



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 HI UV FA 935.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 HI UV FA 935

[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 CL116-3500K-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 1,670mA

[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	12637
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	86.7
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	9902	9218	9395
55	8901	8311	8711
65	7730	7318	8005
75	6162	6241	7275
85	3340	5203	6681

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1443.8	N.A.	11.40
0-30	3047.26	N.A.	24.10
0-40	4953.92	N.A.	39.20
0-60	8678.58	N.A.	68.70
0-80	11041.28	N.A.	87.40
0-90	11554.07	N.A.	91.40
10-90	11179.08	N.A.	88.50
20-40	3510.12	N.A.	27.80
20-50	5464.39	N.A.	43.20
40-70	5134.86	N.A.	40.60
60-80	2362.7	N.A.	18.70
70-80	952.50	N.A.	7.50
80-90	512.79	N.A.	4.10
90-110	516.12	N.A.	4.10
90-120	699.96	N.A.	5.50
90-130	845.42	N.A.	6.70
90-150	1022.02	N.A.	8.10
90-180	1083.2	N.A.	8.60
110-180	567.08	N.A.	4.50
0-180	12637.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	374.99
10-20	1068.81
20-30	1603.46
30-40	1906.66
40-50	1954.27
50-60	1770.39
60-70	1410.2
70-80	952.50
80-90	512.79
90-100	288.75
100-110	227.37
110-120	183.84
120-130	145.46
130-140	106.95
140-150	69.65
150-160	38.81
160-170	17.68
170-180	4.69

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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

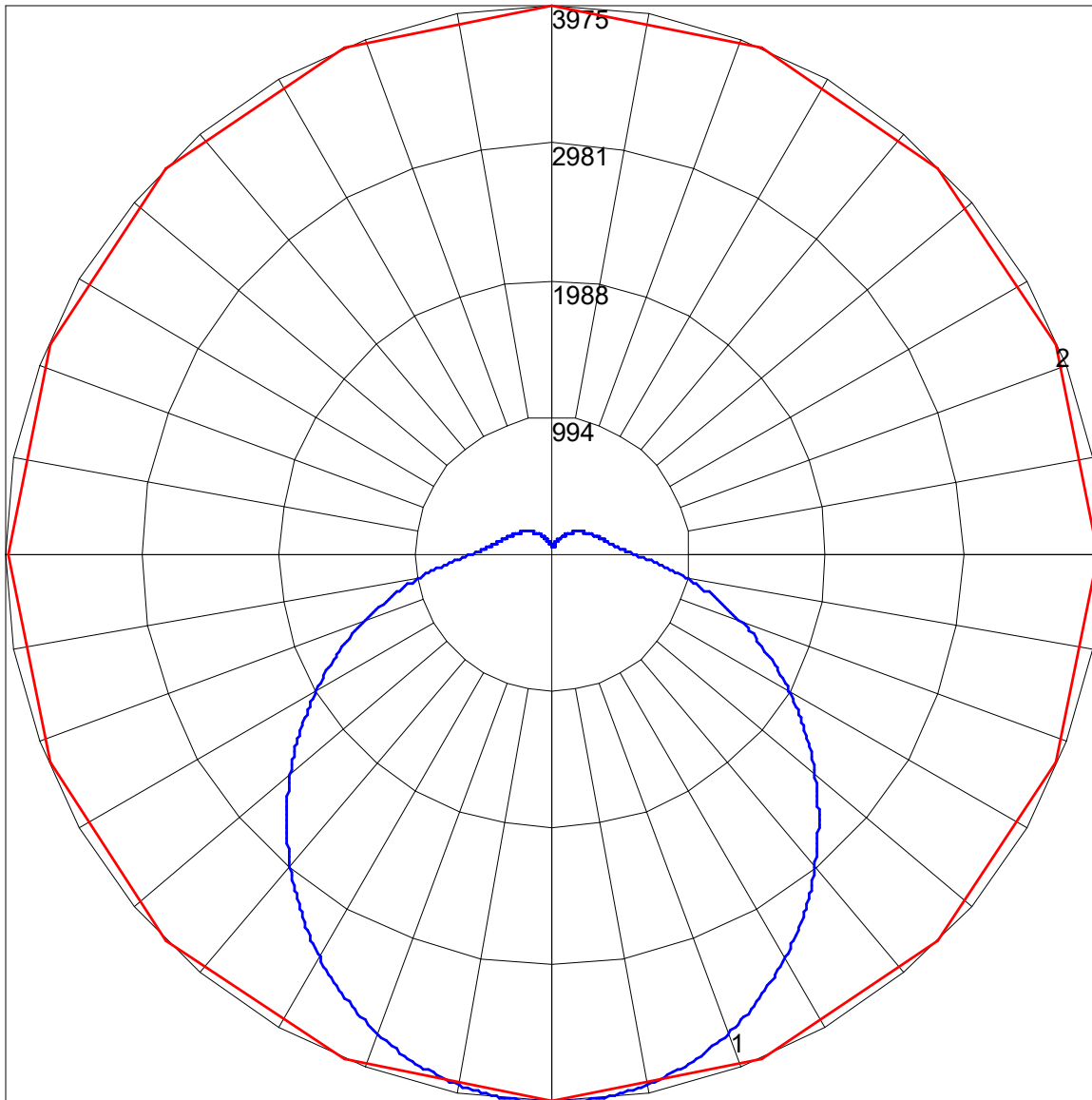
X=2H	Y=2H	17.5	19.0	18.0	19.5	20.0	19.8	21.3	20.3	21.8	22.3
	3H	18.9	20.2	19.4	20.8	21.3	22.1	23.5	22.7	24.0	24.5
	4H	19.4	20.6	19.9	21.1	21.7	23.2	24.5	23.7	25.0	25.6
	6H	19.6	20.8	20.2	21.3	21.9	24.3	25.4	24.8	26.0	26.6
	8H	19.7	20.8	20.2	21.3	21.9	24.8	25.9	25.4	26.5	27.1
	12H	19.7	20.7	20.2	21.3	21.9	25.4	26.5	25.9	27.0	27.6

UGR Viewed Endwise

4H	2H	18.4	19.6	18.9	20.2	20.7	20.2	21.5	20.7	22.0	22.6
	3H	20.0	21.1	20.6	21.7	22.3	22.8	23.8	23.3	24.4	25.0
	4H	20.6	21.5	21.1	22.1	22.8	24.0	25.0	24.6	25.5	26.2
	6H	20.9	21.8	21.5	22.4	23.0	25.2	26.1	25.8	26.7	27.4
	8H	21.0	21.8	21.6	22.4	23.1	25.9	26.7	26.5	27.3	27.9
	12H	21.1	21.8	21.7	22.4	23.1	26.6	27.3	27.2	27.9	28.6
8H	4H	21.2	22.0	21.8	22.6	23.3	24.2	25.0	24.8	25.6	26.2
	6H	21.7	22.4	22.4	23.0	23.7	25.6	26.3	26.2	26.9	27.6
	8H	21.9	22.5	22.5	23.1	23.8	26.3	27.0	27.0	27.6	28.3
	12H	22.0	22.5	22.6	23.1	23.9	27.2	27.8	27.9	28.4	29.1
12H	4H	21.4	22.1	22.0	22.7	23.4	24.2	24.9	24.8	25.5	26.2
	6H	22.0	22.6	22.6	23.2	23.9	25.6	26.2	26.3	26.8	27.6
	8H	22.2	22.7	22.8	23.4	24.1	26.4	27.0	27.1	27.6	28.4

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 3975.259 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.)