



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV FR 940 @270MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-013(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 2 SEL15 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 28 LED board, 4000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 270mA

[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	1793
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	12.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 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	7438	7246	7313
55	6384	6537	6718
65	5035	5674	5942
75	3575	4798	5056
85	1877	4368	4474

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV FR 940 @270MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	223.50	N.A.	12.50
0-30	475.15	N.A.	26.50
0-40	777.62	N.A.	43.40
0-60	1361.15	N.A.	75.90
0-80	1695.12	N.A.	94.50
0-90	1760.09	N.A.	98.20
10-90	1702.35	N.A.	94.90
20-40	554.13	N.A.	30.90
20-50	864.05	N.A.	48.20
40-70	789.04	N.A.	44.00
60-80	333.96	N.A.	18.60
70-80	128.45	N.A.	7.20
80-90	64.98	N.A.	3.60
90-110	32.81	N.A.	1.80
90-120	32.91	N.A.	1.80
90-130	32.91	N.A.	1.80
90-150	32.91	N.A.	1.80
90-180	32.91	N.A.	1.80
110-180	0.10	N.A.	0.00
0-180	1793.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	57.74
10-20	165.76
20-30	251.65
30-40	302.48
40-50	309.92
50-60	273.61
60-70	205.52
70-80	128.45
80-90	64.98
90-100	26.46
100-110	6.35
110-120	0.10
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV FR 940 @270MA.IES

## 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	40	51	44	39	49	43	39	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	37	31	42	36	31	41	35	31	29
9	56	42	34	29	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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV FR 940 @270MA.IES

