



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL15 UV FR 930 @200MA.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 SEL15 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 28 LED boards, 3000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 200mA

[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	1325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	9
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	2790	2686	2684
55	2432	2438	2465
65	1955	2132	2176
75	1419	1822	1842
85	814	1695	1616

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Zone	Lumens	%Lamp	%Fixt
0-20	164.68	N.A.	12.40
0-30	350.20	N.A.	26.40
0-40	573.42	N.A.	43.30
0-60	1005.17	N.A.	75.90
0-80	1253.00	N.A.	94.60
0-90	1300.89	N.A.	98.20
10-90	1258.37	N.A.	95.00
20-40	408.74	N.A.	30.90
20-50	637.78	N.A.	48.20
40-70	584.36	N.A.	44.10
60-80	247.83	N.A.	18.70
70-80	95.22	N.A.	7.20
80-90	47.90	N.A.	3.60
90-110	23.61	N.A.	1.80
90-120	23.66	N.A.	1.80
90-130	23.66	N.A.	1.80
90-150	23.66	N.A.	1.80
90-180	23.66	N.A.	1.80
110-180	0.05	N.A.	0.00
0-180	1324.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	42.52
10-20	122.15
20-30	185.53
30-40	223.22
40-50	229.04
50-60	202.71
60-70	152.61
70-80	95.22
80-90	47.90
90-100	19.20
100-110	4.41
110-120	0.05
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	81	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	31	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

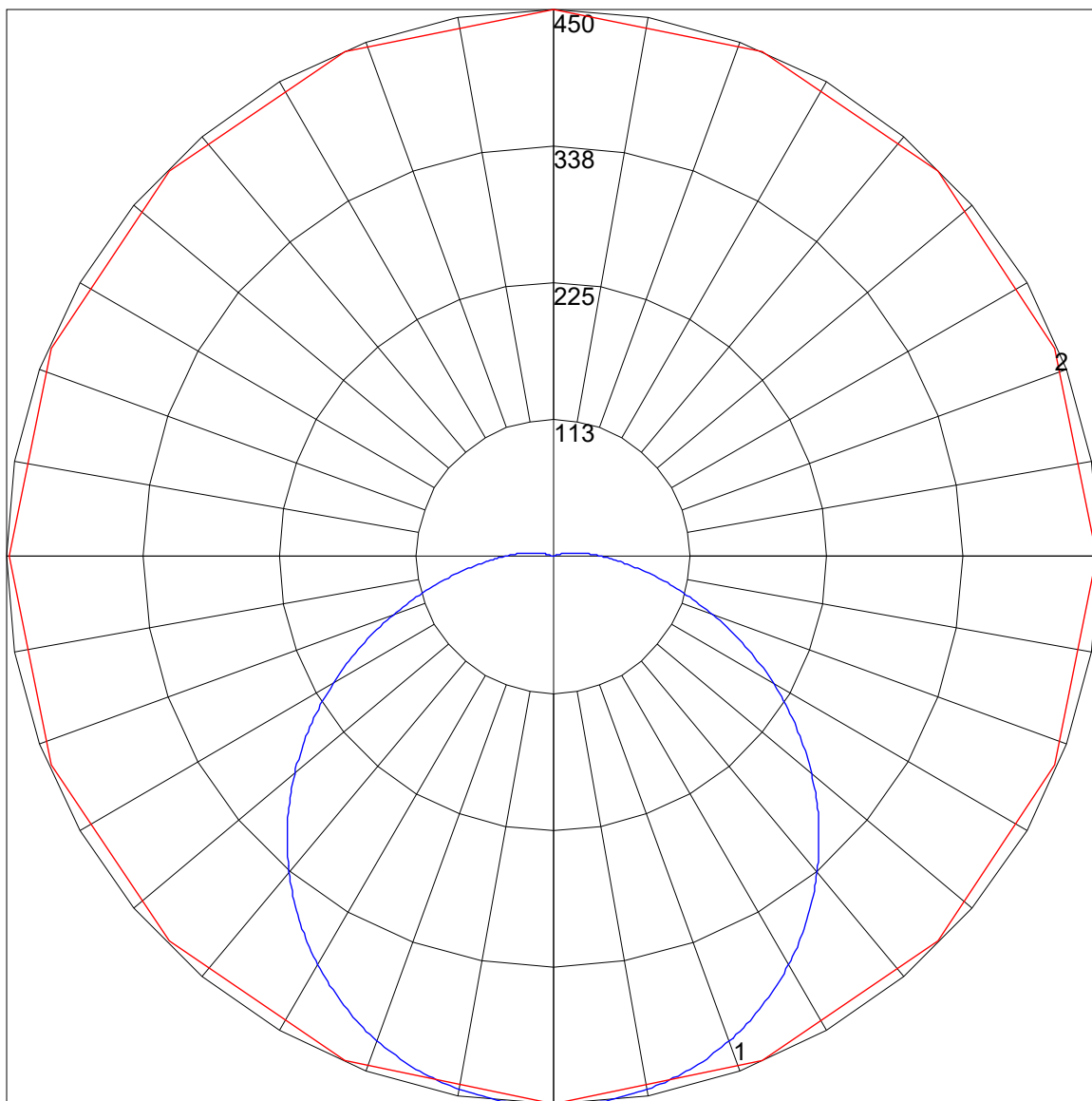
### Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	14.0	15.6	14.4	16.0	16.3	15.7	17.3	16.1	17.6	18.0
	3H	15.3	16.8	15.7	17.1	17.5	17.7	19.1	18.1	19.5	19.9
	4H	15.7	17.1	16.1	17.5	17.9	18.5	19.9	18.9	20.3	20.7
	6H	15.9	17.2	16.4	17.6	18.1	19.3	20.6	19.7	21.0	21.4
	8H	16.0	17.2	16.4	17.6	18.1	19.7	20.9	20.1	21.3	21.8
	12H	16.0	17.2	16.5	17.6	18.1	20.1	21.2	20.5	21.6	22.1
4H	2H	14.8	16.2	15.3	16.6	17.0	16.1	17.5	16.6	17.9	18.3
	3H	16.4	17.5	16.8	18.0	18.4	18.4	19.5	18.8	20.0	20.4
	4H	16.9	18.0	17.4	18.4	18.9	19.4	20.4	19.8	20.9	21.4
	6H	17.2	18.2	17.7	18.7	19.2	20.3	21.3	20.8	21.7	22.2
	8H	17.3	18.2	17.8	18.7	19.2	20.8	21.7	21.3	22.1	22.6
	12H	17.4	18.2	17.9	18.7	19.2	21.3	22.1	21.8	22.6	23.1
8H	4H	17.5	18.3	17.9	18.8	19.3	19.6	20.5	20.1	20.9	21.5
	6H	18.0	18.7	18.5	19.2	19.8	20.7	21.5	21.2	22.0	22.5
	8H	18.2	18.8	18.7	19.3	19.9	21.3	22.0	21.9	22.5	23.0
	12H	18.3	18.8	18.8	19.4	20.0	21.9	22.5	22.5	23.1	23.7
12H	4H	17.6	18.4	18.1	18.9	19.4	19.6	20.4	20.1	20.9	21.4
	6H	18.2	18.9	18.8	19.4	19.9	20.8	21.4	21.3	21.9	22.5
	8H	18.4	19.0	19.0	19.6	20.2	21.4	22.0	21.9	22.5	23.1

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 450.108 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.)