



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SH UV FR 935.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 4 SH UV FR 935

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,  
[MORE] translucent curved plastic enclosure.

[LAMP] 128 white LEDs on two LS3873A LED boards

[BALLAST] One ULT D21CC80UNVPW-C LED driver labeled as 1420mA

[OTHER] 120.0Vac, 60.00Hz, 0.6058A, 72.53W, 0.998PF, 6.0%THD(i)

[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	10148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	72.5
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	39339	35120	34211
55	34154	30986	30299
65	27358	25973	25423
75	19851	20717	19919
85	11426	16714	15101

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 SH UV FR 935.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1244.13	N.A.	12.30
0-30	2645.47	N.A.	26.10
0-40	4331.3	N.A.	42.70
0-60	7591.28	N.A.	74.80
0-80	9457.93	N.A.	93.20
0-90	9821.77	N.A.	96.80
10-90	9500.39	N.A.	93.60
20-40	3087.17	N.A.	30.40
20-50	4817.33	N.A.	47.50
40-70	4409.76	N.A.	43.50
60-80	1866.65	N.A.	18.40
70-80	716.88	N.A.	7.10
80-90	363.84	N.A.	3.60
90-110	244.42	N.A.	2.40
90-120	285.31	N.A.	2.80
90-130	306.94	N.A.	3.00
90-150	323.17	N.A.	3.20
90-180	326.01	N.A.	3.20
110-180	81.59	N.A.	0.80
0-180	10147.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	321.37
10-20	922.75
20-30	1401.35
30-40	1685.82
40-50	1730.16
50-60	1529.83
60-70	1149.77
70-80	716.88
80-90	363.84
90-100	164.97
100-110	79.45
110-120	40.90
120-130	21.63
130-140	11.07
140-150	5.16
150-160	2.21
160-170	0.63
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 SH UV FR 935.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

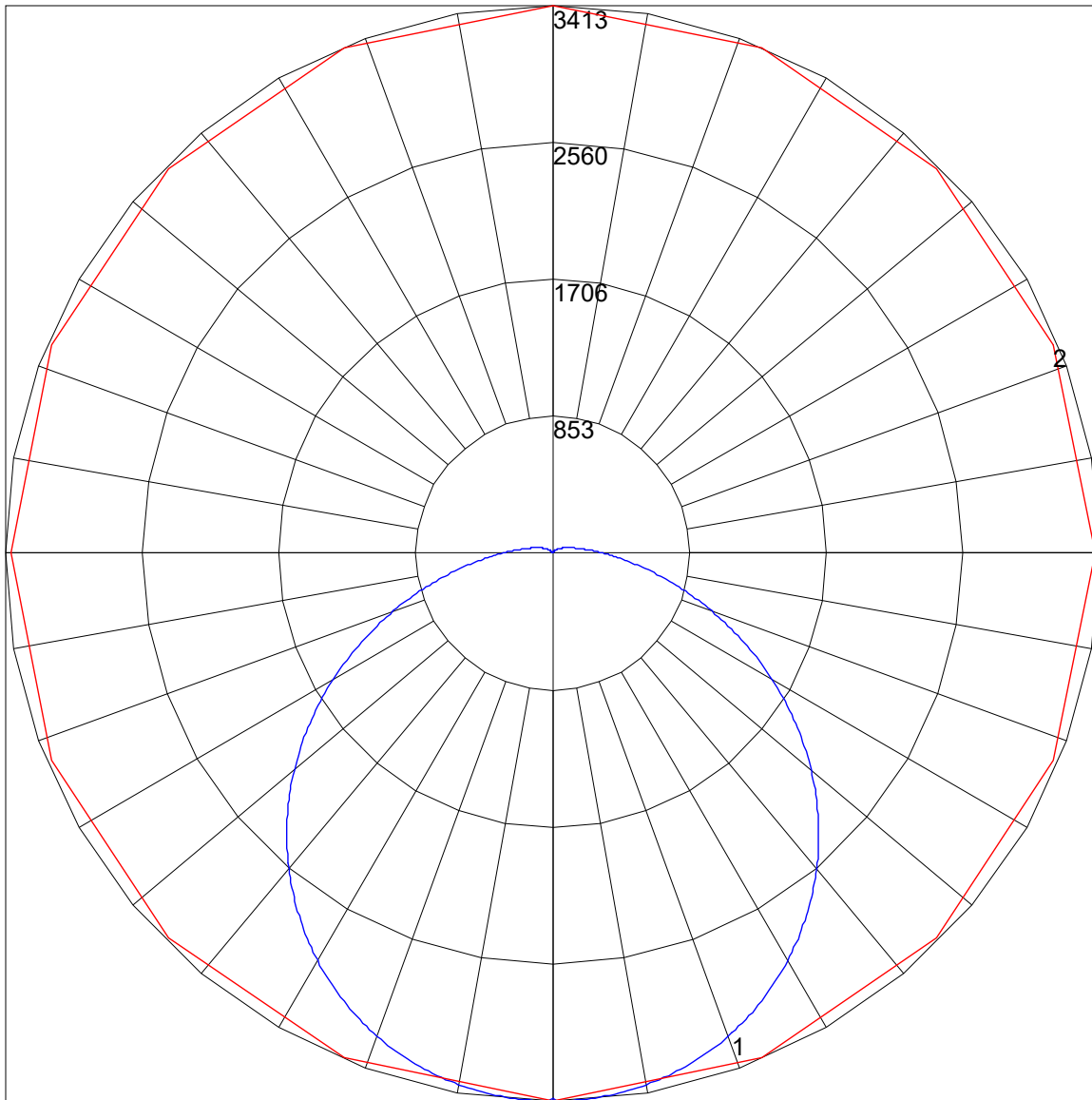
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 SH UV FR 935.IES**

