



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL35 UV FR 940 @550MA.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 6 SEL35 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 550mA

[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	3692
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	23.4
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)	5.84 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	9466	8431	8186
55	8237	7447	7250
65	6624	6251	6084
75	4846	4998	4767
85	2890	4051	3614

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 6 SEL35 UV FR 940 @550MA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	452.61	N.A.	12.30
0-30	962.42	N.A.	26.10
0-40	1575.72	N.A.	42.70
0-60	2761.7	N.A.	74.80
0-80	3440.78	N.A.	93.20
0-90	3573.15	N.A.	96.80
10-90	3456.23	N.A.	93.60
20-40	1123.11	N.A.	30.40
20-50	1752.54	N.A.	47.50
40-70	1604.26	N.A.	43.50
60-80	679.08	N.A.	18.40
70-80	260.80	N.A.	7.10
80-90	132.36	N.A.	3.60
90-110	88.92	N.A.	2.40
90-120	103.80	N.A.	2.80
90-130	111.67	N.A.	3.00
90-150	117.57	N.A.	3.20
90-180	118.60	N.A.	3.20
110-180	29.68	N.A.	0.80
0-180	3691.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	116.92
10-20	335.70
20-30	509.81
30-40	613.30
40-50	629.43
50-60	556.55
60-70	418.28
70-80	260.80
80-90	132.36
90-100	60.01
100-110	28.90
110-120	14.88
120-130	7.87
130-140	4.03
140-150	1.88
150-160	0.80
160-170	0.23
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL35 UV FR 940 @550MA.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 6 SEL35 UV FR 940 @550MA.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	17.6	19.1	18.0	19.5	19.9	19.6	21.2	20.0	21.6	22.0
	3H	18.8	20.2	19.2	20.6	21.0	21.6	23.0	22.0	23.4	23.8
	4H	19.1	20.5	19.6	20.9	21.3	22.4	23.8	22.9	24.2	24.6
	6H	19.3	20.6	19.8	21.0	21.5	23.2	24.5	23.7	24.9	25.4
	8H	19.3	20.6	19.8	21.0	21.5	23.6	24.8	24.1	25.3	25.7
	12H	19.4	20.5	19.8	21.0	21.5	24.0	25.2	24.5	25.6	26.1

