



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL25 UV FR 940 @400MA.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 SEL25 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 400mA

[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	3071
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	19.9
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	11905	10629	10354
55	10336	9378	9170
65	8280	7860	7694
75	6008	6270	6028
85	3458	5058	4570

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ECL N G2 4 SEL25 UV FR 940 @400MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	376.52	N.A.	12.30
0-30	800.63	N.A.	26.10
0-40	1310.83	N.A.	42.70
0-60	2297.43	N.A.	74.80
0-80	2862.36	N.A.	93.20
0-90	2972.47	N.A.	96.80
10-90	2875.21	N.A.	93.60
20-40	934.30	N.A.	30.40
20-50	1457.92	N.A.	47.50
40-70	1334.57	N.A.	43.50
60-80	564.92	N.A.	18.40
70-80	216.96	N.A.	7.10
80-90	110.11	N.A.	3.60
90-110	73.97	N.A.	2.40
90-120	86.35	N.A.	2.80
90-130	92.89	N.A.	3.00
90-150	97.80	N.A.	3.20
90-180	98.66	N.A.	3.20
110-180	24.69	N.A.	0.80
0-180	3071.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.26
10-20	279.26
20-30	424.11
30-40	510.20
40-50	523.62
50-60	462.99
60-70	347.97
70-80	216.96
80-90	110.11
90-100	49.93
100-110	24.05
110-120	12.38
120-130	6.55
130-140	3.35
140-150	1.56
150-160	0.67
160-170	0.19
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 4 SEL25 UV FR 940 @400MA.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

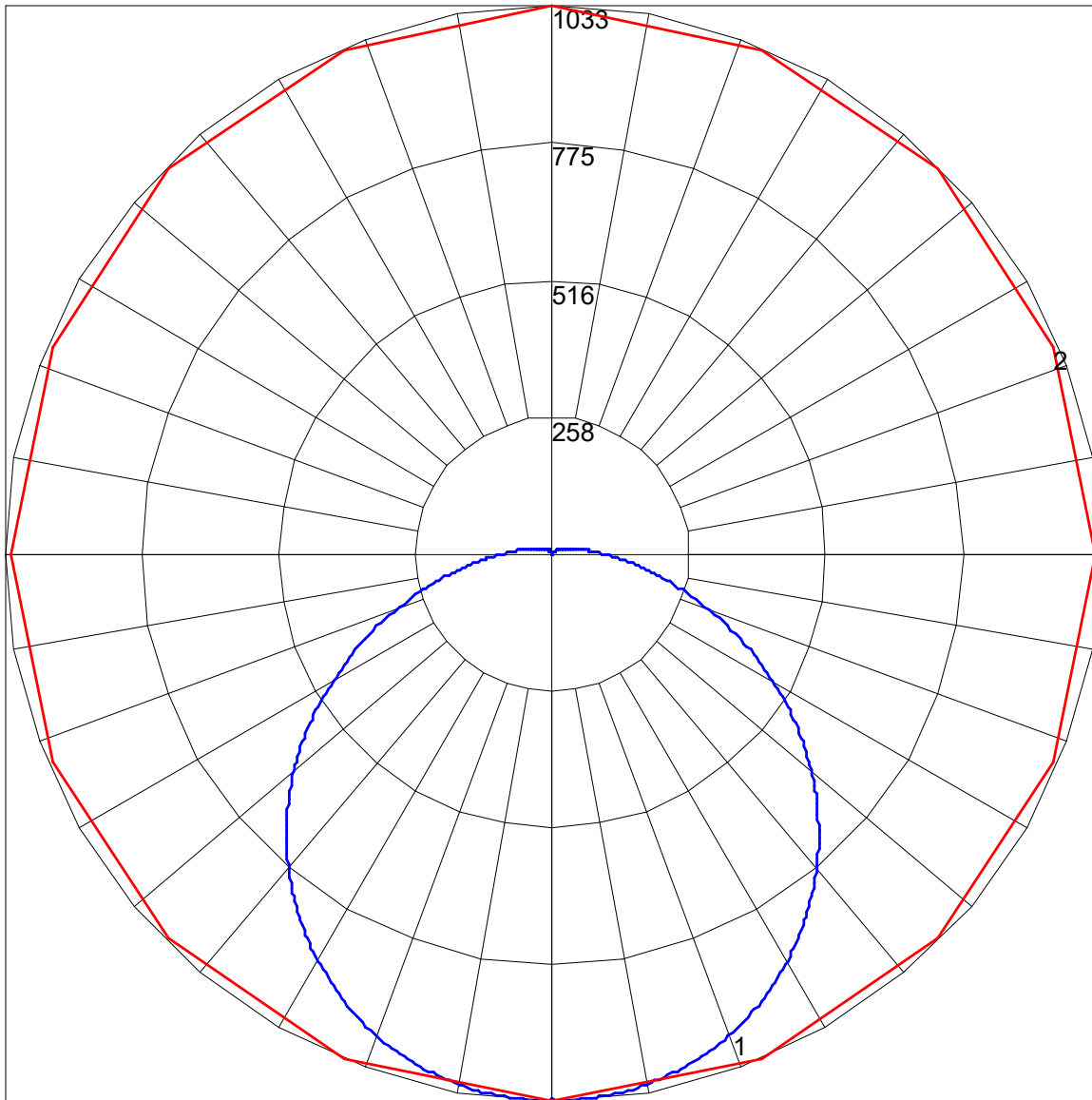
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 4 SEL25 UV FR 940 @400MA.IES

