



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 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 6 SEL35 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 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	3990
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	25.7
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	5632	5412	5389
55	4920	4917	4950
65	3969	4307	4369
75	2903	3693	3699
85	1722	3463	3245

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Zone	Lumens	%Lamp	%Fixt
0-20	496.06	N.A.	12.40
0-30	1054.92	N.A.	26.40
0-40	1727.32	N.A.	43.30
0-60	3027.88	N.A.	75.90
0-80	3774.42	N.A.	94.60
0-90	3918.7	N.A.	98.20
10-90	3790.61	N.A.	95.00
20-40	1231.26	N.A.	30.90
20-50	1921.2	N.A.	48.20
40-70	1760.26	N.A.	44.10
60-80	746.55	N.A.	18.70
70-80	286.84	N.A.	7.20
80-90	144.28	N.A.	3.60
90-110	71.12	N.A.	1.80
90-120	71.26	N.A.	1.80
90-130	71.26	N.A.	1.80
90-150	71.26	N.A.	1.80
90-180	71.26	N.A.	1.80
110-180	0.14	N.A.	0.00
0-180	3989.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.09
10-20	367.96
20-30	558.86
30-40	672.40
40-50	689.93
50-60	610.62
60-70	459.71
70-80	286.84
80-90	144.28
90-100	57.83
100-110	13.29
110-120	0.14
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

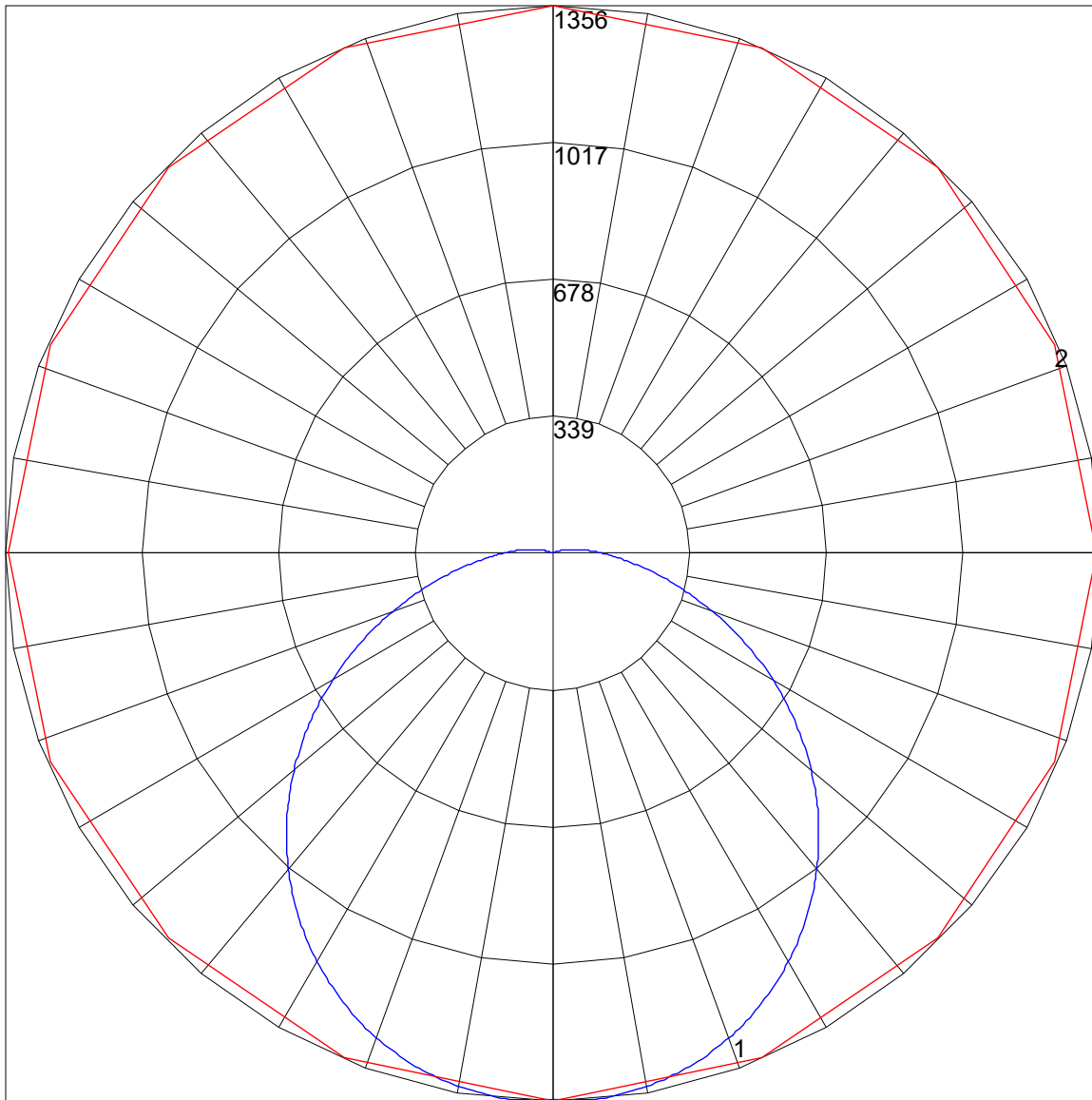
X=2H	Y=2H	16.4	18.0	16.8	18.4	18.7	18.1	19.7	18.5	20.1	20.4
	3H	17.7	19.2	18.1	19.5	19.9	20.1	21.5	20.5	21.9	22.3
	4H	18.1	19.5	18.5	19.9	20.3	20.9	22.3	21.4	22.7	23.1
	6H	18.3	19.6	18.8	20.0	20.4	21.7	23.0	22.2	23.4	23.9
	8H	18.4	19.6	18.8	20.0	20.5	22.1	23.3	22.6	23.8	24.2
	12H	18.4	19.6	18.9	20.0	20.5	22.5	23.7	23.0	24.1	24.6

UGR Viewed Endwise

4H	2H	17.2	18.6	17.7	19.0	19.4	18.6	19.9	19.0	20.3	20.8
	3H	18.8	19.9	19.2	20.4	20.8	20.8	21.9	21.2	22.4	22.8
	4H	19.3	20.4	19.8	20.8	21.3	21.8	22.8	22.3	23.3	23.8
	6H	19.7	20.6	20.1	21.1	21.6	22.8	23.7	23.2	24.2	24.7
	8H	19.7	20.6	20.2	21.1	21.6	23.2	24.1	23.7	24.6	25.1
	12H	19.8	20.6	20.3	21.1	21.6	23.7	24.5	24.2	25.0	25.5
8H	4H	19.9	20.7	20.4	21.2	21.7	22.0	22.9	22.5	23.4	23.9
	6H	20.4	21.1	20.9	21.6	22.2	23.2	23.9	23.7	24.4	24.9
	8H	20.6	21.2	21.1	21.8	22.3	23.8	24.4	24.3	24.9	25.5
	12H	20.7	21.3	21.2	21.8	22.4	24.4	25.0	24.9	25.5	26.1
12H	4H	20.0	20.8	20.5	21.3	21.8	22.0	22.8	22.5	23.3	23.8
	6H	20.6	21.3	21.2	21.8	22.3	23.2	23.9	23.8	24.4	25.0
	8H	20.8	21.4	21.4	22.0	22.6	23.9	24.4	24.4	25.0	25.6

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 1355.865 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.)