**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	22.6	24.2	23.0	24.6	25.0	24.6	26.2	25.0	26.6	27.0
	3H	23.8	25.3	24.3	25.6	26.1	26.6	28.0	27.0	28.4	28.9
	4H	24.2	25.5	24.6	25.9	26.4	27.5	28.8	27.9	29.2	29.7
	6H	24.4	25.6	24.8	26.1	26.5	28.2	29.5	28.7	29.9	30.4
	8H	24.4	25.6	24.9	26.1	26.5	28.6	29.8	29.1	30.3	30.7
	12H	24.4	25.6	24.9	26.0	26.5	29.0	30.2	29.5	30.6	31.1
4H	2H	23.5	24.8	23.9	25.2	25.7	25.1	26.4	25.5	26.8	27.3
	3H	24.9	26.0	25.3	26.5	27.0	27.2	28.4	27.7	28.8	29.3
	4H	25.4	26.4	25.8	26.9	27.4	28.2	29.3	28.7	29.7	30.2
	6H	25.7	26.6	26.2	27.1	27.6	29.2	30.1	29.7	30.6	31.1
	8H	25.7	26.6	26.2	27.1	27.6	29.6	30.5	30.1	31.0	31.5
	12H	25.8	26.5	26.3	27.1	27.6	30.1	30.9	30.6	31.4	32.0
8H	4H	25.9	26.8	26.4	27.3	27.8	28.4	29.3	28.9	29.8	30.3
	6H	26.4	27.1	26.9	27.6	28.2	29.5	30.2	30.0	30.8	31.3
	8H	26.5	27.2	27.0	27.7	28.3	30.1	30.7	30.6	31.3	31.8
	12H	26.6	27.2	27.1	27.7	28.3	30.7	31.3	31.2	31.8	32.4
12H	4H	26.0	26.8	26.5	27.3	27.9	28.4	29.2	28.9	29.7	30.3
	6H	26.6	27.2	27.1	27.7	28.3	29.5	30.2	30.1	30.7	31.3
	8H	26.8	27.4	27.3	27.9	28.5	30.2	30.7	30.7	31.3	31.9

Maximum UGR = 32.4

POLAR GRAPH



Maximum Candela = 3412.939 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.)