



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL100 UV FR 930 @1800MA.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 8 SEL100 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-100-UV-PS1800-54-VDIM-LM2 LED driver set at 1800mA

[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	13108
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	90.2
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)	7.67 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	25684	22853	22156
55	22375	20194	19623
65	18024	16963	16465
75	13237	13576	12901
85	8032	11028	9780

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ECL N G2 8 SEL100 UV FR 930 @1800MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1607.11	N.A.	12.30
0-30	3417.31	N.A.	26.10
0-40	5594.99	N.A.	42.70
0-60	9806.1	N.A.	74.80
0-80	12217.35	N.A.	93.20
0-90	12687.34	N.A.	96.80
10-90	12272.21	N.A.	93.60
20-40	3987.88	N.A.	30.40
20-50	6222.82	N.A.	47.50
40-70	5696.34	N.A.	43.50
60-80	2411.25	N.A.	18.40
70-80	926.03	N.A.	7.10
80-90	469.99	N.A.	3.60
90-110	315.73	N.A.	2.40
90-120	368.56	N.A.	2.80
90-130	396.49	N.A.	3.00
90-150	417.45	N.A.	3.20
90-180	421.12	N.A.	3.20
110-180	105.40	N.A.	0.80
0-180	13108.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	415.14
10-20	1191.97
20-30	1810.2
30-40	2177.67
40-50	2234.95
50-60	1976.17
60-70	1485.22
70-80	926.03
80-90	469.99
90-100	213.10
100-110	102.63
110-120	52.83
120-130	27.94
130-140	14.30
140-150	6.66
150-160	2.85
160-170	0.82
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL100 UV FR 930 @1800MA.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 8 SEL100 UV FR 930 @1800MA.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

X=2H	Y=2H	21.0	22.6	21.4	23.0	23.4	23.1	24.7	23.5	25.0	25.4
	3H	22.2	23.7	22.7	24.1	24.5	25.1	26.5	25.5	26.9	27.3
	4H	22.6	23.9	23.0	24.3	24.8	25.9	27.3	26.4	27.7	28.1
	6H	22.8	24.0	23.2	24.5	24.9	26.7	28.0	27.2	28.4	28.9
	8H	22.8	24.0	23.3	24.5	24.9	27.1	28.3	27.6	28.7	29.2
	12H	22.8	24.0	23.3	24.4	24.9	27.5	28.6	28.0	29.1	29.6