## UGR TABLE - CORRECTED

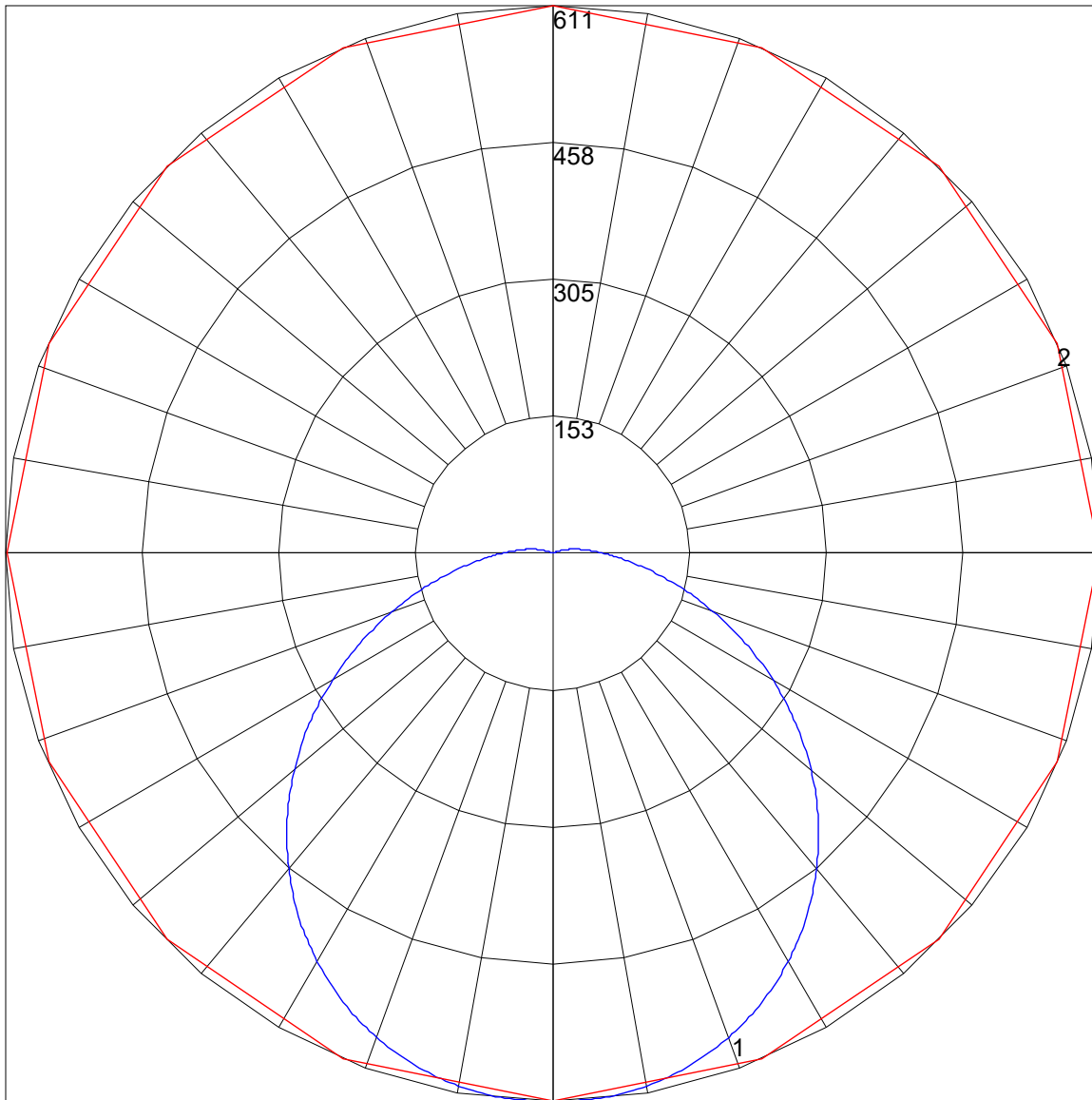
### Reflectances

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	17.3	19.0	17.7	19.3	19.7	19.0	20.6	19.4	21.0	21.4
	3H	18.6	20.1	19.0	20.4	20.9	21.0	22.5	21.4	22.8	23.2
	4H	19.0	20.4	19.4	20.8	21.2	21.8	23.2	22.3	23.6	24.0
	6H	19.2	20.5	19.7	20.9	21.3	22.6	23.9	23.1	24.3	24.7
	8H	19.3	20.5	19.7	20.9	21.4	23.0	24.2	23.4	24.6	25.1
	12H	19.3	20.5	19.8	20.9	21.4	23.3	24.5	23.8	24.9	25.4
4H	2H	18.2	19.6	18.6	19.9	20.4	19.5	20.9	19.9	21.3	21.7
	3H	19.7	20.9	20.1	21.3	21.7	21.7	22.9	22.1	23.3	23.8
	4H	20.2	21.3	20.7	21.7	22.2	22.7	23.8	23.2	24.2	24.7
	6H	20.5	21.5	21.0	22.0	22.5	23.6	24.6	24.1	25.1	25.6
	8H	20.6	21.5	21.1	22.0	22.5	24.1	25.0	24.6	25.4	26.0
	12H	20.7	21.5	21.2	22.0	22.5	24.5	25.3	25.1	25.9	26.4
8H	4H	20.8	21.6	21.2	22.1	22.6	22.9	23.8	23.4	24.3	24.8
	6H	21.3	22.0	21.8	22.5	23.0	24.0	24.8	24.6	25.3	25.8
	8H	21.5	22.1	22.0	22.6	23.2	24.6	25.3	25.2	25.8	26.3
	12H	21.5	22.1	22.1	22.7	23.3	25.2	25.8	25.8	26.3	26.9
12H	4H	20.9	21.7	21.4	22.2	22.7	22.9	23.7	23.4	24.2	24.8
	6H	21.5	22.2	22.1	22.6	23.2	24.1	24.8	24.7	25.3	25.8
	8H	21.7	22.3	22.3	22.8	23.4	24.7	25.3	25.3	25.8	26.4

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 610.509 Located At Horizontal Angle = 90, Vertical Angle = 1.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)