



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 HI 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 4 HI 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] Two CL116-4000K-R90-A6 CREE G CLASS PRO 9 64UP LED boards with 64 LEDs each.

[BALLAST] One Keystone Technologies KTLD-50-UV-P1400-55-VDIM-LT1 LED driver set at 1,100mA

[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	8557
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	55.9
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	13222	12378	12723
55	11817	11128	11796
65	10165	9760	10841
75	7940	8271	9852
85	3963	6802	9048

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	977.60	N.A.	11.40
0-30	2063.31	N.A.	24.10
0-40	3354.32	N.A.	39.20
0-60	5876.29	N.A.	68.70
0-80	7476.08	N.A.	87.40
0-90	7823.29	N.A.	91.40
10-90	7569.38	N.A.	88.50
20-40	2376.71	N.A.	27.80
20-50	3699.95	N.A.	43.20
40-70	3476.83	N.A.	40.60
60-80	1599.79	N.A.	18.70
70-80	644.94	N.A.	7.50
80-90	347.21	N.A.	4.10
90-110	349.47	N.A.	4.10
90-120	473.95	N.A.	5.50
90-130	572.43	N.A.	6.70
90-150	692.01	N.A.	8.10
90-180	733.44	N.A.	8.60
110-180	383.97	N.A.	4.50
0-180	8556.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.91
10-20	723.69
20-30	1085.7
30-40	1291.01
40-50	1323.24
50-60	1198.74
60-70	954.85
70-80	644.94
80-90	347.21
90-100	195.51
100-110	153.96
110-120	124.48
120-130	98.49
130-140	72.41
140-150	47.16
150-160	26.28
160-170	11.97
170-180	3.17

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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

