



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL15 UV FR 940 @230MA.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 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 230mA

[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	1568
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	10.3
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	3303	3180	3177
55	2879	2886	2918
65	2314	2523	2576
75	1679	2156	2181
85	963	2007	1913

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 4 SEL15 UV FR 940 @230MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	194.94	N.A.	12.40
0-30	414.56	N.A.	26.40
0-40	678.81	N.A.	43.30
0-60	1189.9	N.A.	75.90
0-80	1483.28	N.A.	94.60
0-90	1539.98	N.A.	98.20
10-90	1489.64	N.A.	95.00
20-40	483.86	N.A.	30.90
20-50	755.00	N.A.	48.20
40-70	691.75	N.A.	44.10
60-80	293.38	N.A.	18.70
70-80	112.72	N.A.	7.20
80-90	56.70	N.A.	3.60
90-110	27.95	N.A.	1.80
90-120	28.01	N.A.	1.80
90-130	28.01	N.A.	1.80
90-150	28.01	N.A.	1.80
90-180	28.01	N.A.	1.80
110-180	0.06	N.A.	0.00
0-180	1567.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	50.34
10-20	144.60
20-30	219.62
30-40	264.24
40-50	271.13
50-60	239.96
60-70	180.66
70-80	112.72
80-90	56.70
90-100	22.73
100-110	5.22
110-120	0.06
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

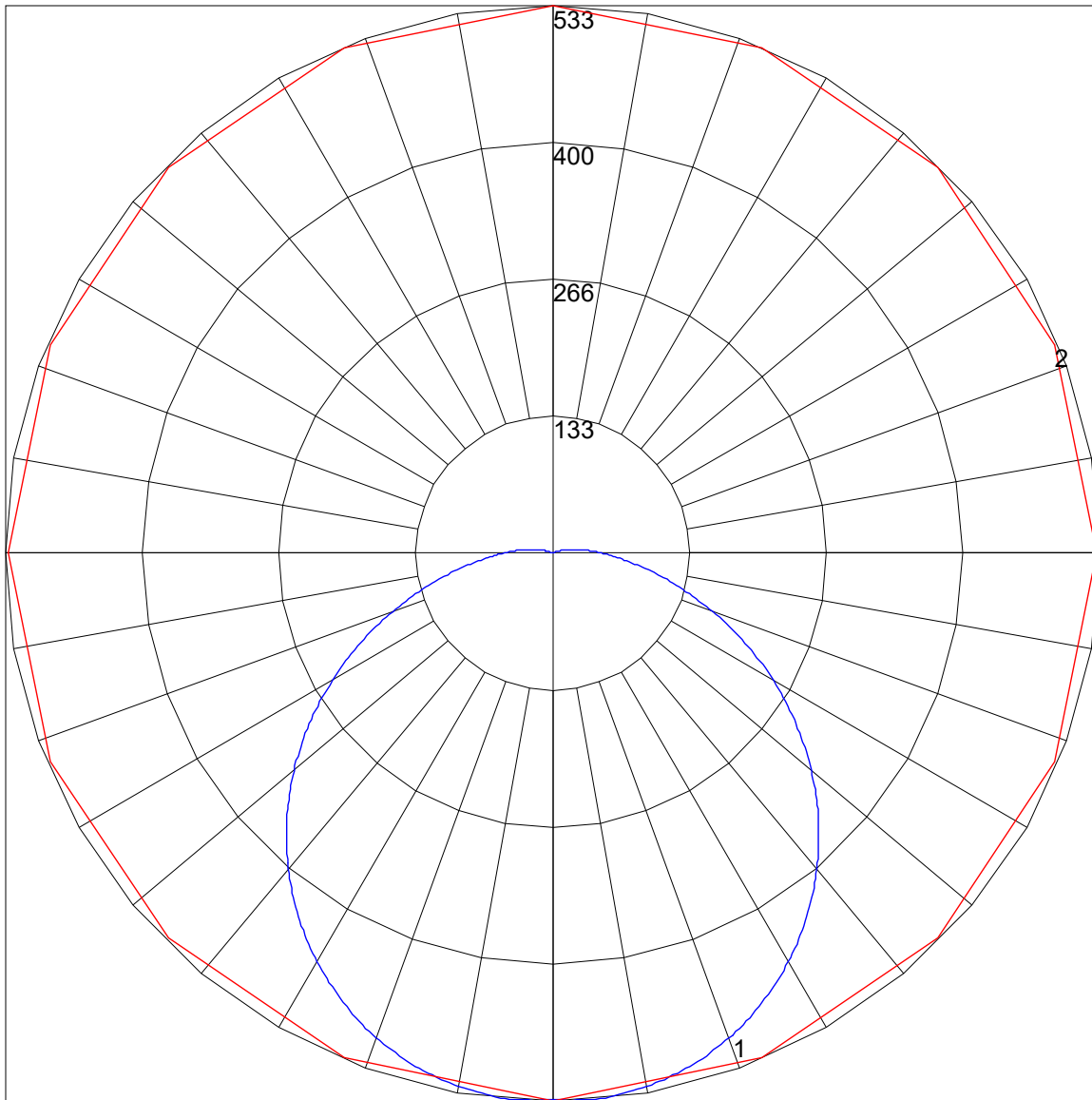
### Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	14.6	16.2	15.0	16.6	16.9	16.3	17.9	16.7	18.2	18.6
	3H	15.9	17.4	16.3	17.7	18.1	18.3	19.7	18.7	20.1	20.5
	4H	16.3	17.7	16.7	18.1	18.5	19.1	20.5	19.5	20.9	21.3
	6H	16.5	17.8	17.0	18.2	18.6	19.9	21.2	20.3	21.6	22.0
	8H	16.6	17.8	17.0	18.2	18.7	20.3	21.5	20.7	21.9	22.4
	12H	16.6	17.8	17.1	18.2	18.7	20.7	21.8	21.1	22.2	22.7
4H	2H	15.4	16.8	15.9	17.2	17.6	16.7	18.1	17.2	18.5	18.9
	3H	17.0	18.1	17.4	18.6	19.0	19.0	20.1	19.4	20.6	21.0
	4H	17.5	18.6	18.0	19.0	19.5	20.0	21.0	20.4	21.5	22.0
	6H	17.8	18.8	18.3	19.3	19.8	20.9	21.9	21.4	22.3	22.8
	8H	17.9	18.8	18.4	19.3	19.8	21.4	22.3	21.9	22.7	23.2
	12H	18.0	18.8	18.5	19.3	19.8	21.9	22.7	22.4	23.2	23.7
8H	4H	18.1	18.9	18.5	19.4	19.9	20.2	21.1	20.7	21.5	22.1
	6H	18.6	19.3	19.1	19.8	20.4	21.3	22.1	21.8	22.6	23.1
	8H	18.8	19.4	19.3	19.9	20.5	21.9	22.6	22.4	23.1	23.6
	12H	18.9	19.4	19.4	20.0	20.6	22.5	23.1	23.1	23.7	24.3
12H	4H	18.2	19.0	18.7	19.5	20.0	20.2	21.0	20.7	21.5	22.0
	6H	18.8	19.5	19.4	20.0	20.5	21.4	22.0	21.9	22.5	23.1
	8H	19.0	19.6	19.6	20.2	20.8	22.0	22.6	22.5	23.1	23.7

Maximum UGR = 24.3

POLAR GRAPH



Maximum Candela = 532.831 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.)