



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL25 UV FR 930 @450MA.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 SEL25 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 3000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set to 450mA

[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	2988
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	19.7
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	4218	4053	4036
55	3685	3683	3707
65	2972	3226	3273
75	2174	2766	2771
85	1289	2594	2430

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Zone	Lumens	%Lamp	%Fixt
0-20	371.52	N.A.	12.40
0-30	790.08	N.A.	26.40
0-40	1293.68	N.A.	43.30
0-60	2267.74	N.A.	75.90
0-80	2826.87	N.A.	94.60
0-90	2934.92	N.A.	98.20
10-90	2838.99	N.A.	95.00
20-40	922.16	N.A.	30.90
20-50	1438.89	N.A.	48.20
40-70	1318.36	N.A.	44.10
60-80	559.13	N.A.	18.70
70-80	214.83	N.A.	7.20
80-90	108.06	N.A.	3.60
90-110	53.27	N.A.	1.80
90-120	53.37	N.A.	1.80
90-130	53.37	N.A.	1.80
90-150	53.37	N.A.	1.80
90-180	53.37	N.A.	1.80
110-180	0.11	N.A.	0.00
0-180	2988.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.94
10-20	275.59
20-30	418.56
30-40	503.60
40-50	516.73
50-60	457.33
60-70	344.30
70-80	214.83
80-90	108.06
90-100	43.31
100-110	9.95
110-120	0.11
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

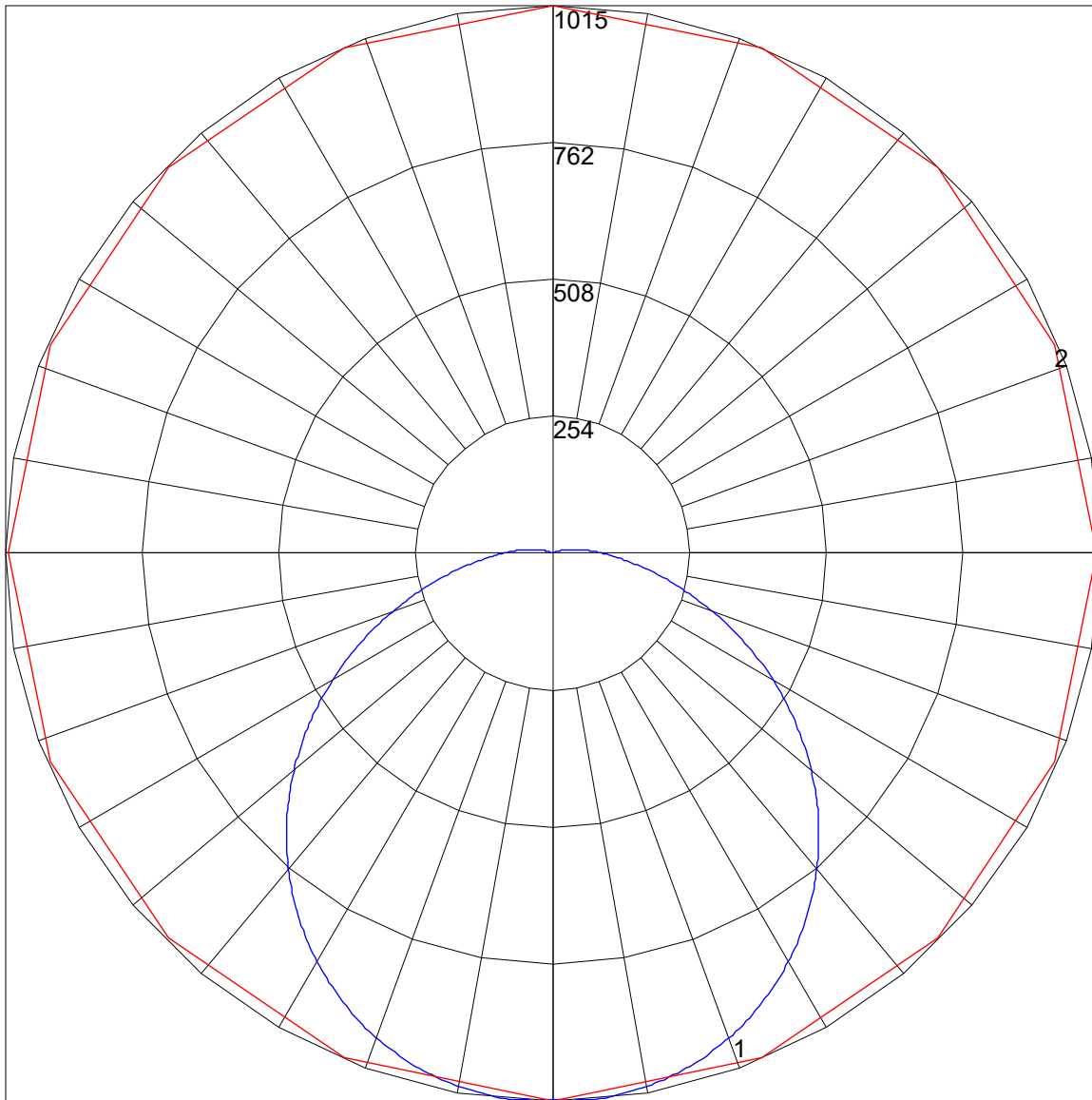
X=2H	Y=2H	15.4	17.0	15.8	17.4	17.7	17.1	18.7	17.5	19.1	19.4
	3H	16.7	18.2	17.1	18.5	18.9	19.1	20.5	19.5	20.9	21.3
	4H	17.1	18.5	17.5	18.9	19.3	19.9	21.3	20.4	21.7	22.1
	6H	17.3	18.6	17.8	19.0	19.4	20.7	22.0	21.2	22.4	22.9
	8H	17.4	18.6	17.8	19.0	19.5	21.1	22.3	21.6	22.8	23.2
	12H	17.4	18.6	17.9	19.0	19.5	21.5	22.7	22.0	23.1	23.6

UGR Viewed Endwise

4H	2H	16.2	17.6	16.7	18.0	18.4	17.6	18.9	18.0	19.3	19.8
	3H	17.8	18.9	18.2	19.4	19.8	19.8	20.9	20.2	21.4	21.8
	4H	18.3	19.4	18.8	19.8	20.3	20.8	21.8	21.3	22.3	22.8
	6H	18.7	19.6	19.1	20.1	20.6	21.8	22.7	22.2	23.2	23.7
	8H	18.7	19.6	19.2	20.1	20.6	22.2	23.1	22.7	23.6	24.1
	12H	18.8	19.6	19.3	20.1	20.6	22.7	23.5	23.2	24.0	24.5
8H	4H	18.9	19.7	19.4	20.2	20.7	21.0	21.9	21.5	22.4	22.9
	6H	19.4	20.1	19.9	20.6	21.2	22.2	22.9	22.7	23.4	23.9
	8H	19.6	20.2	20.1	20.8	21.3	22.8	23.4	23.3	23.9	24.5
	12H	19.7	20.3	20.2	20.8	21.4	23.4	24.0	23.9	24.5	25.1
12H	4H	19.0	19.8	19.5	20.3	20.8	21.0	21.8	21.5	22.3	22.8
	6H	19.6	20.3	20.2	20.8	21.3	22.2	22.9	22.8	23.4	24.0
	8H	19.8	20.4	20.4	21.0	21.6	22.9	23.4	23.4	24.0	24.6

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 1015.479 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.)