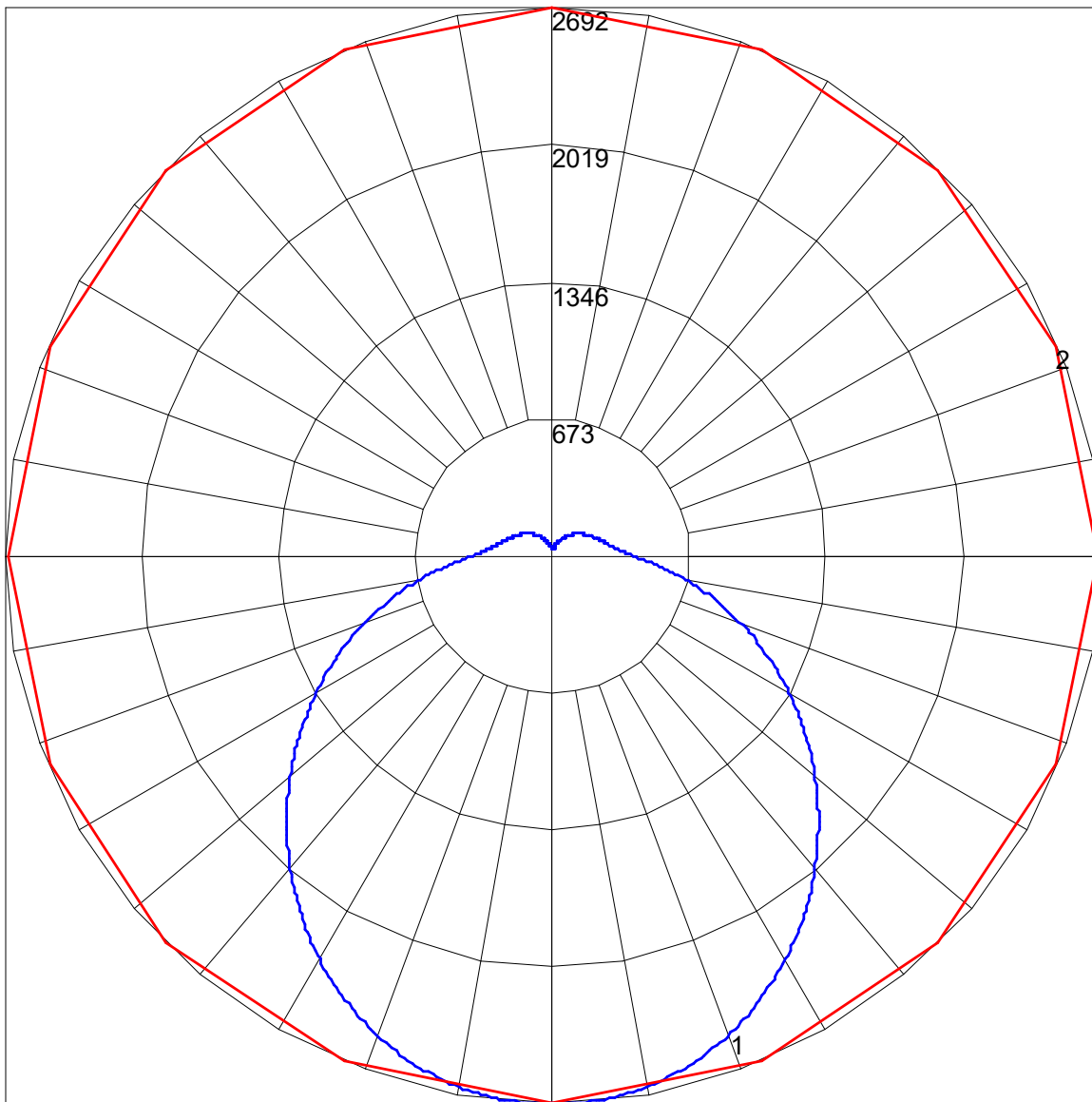
Reflectances

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	18.6	20.1	19.1	20.6	21.1	20.9	22.3	21.4	22.8	23.4
	3H	20.0	21.3	20.5	21.8	22.4	23.2	24.5	23.7	25.0	25.6
	4H	20.4	21.7	21.0	22.2	22.8	24.2	25.5	24.7	26.0	26.6
	6H	20.7	21.9	21.3	22.4	23.0	25.3	26.4	25.8	27.0	27.6
	8H	20.8	21.9	21.3	22.4	23.0	25.8	26.9	26.3	27.4	28.0
	12H	20.8	21.8	21.3	22.4	23.0	26.3	27.4	26.9	27.9	28.6
4H	2H	19.5	20.7	20.0	21.2	21.8	21.3	22.5	21.8	23.0	23.6
	3H	21.1	22.2	21.7	22.7	23.3	23.8	24.8	24.3	25.4	26.0
	4H	21.7	22.6	22.2	23.2	23.8	25.0	26.0	25.6	26.5	27.2
	6H	22.0	22.9	22.6	23.5	24.1	26.2	27.1	26.8	27.7	28.3
	8H	22.1	22.9	22.7	23.5	24.2	26.8	27.6	27.4	28.2	28.9
	12H	22.1	22.9	22.7	23.5	24.2	27.5	28.2	28.1	28.8	29.5
8H	4H	22.3	23.1	22.9	23.7	24.3	25.2	26.0	25.8	26.6	27.2
	6H	22.8	23.5	23.4	24.1	24.8	26.6	27.2	27.2	27.9	28.6
	8H	22.9	23.5	23.6	24.2	24.9	27.3	27.9	27.9	28.6	29.2
	12H	23.0	23.6	23.7	24.2	25.0	28.1	28.7	28.8	29.3	30.1
12H	4H	22.4	23.2	23.0	23.8	24.5	25.2	25.9	25.8	26.5	27.2
	6H	23.0	23.6	23.7	24.3	25.0	26.6	27.2	27.2	27.8	28.6
	8H	23.3	23.8	23.9	24.4	25.2	27.4	27.9	28.0	28.6	29.3

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 2691.659 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.)