



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 VH UV FA 935.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 VH 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] One CL115-3500K-R90-A5-CREE G CLASS PRO9 84UP LED board with 84 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 800mA

[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	5002
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	35.1
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	14781	14191	14990
55	12959	12634	13926
65	10901	10986	12815
75	8194	9196	11653
85	3567	7453	10778

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	576.26	N.A.	11.50
0-30	1214.06	N.A.	24.30
0-40	1969.55	N.A.	39.40
0-60	3437.73	N.A.	68.70
0-80	4367.71	N.A.	87.30
0-90	4572.25	N.A.	91.40
10-90	4422.39	N.A.	88.40
20-40	1393.3	N.A.	27.90
20-50	2164.71	N.A.	43.30
40-70	2022.67	N.A.	40.40
60-80	929.99	N.A.	18.60
70-80	375.49	N.A.	7.50
80-90	204.53	N.A.	4.10
90-110	205.41	N.A.	4.10
90-120	277.52	N.A.	5.50
90-130	334.53	N.A.	6.70
90-150	404.72	N.A.	8.10
90-180	430.10	N.A.	8.60
110-180	224.69	N.A.	4.50
0-180	5002.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.85
10-20	426.41
20-30	637.80
30-40	755.49
40-50	771.41
50-60	696.76
60-70	554.49
70-80	375.49
80-90	204.53
90-100	115.68
100-110	89.74
110-120	72.11
120-130	57.01
130-140	42.16
140-150	28.03
150-160	16.11
160-170	7.44
170-180	1.83

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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	51	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	44	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

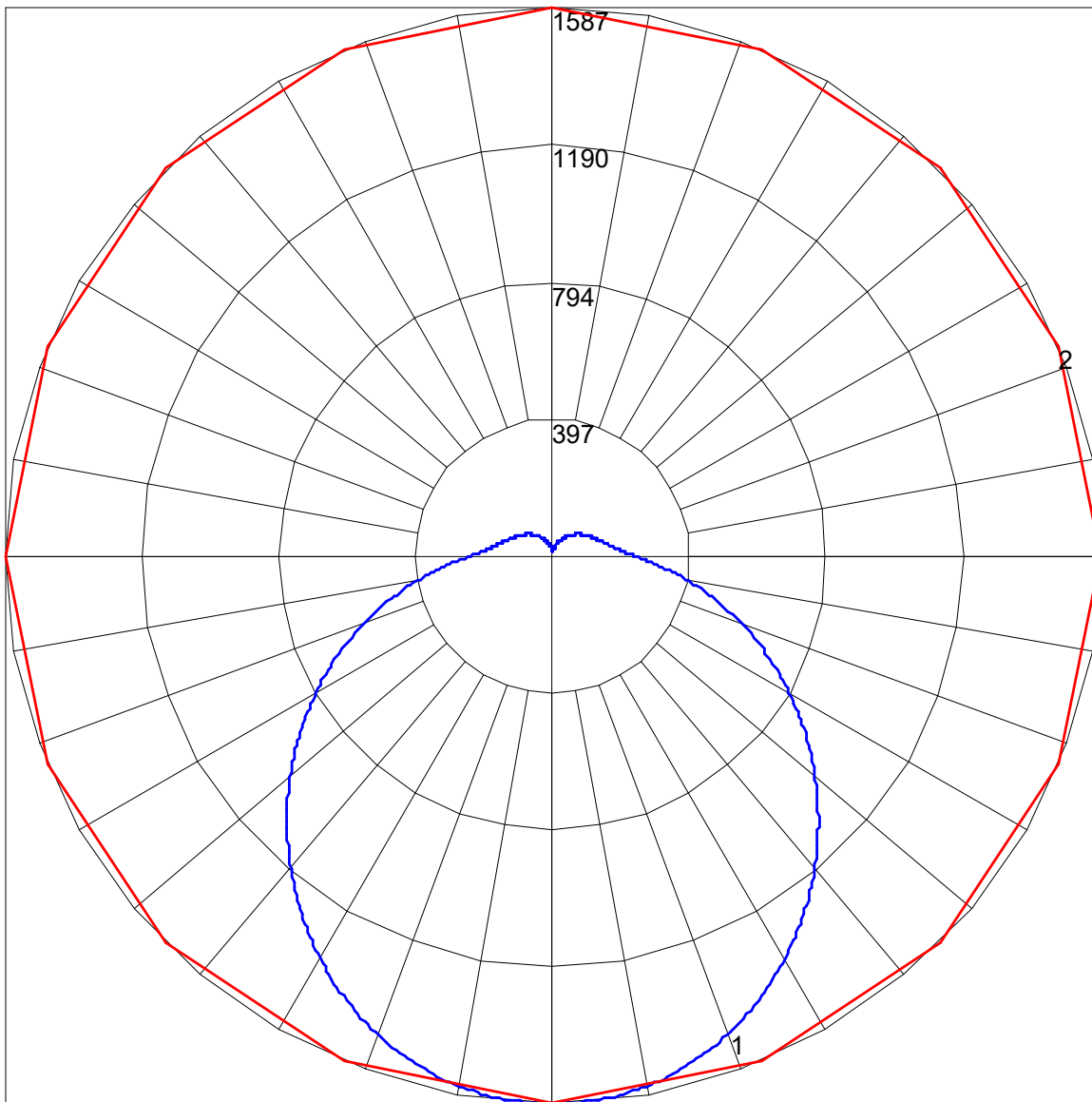
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UGR TABLE - CORRECTED

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	18.9	20.4	19.4	20.9	21.4	21.3	22.8	21.8	23.3	23.8
	3H	20.3	21.7	20.8	22.2	22.7	23.6	24.9	24.1	25.4	26.0
	4H	20.8	22.0	21.3	22.5	23.1	24.6	25.8	25.1	26.4	26.9
	6H	21.0	22.2	21.6	22.7	23.3	25.6	26.8	26.1	27.3	27.9
	8H	21.1	22.2	21.6	22.7	23.3	26.1	27.2	26.6	27.7	28.4
	12H	21.1	22.1	21.6	22.7	23.3	26.6	27.6	27.1	28.2	28.8
4H	2H	19.8	21.1	20.3	21.6	22.2	21.7	22.9	22.2	23.5	24.0
	3H	21.4	22.5	22.0	23.1	23.7	24.2	25.2	24.7	25.8	26.4
	4H	22.0	22.9	22.5	23.5	24.1	25.4	26.3	25.9	26.9	27.5
	6H	22.3	23.2	22.9	23.8	24.4	26.6	27.4	27.1	28.0	28.7
	8H	22.4	23.2	23.0	23.8	24.5	27.1	27.9	27.7	28.5	29.2
	12H	22.4	23.2	23.1	23.8	24.5	27.8	28.5	28.4	29.1	29.8
8H	4H	22.6	23.4	23.2	24.0	24.6	25.5	26.3	26.1	26.9	27.6
	6H	23.1	23.8	23.7	24.4	25.1	26.9	27.6	27.5	28.2	28.9
	8H	23.2	23.9	23.9	24.5	25.2	27.6	28.2	28.2	28.9	29.5
	12H	23.3	23.9	24.0	24.5	25.3	28.4	28.9	29.0	29.6	30.3
12H	4H	22.7	23.5	23.4	24.1	24.8	25.5	26.3	26.1	26.9	27.6
	6H	23.3	24.0	24.0	24.6	25.3	26.9	27.5	27.6	28.1	28.9
	8H	23.6	24.1	24.2	24.7	25.5	27.7	28.2	28.3	28.9	29.6

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 1587.038 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.)