



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 VH 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 VH 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-A6 CREE G CLASS PRO 9 64UP LED boards with 64 LEDs each.

[BALLAST] Two Keystone Technologies KTLD-50-UV-P1400-55-VDIM-LT1 LED drivers set at 1,110mA

[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	17492
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	111.7
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	13707	12760	13005
55	12321	11504	12057
65	10700	10130	11081
75	8529	8639	10070
85	4623	7202	9248

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1998.51	N.A.	11.40
0-30	4218.01	N.A.	24.10
0-40	6857.21	N.A.	39.20
0-60	12012.88	N.A.	68.70
0-80	15283.32	N.A.	87.40
0-90	15993.12	N.A.	91.40
10-90	15474.05	N.A.	88.50
20-40	4858.7	N.A.	27.80
20-50	7563.8	N.A.	43.20
40-70	7107.67	N.A.	40.60
60-80	3270.45	N.A.	18.70
70-80	1318.44	N.A.	7.50
80-90	709.80	N.A.	4.10
90-110	714.41	N.A.	4.10
90-120	968.88	N.A.	5.50
90-130	1170.23	N.A.	6.70
90-150	1414.68	N.A.	8.10
90-180	1499.36	N.A.	8.60
110-180	784.95	N.A.	4.50
0-180	17492.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	519.07
10-20	1479.44
20-30	2219.5
30-40	2639.2
40-50	2705.1
50-60	2450.57
60-70	1952.00
70-80	1318.45
80-90	709.80
90-100	399.68
100-110	314.73
110-120	254.47
120-130	201.34
130-140	148.03
140-150	96.42
150-160	53.72
160-170	24.48
170-180	6.49

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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	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

