



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL35 UV FR 940 @600MA.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 4 SEL35 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set to 600mA

[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	4669
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	29.3
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)	4.00 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	9834	9468	9459
55	8572	8592	8688
65	6890	7513	7669
75	5000	6421	6493
85	2868	5975	5695

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 4 SEL35 UV FR 940 @600MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	580.44	N.A.	12.40
0-30	1234.36	N.A.	26.40
0-40	2021.14	N.A.	43.30
0-60	3542.93	N.A.	75.90
0-80	4416.46	N.A.	94.60
0-90	4585.28	N.A.	98.20
10-90	4435.4	N.A.	95.00
20-40	1440.7	N.A.	30.90
20-50	2248.00	N.A.	48.20
40-70	2059.69	N.A.	44.10
60-80	873.54	N.A.	18.70
70-80	335.63	N.A.	7.20
80-90	168.82	N.A.	3.60
90-110	83.22	N.A.	1.80
90-120	83.39	N.A.	1.80
90-130	83.39	N.A.	1.80
90-150	83.39	N.A.	1.80
90-180	83.39	N.A.	1.80
110-180	0.17	N.A.	0.00
0-180	4668.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	149.88
10-20	430.56
20-30	653.92
30-40	786.78
40-50	807.29
50-60	714.49
60-70	537.91
70-80	335.63
80-90	168.82
90-100	67.67
100-110	15.55
110-120	0.17
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 4 SEL35 UV FR 940 @600MA.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	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	25	36	30	25	35	29	25	23

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL35 UV FR 940 @600MA.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

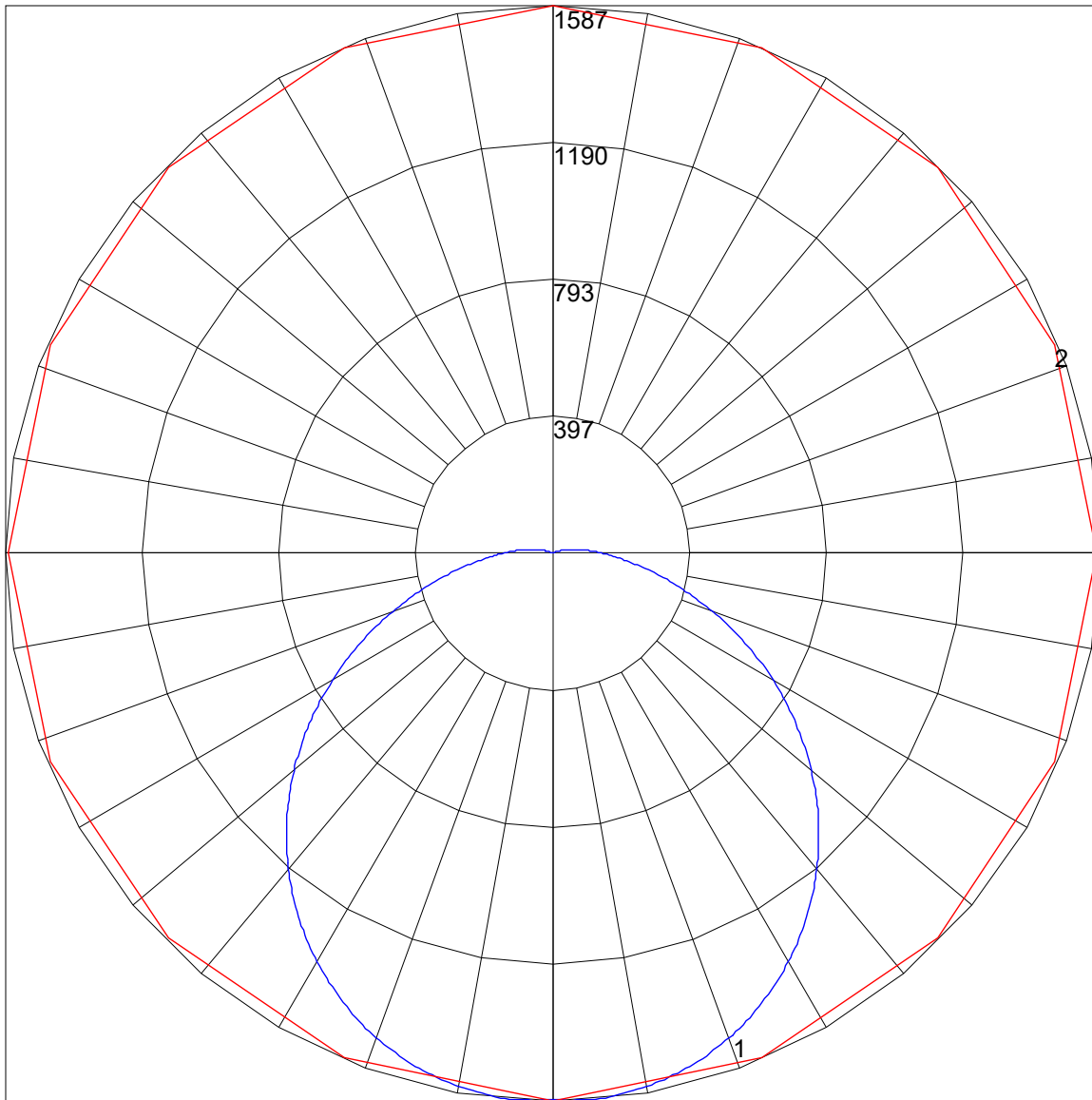
X=2H	Y=2H	18.4	20.0	18.8	20.4	20.7	20.1	21.7	20.5	22.0	22.4
	3H	19.7	21.2	20.1	21.5	21.9	22.1	23.5	22.5	23.9	24.3
	4H	20.1	21.5	20.5	21.9	22.3	22.9	24.3	23.3	24.7	25.1
	6H	20.3	21.6	20.8	22.0	22.4	23.7	25.0	24.1	25.4	25.8
	8H	20.4	21.6	20.8	22.0	22.5	24.1	25.3	24.5	25.7	26.2
	12H	20.4	21.6	20.9	22.0	22.5	24.5	25.6	24.9	26.0	26.5

