



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL15 UV FR 930 @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 8 SEL15 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 28 LED boards, 3000K

[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	1513
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	10.2
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)	8.00 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	1606	1541	1532
55	1404	1401	1407
65	1135	1229	1242
75	833	1055	1052
85	503	993	923

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 8 SEL15 UV FR 930 @230MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	188.06	N.A.	12.40
0-30	399.93	N.A.	26.40
0-40	654.85	N.A.	43.30
0-60	1147.91	N.A.	75.90
0-80	1430.93	N.A.	94.60
0-90	1485.63	N.A.	98.20
10-90	1437.07	N.A.	95.00
20-40	466.79	N.A.	30.90
20-50	728.35	N.A.	48.20
40-70	667.34	N.A.	44.10
60-80	283.03	N.A.	18.70
70-80	108.74	N.A.	7.20
80-90	54.70	N.A.	3.60
90-110	26.96	N.A.	1.80
90-120	27.02	N.A.	1.80
90-130	27.02	N.A.	1.80
90-150	27.02	N.A.	1.80
90-180	27.02	N.A.	1.80
110-180	0.05	N.A.	0.00
0-180	1512.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.56
10-20	139.50
20-30	211.87
30-40	254.92
40-50	261.56
50-60	231.49
60-70	174.28
70-80	108.74
80-90	54.70
90-100	21.93
100-110	5.04
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	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	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

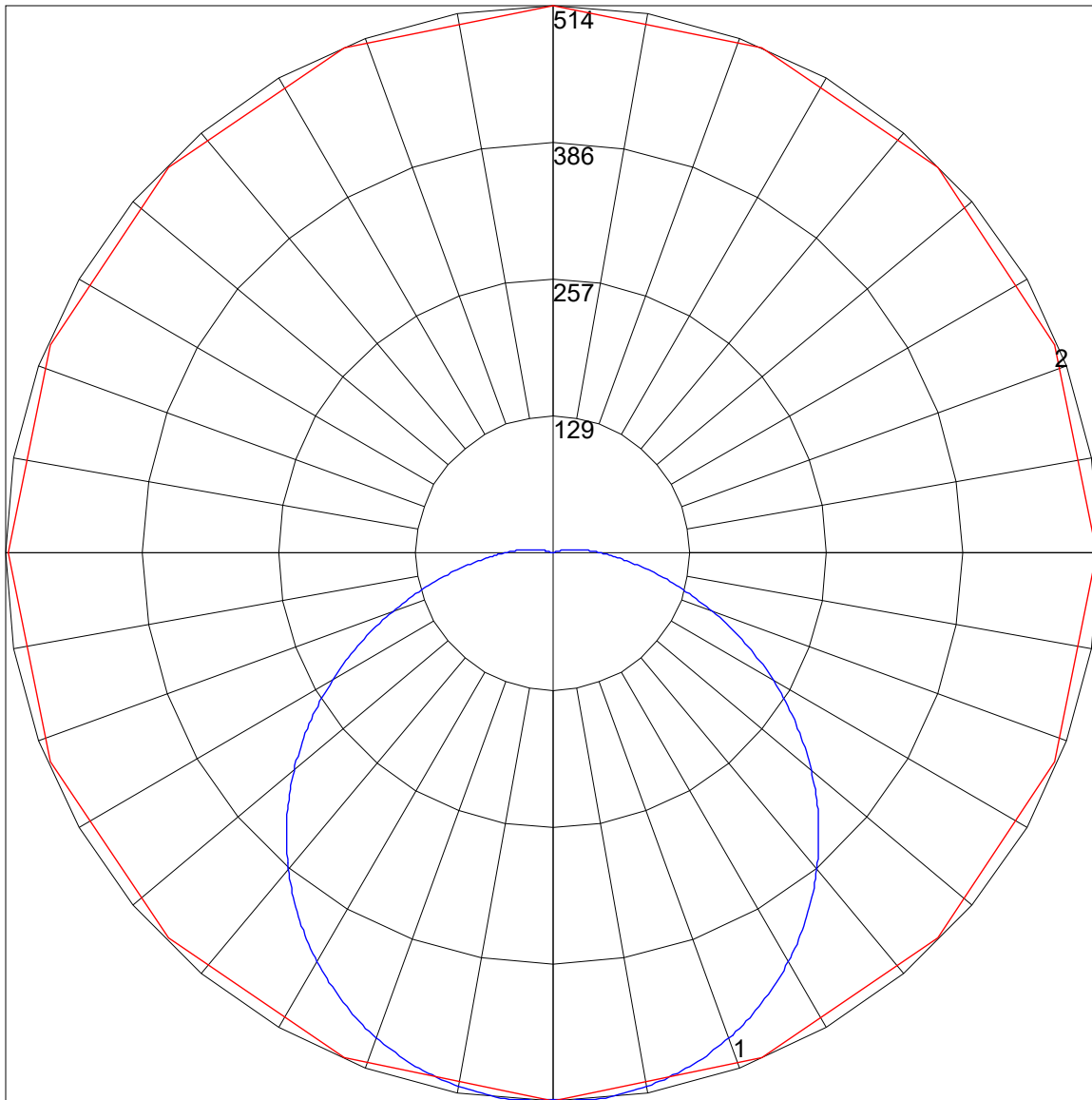
### Reflectances

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	12.0	13.6	12.4	14.0	14.3	13.7	15.3	14.1	15.7	16.0
	3H	13.3	14.8	13.7	15.1	15.5	15.7	17.2	16.1	17.5	17.9
	4H	13.7	15.1	14.1	15.5	15.9	16.5	17.9	17.0	18.3	18.7
	6H	13.9	15.2	14.4	15.6	16.0	17.3	18.6	17.8	19.0	19.5
	8H	14.0	15.2	14.4	15.6	16.1	17.7	19.0	18.2	19.4	19.8
	12H	14.0	15.2	14.5	15.6	16.1	18.1	19.3	18.6	19.7	20.2
4H	2H	12.8	14.2	13.3	14.6	15.0	14.2	15.6	14.6	15.9	16.4
	3H	14.4	15.6	14.8	16.0	16.4	16.4	17.6	16.8	18.0	18.4
	4H	14.9	16.0	15.4	16.4	16.9	17.4	18.5	17.9	18.9	19.4
	6H	15.3	16.2	15.7	16.7	17.2	18.4	19.3	18.9	19.8	20.3
	8H	15.3	16.2	15.8	16.7	17.2	18.8	19.7	19.3	20.2	20.7
	12H	15.4	16.2	15.9	16.7	17.2	19.4	20.1	19.9	20.7	21.2
8H	4H	15.5	16.3	16.0	16.8	17.3	17.6	18.5	18.1	19.0	19.5
	6H	16.0	16.7	16.5	17.2	17.8	18.8	19.5	19.3	20.0	20.6
	8H	16.2	16.8	16.7	17.4	17.9	19.4	20.0	19.9	20.6	21.1
	12H	16.3	16.9	16.8	17.4	18.0	20.0	20.6	20.6	21.1	21.7
12H	4H	15.6	16.4	16.1	16.9	17.4	17.6	18.4	18.2	19.0	19.5
	6H	16.2	16.9	16.8	17.4	18.0	18.9	19.5	19.4	20.0	20.6
	8H	16.5	17.0	17.0	17.6	18.2	19.5	20.1	20.0	20.6	21.2

Maximum UGR = 21.7

POLAR GRAPH



Maximum Candela = 514.026 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.)