



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL35 UV FR 935 @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 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 48 LED boards, 3500K

[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	4560
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
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	9606	9248	9239
55	8373	8392	8486
65	6730	7339	7491
75	4884	6272	6342
85	2802	5836	5563

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Zone	Lumens	%Lamp	%Fixt
0-20	566.97	N.A.	12.40
0-30	1205.73	N.A.	26.40
0-40	1974.25	N.A.	43.30
0-60	3460.73	N.A.	75.90
0-80	4314.00	N.A.	94.60
0-90	4478.9	N.A.	98.20
10-90	4332.5	N.A.	95.00
20-40	1407.28	N.A.	30.90
20-50	2195.84	N.A.	48.20
40-70	2011.91	N.A.	44.10
60-80	853.27	N.A.	18.70
70-80	327.85	N.A.	7.20
80-90	164.90	N.A.	3.60
90-110	81.29	N.A.	1.80
90-120	81.45	N.A.	1.80
90-130	81.45	N.A.	1.80
90-150	81.45	N.A.	1.80
90-180	81.45	N.A.	1.80
110-180	0.16	N.A.	0.00
0-180	4560.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.41
10-20	420.57
20-30	638.75
30-40	768.53
40-50	788.57
50-60	697.91
60-70	525.43
70-80	327.85
80-90	164.90
90-100	66.10
100-110	15.19
110-120	0.16
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	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

X=2H	Y=2H	18.3	19.9	18.7	20.3	20.6	20.0	21.6	20.4	21.9	22.3
	3H	19.6	21.1	20.0	21.4	21.8	22.0	23.4	22.4	23.8	24.2
	4H	20.0	21.4	20.4	21.8	22.2	22.8	24.2	23.2	24.6	25.0
	6H	20.2	21.5	20.7	21.9	22.3	23.6	24.9	24.0	25.3	25.7
	8H	20.3	21.5	20.7	21.9	22.4	24.0	25.2	24.4	25.6	26.1
	12H	20.3	21.5	20.8	21.9	22.4	24.4	25.5	24.8	25.9	26.4

UGR Viewed Endwise

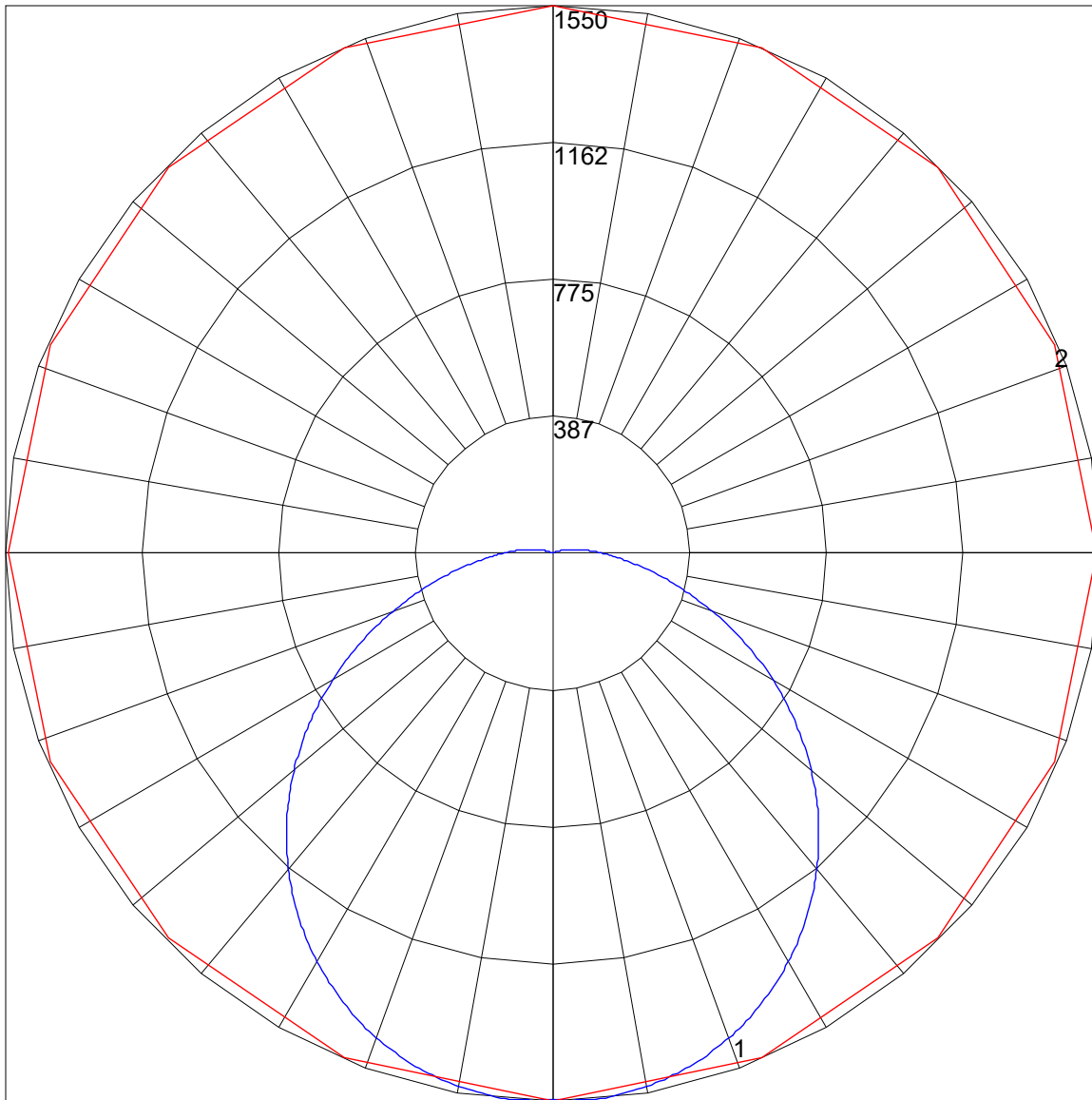
4H	2H	19.1	20.5	19.6	20.9	21.3	20.4	21.8	20.9	22.2	22.6
	3H	20.7	21.8	21.1	22.3	22.7	22.7	23.8	23.1	24.3	24.7
	4H	21.2	22.3	21.7	22.7	23.2	23.7	24.7	24.1	25.2	25.7
	6H	21.5	22.5	22.0	23.0	23.5	24.6	25.6	25.1	26.0	26.5
	8H	21.6	22.5	22.1	23.0	23.5	25.1	26.0	25.6	26.4	26.9
	12H	21.7	22.5	22.2	23.0	23.5	25.6	26.4	26.1	26.9	27.4

8H	4H	21.8	22.6	22.2	23.1	23.6	23.9	24.8	24.4	25.2	25.8
	6H	22.3	23.0	22.8	23.5	24.1	25.0	25.8	25.5	26.3	26.8
	8H	22.5	23.1	23.0	23.6	24.2	25.6	26.3	26.2	26.8	27.3
	12H	22.6	23.1	23.1	23.7	24.3	26.2	26.8	26.8	27.4	28.0

12H	4H	21.9	22.7	22.4	23.2	23.7	23.9	24.7	24.4	25.2	25.7
	6H	22.5	23.2	23.1	23.7	24.2	25.1	25.7	25.6	26.2	26.8
	8H	22.7	23.3	23.3	23.9	24.5	25.7	26.3	26.2	26.8	27.4

Maximum UGR = 28.0

POLAR GRAPH



Maximum Candela = 1549.695 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.)