



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL35 UV FR 935 @650MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-013(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 2 SEL35 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 64 LED board, 3500K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set to 650mA

[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	4731
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	32.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 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	19627	19119	19297
55	16844	17248	17726
65	13286	14972	15680
75	9434	12661	13340
85	4953	11527	11805

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 2 SEL35 UV FR 935 @650MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	589.73	N.A.	12.50
0-30	1253.73	N.A.	26.50
0-40	2051.86	N.A.	43.40
0-60	3591.58	N.A.	75.90
0-80	4472.78	N.A.	94.50
0-90	4644.22	N.A.	98.20
10-90	4491.87	N.A.	94.90
20-40	1462.13	N.A.	30.90
20-50	2279.91	N.A.	48.20
40-70	2081.99	N.A.	44.00
60-80	881.20	N.A.	18.60
70-80	338.92	N.A.	7.20
80-90	171.45	N.A.	3.60
90-110	86.58	N.A.	1.80
90-120	86.83	N.A.	1.80
90-130	86.83	N.A.	1.80
90-150	86.83	N.A.	1.80
90-180	86.83	N.A.	1.80
110-180	0.26	N.A.	0.00
0-180	4731.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	152.35
10-20	437.38
20-30	664.00
30-40	798.13
40-50	817.77
50-60	721.94
60-70	542.28
70-80	338.92
80-90	171.45
90-100	69.82
100-110	16.75
110-120	0.26
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	40	51	44	39	49	43	39	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	37	31	42	36	31	41	35	31	29
9	56	42	34	29	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	26	36	30	25	35	29	25	23

