



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 MD 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 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] One CL116-4000K-R90-A5-CREE G CLASS PRO9 48UP LED board with 48 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 430mA

[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	3157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	22.4
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	9327	8955	9459
55	8178	7973	8787
65	6879	6932	8086
75	5170	5803	7353
85	2251	4703	6801

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	363.63	N.A.	11.50
0-30	766.09	N.A.	24.30
0-40	1242.82	N.A.	39.40
0-60	2169.26	N.A.	68.70
0-80	2756.09	N.A.	87.30
0-90	2885.15	N.A.	91.40
10-90	2790.59	N.A.	88.40
20-40	879.19	N.A.	27.90
20-50	1365.96	N.A.	43.30
40-70	1276.33	N.A.	40.40
60-80	586.83	N.A.	18.60
70-80	236.94	N.A.	7.50
80-90	129.06	N.A.	4.10
90-110	129.62	N.A.	4.10
90-120	175.12	N.A.	5.50
90-130	211.10	N.A.	6.70
90-150	255.39	N.A.	8.10
90-180	271.40	N.A.	8.60
110-180	141.78	N.A.	4.50
0-180	3156.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	94.56
10-20	269.07
20-30	402.46
30-40	476.73
40-50	486.77
50-60	439.67
60-70	349.89
70-80	236.94
80-90	129.06
90-100	72.99
100-110	56.63
110-120	45.50
120-130	35.97
130-140	26.60
140-150	17.69
150-160	10.17
160-170	4.69
170-180	1.15

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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

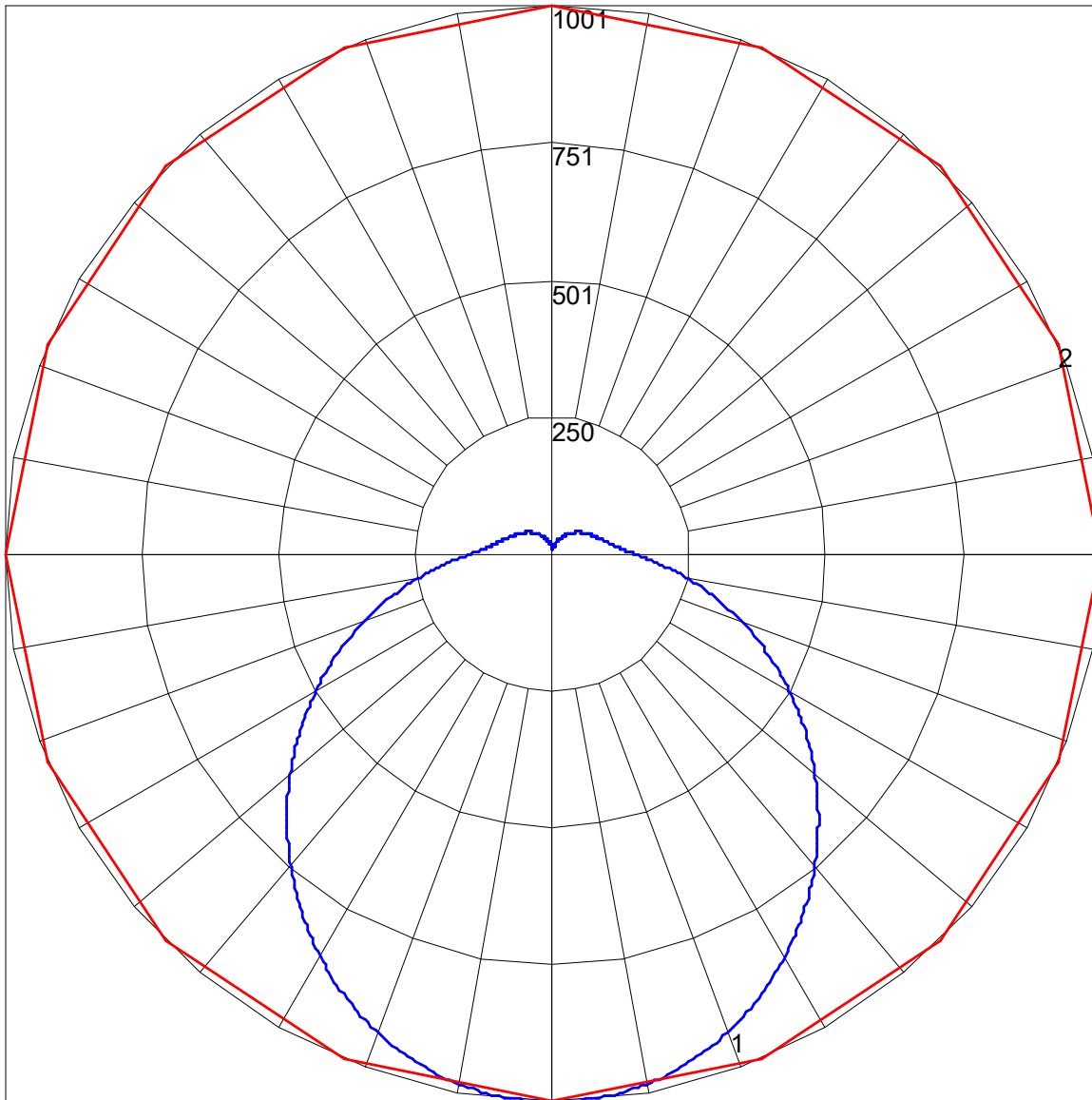
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	17.3	18.8	17.8	19.3	19.8	19.7	21.2	20.2	21.7	22.2
	3H	18.7	20.1	19.2	20.6	21.1	22.0	23.3	22.5	23.8	24.4
	4H	19.2	20.4	19.7	20.9	21.5	23.0	24.2	23.5	24.8	25.3
	6H	19.4	20.6	20.0	21.1	21.7	24.0	25.2	24.5	25.7	26.3
	8H	19.5	20.6	20.0	21.1	21.7	24.5	25.6	25.0	26.1	26.8
	12H	19.5	20.5	20.0	21.1	21.7	25.0	26.0	25.5	26.6	27.2
4H	2H	18.2	19.5	18.7	20.0	20.6	20.1	21.3	20.6	21.9	22.4
	3H	19.8	20.9	20.4	21.5	22.1	22.6	23.6	23.1	24.2	24.8
	4H	20.4	21.3	20.9	21.9	22.5	23.8	24.7	24.3	25.3	25.9
	6H	20.7	21.6	21.3	22.2	22.8	25.0	25.8	25.5	26.4	27.1
	8H	20.8	21.6	21.4	22.2	22.9	25.5	26.3	26.1	26.9	27.6
	12H	20.8	21.6	21.5	22.2	22.9	26.2	26.9	26.8	27.5	28.2
8H	4H	21.0	21.8	21.6	22.4	23.0	23.9	24.7	24.5	25.3	26.0
	6H	21.5	22.2	22.1	22.8	23.5	25.3	26.0	25.9	26.6	27.3
	8H	21.6	22.3	22.3	22.9	23.6	26.0	26.6	26.6	27.3	27.9
	12H	21.7	22.3	22.4	22.9	23.7	26.8	27.3	27.4	28.0	28.7
12H	4H	21.1	21.9	21.8	22.5	23.2	23.9	24.7	24.5	25.3	26.0
	6H	21.7	22.4	22.4	23.0	23.7	25.3	25.9	26.0	26.5	27.3
	8H	22.0	22.5	22.6	23.1	23.9	26.1	26.6	26.7	27.3	28.0

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 1001.444 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.)