



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 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 8 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] Four CL116-3000K-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	16627
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
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	13028	12128	12361
55	11711	10934	11460
65	10171	9628	10532
75	8107	8211	9571
85	4394	6846	8791

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1899.57	N.A.	11.40
0-30	4009.2	N.A.	24.10
0-40	6517.74	N.A.	39.20
0-60	11418.18	N.A.	68.70
0-80	14526.72	N.A.	87.40
0-90	15201.38	N.A.	91.40
10-90	14708.01	N.A.	88.50
20-40	4618.17	N.A.	27.80
20-50	7189.35	N.A.	43.20
40-70	6755.8	N.A.	40.60
60-80	3108.54	N.A.	18.70
70-80	1253.18	N.A.	7.50
80-90	674.66	N.A.	4.10
90-110	679.04	N.A.	4.10
90-120	920.92	N.A.	5.50
90-130	1112.29	N.A.	6.70
90-150	1344.64	N.A.	8.10
90-180	1425.14	N.A.	8.60
110-180	746.09	N.A.	4.50
0-180	16626.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	493.37
10-20	1406.2
20-30	2109.62
30-40	2508.55
40-50	2571.18
50-60	2329.25
60-70	1855.37
70-80	1253.18
80-90	674.66
90-100	379.89
100-110	299.15
110-120	241.88
120-130	191.37
130-140	140.71
140-150	91.64
150-160	51.06
160-170	23.27
170-180	6.17

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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	69	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

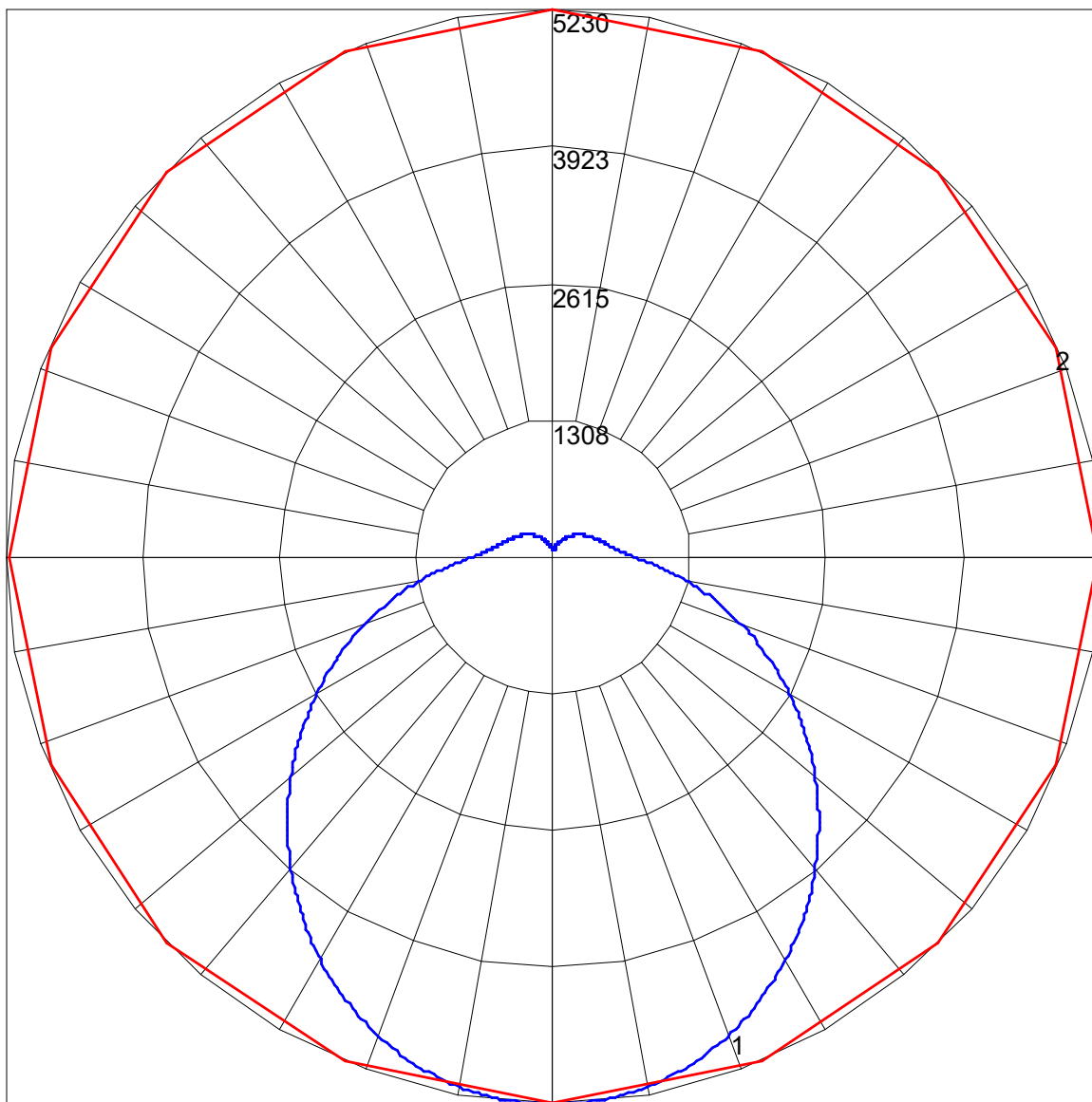
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	18.5	20.0	19.0	20.5	21.0	20.8	22.3	21.3	22.8	23.3
	3H	19.9	21.3	20.4	21.8	22.3	23.1	24.5	23.7	25.0	25.5
	4H	20.4	21.6	20.9	22.1	22.7	24.2	25.5	24.7	26.0	26.6
	6H	20.6	21.8	21.2	22.3	22.9	25.3	26.4	25.8	27.0	27.6
	8H	20.7	21.8	21.2	22.3	22.9	25.8	26.9	26.4	27.5	28.1
	12H	20.7	21.7	21.2	22.3	22.9	26.4	27.5	26.9	28.0	28.6
4H	2H	19.4	20.6	19.9	21.2	21.7	21.2	22.5	21.7	23.0	23.6
	3H	21.0	22.1	21.6	22.7	23.3	23.8	24.8	24.3	25.4	26.0
	4H	21.6	22.5	22.1	23.1	23.8	25.0	26.0	25.6	26.5	27.2
	6H	21.9	22.8	22.5	23.4	24.0	26.2	27.1	26.8	27.7	28.4
	8H	22.0	22.8	22.6	23.4	24.1	26.9	27.7	27.5	28.3	28.9
	12H	22.1	22.8	22.7	23.4	24.1	27.6	28.3	28.2	28.9	29.6
8H	4H	22.2	23.0	22.8	23.6	24.3	25.2	26.0	25.8	26.6	27.2
	6H	22.7	23.4	23.4	24.0	24.7	26.6	27.3	27.2	27.9	28.6
	8H	22.9	23.5	23.5	24.1	24.8	27.3	28.0	28.0	28.6	29.3
	12H	23.0	23.5	23.6	24.1	24.9	28.2	28.8	28.9	29.4	30.1
12H	4H	22.4	23.1	23.0	23.7	24.4	25.2	25.9	25.8	26.5	27.2
	6H	23.0	23.6	23.6	24.2	24.9	26.6	27.2	27.3	27.8	28.6
	8H	23.2	23.7	23.8	24.4	25.1	27.4	28.0	28.1	28.6	29.4

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 5230.141 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.)