



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 SEL75 UV FA 940.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 8 SEL75 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] Four CL116-4000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-75-UV-PS1400-54-VDIM-LM2 LED selectable output driver

[OTHER] 120.0Vac, 60.00Hz

CHARACTERISTICS

Lumens Per Lamp	11008.41 (1 lamp)
Total Lamp Lumens	11008.41
Luminaire Lumens	11009
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	69
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 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	8626	8030	8185
55	7754	7240	7588
65	6734	6375	6974
75	5368	5437	6337
85	2909	4533	5820

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EWL S G2 8 SEL75 UV FA 940.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1257.77	11.40	11.40
0-30	2654.62	24.10	24.10
0-40	4315.61	39.20	39.20
0-60	7560.35	68.70	68.70
0-80	9618.62	87.40	87.40
0-90	10065.33	91.40	91.40
10-90	9738.66	88.50	88.50
20-40	3057.84	27.80	27.80
20-50	4760.31	43.20	43.20
40-70	4473.24	40.60	40.60
60-80	2058.27	18.70	18.70
70-80	829.77	7.50	7.50
80-90	446.72	4.10	4.10
90-110	449.62	4.10	4.10
90-120	609.77	5.50	5.50
90-130	736.49	6.70	6.70
90-150	890.33	8.10	8.10
90-180	943.63	8.60	8.60
110-180	494.01	4.50	4.50
0-180	11008.96	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	326.68
10-20	931.09
20-30	1396.85
30-40	1660.99
40-50	1702.46
50-60	1542.27
60-70	1228.5
70-80	829.77
80-90	446.72
90-100	251.54
100-110	198.08
110-120	160.15
120-130	126.72
130-140	93.17
140-150	60.68
150-160	33.81
160-170	15.40
170-180	4.08

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EWL S G2 8 SEL75 UV FA 940.IES

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	44	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	60	48	40	34	46	38	33	43	37	32	41	36	31	29
8	58	45	36	30	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	26	37	30	26	35	29	25	23
10	51	38	30	25	49	37	30	24	36	29	24	34	28	23	33	27	23	21

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EWL S G2 8 SEL75 UV FA 940.IES

