



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL35 UV FR 930 @650MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 8 SEL35 UV FR 930

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set to 650mA

[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	4921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.06 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5224	5015	4985
55	4568	4559	4579
65	3692	3997	4042
75	2711	3432	3422
85	1636	3232	3002

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 8 SEL35 UV FR 930 @650MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	611.85	N.A.	12.40
0-30	1301.16	N.A.	26.40
0-40	2130.51	N.A.	43.30
0-60	3734.64	N.A.	75.90
0-80	4655.44	N.A.	94.60
0-90	4833.4	N.A.	98.20
10-90	4675.41	N.A.	95.00
20-40	1518.66	N.A.	30.90
20-50	2369.64	N.A.	48.20
40-70	2171.14	N.A.	44.10
60-80	920.81	N.A.	18.70
70-80	353.79	N.A.	7.20
80-90	177.95	N.A.	3.60
90-110	87.72	N.A.	1.80
90-120	87.90	N.A.	1.80
90-130	87.90	N.A.	1.80
90-150	87.90	N.A.	1.80
90-180	87.90	N.A.	1.80
110-180	0.18	N.A.	0.00
0-180	4921.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	157.99
10-20	453.85
20-30	689.31
30-40	829.35
40-50	850.98
50-60	753.15
60-70	567.01
70-80	353.79
80-90	177.95
90-100	71.33
100-110	16.39
110-120	0.18
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	67	63	59	56
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	51	42	36	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	26	36	30	25	35	29	25	23

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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

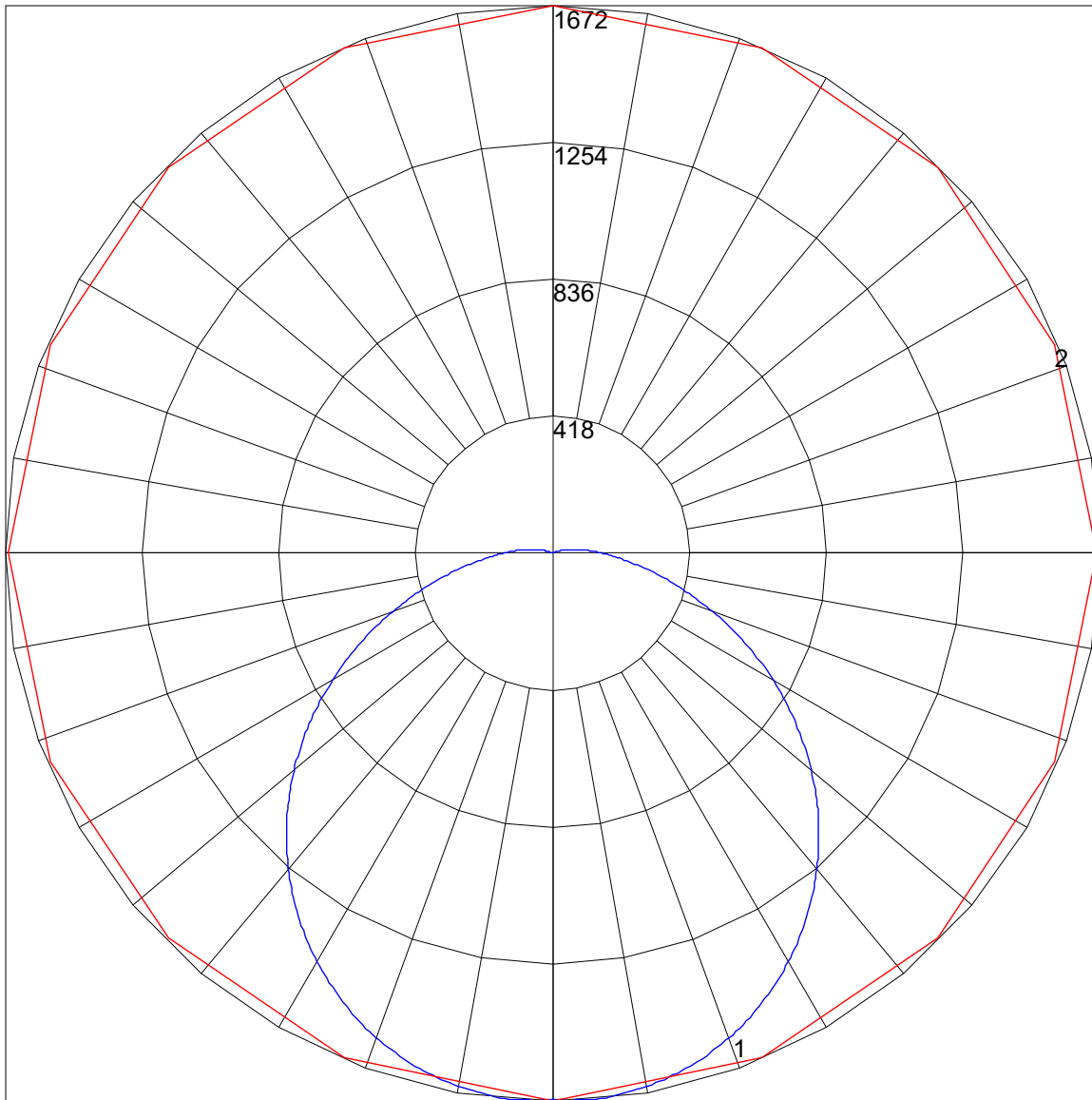
X=2H	Y=2H	16.1	17.7	16.5	18.1	18.4	17.8	19.4	18.2	19.8	20.1
	3H	17.4	18.9	17.8	19.2	19.6	19.8	21.3	20.2	21.6	22.0
	4H	17.8	19.2	18.2	19.6	20.0	20.6	22.0	21.1	22.4	22.8
	6H	18.0	19.3	18.5	19.7	20.2	21.4	22.7	21.9	23.1	23.6
	8H	18.1	19.3	18.5	19.7	20.2	21.8	23.1	22.3	23.5	23.9
	12H	18.1	19.3	18.6	19.7	20.2	22.2	23.4	22.7	23.8	24.3

