



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 MD UV FA 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 8 MD UV FA 950

[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 CL116-5000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-85-UV-P2300-55-VDIM-LT2 LED driver set at 1,380mA

[OTHER] 120.0Vac, 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	10966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	70.8
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	8593	7999	8153
55	7724	7212	7559
65	6708	6350	6947
75	5347	5416	6313
85	2898	4515	5798

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EWL S G2 8 MD UV FA 950.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1252.9	N.A.	11.40
0-30	2644.34	N.A.	24.10
0-40	4298.91	N.A.	39.20
0-60	7531.08	N.A.	68.70
0-80	9581.38	N.A.	87.40
0-90	10026.37	N.A.	91.40
10-90	9700.96	N.A.	88.50
20-40	3046.01	N.A.	27.80
20-50	4741.88	N.A.	43.20
40-70	4455.92	N.A.	40.60
60-80	2050.3	N.A.	18.70
70-80	826.56	N.A.	7.50
80-90	444.99	N.A.	4.10
90-110	447.88	N.A.	4.10
90-120	607.41	N.A.	5.50
90-130	733.64	N.A.	6.70
90-150	886.89	N.A.	8.10
90-180	939.98	N.A.	8.60
110-180	492.10	N.A.	4.50
0-180	10966.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	325.41
10-20	927.49
20-30	1391.44
30-40	1654.56
40-50	1695.87
50-60	1536.3
60-70	1223.74
70-80	826.56
80-90	444.99
90-100	250.57
100-110	197.31
110-120	159.53
120-130	126.22
130-140	92.81
140-150	60.44
150-160	33.68
160-170	15.35
170-180	4.07

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EWL S G2 8 MD UV FA 950.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 MD UV FA 950.IES

UGR TABLE - CORRECTED

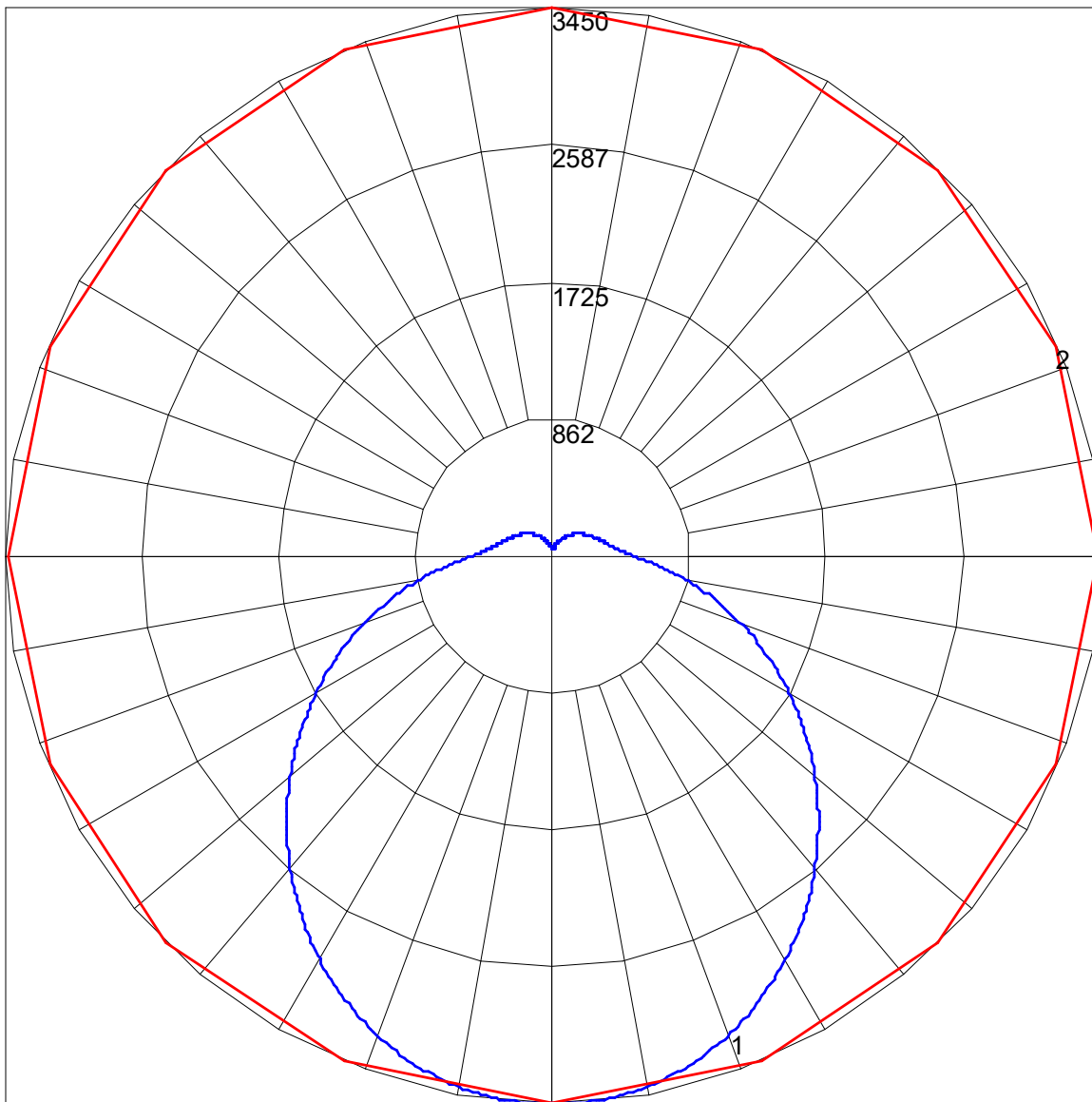
Reflectances

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					UGR Viewed Endwise				
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	18.9	20.3	20.8	21.6	23.0	22.2	23.5	24.0
	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	24.9	24.3	25.5	26.1
	8H	19.2	20.3	19.7	20.8	21.4	24.3	25.4	24.9	26.0	26.6
	12H	19.2	20.2	19.7	20.8	21.4	24.9	26.0	25.4	26.5	27.1
4H	2H	17.9	19.1	18.4	19.7	20.2	19.7	21.0	20.2	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	21.0	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	22.5	24.7	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	27.4
	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	25.8	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 = 3449.643 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.)