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	18.4	20.0	18.8	20.4	20.8	20.4	22.0	20.8	22.4	22.8
	3H	19.6	21.1	20.1	21.4	21.9	22.4	23.8	22.8	24.2	24.7
	4H	20.0	21.3	20.4	21.7	22.2	23.3	24.6	23.7	25.0	25.5
	6H	20.2	21.4	20.6	21.9	22.3	24.0	25.3	24.5	25.7	26.2
	8H	20.2	21.4	20.7	21.9	22.3	24.4	25.6	24.9	26.1	26.5
	12H	20.2	21.4	20.7	21.8	22.3	24.8	26.0	25.3	26.4	26.9
4H	2H	19.3	20.6	19.7	21.0	21.5	20.9	22.2	21.3	22.6	23.1
	3H	20.7	21.8	21.1	22.3	22.8	23.0	24.2	23.5	24.6	25.1
	4H	21.2	22.2	21.6	22.7	23.2	24.0	25.1	24.5	25.5	26.0
	6H	21.5	22.4	22.0	22.9	23.4	25.0	25.9	25.5	26.4	26.9
	8H	21.5	22.4	22.0	22.9	23.4	25.4	26.3	25.9	26.8	27.3
	12H	21.6	22.3	22.1	22.9	23.4	25.9	26.7	26.4	27.2	27.8
8H	4H	21.7	22.6	22.2	23.1	23.6	24.2	25.1	24.7	25.6	26.1
	6H	22.2	22.9	22.7	23.4	24.0	25.3	26.0	25.8	26.6	27.1
	8H	22.3	23.0	22.8	23.5	24.1	25.9	26.5	26.4	27.1	27.6
	12H	22.4	23.0	22.9	23.5	24.1	26.5	27.1	27.0	27.6	28.2
12H	4H	21.8	22.6	22.3	23.1	23.7	24.2	25.0	24.7	25.5	26.1
	6H	22.4	23.0	22.9	23.5	24.1	25.3	26.0	25.9	26.5	27.1
	8H	22.6	23.2	23.1	23.7	24.3	26.0	26.5	26.5	27.1	27.7

Maximum UGR = 28.2

POLAR GRAPH



Maximum Candela = 1032.896 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.)