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UGR TABLE - CORRECTED

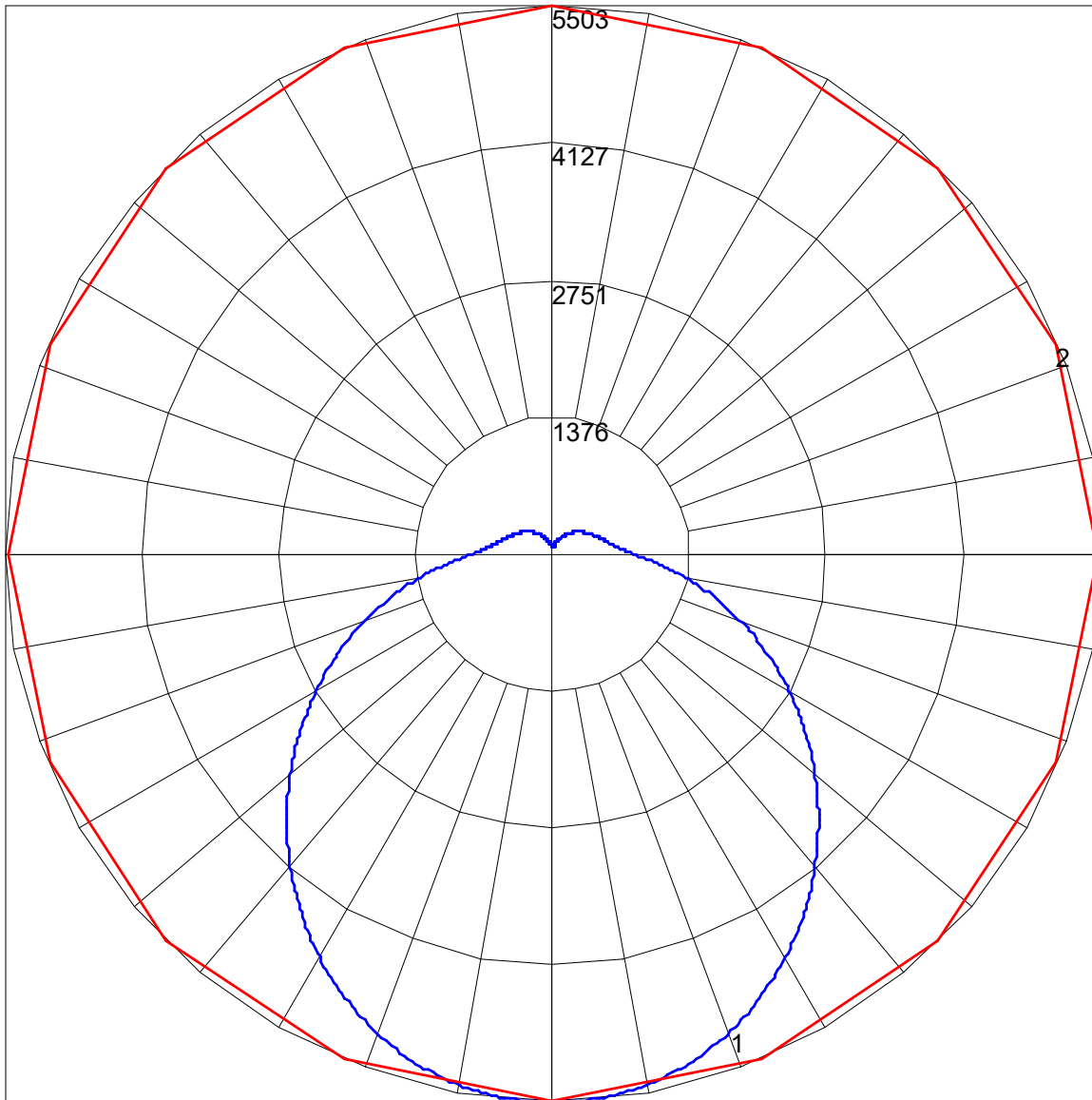
Reflectances

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	22.4	21.4	22.9	23.4
	3H	20.0	21.4	20.5	21.9	22.4	23.2	24.6	23.8	25.1	25.6
	4H	20.5	21.7	21.0	22.2	22.8	24.3	25.6	24.8	26.1	26.7
	6H	20.7	21.9	21.3	22.4	23.0	25.4	26.5	25.9	27.1	27.7
	8H	20.8	21.9	21.3	22.4	23.0	25.9	27.0	26.5	27.6	28.2
	12H	20.8	21.8	21.3	22.4	23.0	26.5	27.6	27.0	28.1	28.7
4H	2H	19.5	20.7	20.0	21.3	21.8	21.3	22.6	21.8	23.1	23.7
	3H	21.1	22.2	21.7	22.8	23.4	23.9	24.9	24.4	25.5	26.1
	4H	21.7	22.6	22.2	23.2	23.9	25.1	26.1	25.7	26.6	27.3
	6H	22.0	22.9	22.6	23.5	24.1	26.3	27.2	26.9	27.8	28.5
	8H	22.1	22.9	22.7	23.5	24.2	27.0	27.8	27.6	28.4	29.0
	12H	22.2	22.9	22.8	23.5	24.2	27.7	28.4	28.3	29.0	29.7
8H	4H	22.3	23.1	22.9	23.7	24.4	25.3	26.1	25.9	26.7	27.3
	6H	22.8	23.5	23.5	24.1	24.8	26.7	27.4	27.3	28.0	28.7
	8H	23.0	23.6	23.6	24.2	24.9	27.4	28.1	28.1	28.7	29.4
	12H	23.1	23.6	23.7	24.2	25.0	28.3	28.9	29.0	29.5	30.2
12H	4H	22.5	23.2	23.1	23.8	24.5	25.3	26.0	25.9	26.6	27.3
	6H	23.1	23.7	23.7	24.3	25.0	26.7	27.3	27.4	27.9	28.7
	8H	23.3	23.8	23.9	24.5	25.2	27.5	28.1	28.2	28.7	29.5

Maximum UGR = 30.2

POLAR GRAPH



Maximum Candela = 5502.545 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.)