



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 930 @1400MA.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 4 SEL75 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 3000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1400mA

[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	9987
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	71.1
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)	3.84 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	38716	34564	33669
55	33613	30496	29819
65	26925	25562	25020
75	19537	20389	19604
85	11245	16449	14862

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 930 @1400MA.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1224.44	N.A.	12.30
0-30	2603.6	N.A.	26.10
0-40	4262.74	N.A.	42.70
0-60	7471.13	N.A.	74.80
0-80	9308.24	N.A.	93.20
0-90	9666.32	N.A.	96.80
10-90	9350.03	N.A.	93.60
20-40	3038.31	N.A.	30.40
20-50	4741.09	N.A.	47.50
40-70	4339.96	N.A.	43.50
60-80	1837.1	N.A.	18.40
70-80	705.53	N.A.	7.10
80-90	358.08	N.A.	3.60
90-110	240.55	N.A.	2.40
90-120	280.80	N.A.	2.80
90-130	302.08	N.A.	3.00
90-150	318.05	N.A.	3.20
90-180	320.85	N.A.	3.20
110-180	80.30	N.A.	0.80
0-180	9987.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	316.29
10-20	908.15
20-30	1379.17
30-40	1659.14
40-50	1702.78
50-60	1505.61
60-70	1131.57
70-80	705.53
80-90	358.08
90-100	162.35
100-110	78.19
110-120	40.25
120-130	21.29
130-140	10.89
140-150	5.07
150-160	2.17
160-170	0.62
170-180	0.00

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 930 @1400MA.IES

## 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

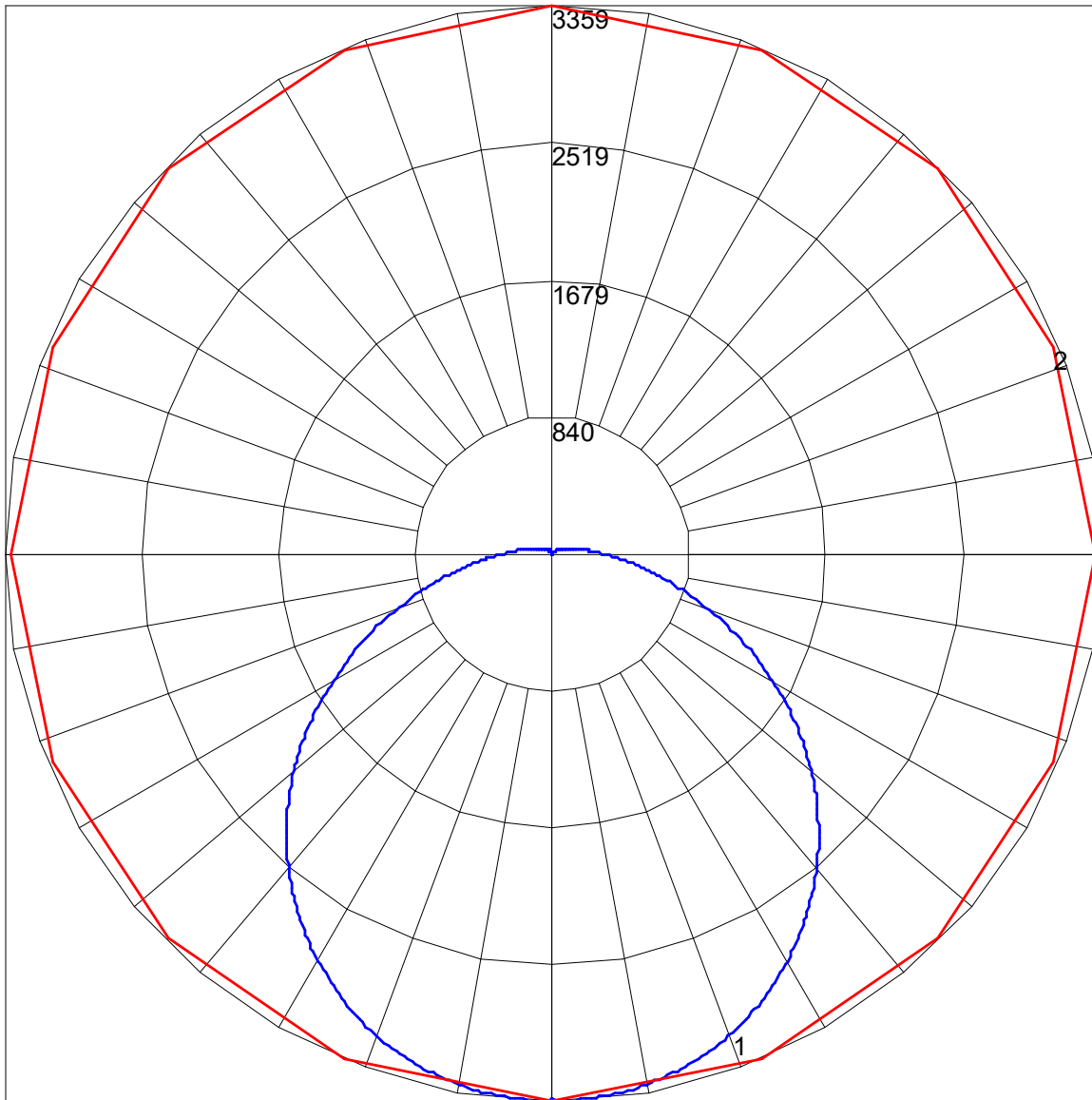
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 930 @1400MA.IES**