### UGR Viewed Endwise

4H	2H	19.2	20.6	19.7	21.0	21.4	20.5	21.9	21.0	22.3	22.7
	3H	20.8	21.9	21.2	22.4	22.8	22.8	23.9	23.2	24.4	24.8
	4H	21.3	22.4	21.8	22.8	23.3	23.8	24.8	24.2	25.3	25.8
	6H	21.6	22.6	22.1	23.1	23.6	24.7	25.7	25.2	26.1	26.6
	8H	21.7	22.6	22.2	23.1	23.6	25.2	26.1	25.7	26.5	27.0
	12H	21.8	22.6	22.3	23.1	23.6	25.7	26.5	26.2	27.0	27.5
8H	4H	21.9	22.7	22.3	23.2	23.7	24.0	24.9	24.5	25.3	25.9
	6H	22.4	23.1	22.9	23.6	24.2	25.1	25.9	25.6	26.4	26.9
	8H	22.6	23.2	23.1	23.7	24.3	25.7	26.4	26.2	26.9	27.4
	12H	22.7	23.2	23.2	23.8	24.4	26.3	26.9	26.9	27.5	28.1
12H	4H	22.0	22.8	22.5	23.3	23.8	24.0	24.8	24.5	25.3	25.8
	6H	22.6	23.3	23.2	23.8	24.3	25.2	25.8	25.7	26.3	26.9
	8H	22.8	23.4	23.4	24.0	24.6	25.8	26.4	26.3	26.9	27.5

Maximum UGR = 28.1

POLAR GRAPH



Maximum Candela = 1586.501 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.)