



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 SEL35 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] Lumen Focus, LLC

[LUMCAT] EWL S G2 2 SEL35 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-A6-CREE G CLASS PRO9 64UP LED board with 64 LEDs.

[BALLAST] One Keystone Technologies KTLD-35-UV-PS650-54-VDIM-LM1 LED selectable output driver

[OTHER] 119.9Vac, 60.00Hz

CHARACTERISTICS

Lumens Per Lamp	4738.18 (1 lamp)
Total Lamp Lumens	4738.18
Luminaire Lumens	4738
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	32.7
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	14000	13441	14198
55	12275	11967	13190
65	10325	10406	12138
75	7761	8711	11037
85	3378	7060	10208

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	545.82	11.50	11.50
0-30	1149.93	24.30	24.30
0-40	1865.52	39.40	39.40
0-60	3256.14	68.70	68.70
0-80	4137.01	87.30	87.30
0-90	4330.74	91.40	91.40
10-90	4188.8	88.40	88.40
20-40	1319.7	27.90	27.90
20-50	2050.37	43.30	43.30
40-70	1915.83	40.40	40.40
60-80	880.86	18.60	18.60
70-80	355.66	7.50	7.50
80-90	193.73	4.10	4.10
90-110	194.56	4.10	4.10
90-120	262.87	5.50	5.50
90-130	316.86	6.70	6.70
90-150	383.34	8.10	8.10
90-180	407.39	8.60	8.60
110-180	212.82	4.50	4.50
0-180	4738.12	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.94
10-20	403.88
20-30	604.11
30-40	715.59
40-50	730.67
50-60	659.96
60-70	525.21
70-80	355.66
80-90	193.73
90-100	109.57
100-110	85.00
110-120	68.30
120-130	54.00
130-140	39.93
140-150	26.55
150-160	15.26
160-170	7.05
170-180	1.73

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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	18.7	20.2	19.2	20.7	21.2	21.1	22.6	21.6	23.1	23.6
	3H	20.1	21.5	20.7	22.0	22.5	23.4	24.7	23.9	25.2	25.8
	4H	20.6	21.8	21.1	22.3	22.9	24.4	25.7	24.9	26.2	26.8
	6H	20.8	22.0	21.4	22.5	23.1	25.4	26.6	25.9	27.1	27.7
	8H	20.9	22.0	21.4	22.5	23.2	25.9	27.0	26.4	27.6	28.2
	12H	20.9	22.0	21.4	22.5	23.1	26.4	27.4	26.9	28.0	28.6

