



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 VH 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 4 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] Two CL115-3500K-R90-A5 CREE G CLASS PRO 9 84UP LED boards with 84 LEDs each.

[BALLAST] One Keystone Technologies KTLD-85-UV-P2300-55-VDIM-LT2 LED driver set at 1,580mA

[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	10364
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	71.6
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	16015	14992	15410
55	14312	13479	14287
65	12311	11822	13130
75	9617	10017	11932
85	4800	8239	10959

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1184.06	N.A.	11.40
0-30	2499.06	N.A.	24.10
0-40	4062.71	N.A.	39.20
0-60	7117.3	N.A.	68.70
0-80	9054.95	N.A.	87.40
0-90	9475.49	N.A.	91.40
10-90	9167.95	N.A.	88.50
20-40	2878.65	N.A.	27.80
20-50	4481.34	N.A.	43.20
40-70	4211.1	N.A.	40.60
60-80	1937.65	N.A.	18.70
70-80	781.14	N.A.	7.50
80-90	420.54	N.A.	4.10
90-110	423.27	N.A.	4.10
90-120	574.04	N.A.	5.50
90-130	693.33	N.A.	6.70
90-150	838.16	N.A.	8.10
90-180	888.33	N.A.	8.60
110-180	465.06	N.A.	4.50
0-180	10363.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	307.53
10-20	876.53
20-30	1314.99
30-40	1563.65
40-50	1602.7
50-60	1451.89
60-70	1156.51
70-80	781.14
80-90	420.54
90-100	236.80
100-110	186.47
110-120	150.77
120-130	119.29
130-140	87.71
140-150	57.12
150-160	31.83
160-170	14.50
170-180	3.85

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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	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	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

X=2H	Y=2H	19.2	20.7	19.7	21.2	21.7	21.5	22.9	22.0	23.4	24.0
	3H	20.6	21.9	21.1	22.4	23.0	23.8	25.1	24.3	25.6	26.2
	4H	21.0	22.3	21.6	22.8	23.4	24.8	26.1	25.3	26.6	27.2
	6H	21.3	22.5	21.9	23.0	23.6	25.9	27.0	26.4	27.6	28.2
	8H	21.4	22.5	21.9	23.0	23.6	26.4	27.5	26.9	28.0	28.6
	12H	21.4	22.4	21.9	23.0	23.6	26.9	28.0	27.5	28.5	29.2

