



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 LW UV FA 930.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 4 LW UV FA 930

[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] Two CL116-3000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-50-UV-P1400-55-VDIM-LT1 LED driver set at 700mA

[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	5222
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	35.1
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)	4.00 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	8069	7553	7764
55	7211	6791	7198
65	6203	5956	6615
75	4845	5047	6012
85	2419	4151	5521

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	596.57	N.A.	11.40
0-30	1259.1	N.A.	24.10
0-40	2046.92	N.A.	39.20
0-60	3585.91	N.A.	68.70
0-80	4562.16	N.A.	87.40
0-90	4774.04	N.A.	91.40
10-90	4619.1	N.A.	88.50
20-40	1450.35	N.A.	27.80
20-50	2257.84	N.A.	43.20
40-70	2121.68	N.A.	40.60
60-80	976.25	N.A.	18.70
70-80	393.56	N.A.	7.50
80-90	211.88	N.A.	4.10
90-110	213.26	N.A.	4.10
90-120	289.22	N.A.	5.50
90-130	349.32	N.A.	6.70
90-150	422.29	N.A.	8.10
90-180	447.57	N.A.	8.60
110-180	234.31	N.A.	4.50
0-180	5221.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.94
10-20	441.62
20-30	662.53
30-40	787.82
40-50	807.49
50-60	731.51
60-70	582.68
70-80	393.56
80-90	211.88
90-100	119.31
100-110	93.95
110-120	75.96
120-130	60.10
130-140	44.19
140-150	28.78
150-160	16.04
160-170	7.31
170-180	1.94

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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	69	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

