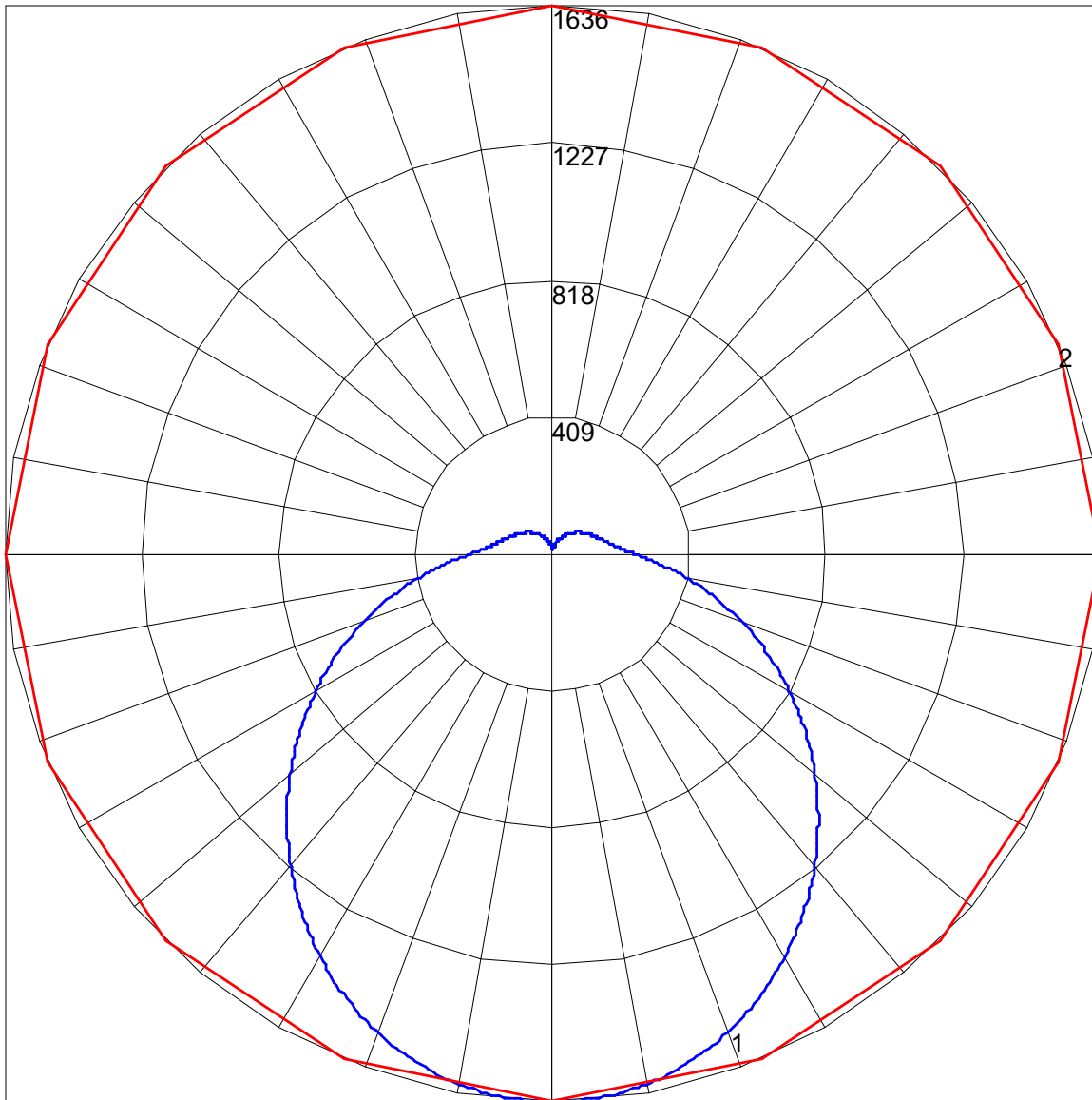
4H	2H	19.9	21.2	20.4	21.7	22.3	21.8	23.0	22.3	23.6	24.1
	3H	21.5	22.6	22.1	23.2	23.8	24.3	25.3	24.8	25.9	26.5
	4H	22.1	23.0	22.6	23.6	24.2	25.5	26.4	26.0	27.0	27.6
	6H	22.4	23.3	23.0	23.9	24.5	26.7	27.5	27.2	28.1	28.8
	8H	22.5	23.3	23.1	23.9	24.6	27.2	28.0	27.8	28.6	29.3
	12H	22.5	23.3	23.2	23.9	24.6	27.9	28.6	28.5	29.2	29.9

8H	4H	22.7	23.5	23.3	24.1	24.7	25.6	26.4	26.2	27.0	27.7
	6H	23.2	23.9	23.8	24.5	25.2	27.0	27.7	27.6	28.3	29.0
	8H	23.3	24.0	24.0	24.6	25.3	27.7	28.3	28.3	29.0	29.6
	12H	23.4	24.0	24.1	24.6	25.4	28.5	29.0	29.1	29.7	30.4

12H	4H	22.8	23.6	23.5	24.2	24.9	25.6	26.4	26.2	27.0	27.7
	6H	23.4	24.1	24.1	24.7	25.4	27.0	27.6	27.7	28.2	29.0
	8H	23.7	24.2	24.3	24.8	25.6	27.8	28.3	28.4	29.0	29.7

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 1636.121 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.)