UGR Viewed Endwise

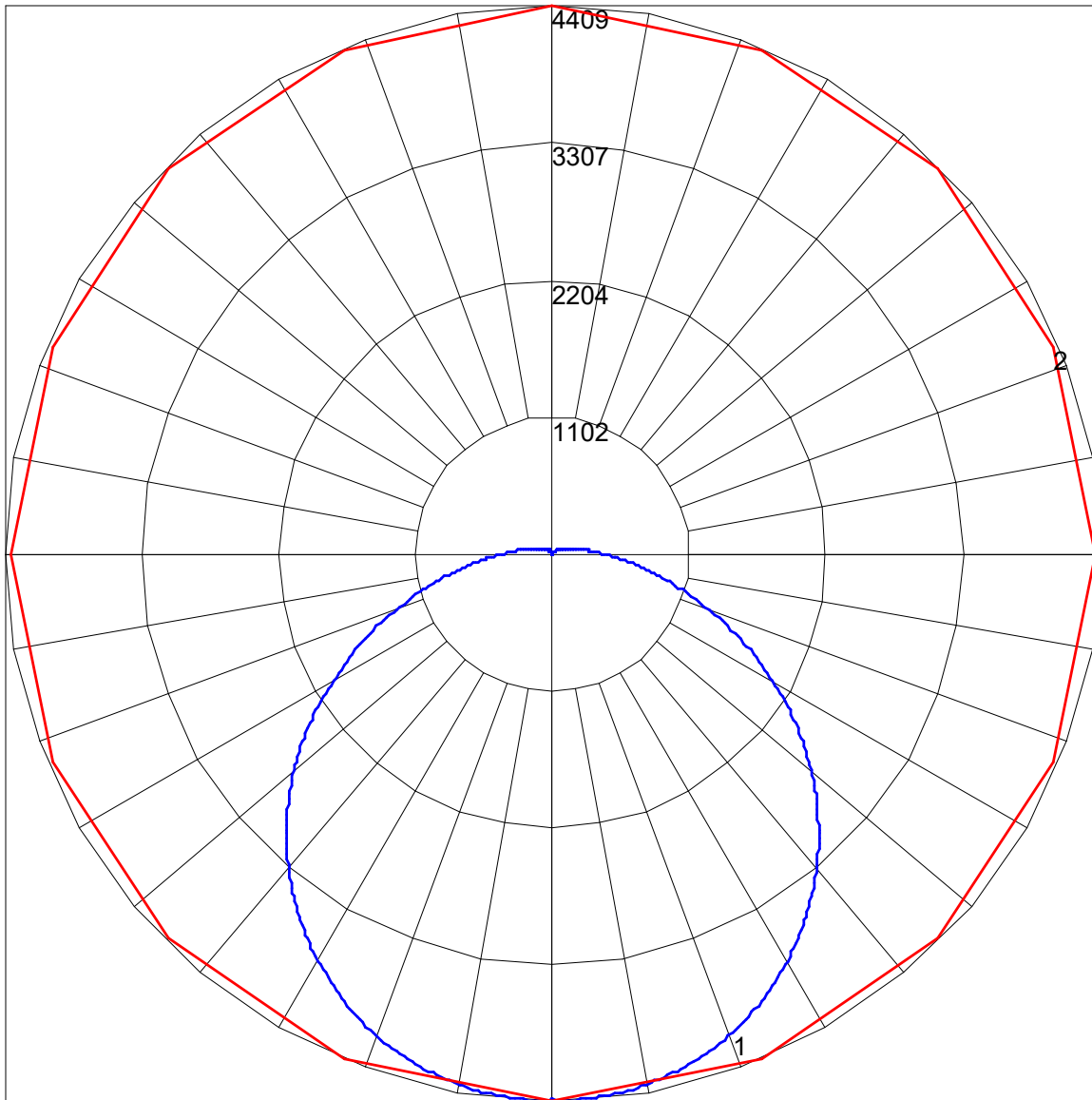
4H	2H	21.9	23.2	22.3	23.6	24.1	23.5	24.8	23.9	25.3	25.7
	3H	23.3	24.5	23.8	24.9	25.4	25.7	26.8	26.1	27.3	27.8
	4H	23.8	24.8	24.3	25.3	25.8	26.7	27.7	27.2	28.2	28.7
	6H	24.1	25.0	24.6	25.5	26.0	27.6	28.6	28.1	29.1	29.6
	8H	24.1	25.0	24.6	25.5	26.0	28.1	29.0	28.6	29.5	30.0
	12H	24.2	25.0	24.7	25.5	26.0	28.6	29.4	29.1	29.9	30.5

8H	4H	24.3	25.2	24.8	25.7	26.2	26.9	27.7	27.4	28.2	28.8
	6H	24.8	25.5	25.3	26.1	26.6	28.0	28.7	28.5	29.2	29.8
	8H	24.9	25.6	25.5	26.1	26.7	28.5	29.2	29.1	29.8	30.3
	12H	25.0	25.6	25.6	26.1	26.8	29.2	29.8	29.7	30.3	30.9

12H	4H	24.4	25.2	25.0	25.8	26.3	26.9	27.6	27.4	28.2	28.7
	6H	25.0	25.6	25.5	26.2	26.8	28.0	28.7	28.6	29.2	29.8
	8H	25.2	25.8	25.8	26.3	27.0	28.6	29.2	29.2	29.8	30.4

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 4408.691 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.)