UGR Viewed Endwise

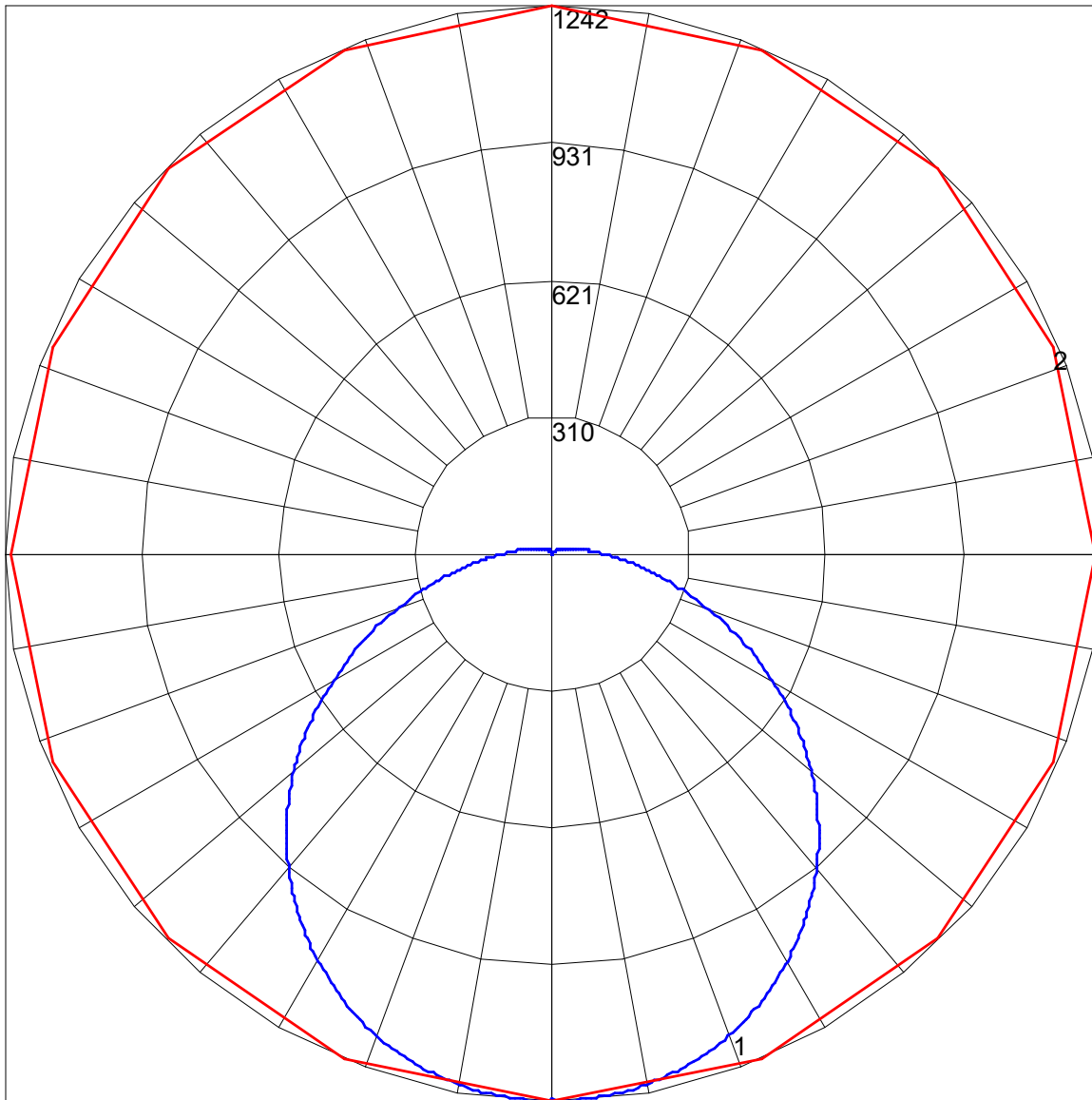
4H	2H	18.4	19.8	18.9	20.2	20.6	20.0	21.4	20.5	21.8	22.2
	3H	19.8	21.0	20.3	21.4	21.9	22.2	23.4	22.7	23.8	24.3
	4H	20.3	21.4	20.8	21.8	22.3	23.2	24.2	23.7	24.7	25.2
	6H	20.6	21.5	21.1	22.0	22.6	24.2	25.1	24.7	25.6	26.1
	8H	20.7	21.5	21.2	22.0	22.6	24.6	25.5	25.1	26.0	26.5
	12H	20.7	21.5	21.2	22.0	22.6	25.1	25.9	25.6	26.4	27.0

8H	4H	20.9	21.7	21.4	22.2	22.8	23.4	24.3	23.9	24.7	25.3
	6H	21.3	22.0	21.9	22.6	23.1	24.5	25.2	25.0	25.8	26.3
	8H	21.4	22.1	22.0	22.7	23.2	25.1	25.7	25.6	26.3	26.8
	12H	21.6	22.1	22.1	22.7	23.3	25.7	26.3	26.3	26.8	27.5

12H	4H	21.0	21.8	21.5	22.3	22.8	23.4	24.2	23.9	24.7	25.2
	6H	21.5	22.2	22.1	22.7	23.3	24.5	25.2	25.1	25.7	26.3
	8H	21.7	22.3	22.3	22.9	23.5	25.2	25.7	25.7	26.3	26.9

Maximum UGR = 27.5

POLAR GRAPH



Maximum Candela = 1241.623 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.)