### UGR Viewed Endwise

4H	2H	16.9	18.3	17.4	18.7	19.1	18.3	19.7	18.7	20.0	20.5
	3H	18.5	19.7	18.9	20.1	20.5	20.5	21.7	20.9	22.1	22.5
	4H	19.0	20.1	19.5	20.5	21.0	21.5	22.6	22.0	23.0	23.5
	6H	19.4	20.3	19.8	20.8	21.3	22.5	23.4	23.0	23.9	24.4
	8H	19.4	20.3	19.9	20.8	21.3	22.9	23.8	23.4	24.3	24.8
	12H	19.5	20.3	20.0	20.8	21.3	23.5	24.2	24.0	24.8	25.3
8H	4H	19.6	20.4	20.1	20.9	21.4	21.7	22.6	22.2	23.1	23.6
	6H	20.1	20.8	20.6	21.3	21.9	22.9	23.6	23.4	24.1	24.7
	8H	20.3	20.9	20.8	21.5	22.0	23.5	24.1	24.0	24.7	25.2
	12H	20.4	21.0	20.9	21.5	22.1	24.1	24.7	24.7	25.2	25.8
12H	4H	19.7	20.5	20.2	21.0	21.5	21.7	22.5	22.3	23.1	23.6
	6H	20.3	21.0	20.9	21.5	22.1	23.0	23.6	23.5	24.1	24.7
	8H	20.6	21.1	21.1	21.7	22.3	23.6	24.2	24.1	24.7	25.3

Maximum UGR = 25.8

POLAR GRAPH



Maximum Candela = 1672.349 Located At Horizontal Angle = 90, Vertical Angle = 3.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)