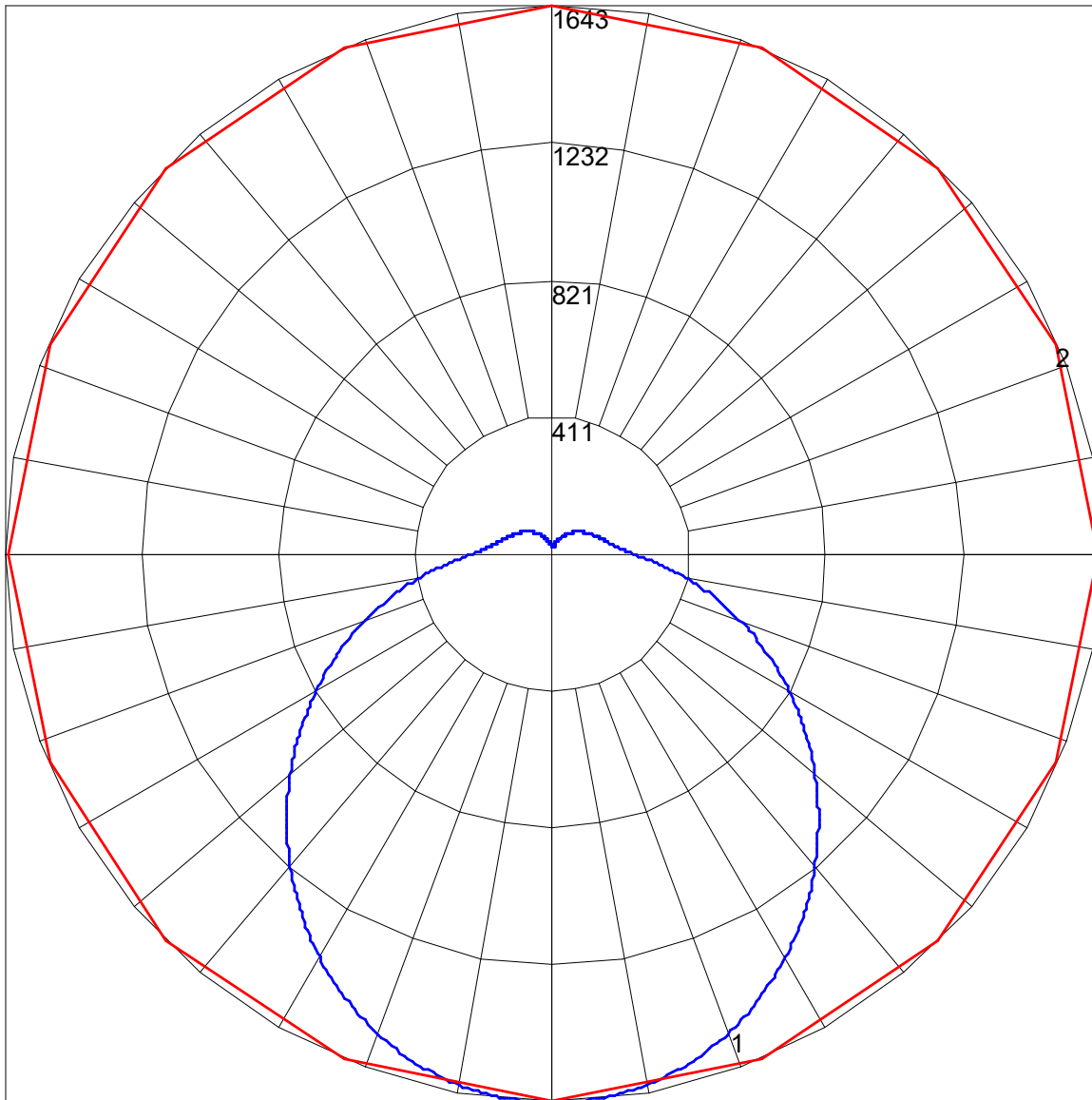
Reflectances

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	16.8	18.3	17.3	18.8	19.3	19.1	20.5	19.6	21.0	21.6
	3H	18.2	19.5	18.7	20.0	20.6	21.4	22.7	21.9	23.2	23.8
	4H	18.6	19.9	19.2	20.4	21.0	22.4	23.7	22.9	24.2	24.8
	6H	18.9	20.1	19.5	20.6	21.2	23.5	24.6	24.0	25.2	25.8
	8H	19.0	20.1	19.5	20.6	21.2	24.0	25.1	24.5	25.6	26.2
	12H	19.0	20.0	19.5	20.6	21.2	24.5	25.6	25.1	26.1	26.8
4H	2H	17.7	18.9	18.2	19.4	20.0	19.5	20.7	20.0	21.2	21.8
	3H	19.3	20.4	19.9	20.9	21.5	22.0	23.0	22.5	23.6	24.2
	4H	19.9	20.8	20.4	21.4	22.0	23.2	24.2	23.8	24.7	25.4
	6H	20.2	21.1	20.8	21.7	22.3	24.4	25.3	25.0	25.9	26.5
	8H	20.3	21.1	20.9	21.7	22.4	25.0	25.8	25.6	26.4	27.1
	12H	20.3	21.1	20.9	21.7	22.4	25.7	26.4	26.3	27.0	27.7
8H	4H	20.5	21.3	21.1	21.9	22.5	23.4	24.2	24.0	24.8	25.4
	6H	21.0	21.7	21.6	22.3	23.0	24.8	25.4	25.4	26.1	26.8
	8H	21.1	21.7	21.8	22.4	23.1	25.5	26.1	26.1	26.8	27.4
	12H	21.2	21.8	21.9	22.4	23.2	26.3	26.9	27.0	27.5	28.3
12H	4H	20.6	21.4	21.2	22.0	22.7	23.4	24.1	24.0	24.7	25.4
	6H	21.2	21.8	21.9	22.5	23.2	24.8	25.4	25.4	26.0	26.8
	8H	21.5	22.0	22.1	22.6	23.4	25.6	26.1	26.2	26.8	27.5

Maximum UGR = 28.3

POLAR GRAPH



Maximum Candela = 1642.542 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.)