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

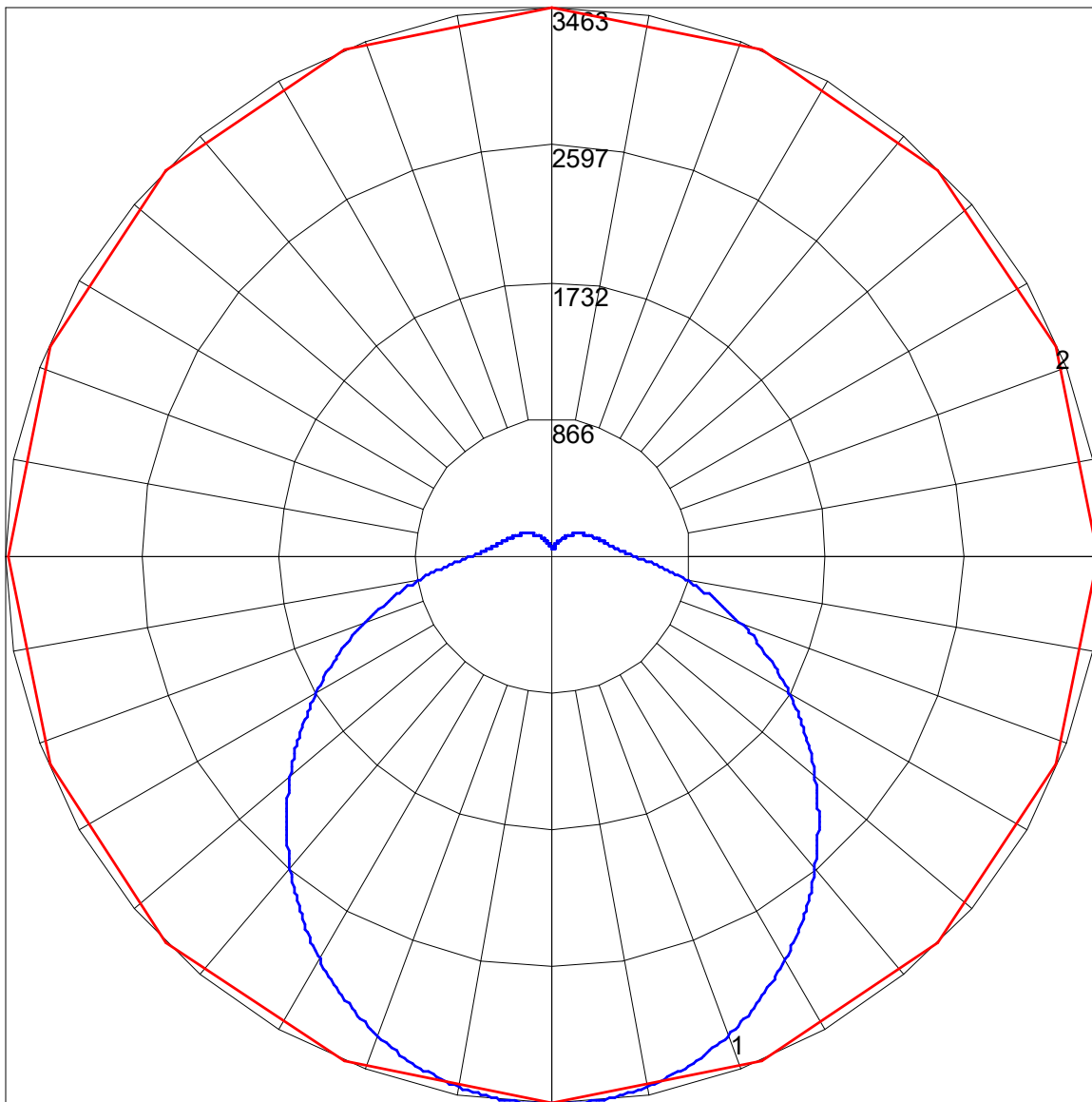
X=2H	Y=2H	17.0	18.5	17.5	19.0	19.5	19.3	20.8	19.8	21.3	21.8
	3H	18.4	19.8	19.0	20.3	20.8	21.7	23.0	22.2	23.5	24.1
	4H	18.9	20.1	19.4	20.6	21.2	22.7	24.0	23.2	24.5	25.1
	6H	19.1	20.3	19.7	20.8	21.4	23.8	25.0	24.3	25.5	26.1
	8H	19.2	20.3	19.7	20.8	21.5	24.3	25.4	24.9	26.0	26.6
	12H	19.2	20.3	19.7	20.8	21.4	24.9	26.0	25.5	26.5	27.1

UGR Viewed Endwise

4H	2H	17.9	19.2	18.4	19.7	20.3	19.7	21.0	20.3	21.5	22.1
	3H	19.5	20.6	20.1	21.2	21.8	22.3	23.3	22.8	23.9	24.5
	4H	20.1	21.1	20.6	21.6	22.3	23.5	24.5	24.1	25.0	25.7
	6H	20.4	21.3	21.0	21.9	22.6	24.8	25.6	25.3	26.2	26.9
	8H	20.5	21.3	21.1	21.9	22.6	25.4	26.2	26.0	26.8	27.5
	12H	20.6	21.3	21.2	21.9	22.6	26.1	26.8	26.7	27.4	28.1
8H	4H	20.7	21.5	21.3	22.1	22.8	23.7	24.5	24.3	25.1	25.7
	6H	21.2	21.9	21.9	22.5	23.2	25.1	25.8	25.7	26.4	27.1
	8H	21.4	22.0	22.0	22.6	23.3	25.9	26.5	26.5	27.1	27.8
	12H	21.5	22.0	22.1	22.6	23.4	26.7	27.3	27.4	27.9	28.6
12H	4H	20.9	21.6	21.5	22.2	22.9	23.7	24.4	24.3	25.0	25.7
	6H	21.5	22.1	22.1	22.7	23.4	25.1	25.7	25.8	26.3	27.1
	8H	21.7	22.2	22.3	22.9	23.6	25.9	26.5	26.6	27.1	27.9

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 3463.049 Located At Horizontal Angle = 90, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)