



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 2 VH UV FA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002568-003A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 2 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] One CL115-3000K-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	4951
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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	14628	14045	14836
55	12826	12504	13782
65	10789	10873	12683
75	8109	9102	11533
85	3530	7376	10667

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	570.32	N.A.	11.50
0-30	1201.54	N.A.	24.30
0-40	1949.25	N.A.	39.40
0-60	3402.29	N.A.	68.70
0-80	4322.68	N.A.	87.30
0-90	4525.11	N.A.	91.40
10-90	4376.8	N.A.	88.40
20-40	1378.93	N.A.	27.90
20-50	2142.39	N.A.	43.30
40-70	2001.82	N.A.	40.40
60-80	920.40	N.A.	18.60
70-80	371.62	N.A.	7.50
80-90	202.42	N.A.	4.10
90-110	203.30	N.A.	4.10
90-120	274.66	N.A.	5.50
90-130	331.09	N.A.	6.70
90-150	400.55	N.A.	8.10
90-180	425.67	N.A.	8.60
110-180	222.37	N.A.	4.50
0-180	4950.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	148.31
10-20	422.01
20-30	631.23
30-40	747.71
40-50	763.46
50-60	689.58
60-70	548.78
70-80	371.62
80-90	202.42
90-100	114.48
100-110	88.81
110-120	71.37
120-130	56.42
130-140	41.73
140-150	27.74
150-160	15.95
160-170	7.36
170-180	1.81

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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	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	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	43	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

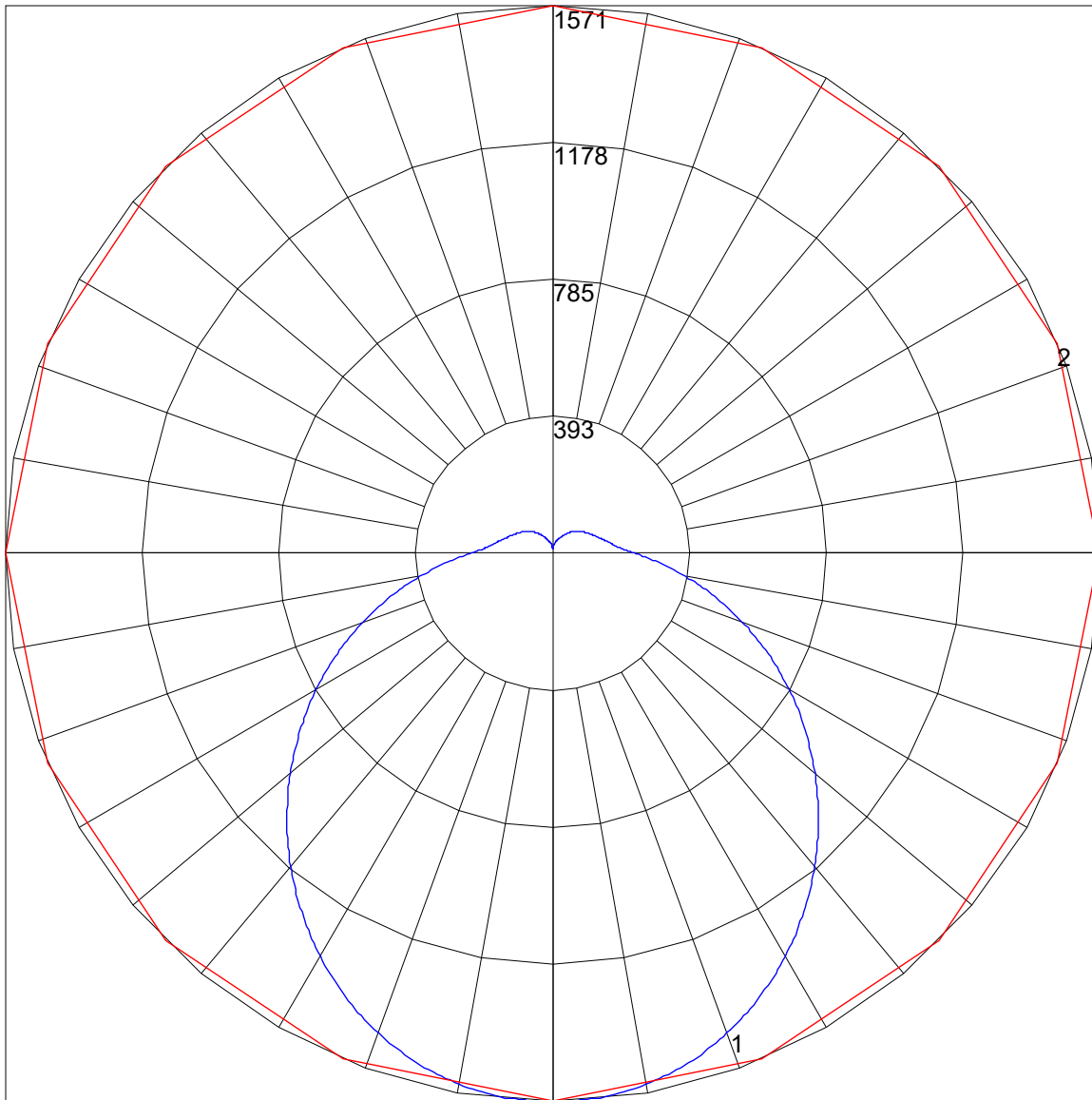
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UGR TABLE - CORRECTED

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	24.2	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 = 1570.676 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.)