UGR Viewed Endwise

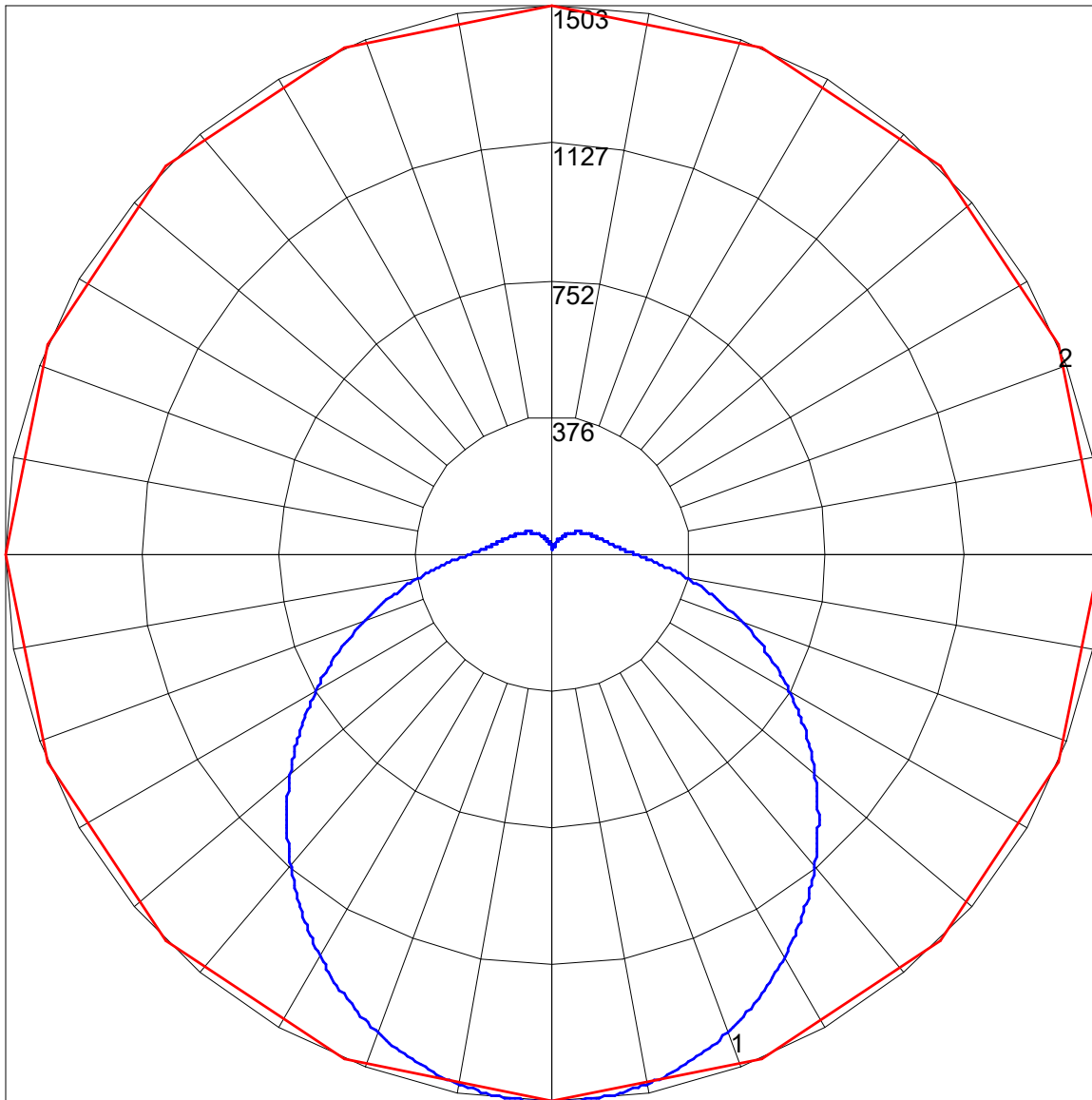
4H	2H	19.6	20.9	20.2	21.4	22.0	21.5	22.7	22.0	23.3	23.9
	3H	21.2	22.3	21.8	22.9	23.5	24.0	25.0	24.5	25.6	26.2
	4H	21.8	22.7	22.3	23.3	24.0	25.2	26.1	25.7	26.7	27.4
	6H	22.1	23.0	22.7	23.6	24.2	26.4	27.2	27.0	27.8	28.5
	8H	22.2	23.0	22.8	23.6	24.3	27.0	27.8	27.5	28.3	29.0
	12H	22.2	23.0	22.9	23.6	24.3	27.6	28.3	28.2	28.9	29.6

8H	4H	22.4	23.2	23.0	23.8	24.5	25.3	26.1	25.9	26.7	27.4
	6H	22.9	23.6	23.5	24.2	24.9	26.7	27.4	27.3	28.0	28.7
	8H	23.1	23.7	23.7	24.3	25.0	27.4	28.0	28.1	28.7	29.4
	12H	23.1	23.7	23.8	24.3	25.1	28.2	28.7	28.8	29.4	30.1

12H	4H	22.5	23.3	23.2	23.9	24.6	25.3	26.1	26.0	26.7	27.4
	6H	23.1	23.8	23.8	24.4	25.1	26.7	27.3	27.4	28.0	28.7
	8H	23.4	23.9	24.0	24.5	25.3	27.5	28.0	28.1	28.7	29.4

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 1503.209 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.)