



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL100 UV FR 940 @1600MA.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 6 SEL100 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 68 LED boards, 4000K

[BALLAST] One KTLD-100-UV-PS1800-54-VDIM-LM2 LED driver set to 1600mA

[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	12294
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	79.6
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)	6.00 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	17354	16675	16605
55	15159	15150	15251
65	12228	13272	13463
75	8943	11378	11398
85	5305	10671	9998

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 6 SEL100 UV FR 940 @1600MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1528.41	N.A.	12.40
0-30	3250.32	N.A.	26.40
0-40	5322.06	N.A.	43.30
0-60	9329.22	N.A.	75.90
0-80	11629.41	N.A.	94.60
0-90	12073.94	N.A.	98.20
10-90	11679.27	N.A.	95.00
20-40	3793.65	N.A.	30.90
20-50	5919.42	N.A.	48.20
40-70	5423.57	N.A.	44.10
60-80	2300.19	N.A.	18.70
70-80	883.79	N.A.	7.20
80-90	444.53	N.A.	3.60
90-110	219.13	N.A.	1.80
90-120	219.57	N.A.	1.80
90-130	219.57	N.A.	1.80
90-150	219.57	N.A.	1.80
90-180	219.57	N.A.	1.80
110-180	0.44	N.A.	0.00
0-180	12293.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	394.67
10-20	1133.74
20-30	1721.91
30-40	2071.74
40-50	2125.76
50-60	1881.39
60-70	1416.41
70-80	883.79
80-90	444.53
90-100	178.19
100-110	40.94
110-120	0.44
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	25	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

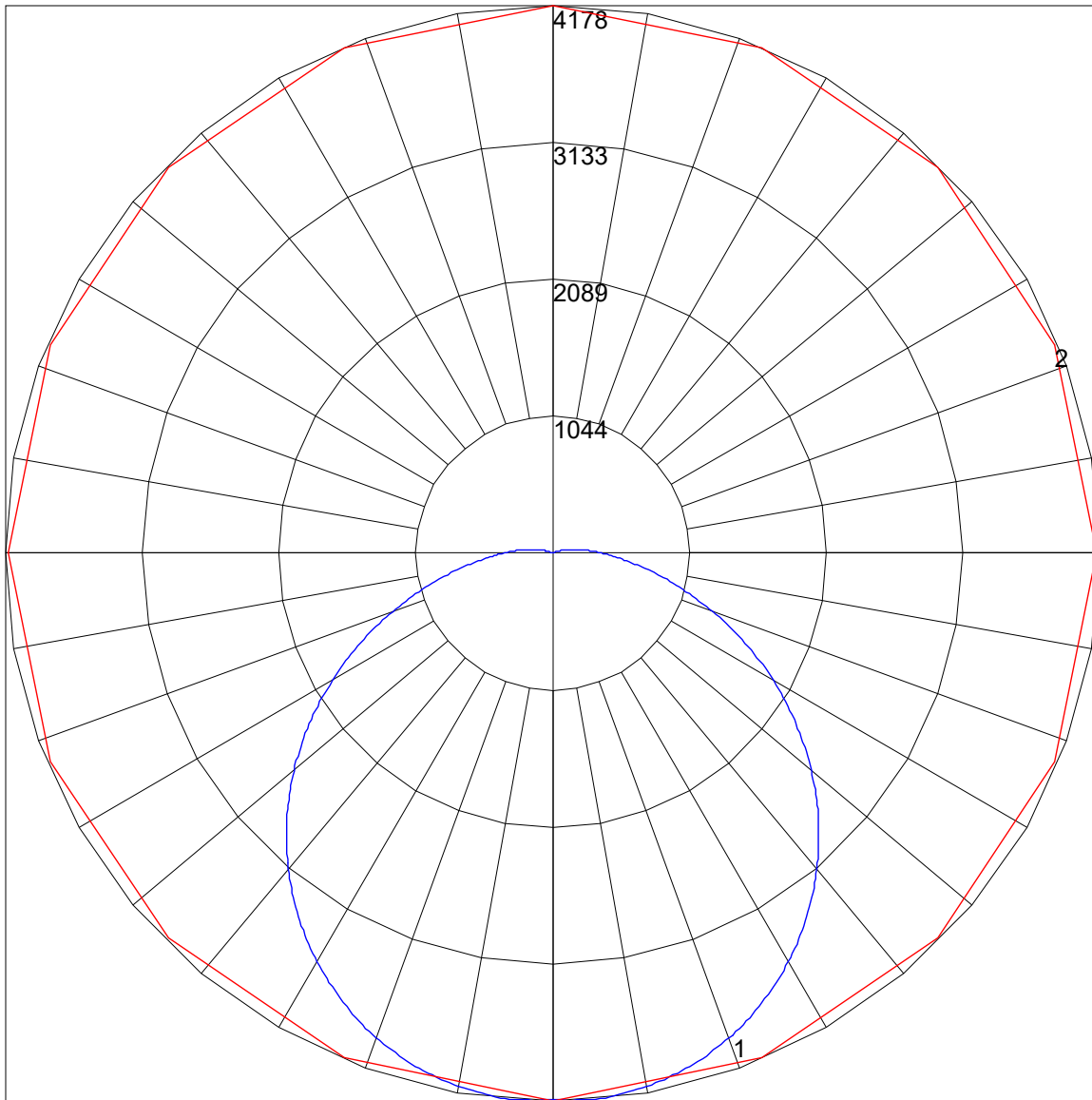
X=2H	Y=2H	20.3	21.9	20.7	22.3	22.6	22.0	23.6	22.4	24.0	24.3
	3H	21.6	23.1	22.0	23.4	23.8	24.0	25.4	24.4	25.8	26.2
	4H	22.0	23.4	22.4	23.8	24.2	24.8	26.2	25.3	26.6	27.0
	6H	22.2	23.5	22.7	23.9	24.3	25.6	26.9	26.1	27.3	27.8
	8H	22.3	23.5	22.7	23.9	24.4	26.0	27.2	26.5	27.7	28.1
	12H	22.3	23.5	22.8	23.9	24.4	26.4	27.6	26.9	28.0	28.5

### UGR Viewed Endwise

4H	2H	21.1	22.5	21.6	22.9	23.3	22.5	23.8	22.9	24.2	24.7
	3H	22.7	23.8	23.1	24.3	24.7	24.7	25.8	25.1	26.3	26.7
	4H	23.2	24.3	23.7	24.7	25.2	25.7	26.7	26.2	27.2	27.7
	6H	23.6	24.5	24.0	25.0	25.5	26.7	27.6	27.1	28.1	28.6
	8H	23.6	24.5	24.1	25.0	25.5	27.1	28.0	27.6	28.5	29.0
	12H	23.7	24.5	24.2	25.0	25.5	27.6	28.4	28.1	28.9	29.4
8H	4H	23.8	24.6	24.3	25.1	25.6	25.9	26.8	26.4	27.3	27.8
	6H	24.3	25.0	24.8	25.5	26.1	27.1	27.8	27.6	28.3	28.8
	8H	24.5	25.1	25.0	25.7	26.2	27.7	28.3	28.2	28.8	29.4
	12H	24.6	25.2	25.1	25.7	26.3	28.3	28.9	28.8	29.4	30.0
12H	4H	23.9	24.7	24.4	25.2	25.7	25.9	26.7	26.4	27.2	27.7
	6H	24.5	25.2	25.1	25.7	26.2	27.1	27.8	27.7	28.3	28.9
	8H	24.7	25.3	25.3	25.9	26.5	27.8	28.3	28.3	28.9	29.5

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 4177.568 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.)