



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 MD UV FA 940.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 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-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	10858
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
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	8508	7920	8072
55	7648	7141	7484
65	6642	6288	6878
75	5294	5362	6250
85	2869	4471	5741

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1240.5	N.A.	11.40
0-30	2618.16	N.A.	24.10
0-40	4256.34	N.A.	39.20
0-60	7456.52	N.A.	68.70
0-80	9486.52	N.A.	87.40
0-90	9927.1	N.A.	91.40
10-90	9604.91	N.A.	88.50
20-40	3015.85	N.A.	27.80
20-50	4694.93	N.A.	43.20
40-70	4411.8	N.A.	40.60
60-80	2030.00	N.A.	18.70
70-80	818.37	N.A.	7.50
80-90	440.58	N.A.	4.10
90-110	443.44	N.A.	4.10
90-120	601.40	N.A.	5.50
90-130	726.37	N.A.	6.70
90-150	878.10	N.A.	8.10
90-180	930.67	N.A.	8.60
110-180	487.23	N.A.	4.50
0-180	10857.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	322.19
10-20	918.31
20-30	1377.67
30-40	1638.18
40-50	1679.08
50-60	1521.09
60-70	1211.63
70-80	818.37
80-90	440.58
90-100	248.09
100-110	195.36
110-120	157.95
120-130	124.98
130-140	91.89
140-150	59.85
150-160	33.34
160-170	15.19
170-180	4.03

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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	72	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	44	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	35	29	24	34	28	23	33	27	23	21

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UGR TABLE - CORRECTED

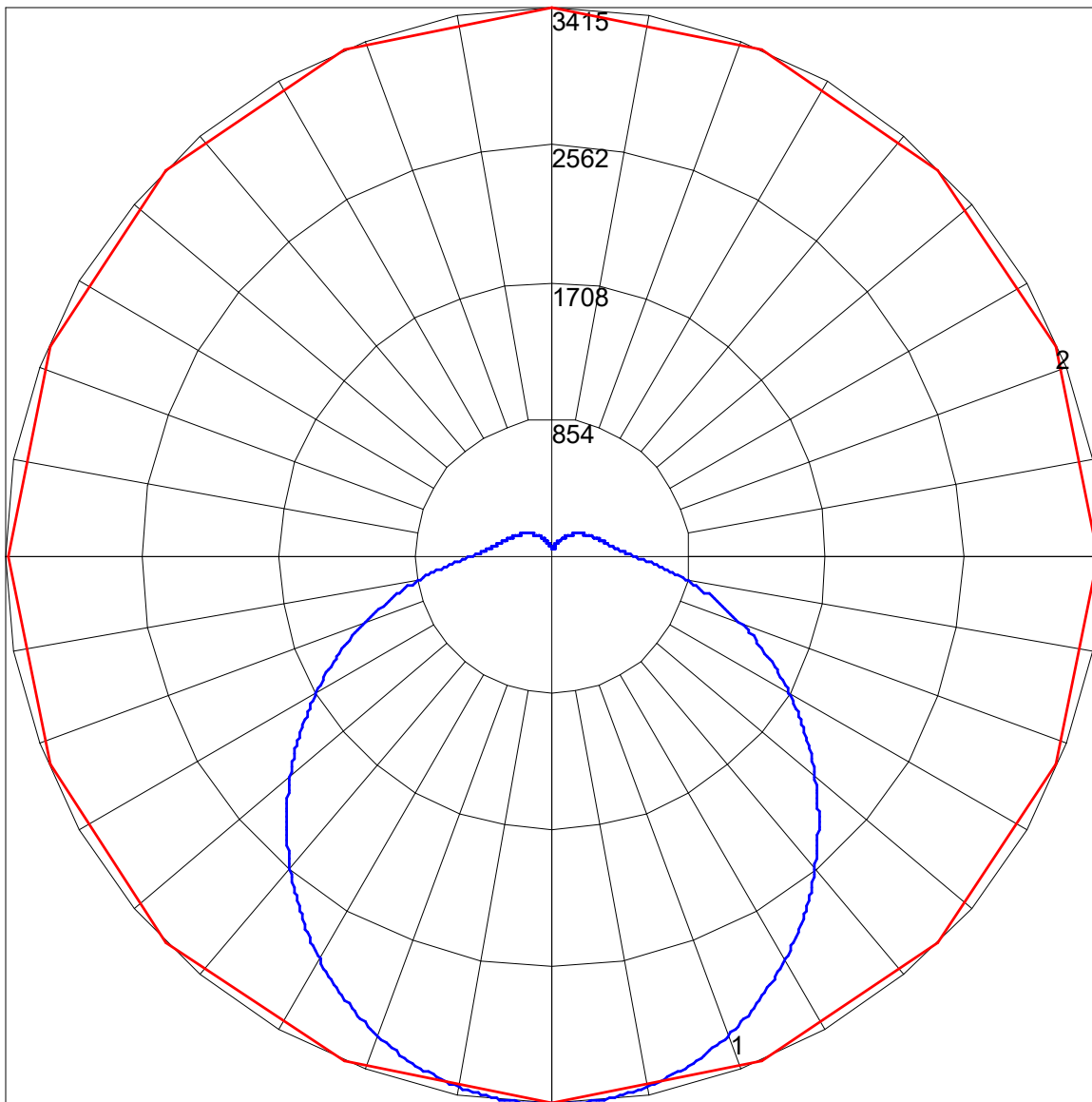
Reflectances

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	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	21.7	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 = 3415.489 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.)