



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL25 UV FR 930 @350MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 8 SEL25 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 350mA

[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	2589
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.67 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.06 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5073	4514	4376
55	4420	3989	3876
65	3560	3351	3252
75	2615	2682	2548
85	1587	2178	1932

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	317.45	N.A.	12.30
0-30	675.01	N.A.	26.10
0-40	1105.16	N.A.	42.70
0-60	1936.96	N.A.	74.80
0-80	2413.24	N.A.	93.20
0-90	2506.08	N.A.	96.80
10-90	2424.08	N.A.	93.60
20-40	787.71	N.A.	30.40
20-50	1229.17	N.A.	47.50
40-70	1125.17	N.A.	43.50
60-80	476.29	N.A.	18.40
70-80	182.92	N.A.	7.10
80-90	92.84	N.A.	3.60
90-110	62.36	N.A.	2.40
90-120	72.80	N.A.	2.80
90-130	78.32	N.A.	3.00
90-150	82.46	N.A.	3.20
90-180	83.18	N.A.	3.20
110-180	20.82	N.A.	0.80
0-180	2589.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	82.00
10-20	235.45
20-30	357.56
30-40	430.15
40-50	441.46
50-60	390.34
60-70	293.37
70-80	182.92
80-90	92.84
90-100	42.09
100-110	20.27
110-120	10.44
120-130	5.52
130-140	2.82
140-150	1.32
150-160	0.56
160-170	0.16
170-180	0.00

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Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	97	89	82	76	95	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
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

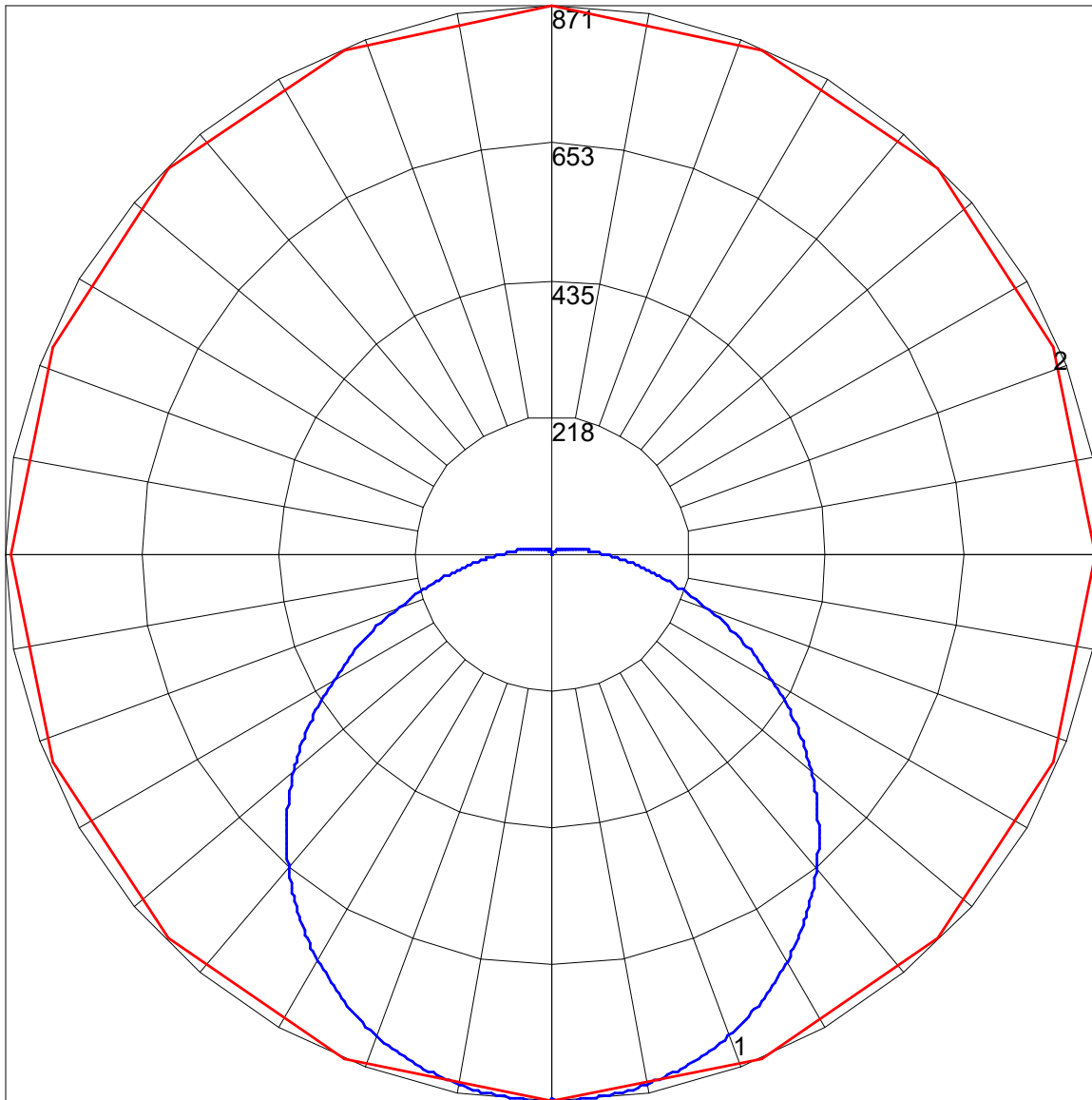
X=2H	Y=2H	15.4	17.0	15.8	17.4	17.8	17.5	19.1	17.9	19.4	19.8
	3H	16.6	18.1	17.1	18.5	18.9	19.5	20.9	19.9	21.3	21.7
	4H	17.0	18.3	17.4	18.7	19.2	20.3	21.7	20.8	22.1	22.5
	6H	17.2	18.4	17.6	18.9	19.3	21.1	22.4	21.6	22.8	23.3
	8H	17.2	18.4	17.7	18.9	19.3	21.5	22.7	21.9	23.1	23.6
	12H	17.2	18.4	17.7	18.8	19.3	21.9	23.0	22.4	23.5	24.0

### UGR Viewed Endwise

4H	2H	16.3	17.6	16.7	18.0	18.5	17.9	19.2	18.3	19.6	20.1
	3H	17.7	18.9	18.2	19.3	19.8	20.1	21.2	20.5	21.7	22.2
	4H	18.2	19.2	18.7	19.7	20.2	21.1	22.1	21.6	22.6	23.1
	6H	18.5	19.4	19.0	19.9	20.4	22.0	23.0	22.5	23.5	24.0
	8H	18.5	19.4	19.0	19.9	20.4	22.5	23.4	23.0	23.9	24.4
	12H	18.6	19.4	19.1	19.9	20.4	23.0	23.8	23.5	24.3	24.9
8H	4H	18.7	19.6	19.2	20.1	20.6	21.3	22.1	21.8	22.6	23.2
	6H	19.2	19.9	19.7	20.5	21.0	22.4	23.1	22.9	23.6	24.2
	8H	19.3	20.0	19.9	20.5	21.1	22.9	23.6	23.5	24.2	24.7
	12H	19.4	20.0	20.0	20.5	21.2	23.6	24.2	24.1	24.7	25.3
12H	4H	18.8	19.6	19.4	20.1	20.7	21.3	22.0	21.8	22.6	23.1
	6H	19.4	20.0	19.9	20.6	21.2	22.4	23.1	23.0	23.6	24.2
	8H	19.6	20.2	20.2	20.7	21.3	23.0	23.6	23.6	24.2	24.8

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 870.831 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)