



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 VH UV FA 935.IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 8 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] Four CL116-3500K-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	16800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
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	13164	12254	12490
55	11833	11048	11580
65	10277	9728	10642
75	8191	8297	9671
85	4440	6917	8882

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1919.36	N.A.	11.40
0-30	4050.96	N.A.	24.10
0-40	6585.64	N.A.	39.20
0-60	11537.12	N.A.	68.70
0-80	14678.04	N.A.	87.40
0-90	15359.73	N.A.	91.40
10-90	14861.22	N.A.	88.50
20-40	4666.28	N.A.	27.80
20-50	7264.24	N.A.	43.20
40-70	6826.18	N.A.	40.60
60-80	3140.92	N.A.	18.70
70-80	1266.23	N.A.	7.50
80-90	681.69	N.A.	4.10
90-110	686.12	N.A.	4.10
90-120	930.51	N.A.	5.50
90-130	1123.88	N.A.	6.70
90-150	1358.65	N.A.	8.10
90-180	1439.98	N.A.	8.60
110-180	753.87	N.A.	4.50
0-180	16799.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	498.51
10-20	1420.85
20-30	2131.6
30-40	2534.68
40-50	2597.97
50-60	2353.52
60-70	1874.69
70-80	1266.23
80-90	681.69
90-100	383.85
100-110	302.27
110-120	244.40
120-130	193.37
130-140	142.17
140-150	92.60
150-160	51.59
160-170	23.51
170-180	6.23

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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	18.5	20.0	19.0	20.5	21.0	UGR Viewed Endwise			
	3H	19.9	21.2	20.4	21.8	22.3	20.8	22.3	21.3	22.8
	4H	20.4	21.6	20.9	22.1	22.7	23.1	24.5	23.7	25.0
	6H	20.6	21.8	21.2	22.3	22.9	24.2	25.5	24.7	26.0
	8H	20.7	21.8	21.2	22.3	22.9	25.3	26.4	25.8	27.0
	12H	20.7	21.7	21.2	22.3	22.9	25.8	26.9	26.4	27.5
							26.4	27.5	26.9	28.0

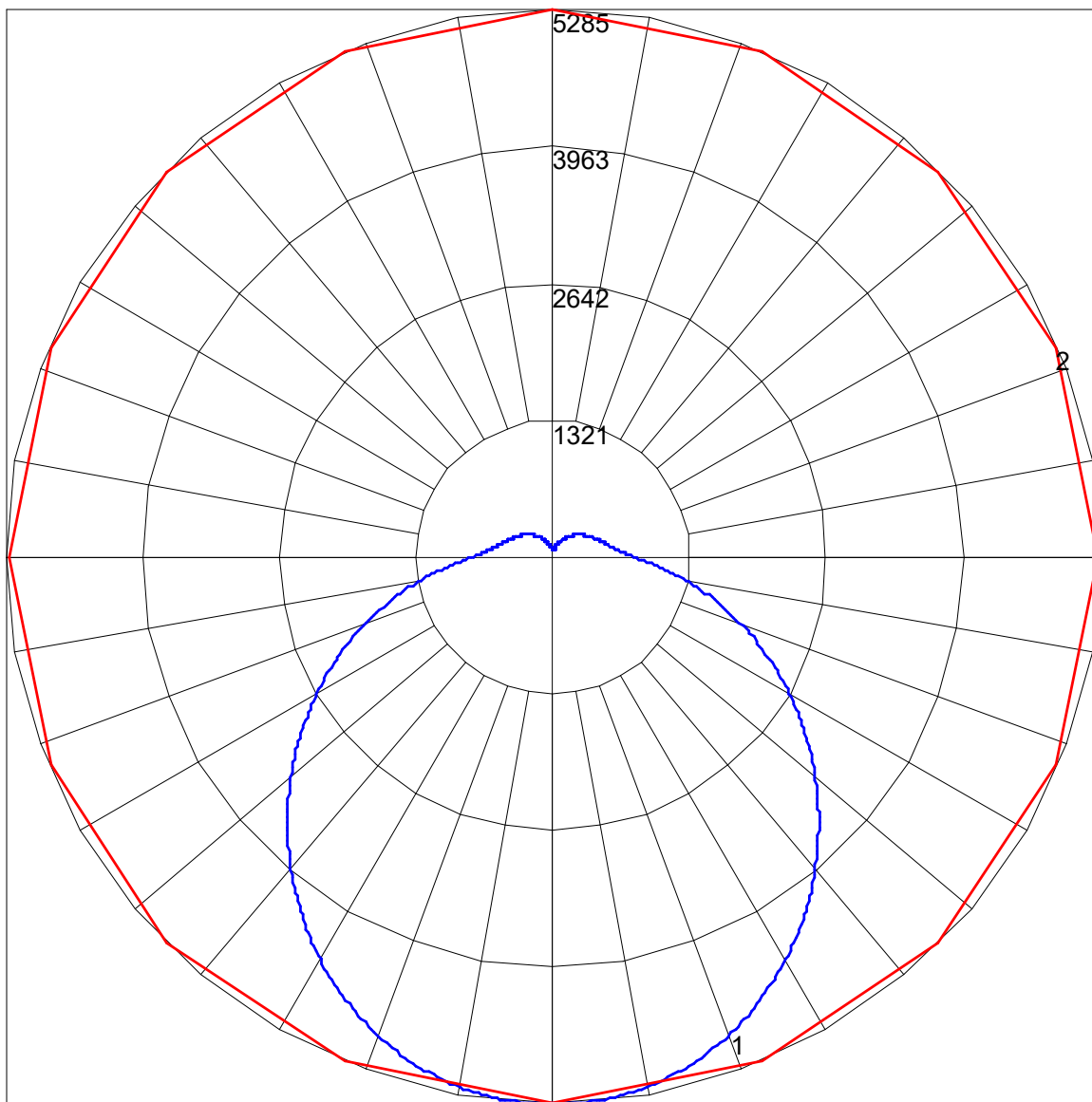
4H	2H	19.4	20.6	19.9	21.2	21.7	21.2	22.5	21.7	23.0
	3H	21.0	22.1	21.6	22.7	23.3	23.8	24.8	24.3	25.4
	4H	21.6	22.5	22.1	23.1	23.8	25.0	26.0	25.6	26.5
	6H	21.9	22.8	22.5	23.4	24.0	26.2	27.1	26.8	27.7
	8H	22.0	22.8	22.6	23.4	24.1	26.9	27.7	27.5	28.3
	12H	22.1	22.8	22.7	23.4	24.1	27.6	28.3	28.2	28.9

8H	4H	22.2	23.0	22.8	23.6	24.3	25.2	26.0	25.8	26.6
	6H	22.7	23.4	23.4	24.0	24.7	26.6	27.3	27.2	27.9
	8H	22.9	23.5	23.5	24.1	24.8	27.3	28.0	28.0	28.6
	12H	23.0	23.5	23.6	24.1	24.9	28.2	28.8	28.9	29.4

12H	4H	22.4	23.1	23.0	23.7	24.4	25.2	25.9	25.8	26.5
	6H	23.0	23.6	23.6	24.2	24.9	26.6	27.2	27.3	27.8
	8H	23.2	23.7	23.8	24.4	25.1	27.4	28.0	28.1	28.6

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 5284.623 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.)