



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002568-003A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 2 HI 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 CL116-3000K-R90-A6-CREE G CLASS PRO9 64UP LED board with 64 LEDs.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 570mA

[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	4018
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	28.7
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	11873	11399	12041
55	10409	10149	11186
65	8756	8824	10293
75	6582	7387	9360
85	2865	5987	8657

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	462.87	N.A.	11.50
0-30	975.18	N.A.	24.30
0-40	1582.03	N.A.	39.40
0-60	2761.32	N.A.	68.70
0-80	3508.33	N.A.	87.30
0-90	3672.62	N.A.	91.40
10-90	3552.25	N.A.	88.40
20-40	1119.15	N.A.	27.90
20-50	1738.78	N.A.	43.30
40-70	1624.69	N.A.	40.40
60-80	747.00	N.A.	18.60
70-80	301.61	N.A.	7.50
80-90	164.29	N.A.	4.10
90-110	165.00	N.A.	4.10
90-120	222.92	N.A.	5.50
90-130	268.71	N.A.	6.70
90-150	325.09	N.A.	8.10
90-180	345.48	N.A.	8.60
110-180	180.48	N.A.	4.50
0-180	4018.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	120.37
10-20	342.51
20-30	512.31
30-40	606.84
40-50	619.63
50-60	559.67
60-70	445.39
70-80	301.61
80-90	164.29
90-100	92.92
100-110	72.08
110-120	57.92
120-130	45.79
130-140	33.86
140-150	22.51
150-160	12.94
160-170	5.98
170-180	1.47

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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

X=2H	Y=2H	18.1	19.6	18.6	20.1	20.6	UGR Viewed Endwise			
	3H	19.5	20.9	20.0	21.4	21.9	20.5	22.0	21.0	22.5
	4H	20.0	21.2	20.5	21.7	22.3	22.8	24.1	23.3	24.6
	6H	20.2	21.4	20.8	21.9	22.5	23.8	25.0	24.3	25.6
	8H	20.3	21.4	20.8	21.9	22.5	24.8	26.0	25.3	26.5
	12H	20.3	21.3	20.8	21.9	22.5	25.3	26.4	25.8	26.9
							25.8	26.8	26.3	27.4

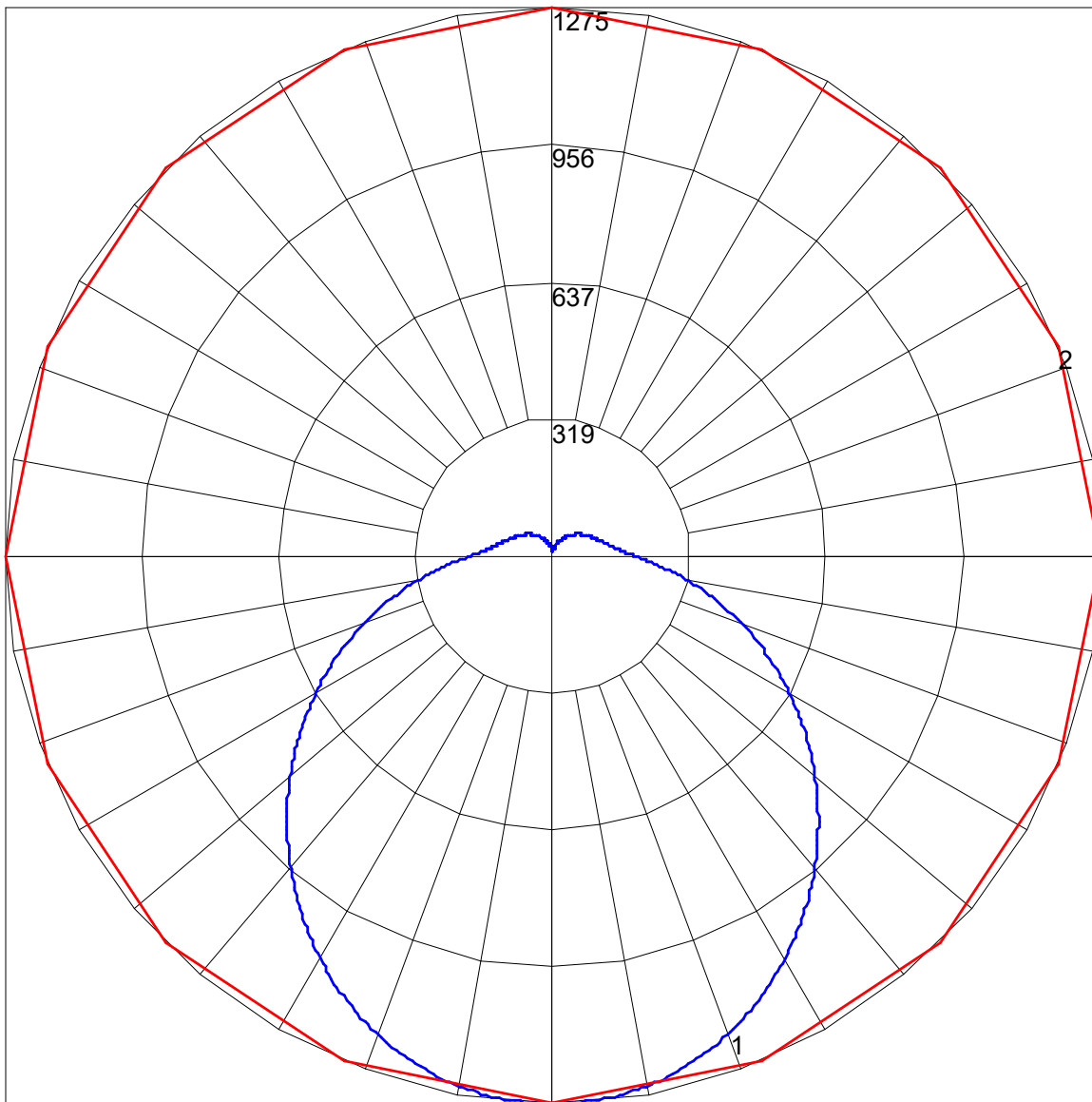
4H	2H	19.0	20.3	19.5	20.8	21.4	20.9	22.1	21.4	22.7
	3H	20.6	21.7	21.2	22.3	22.9	23.4	24.4	23.9	25.0
	4H	21.2	22.1	21.7	22.7	23.4	24.6	25.5	25.1	26.1
	6H	21.5	22.4	22.1	23.0	23.6	25.8	26.6	26.3	27.2
	8H	21.6	22.4	22.2	23.0	23.7	26.3	27.1	26.9	27.7
	12H	21.6	22.4	22.3	23.0	23.7	26.3	27.1	26.9	27.7
							27.0	27.7	27.6	28.3

8H	4H	21.8	22.6	22.4	23.2	23.8	24.7	25.5	25.3	26.1
	6H	22.3	23.0	22.9	23.6	24.3	26.1	26.8	26.7	27.4
	8H	22.4	23.1	23.1	23.7	24.4	26.8	27.4	27.4	28.1
	12H	22.5	23.1	23.2	23.7	24.5	26.8	27.4	27.4	28.1
							27.6	28.1	28.2	28.8

12H	4H	21.9	22.7	22.6	23.3	24.0	24.7	25.5	25.3	26.1
	6H	22.5	23.2	23.2	23.8	24.5	26.1	26.7	26.8	27.3
	8H	22.8	23.3	23.4	23.9	24.7	26.9	27.4	27.5	28.1
							26.9	27.4	27.5	28.1

Maximum UGR = 29.5

POLAR GRAPH



Maximum Candela = 1274.774 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.)