**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	22.5	24.1	22.9	24.5	24.9	24.5	26.1	24.9	26.5	26.9
	3H	23.7	25.2	24.2	25.5	26.0	26.5	27.9	26.9	28.3	28.8
	4H	24.1	25.4	24.5	25.8	26.3	27.4	28.7	27.8	29.1	29.6
	6H	24.3	25.5	24.7	26.0	26.4	28.1	29.4	28.6	29.8	30.3
	8H	24.3	25.5	24.8	26.0	26.4	28.5	29.7	29.0	30.2	30.6
	12H	24.3	25.5	24.8	25.9	26.4	28.9	30.1	29.4	30.5	31.0
4H	2H	23.4	24.7	23.8	25.1	25.6	25.0	26.3	25.4	26.7	27.2
	3H	24.8	25.9	25.2	26.4	26.9	27.1	28.3	27.6	28.7	29.2
	4H	25.3	26.3	25.7	26.8	27.3	28.1	29.2	28.6	29.6	30.1
	6H	25.6	26.5	26.1	27.0	27.5	29.1	30.0	29.6	30.5	31.0
	8H	25.6	26.5	26.1	27.0	27.5	29.5	30.4	30.0	30.9	31.4
	12H	25.7	26.4	26.2	27.0	27.5	30.0	30.8	30.5	31.3	31.9
8H	4H	25.8	26.7	26.3	27.2	27.7	28.3	29.2	28.8	29.7	30.2
	6H	26.3	27.0	26.8	27.5	28.1	29.4	30.1	29.9	30.7	31.2
	8H	26.4	27.1	26.9	27.6	28.2	30.0	30.6	30.5	31.2	31.7
	12H	26.5	27.1	27.0	27.6	28.2	30.6	31.2	31.1	31.7	32.3
12H	4H	25.9	26.7	26.4	27.2	27.8	28.3	29.1	28.8	29.6	30.2
	6H	26.5	27.1	27.0	27.6	28.2	29.4	30.1	30.0	30.6	31.2
	8H	26.7	27.3	27.2	27.8	28.4	30.1	30.6	30.6	31.2	31.8

Maximum UGR = 32.3

POLAR GRAPH



Maximum Candela = 3358.922 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.)