



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL100 UV FR 935 @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 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 68 LED boards, 3500K

[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	12008
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
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	16951	16288	16219
55	14807	14799	14897
65	11944	12964	13150
75	8736	11114	11133
85	5182	10423	9766

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 6 SEL100 UV FR 935 @1600MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1492.95	N.A.	12.40
0-30	3174.91	N.A.	26.40
0-40	5198.59	N.A.	43.30
0-60	9112.78	N.A.	75.90
0-80	11359.61	N.A.	94.60
0-90	11793.83	N.A.	98.20
10-90	11408.32	N.A.	95.00
20-40	3705.64	N.A.	30.90
20-50	5782.09	N.A.	48.20
40-70	5297.74	N.A.	44.10
60-80	2246.83	N.A.	18.70
70-80	863.28	N.A.	7.20
80-90	434.22	N.A.	3.60
90-110	214.05	N.A.	1.80
90-120	214.48	N.A.	1.80
90-130	214.48	N.A.	1.80
90-150	214.48	N.A.	1.80
90-180	214.48	N.A.	1.80
110-180	0.43	N.A.	0.00
0-180	12008.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	385.51
10-20	1107.44
20-30	1681.96
30-40	2023.68
40-50	2076.45
50-60	1837.75
60-70	1383.55
70-80	863.28
80-90	434.22
90-100	174.06
100-110	39.99
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

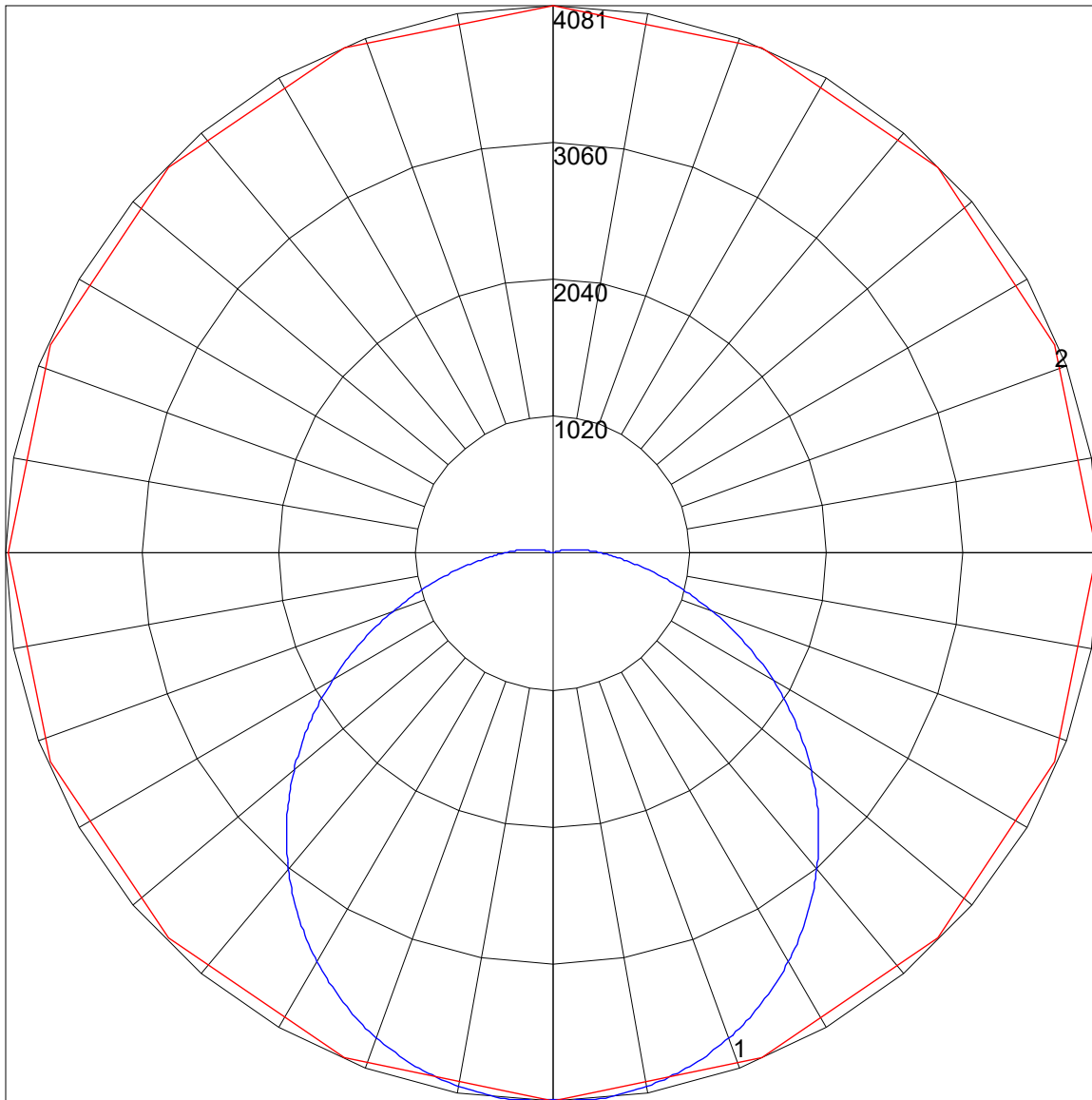
### Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	20.2	21.8	20.6	22.2	22.5	21.9	23.5	22.3	23.9	24.2
	3H	21.5	23.0	21.9	23.3	23.7	23.9	25.3	24.3	25.7	26.1
	4H	21.9	23.3	22.3	23.7	24.1	24.7	26.1	25.2	26.5	26.9
	6H	22.1	23.4	22.6	23.8	24.2	25.5	26.8	26.0	27.2	27.7
	8H	22.2	23.4	22.6	23.8	24.3	25.9	27.1	26.4	27.6	28.0
	12H	22.2	23.4	22.7	23.8	24.3	26.3	27.5	26.8	27.9	28.4
4H	2H	21.0	22.4	21.5	22.8	23.2	22.4	23.7	22.8	24.1	24.6
	3H	22.6	23.7	23.0	24.2	24.6	24.6	25.7	25.0	26.2	26.6
	4H	23.1	24.2	23.6	24.6	25.1	25.6	26.6	26.1	27.1	27.6
	6H	23.5	24.4	23.9	24.9	25.4	26.6	27.5	27.0	28.0	28.5
	8H	23.5	24.4	24.0	24.9	25.4	27.0	27.9	27.5	28.4	28.9
	12H	23.6	24.4	24.1	24.9	25.4	27.5	28.3	28.0	28.8	29.3
8H	4H	23.7	24.5	24.2	25.0	25.5	25.8	26.7	26.3	27.2	27.7
	6H	24.2	24.9	24.7	25.4	26.0	27.0	27.7	27.5	28.2	28.7
	8H	24.4	25.0	24.9	25.6	26.1	27.6	28.2	28.1	28.7	29.3
	12H	24.5	25.1	25.0	25.6	26.2	28.2	28.8	28.7	29.3	29.9
12H	4H	23.8	24.6	24.3	25.1	25.6	25.8	26.6	26.3	27.1	27.6
	6H	24.4	25.1	25.0	25.6	26.1	27.0	27.7	27.6	28.2	28.8
	8H	24.6	25.2	25.2	25.8	26.4	27.7	28.2	28.2	28.8	29.4

Maximum UGR = 29.9

POLAR GRAPH



Maximum Candela = 4080.649 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.)