UGR Viewed Endwise

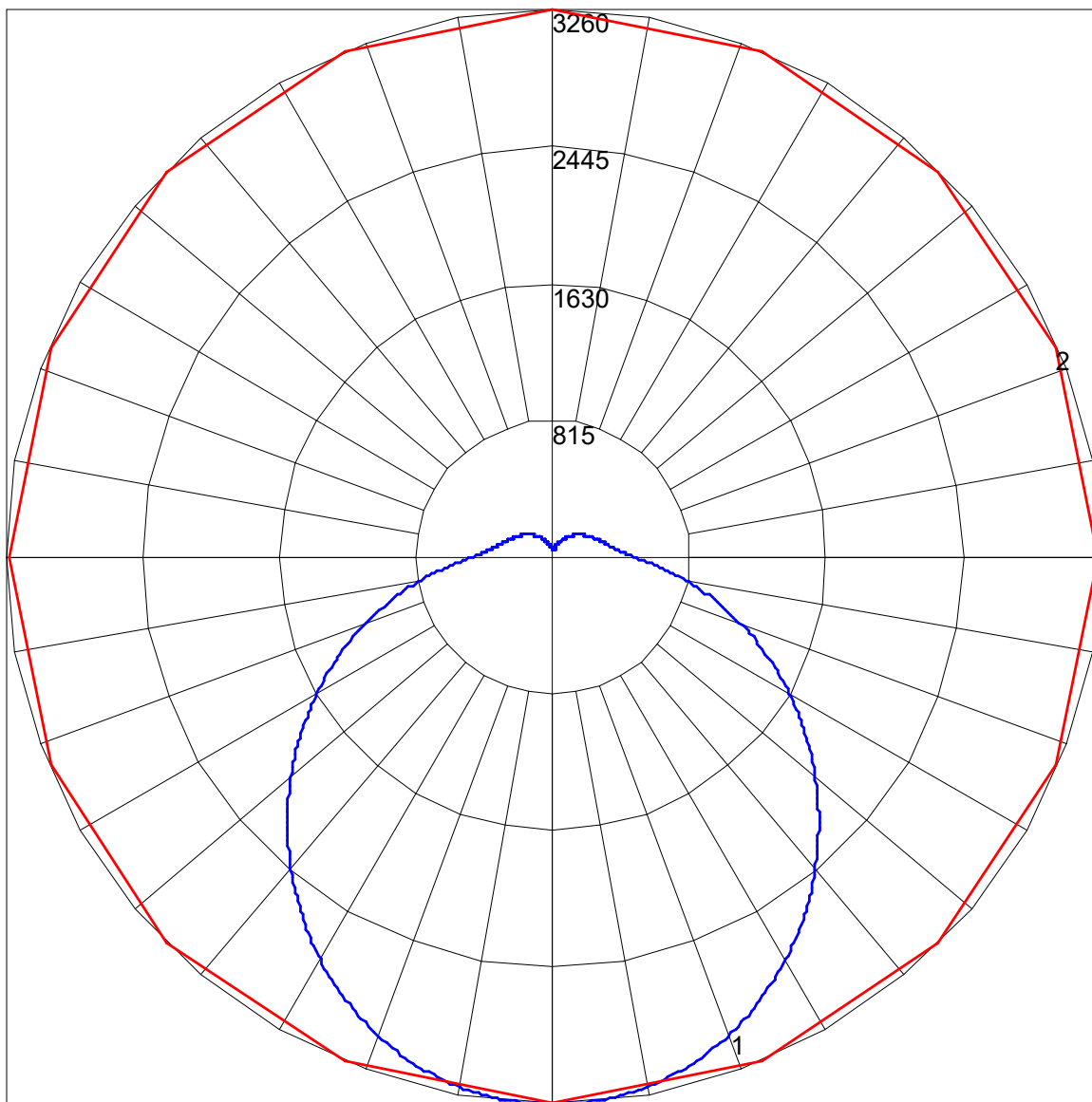
4H	2H	20.1	21.3	20.6	21.8	22.4	21.9	23.1	22.4	23.6	24.2
	3H	21.7	22.8	22.3	23.3	23.9	24.4	25.4	24.9	26.0	26.6
	4H	22.3	23.2	22.8	23.8	24.4	25.6	26.6	26.2	27.1	27.8
	6H	22.6	23.5	23.2	24.1	24.7	26.8	27.7	27.4	28.3	28.9
	8H	22.7	23.5	23.3	24.1	24.8	27.4	28.2	28.0	28.8	29.5
	12H	22.7	23.5	23.3	24.1	24.8	28.1	28.8	28.7	29.4	30.1

8H	4H	22.9	23.7	23.5	24.3	24.9	25.8	26.6	26.4	27.2	27.8
	6H	23.4	24.1	24.0	24.7	25.4	27.2	27.8	27.8	28.5	29.2
	8H	23.5	24.1	24.2	24.8	25.5	27.9	28.5	28.5	29.2	29.8
	12H	23.6	24.2	24.3	24.8	25.6	28.7	29.3	29.4	29.9	30.7

12H	4H	23.0	23.8	23.6	24.4	25.1	25.8	26.5	26.4	27.1	27.8
	6H	23.6	24.2	24.3	24.9	25.6	27.2	27.8	27.8	28.4	29.2
	8H	23.9	24.4	24.5	25.0	25.8	28.0	28.5	28.6	29.2	29.9

Maximum UGR = 30.7

POLAR GRAPH



Maximum Candela = 3260.107 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.)