



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL35 UV FR 940 @500MA.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 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set to 500mA

[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	3413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	21.2
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	4818	4629	4610
55	4208	4206	4234
65	3395	3684	3738
75	2483	3159	3164
85	1473	2962	2776

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Zone	Lumens	%Lamp	%Fixt
0-20	424.32	N.A.	12.40
0-30	902.36	N.A.	26.40
0-40	1477.52	N.A.	43.30
0-60	2589.99	N.A.	75.90
0-80	3228.57	N.A.	94.60
0-90	3351.98	N.A.	98.20
10-90	3242.41	N.A.	95.00
20-40	1053.2	N.A.	30.90
20-50	1643.36	N.A.	48.20
40-70	1505.7	N.A.	44.10
60-80	638.58	N.A.	18.70
70-80	245.36	N.A.	7.20
80-90	123.41	N.A.	3.60
90-110	60.84	N.A.	1.80
90-120	60.96	N.A.	1.80
90-130	60.96	N.A.	1.80
90-150	60.96	N.A.	1.80
90-180	60.96	N.A.	1.80
110-180	0.12	N.A.	0.00
0-180	3412.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.57
10-20	314.75
20-30	478.04
30-40	575.16
40-50	590.16
50-60	522.31
60-70	393.23
70-80	245.36
80-90	123.41
90-100	49.47
100-110	11.36
110-120	0.12
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

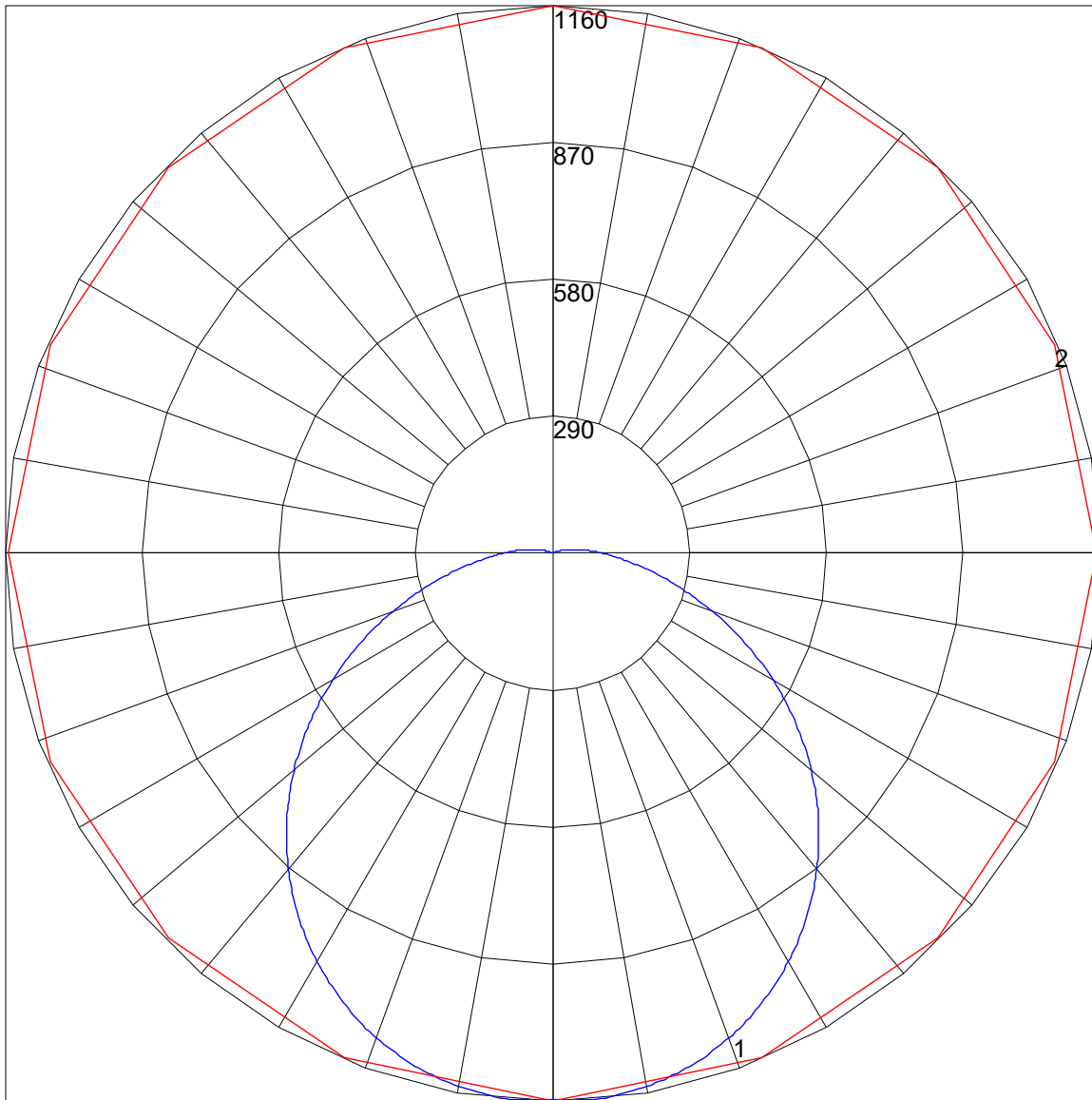
X=2H	Y=2H	15.9	17.5	16.3	17.9	18.2	17.6	19.2	18.0	19.6	19.9
	3H	17.2	18.7	17.6	19.0	19.4	19.6	21.0	20.0	21.4	21.8
	4H	17.6	19.0	18.0	19.4	19.8	20.4	21.8	20.9	22.2	22.6
	6H	17.8	19.1	18.3	19.5	19.9	21.2	22.5	21.7	22.9	23.4
	8H	17.9	19.1	18.3	19.5	20.0	21.6	22.8	22.1	23.3	23.7
	12H	17.9	19.1	18.4	19.5	20.0	22.0	23.2	22.5	23.6	24.1

UGR Viewed Endwise

4H	2H	16.7	18.1	17.2	18.5	18.9	18.1	19.4	18.5	19.8	20.3
	3H	18.3	19.4	18.7	19.9	20.3	20.3	21.4	20.7	21.9	22.3
	4H	18.8	19.9	19.3	20.3	20.8	21.3	22.3	21.8	22.8	23.3
	6H	19.2	20.1	19.6	20.6	21.1	22.3	23.2	22.7	23.7	24.2
	8H	19.2	20.1	19.7	20.6	21.1	22.7	23.6	23.2	24.1	24.6
	12H	19.3	20.1	19.8	20.6	21.1	23.2	24.0	23.7	24.5	25.0
8H	4H	19.4	20.2	19.9	20.7	21.2	21.5	22.4	22.0	22.9	23.4
	6H	19.9	20.6	20.4	21.1	21.7	22.7	23.4	23.2	23.9	24.4
	8H	20.1	20.7	20.6	21.3	21.8	23.3	23.9	23.8	24.4	25.0
	12H	20.2	20.8	20.7	21.3	21.9	23.9	24.5	24.4	25.0	25.6
12H	4H	19.5	20.3	20.0	20.8	21.3	21.5	22.3	22.0	22.8	23.3
	6H	20.1	20.8	20.7	21.3	21.8	22.7	23.4	23.3	23.9	24.5
	8H	20.3	20.9	20.9	21.5	22.1	23.4	24.0	23.9	24.5	25.1

Maximum UGR = 25.6

POLAR GRAPH



Maximum Candela = 1159.782 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.)