



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 4 VH UV FA 930.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 930

[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 CL115-3000K-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	10257
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	15850	14837	15251
55	14165	13340	14140
65	12184	11700	12995
75	9518	9914	11809
85	4751	8154	10846

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1171.85	N.A.	11.40
0-30	2473.29	N.A.	24.10
0-40	4020.83	N.A.	39.20
0-60	7043.93	N.A.	68.70
0-80	8961.6	N.A.	87.40
0-90	9377.8	N.A.	91.40
10-90	9073.44	N.A.	88.50
20-40	2848.97	N.A.	27.80
20-50	4435.15	N.A.	43.20
40-70	4167.69	N.A.	40.60
60-80	1917.67	N.A.	18.70
70-80	773.09	N.A.	7.50
80-90	416.20	N.A.	4.10
90-110	418.91	N.A.	4.10
90-120	568.12	N.A.	5.50
90-130	686.18	N.A.	6.70
90-150	829.52	N.A.	8.10
90-180	879.17	N.A.	8.60
110-180	460.27	N.A.	4.50
0-180	10256.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	304.36
10-20	867.49
20-30	1301.44
30-40	1547.53
40-50	1586.17
50-60	1436.93
60-70	1144.58
70-80	773.09
80-90	416.20
90-100	234.36
100-110	184.55
110-120	149.21
120-130	118.06
130-140	86.80
140-150	56.53
150-160	31.50
160-170	14.35
170-180	3.81

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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	36	29	24	34	28	23	33	27	23	21

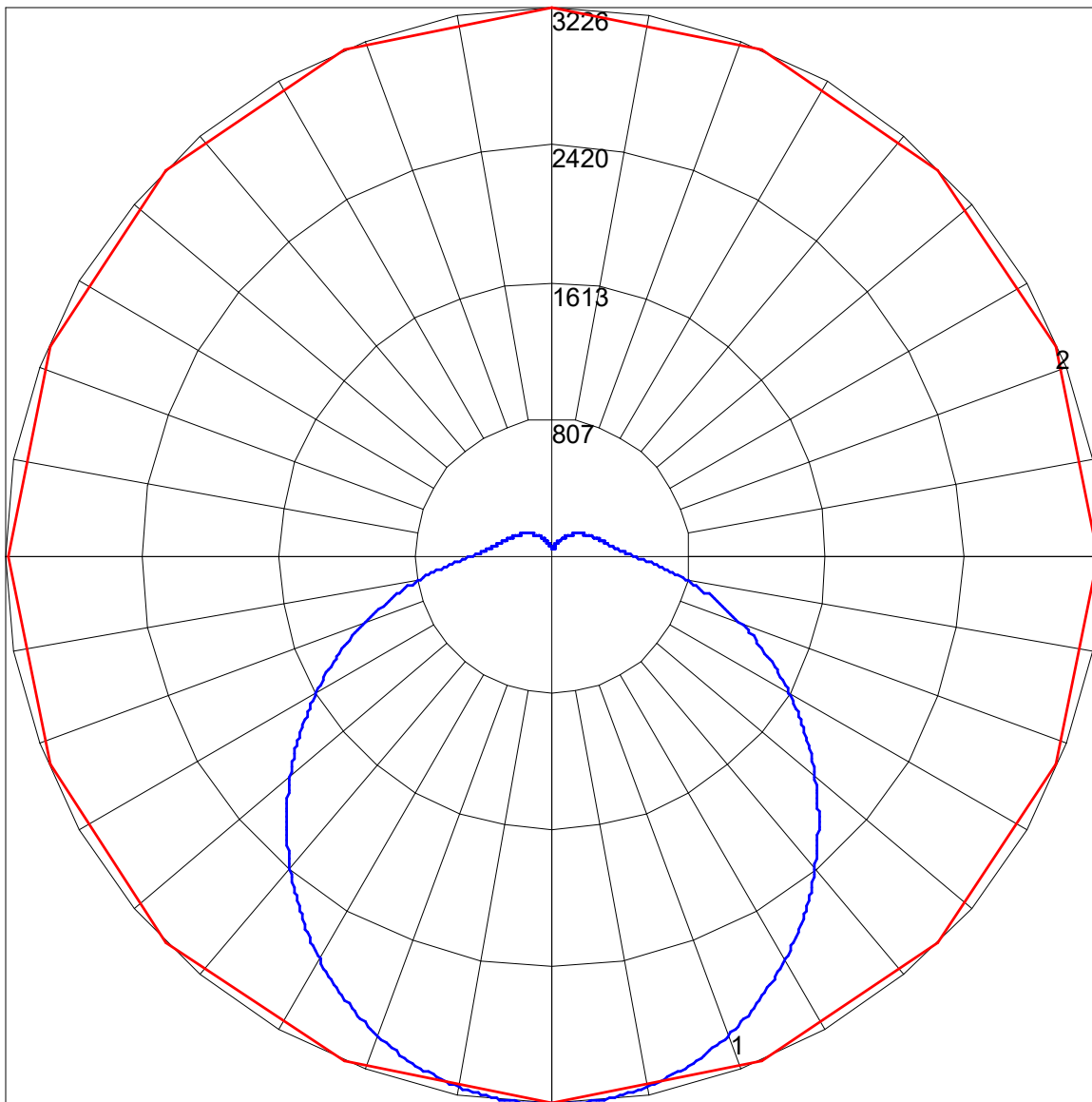
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
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
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 = 3226.499 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.)