



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL25 UV FR 930 @300MA.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 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 at 300mA

[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	1956
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	13
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)	5.84 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	5015	4467	4337
55	4364	3945	3841
65	3509	3312	3223
75	2567	2648	2525
85	1531	2146	1915

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	239.80	N.A.	12.30
0-30	509.91	N.A.	26.10
0-40	834.85	N.A.	42.70
0-60	1463.21	N.A.	74.80
0-80	1823.01	N.A.	93.20
0-90	1893.14	N.A.	96.80
10-90	1831.19	N.A.	93.60
20-40	595.05	N.A.	30.40
20-50	928.54	N.A.	47.50
40-70	849.98	N.A.	43.50
60-80	359.79	N.A.	18.40
70-80	138.18	N.A.	7.10
80-90	70.13	N.A.	3.60
90-110	47.11	N.A.	2.40
90-120	54.99	N.A.	2.80
90-130	59.16	N.A.	3.00
90-150	62.29	N.A.	3.20
90-180	62.84	N.A.	3.20
110-180	15.73	N.A.	0.80
0-180	1955.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	61.94
10-20	177.86
20-30	270.11
30-40	324.94
40-50	333.49
50-60	294.87
60-70	221.62
70-80	138.18
80-90	70.13
90-100	31.80
100-110	15.31
110-120	7.88
120-130	4.17
130-140	2.13
140-150	0.99
150-160	0.43
160-170	0.12
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	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	94	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

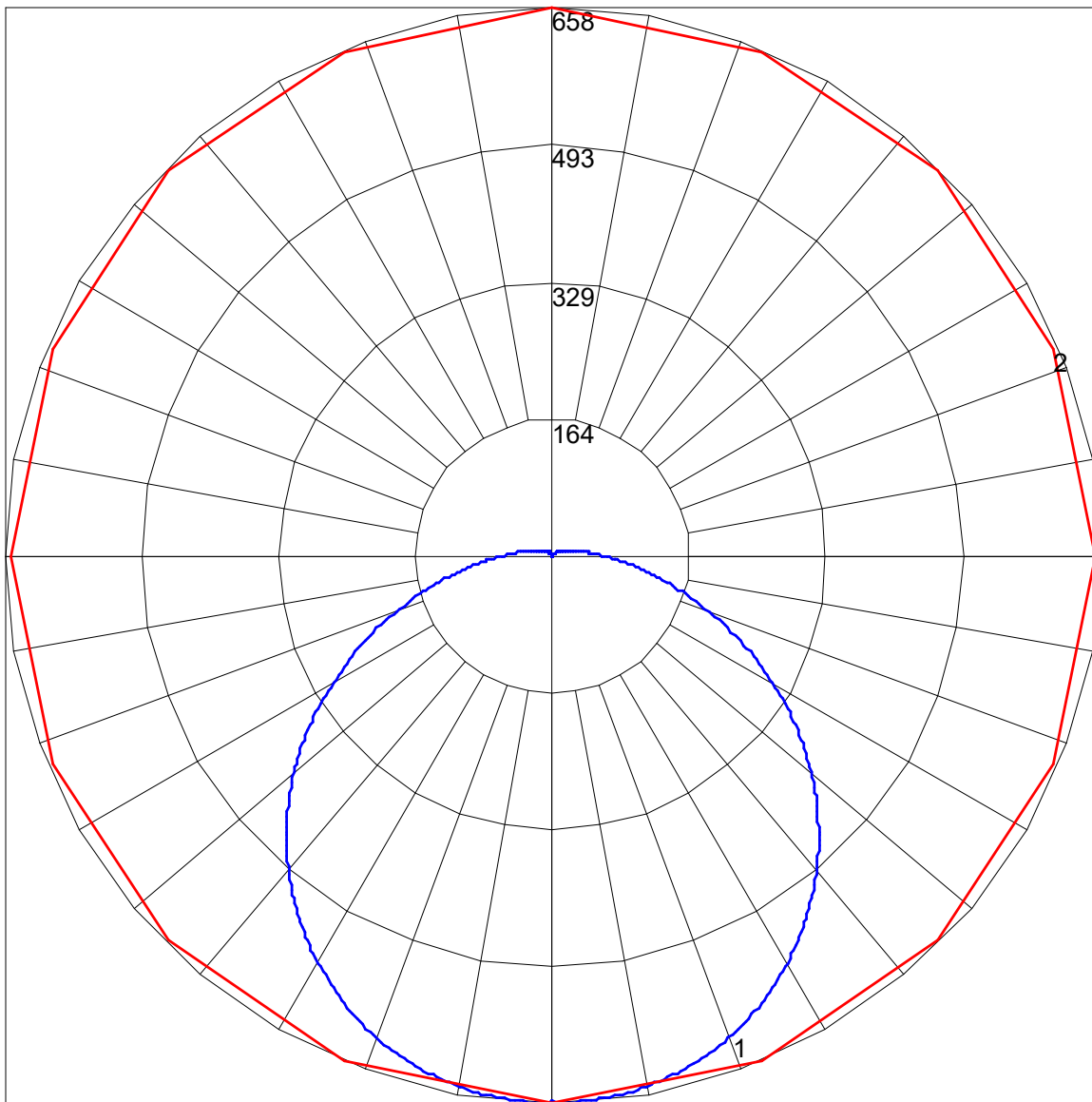
X=2H	Y=2H	15.4	16.9	15.8	17.3	17.7	17.4	19.0	17.8	19.4	19.8
	3H	16.6	18.0	17.0	18.4	18.8	19.4	20.8	19.8	21.2	21.6
	4H	16.9	18.3	17.4	18.7	19.1	20.2	21.6	20.7	22.0	22.4
	6H	17.1	18.4	17.6	18.8	19.3	21.0	22.3	21.5	22.7	23.2
	8H	17.1	18.4	17.6	18.8	19.3	21.4	22.6	21.9	23.1	23.5
	12H	17.2	18.3	17.6	18.8	19.3	21.8	23.0	22.3	23.4	23.9

### UGR Viewed Endwise

4H	2H	16.2	17.6	16.7	18.0	18.4	17.8	19.2	18.3	19.6	20.0
	3H	17.6	18.8	18.1	19.2	19.7	20.0	21.2	20.5	21.6	22.1
	4H	18.1	19.2	18.6	19.6	20.1	21.0	22.0	21.5	22.5	23.0
	6H	18.4	19.3	18.9	19.8	20.4	22.0	22.9	22.5	23.4	23.9
	8H	18.5	19.3	19.0	19.8	20.4	22.4	23.3	22.9	23.8	24.3
	12H	18.5	19.3	19.0	19.8	20.4	22.9	23.7	23.4	24.2	24.8
8H	4H	18.7	19.5	19.2	20.0	20.6	21.2	22.1	21.7	22.5	23.1
	6H	19.1	19.8	19.7	20.4	20.9	22.3	23.0	22.8	23.6	24.1
	8H	19.2	19.9	19.8	20.5	21.0	22.9	23.5	23.4	24.1	24.6
	12H	19.3	19.9	19.9	20.5	21.1	23.5	24.1	24.1	24.6	25.3
12H	4H	18.8	19.6	19.3	20.1	20.6	21.2	22.0	21.7	22.5	23.0
	6H	19.3	20.0	19.9	20.5	21.1	22.3	23.0	22.9	23.5	24.1
	8H	19.5	20.1	20.1	20.7	21.3	23.0	23.5	23.5	24.1	24.7

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 657.842 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.)