



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 MD 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 MD 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 1,380mA

[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	10532
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	70.8
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	8253	7682	7830
55	7419	6926	7260
65	6443	6099	6672
75	5135	5202	6063
85	2783	4336	5568

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1203.28	N.A.	11.40
0-30	2539.62	N.A.	24.10
0-40	4128.65	N.A.	39.20
0-60	7232.82	N.A.	68.70
0-80	9201.92	N.A.	87.40
0-90	9629.29	N.A.	91.40
10-90	9316.76	N.A.	88.50
20-40	2925.37	N.A.	27.80
20-50	4554.08	N.A.	43.20
40-70	4279.45	N.A.	40.60
60-80	1969.1	N.A.	18.70
70-80	793.82	N.A.	7.50
80-90	427.36	N.A.	4.10
90-110	430.14	N.A.	4.10
90-120	583.35	N.A.	5.50
90-130	704.58	N.A.	6.70
90-150	851.76	N.A.	8.10
90-180	902.75	N.A.	8.60
110-180	472.61	N.A.	4.50
0-180	10532.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	312.52
10-20	890.76
20-30	1336.34
30-40	1589.03
40-50	1628.71
50-60	1475.46
60-70	1175.28
70-80	793.82
80-90	427.36
90-100	240.64
100-110	189.50
110-120	153.22
120-130	121.23
130-140	89.13
140-150	58.05
150-160	32.34
160-170	14.74
170-180	3.91

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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	16.9	18.4	17.4	18.9	19.4	UGR Viewed Endwise			
	3H	18.3	19.7	18.8	20.2	20.7	19.2	20.7	19.7	21.2
	4H	18.8	20.0	19.3	20.5	21.1	21.6	22.9	22.1	23.4
	6H	19.0	20.2	19.6	20.7	21.3	22.6	23.9	23.1	24.4
	8H	19.1	20.2	19.6	20.7	21.3	23.7	24.8	24.2	25.4
	12H	19.1	20.1	19.6	20.7	21.3	24.2	25.3	24.8	25.9

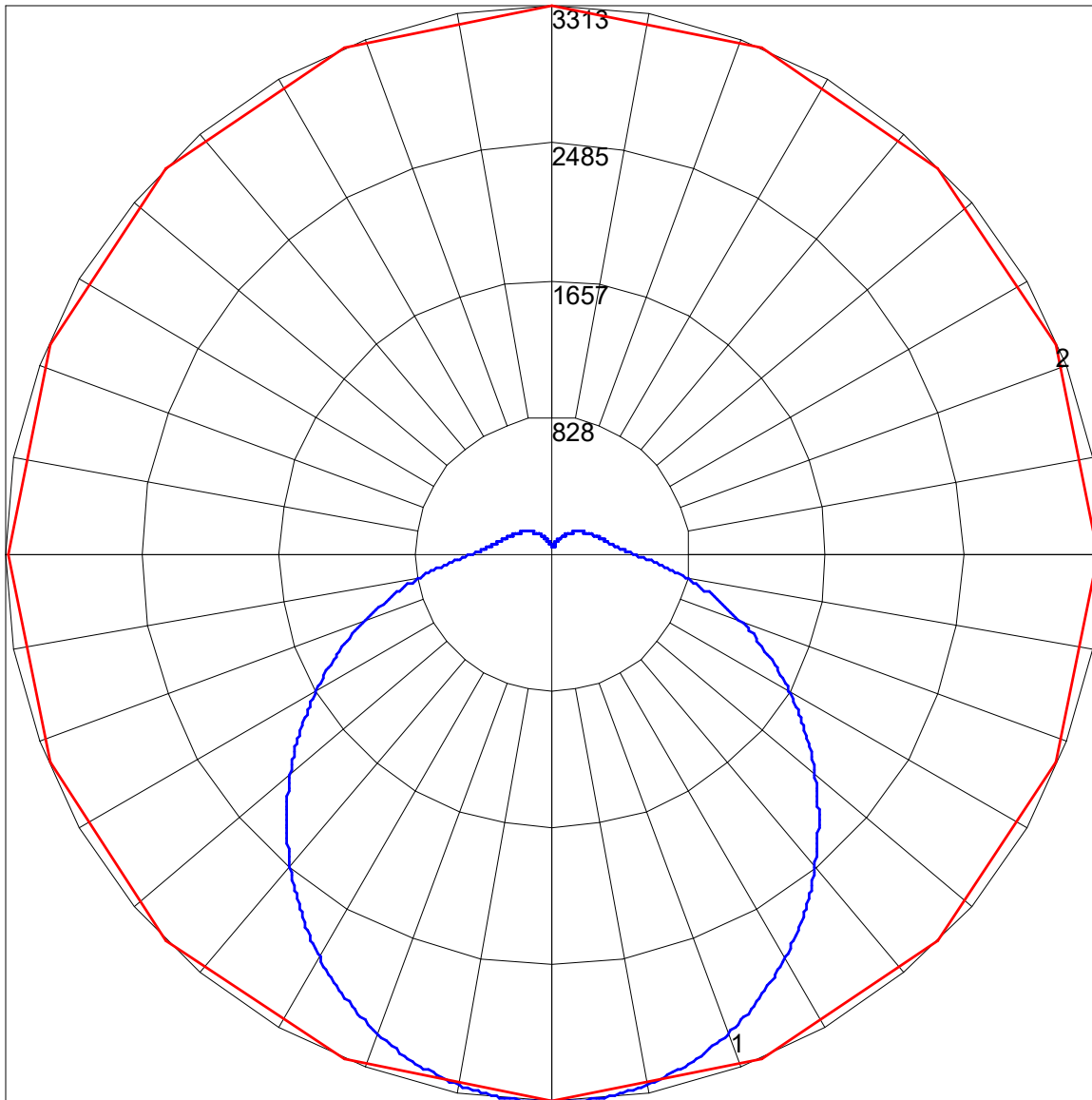
4H	2H	17.8	19.0	18.3	19.6	20.1	24.8	25.9	25.3	26.4
	3H	19.4	20.5	20.0	21.1	21.7	26.0	26.7	26.6	27.3
	4H	20.0	20.9	20.5	21.5	22.2	26.0	26.7	26.6	27.3
	6H	20.3	21.2	20.9	21.8	22.4	26.0	26.7	26.6	27.3
	8H	20.4	21.2	21.0	21.8	22.5	26.0	26.7	26.6	27.3
	12H	20.5	21.2	21.1	21.8	22.5	26.0	26.7	26.6	27.3

8H	4H	20.6	21.4	21.2	22.0	22.7	26.0	26.7	26.6	27.3
	6H	21.1	21.8	21.8	22.4	23.1	26.0	26.7	26.6	27.3
	8H	21.3	21.9	21.9	22.5	23.2	26.0	26.7	26.6	27.3
	12H	21.4	21.9	22.0	22.5	23.3	26.0	26.7	26.6	27.3

12H	4H	20.8	21.5	21.4	22.1	22.8	26.0	26.7	26.6	27.3
	6H	21.4	22.0	22.0	22.6	23.3	26.0	26.7	26.6	27.3
	8H	21.6	22.1	22.2	22.8	23.5	26.0	26.7	26.6	27.3

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 3313.024 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.)