



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 MH UV FR 930.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 4 MH UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMP] 96 white LEDs on two LS3873A LED boards

[BALLAST] One ULT D10CC30UNVPW-C LED driver labeled as 670mA

[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	4976
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	34.2
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	19289	17220	16774
55	16747	15194	14856
65	13415	12735	12466
75	9734	10158	9767
85	5603	8195	7404

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 MH UV FR 930.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	610.03	N.A.	12.30
0-30	1297.15	N.A.	26.10
0-40	2123.76	N.A.	42.70
0-60	3722.23	N.A.	74.80
0-80	4637.5	N.A.	93.20
0-90	4815.9	N.A.	96.80
10-90	4658.32	N.A.	93.60
20-40	1513.73	N.A.	30.40
20-50	2362.08	N.A.	47.50
40-70	2162.23	N.A.	43.50
60-80	915.27	N.A.	18.40
70-80	351.51	N.A.	7.10
80-90	178.40	N.A.	3.60
90-110	119.84	N.A.	2.40
90-120	139.90	N.A.	2.80
90-130	150.50	N.A.	3.00
90-150	158.46	N.A.	3.20
90-180	159.85	N.A.	3.20
110-180	40.01	N.A.	0.80
0-180	4975.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	157.58
10-20	452.45
20-30	687.12
30-40	826.61
40-50	848.35
50-60	750.12
60-70	563.76
70-80	351.51
80-90	178.40
90-100	80.89
100-110	38.96
110-120	20.05
120-130	10.61
130-140	5.43
140-150	2.53
150-160	1.08
160-170	0.31
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 MH UV FR 930.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

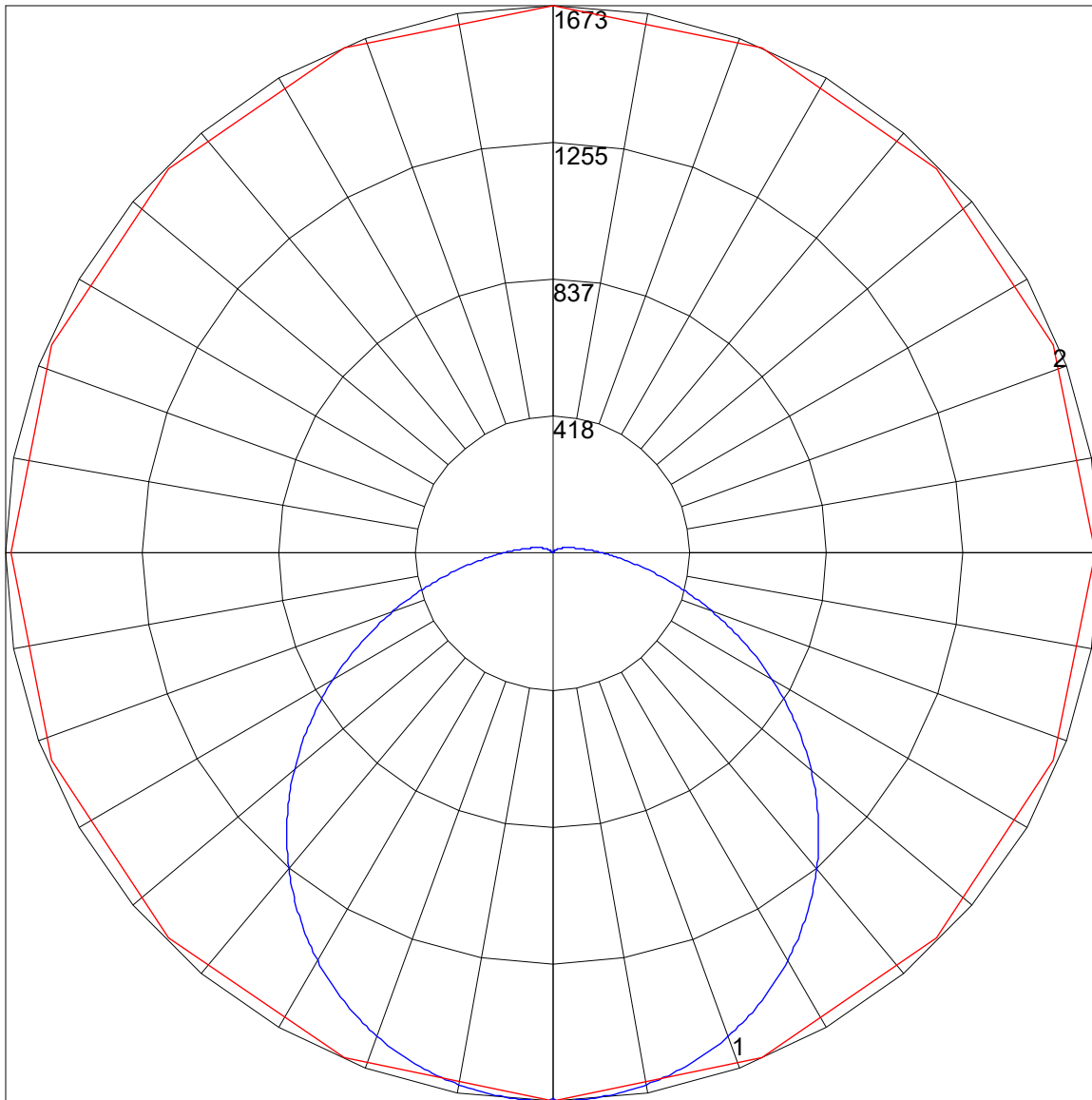
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL N G2 4 MH UV FR 930.IES**

