



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL100 UV FR 930 @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 8 SEL100 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-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	11957
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	79.5
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	12692	12185	12113
55	11099	11077	11125
65	8969	9712	9821
75	6586	8339	8315
85	3976	7852	7293

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 8 SEL100 UV FR 930 @1600MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1486.61	N.A.	12.40
0-30	3161.43	N.A.	26.40
0-40	5176.52	N.A.	43.30
0-60	9074.1	N.A.	75.90
0-80	11311.39	N.A.	94.60
0-90	11743.76	N.A.	98.20
10-90	11359.88	N.A.	95.00
20-40	3689.91	N.A.	30.90
20-50	5757.54	N.A.	48.20
40-70	5275.25	N.A.	44.10
60-80	2237.29	N.A.	18.70
70-80	859.62	N.A.	7.20
80-90	432.37	N.A.	3.60
90-110	213.14	N.A.	1.80
90-120	213.57	N.A.	1.80
90-130	213.57	N.A.	1.80
90-150	213.57	N.A.	1.80
90-180	213.57	N.A.	1.80
110-180	0.43	N.A.	0.00
0-180	11957.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	383.88
10-20	1102.74
20-30	1674.82
30-40	2015.09
40-50	2067.63
50-60	1829.94
60-70	1377.68
70-80	859.62
80-90	432.37
90-100	173.32
100-110	39.82
110-120	0.43
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

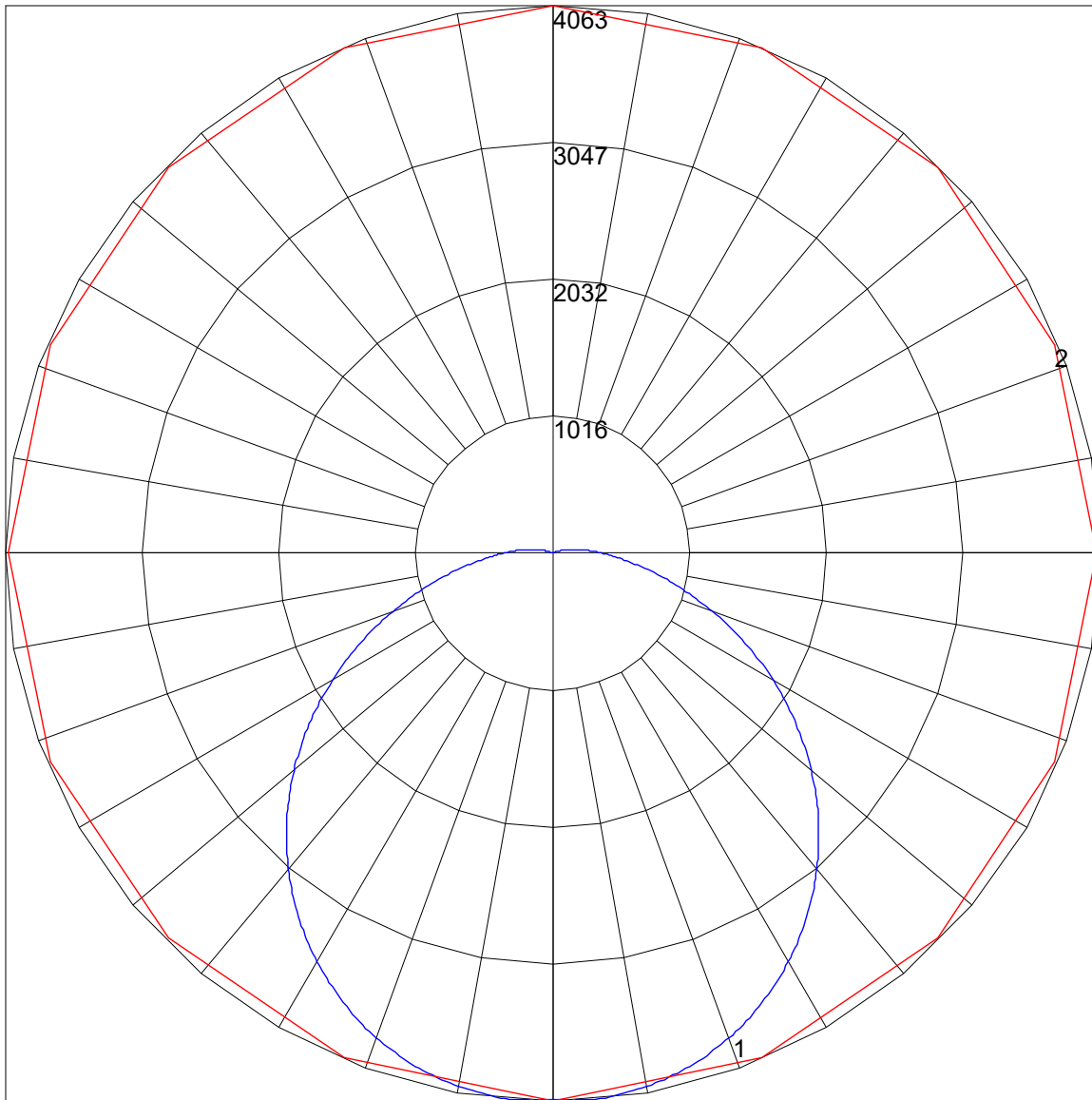
X=2H	Y=2H	19.2	20.8	19.6	21.2	21.5	20.9	22.5	21.3	22.9	23.2
	3H	20.5	22.0	20.9	22.3	22.7	22.9	24.4	23.3	24.7	25.1
	4H	20.9	22.3	21.3	22.7	23.1	23.7	25.1	24.2	25.5	25.9
	6H	21.1	22.4	21.6	22.8	23.3	24.5	25.8	25.0	26.2	26.7
	8H	21.2	22.4	21.6	22.8	23.3	24.9	26.2	25.4	26.6	27.0
	12H	21.2	22.4	21.7	22.8	23.3	25.3	26.5	25.8	26.9	27.4

### UGR Viewed Endwise

4H	2H	20.0	21.4	20.5	21.8	22.2	21.4	22.8	21.8	23.1	23.6
	3H	21.6	22.8	22.0	23.2	23.6	23.6	24.8	24.0	25.2	25.6
	4H	22.1	23.2	22.6	23.6	24.1	24.6	25.7	25.1	26.1	26.6
	6H	22.5	23.4	22.9	23.9	24.4	25.6	26.5	26.1	27.0	27.5
	8H	22.5	23.4	23.0	23.9	24.4	26.0	26.9	26.5	27.4	27.9
	12H	22.6	23.4	23.1	23.9	24.4	26.6	27.3	27.1	27.9	28.4
8H	4H	22.7	23.5	23.2	24.0	24.5	24.8	25.7	25.3	26.2	26.7
	6H	23.2	23.9	23.7	24.4	25.0	26.0	26.7	26.5	27.2	27.8
	8H	23.4	24.0	23.9	24.6	25.1	26.6	27.2	27.1	27.8	28.3
	12H	23.5	24.1	24.0	24.6	25.2	27.2	27.8	27.8	28.3	28.9
12H	4H	22.8	23.6	23.3	24.1	24.6	24.8	25.6	25.4	26.2	26.7
	6H	23.4	24.1	24.0	24.6	25.2	26.1	26.7	26.6	27.2	27.8
	8H	23.7	24.2	24.2	24.8	25.4	26.7	27.3	27.2	27.8	28.4

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 4063.325 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.)