



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV 940 @230MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-011A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 2 SEL15 UV 940

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

[MORE] no enclosure.

[LAMPCAT] One LS3872A 28 LED board, 4000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 230mA

[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	1629
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	10.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.02 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7737	7490	7467
55	7581	7245	7097
65	7120	6577	6402
75	6012	5147	5033
85	3312	2286	2144

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV 940 @230MA.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	199.33	N.A.	12.20
0-30	426.78	N.A.	26.20
0-40	706.41	N.A.	43.40
0-60	1277.32	N.A.	78.40
0-80	1602.4	N.A.	98.40
0-90	1628.98	N.A.	100.00
10-90	1577.67	N.A.	96.80
20-40	507.08	N.A.	31.10
20-50	804.09	N.A.	49.40
40-70	780.47	N.A.	47.90
60-80	325.09	N.A.	20.00
70-80	115.52	N.A.	7.10
80-90	26.58	N.A.	1.60
90-110	0.15	N.A.	0.00
90-120	0.15	N.A.	0.00
90-130	0.15	N.A.	0.00
90-150	0.15	N.A.	0.00
90-180	0.15	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1629.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	51.32
10-20	148.01
20-30	227.45
30-40	279.63
40-50	297.01
50-60	273.90
60-70	209.56
70-80	115.52
80-90	26.58
90-100	0.15
100-110	0.00
110-120	0.00
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 940 @230MA.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	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	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	25	36	30	25	36	30	25	23

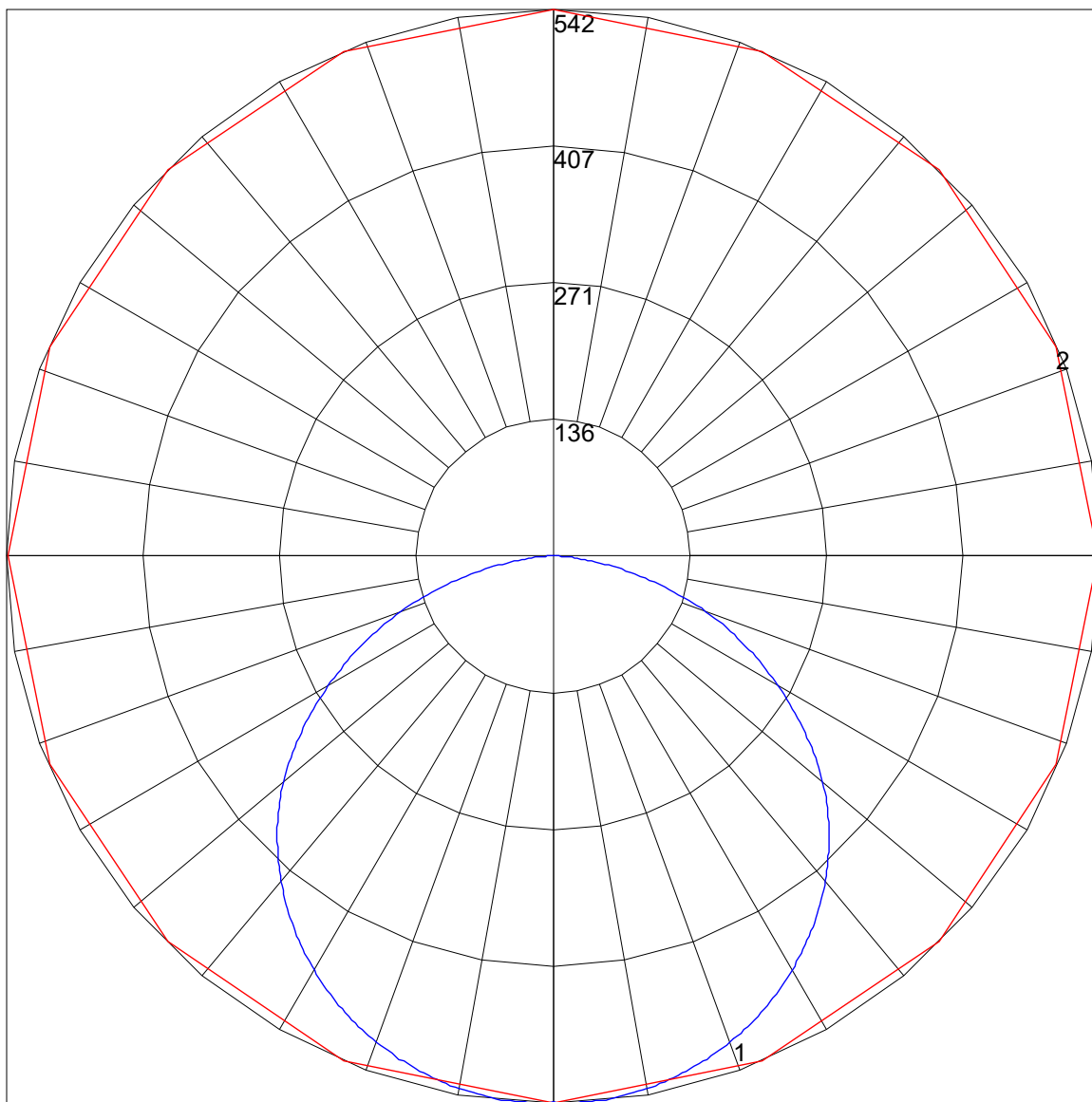
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV 940 @230MA.IES**

**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	19.1	20.8	19.5	21.1	21.4	19.2	20.9	19.6	21.2	21.5
	3H	20.9	22.4	21.3	22.7	23.1	21.0	22.5	21.4	22.8	23.2
	4H	21.5	22.9	21.9	23.3	23.6	21.6	23.0	22.0	23.4	23.8
	6H	21.9	23.2	22.3	23.6	24.0	22.0	23.3	22.4	23.7	24.1
	8H	22.0	23.2	22.4	23.6	24.0	22.1	23.4	22.6	23.8	24.2
	12H	22.0	23.2	22.4	23.6	24.0	22.2	23.4	22.6	23.8	24.2
4H	2H	19.8	21.2	20.2	21.5	21.9	19.9	21.3	20.3	21.6	22.0
	3H	21.7	22.9	22.1	23.3	23.7	21.8	23.0	22.2	23.4	23.8
	4H	22.5	23.5	22.9	23.9	24.4	22.5	23.6	23.0	24.0	24.5
	6H	22.9	23.9	23.4	24.3	24.8	23.0	24.0	23.5	24.4	24.9
	8H	23.1	23.9	23.5	24.4	24.8	23.2	24.1	23.6	24.5	25.0
	12H	23.1	23.9	23.6	24.4	24.9	23.3	24.0	23.7	24.5	25.0
8H	4H	22.7	23.6	23.2	24.0	24.5	22.8	23.7	23.3	24.1	24.6
	6H	23.3	24.0	23.8	24.5	25.0	23.4	24.1	23.9	24.6	25.1
	8H	23.4	24.1	24.0	24.6	25.1	23.6	24.2	24.1	24.7	25.2
	12H	23.6	24.1	24.1	24.6	25.2	23.7	24.3	24.2	24.8	25.3
12H	4H	22.7	23.5	23.2	24.0	24.5	22.8	23.6	23.3	24.1	24.5
	6H	23.3	24.0	23.8	24.4	25.0	23.4	24.1	23.9	24.5	25.1
	8H	23.5	24.1	24.0	24.6	25.1	23.6	24.2	24.1	24.7	25.3

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 542.255 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.)