



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL15 UV FR 930 @270MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 2 SEL15 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 28 LED board, 3000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set at 270mA

[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	1732
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	12.6
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)	1.99 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	12502	11423	11276
55	10706	10006	9989
65	8487	8358	8472
75	6093	6702	6774
85	3366	5435	5338

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	211.75	N.A.	12.20
0-30	450.52	N.A.	26.00
0-40	737.33	N.A.	42.60
0-60	1288.69	N.A.	74.40
0-80	1606.7	N.A.	92.80
0-90	1670.85	N.A.	96.50
10-90	1616.18	N.A.	93.30
20-40	525.57	N.A.	30.30
20-50	818.67	N.A.	47.30
40-70	746.12	N.A.	43.10
60-80	318.01	N.A.	18.40
70-80	123.26	N.A.	7.10
80-90	64.14	N.A.	3.70
90-110	44.36	N.A.	2.60
90-120	52.02	N.A.	3.00
90-130	56.23	N.A.	3.20
90-150	60.01	N.A.	3.50
90-180	61.06	N.A.	3.50
110-180	16.70	N.A.	1.00
0-180	1731.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.67
10-20	157.09
20-30	238.76
30-40	286.81
40-50	293.09
50-60	258.27
60-70	194.75
70-80	123.26
80-90	64.14
90-100	29.80
100-110	14.56
110-120	7.66
120-130	4.21
130-140	2.40
140-150	1.37
150-160	0.76
160-170	0.27
170-180	0.03

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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	96
1	107	102	98	93	104	99	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	64	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	42	35	62	49	41	35	47	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	43	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	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	18.5	20.0	18.9	20.4	20.9	20.6	22.2	21.0	22.6	23.0
	3H	19.7	21.1	20.1	21.5	22.0	22.6	24.0	23.1	24.4	24.9
	4H	20.0	21.4	20.5	21.8	22.3	23.5	24.8	23.9	25.2	25.7
	6H	20.2	21.5	20.7	21.9	22.4	24.3	25.5	24.8	26.0	26.5
	8H	20.3	21.5	20.8	21.9	22.4	24.7	25.9	25.2	26.3	26.8
	12H	20.3	21.4	20.8	21.9	22.4	25.1	26.2	25.6	26.7	27.2

### UGR Viewed Endwise

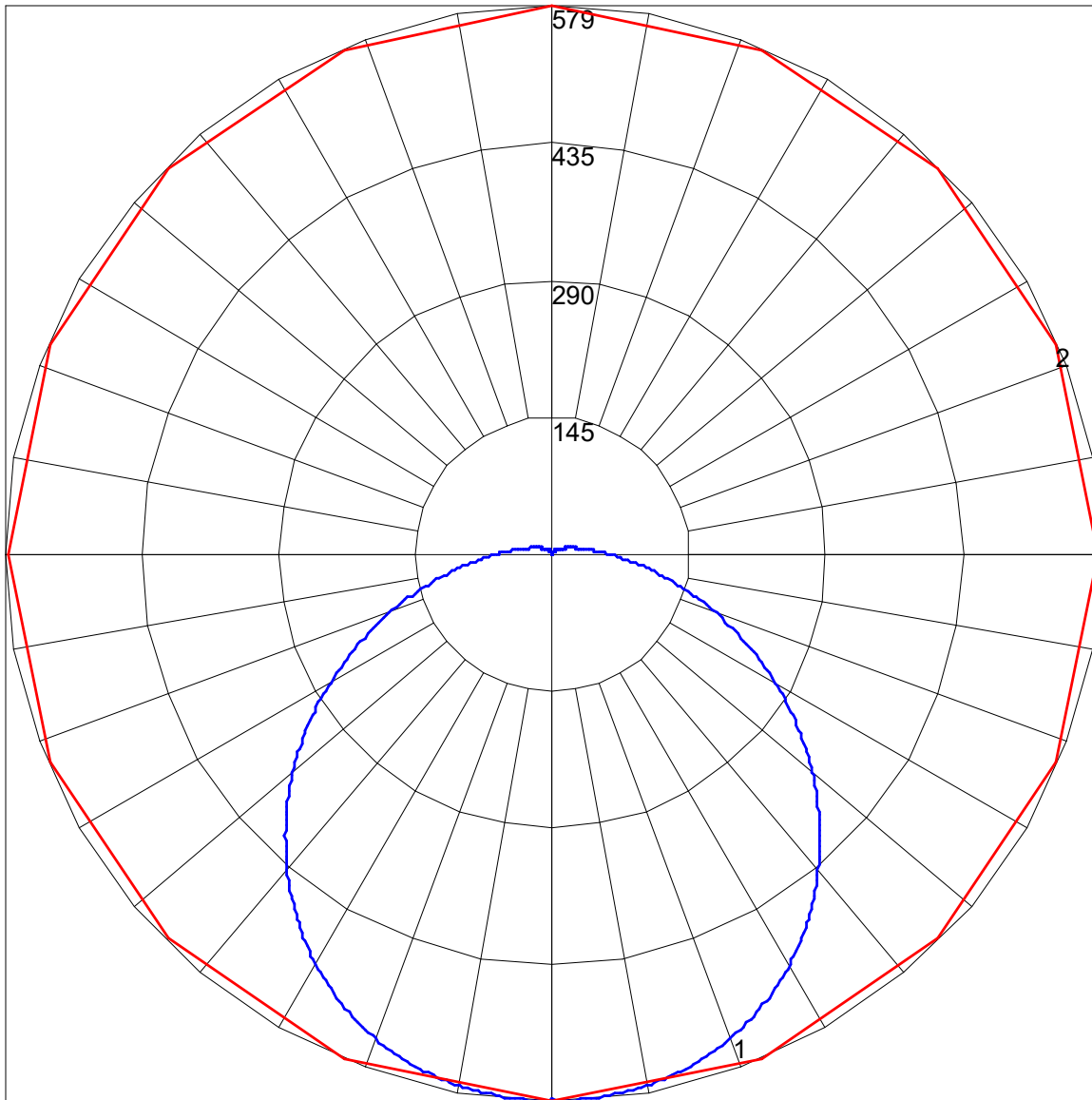
4H	2H	19.3	20.7	19.8	21.1	21.6	21.0	22.4	21.5	22.8	23.3
	3H	20.8	21.9	21.3	22.4	22.9	23.2	24.4	23.7	24.8	25.3
	4H	21.3	22.3	21.8	22.8	23.3	24.3	25.3	24.8	25.8	26.3
	6H	21.6	22.5	22.1	23.0	23.5	25.2	26.1	25.8	26.6	27.2
	8H	21.6	22.5	22.2	23.0	23.5	25.7	26.5	26.2	27.1	27.6
	12H	21.7	22.4	22.2	23.0	23.5	26.2	27.0	26.7	27.5	28.1

8H	4H	21.8	22.7	22.3	23.2	23.7	24.4	25.3	25.0	25.8	26.4
	6H	22.3	23.0	22.8	23.6	24.1	25.6	26.3	26.1	26.8	27.4
	8H	22.4	23.1	23.0	23.6	24.2	26.2	26.8	26.7	27.4	27.9
	12H	22.5	23.1	23.1	23.6	24.3	26.8	27.4	27.4	27.9	28.6

12H	4H	21.9	22.7	22.5	23.2	23.8	24.4	25.2	25.0	25.7	26.3
	6H	22.5	23.1	23.1	23.7	24.3	25.6	26.2	26.2	26.8	27.4
	8H	22.7	23.3	23.3	23.8	24.5	26.3	26.8	26.8	27.4	28.0

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 579.362 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.)