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## UGR TABLE - CORRECTED

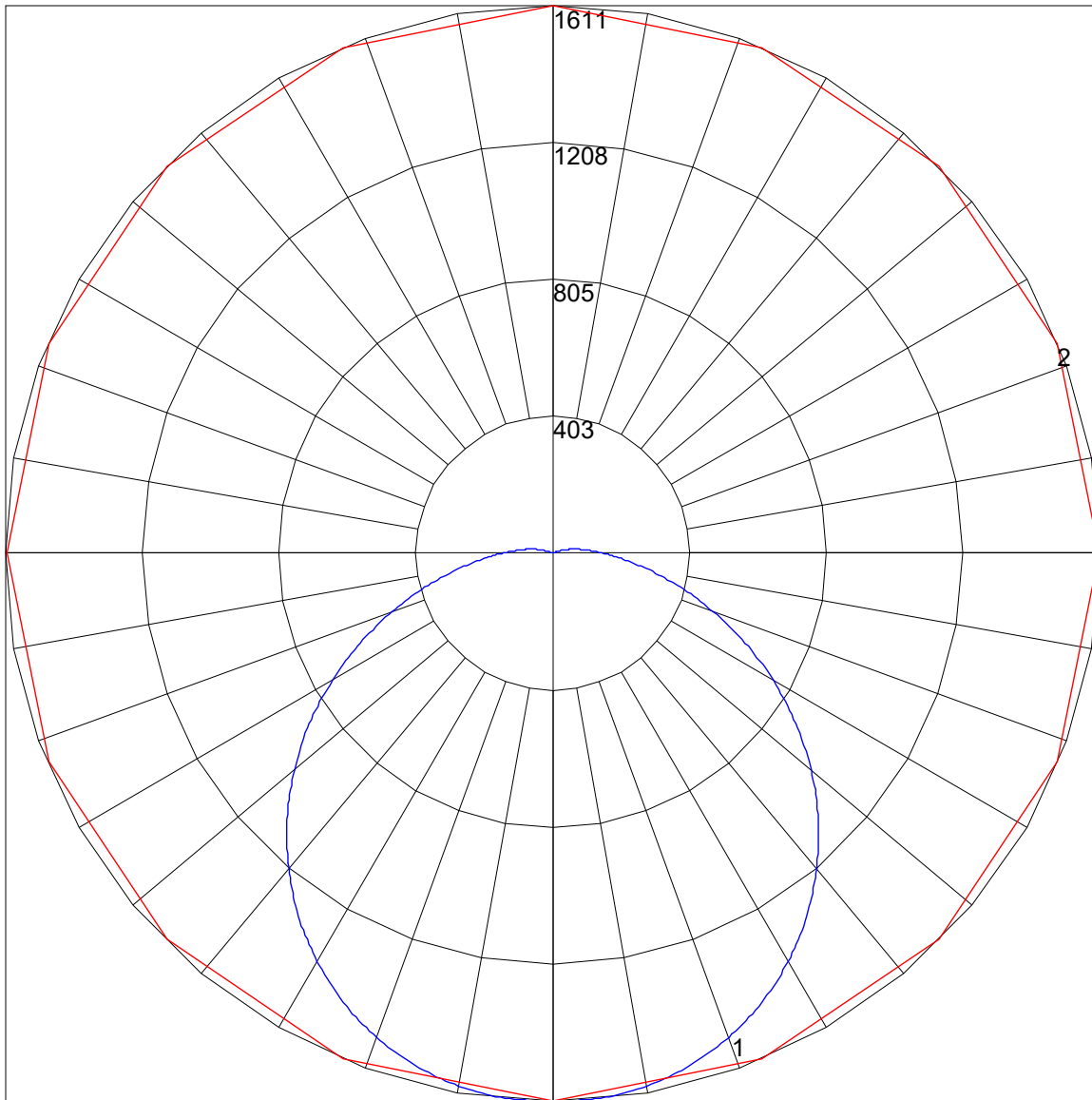
### Reflectances

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	20.7	22.3	21.1	22.7	23.1	22.4	24.0	22.8	24.4	24.8
	3H	22.0	23.5	22.4	23.8	24.2	24.4	25.9	24.8	26.2	26.6
	4H	22.4	23.8	22.8	24.2	24.6	25.2	26.6	25.7	27.0	27.4
	6H	22.6	23.9	23.1	24.3	24.7	26.0	27.3	26.5	27.7	28.1
	8H	22.7	23.9	23.1	24.3	24.8	26.4	27.6	26.8	28.0	28.5
	12H	22.7	23.9	23.2	24.3	24.8	26.7	27.9	27.2	28.3	28.8
4H	2H	21.6	23.0	22.0	23.3	23.8	22.9	24.3	23.3	24.7	25.1
	3H	23.1	24.3	23.5	24.7	25.1	25.1	26.3	25.5	26.7	27.2
	4H	23.6	24.7	24.1	25.1	25.6	26.1	27.2	26.6	27.6	28.1
	6H	23.9	24.9	24.4	25.4	25.9	27.0	28.0	27.5	28.5	29.0
	8H	24.0	24.9	24.5	25.4	25.9	27.5	28.4	28.0	28.8	29.4
	12H	24.1	24.9	24.6	25.4	25.9	27.9	28.7	28.5	29.3	29.8
8H	4H	24.2	25.0	24.6	25.5	26.0	26.3	27.2	26.8	27.7	28.2
	6H	24.7	25.4	25.2	25.9	26.4	27.4	28.2	28.0	28.7	29.2
	8H	24.8	25.5	25.4	26.0	26.6	28.0	28.7	28.6	29.2	29.7
	12H	24.9	25.5	25.5	26.1	26.7	28.6	29.2	29.2	29.7	30.3
12H	4H	24.3	25.1	24.8	25.6	26.1	26.3	27.1	26.8	27.6	28.2
	6H	24.9	25.6	25.4	26.0	26.6	27.5	28.2	28.1	28.7	29.2
	8H	25.1	25.7	25.7	26.2	26.8	28.1	28.7	28.7	29.2	29.8

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 1610.906 Located At Horizontal Angle = 90, Vertical Angle = 1.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)