**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	20.1	21.7	20.5	22.1	22.5	22.1	23.7	22.5	24.1	24.5
	3H	21.3	22.8	21.8	23.1	23.6	24.1	25.5	24.5	25.9	26.4
	4H	21.7	23.0	22.1	23.4	23.9	25.0	26.3	25.4	26.7	27.2
	6H	21.9	23.1	22.3	23.6	24.0	25.7	27.0	26.2	27.4	27.9
	8H	21.9	23.1	22.4	23.6	24.0	26.1	27.3	26.6	27.8	28.2
	12H	21.9	23.1	22.4	23.5	24.0	26.5	27.7	27.0	28.1	28.6
4H	2H	21.0	22.3	21.4	22.7	23.2	22.6	23.9	23.0	24.3	24.8
	3H	22.4	23.5	22.8	24.0	24.5	24.7	25.9	25.2	26.3	26.8
	4H	22.9	23.9	23.3	24.4	24.9	25.7	26.8	26.2	27.2	27.7
	6H	23.2	24.1	23.7	24.6	25.1	26.7	27.6	27.2	28.1	28.6
	8H	23.2	24.1	23.7	24.6	25.1	27.1	28.0	27.6	28.5	29.0
	12H	23.3	24.0	23.8	24.6	25.1	27.6	28.4	28.1	28.9	29.5
8H	4H	23.4	24.3	23.9	24.8	25.3	25.9	26.8	26.4	27.3	27.8
	6H	23.9	24.6	24.4	25.1	25.7	27.0	27.7	27.5	28.3	28.8
	8H	24.0	24.7	24.5	25.2	25.8	27.6	28.2	28.1	28.8	29.3
	12H	24.1	24.7	24.6	25.2	25.8	28.2	28.8	28.7	29.3	29.9
12H	4H	23.5	24.3	24.0	24.8	25.4	25.9	26.7	26.4	27.2	27.8
	6H	24.1	24.7	24.6	25.2	25.8	27.0	27.7	27.6	28.2	28.8
	8H	24.3	24.9	24.8	25.4	26.0	27.7	28.2	28.2	28.8	29.4

Maximum UGR = 29.9

POLAR GRAPH



Maximum Candela = 1673.463 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.)