



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL25 UV FR 940 @300MA.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 SEL25 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 300mA

[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	2277
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	14.6
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	4462	3970	3849
55	3887	3508	3409
65	3131	2947	2860
75	2300	2358	2241
85	1395	1916	1699

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 8 SEL25 UV FR 940 @300MA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	279.19	N.A.	12.30
0-30	593.65	N.A.	26.10
0-40	971.96	N.A.	42.70
0-60	1703.51	N.A.	74.80
0-80	2122.4	N.A.	93.20
0-90	2204.04	N.A.	96.80
10-90	2131.93	N.A.	93.60
20-40	692.77	N.A.	30.40
20-50	1081.03	N.A.	47.50
40-70	989.57	N.A.	43.50
60-80	418.88	N.A.	18.40
70-80	160.87	N.A.	7.10
80-90	81.65	N.A.	3.60
90-110	54.85	N.A.	2.40
90-120	64.03	N.A.	2.80
90-130	68.88	N.A.	3.00
90-150	72.52	N.A.	3.20
90-180	73.16	N.A.	3.20
110-180	18.31	N.A.	0.80
0-180	2277.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.12
10-20	207.07
20-30	314.47
30-40	378.31
40-50	388.25
50-60	343.30
60-70	258.01
70-80	160.87
80-90	81.65
90-100	37.02
100-110	17.83
110-120	9.18
120-130	4.85
130-140	2.48
140-150	1.16
150-160	0.50
160-170	0.14
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 8 SEL25 UV FR 940 @300MA.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	95	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 SEL25 UV FR 940 @300MA.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

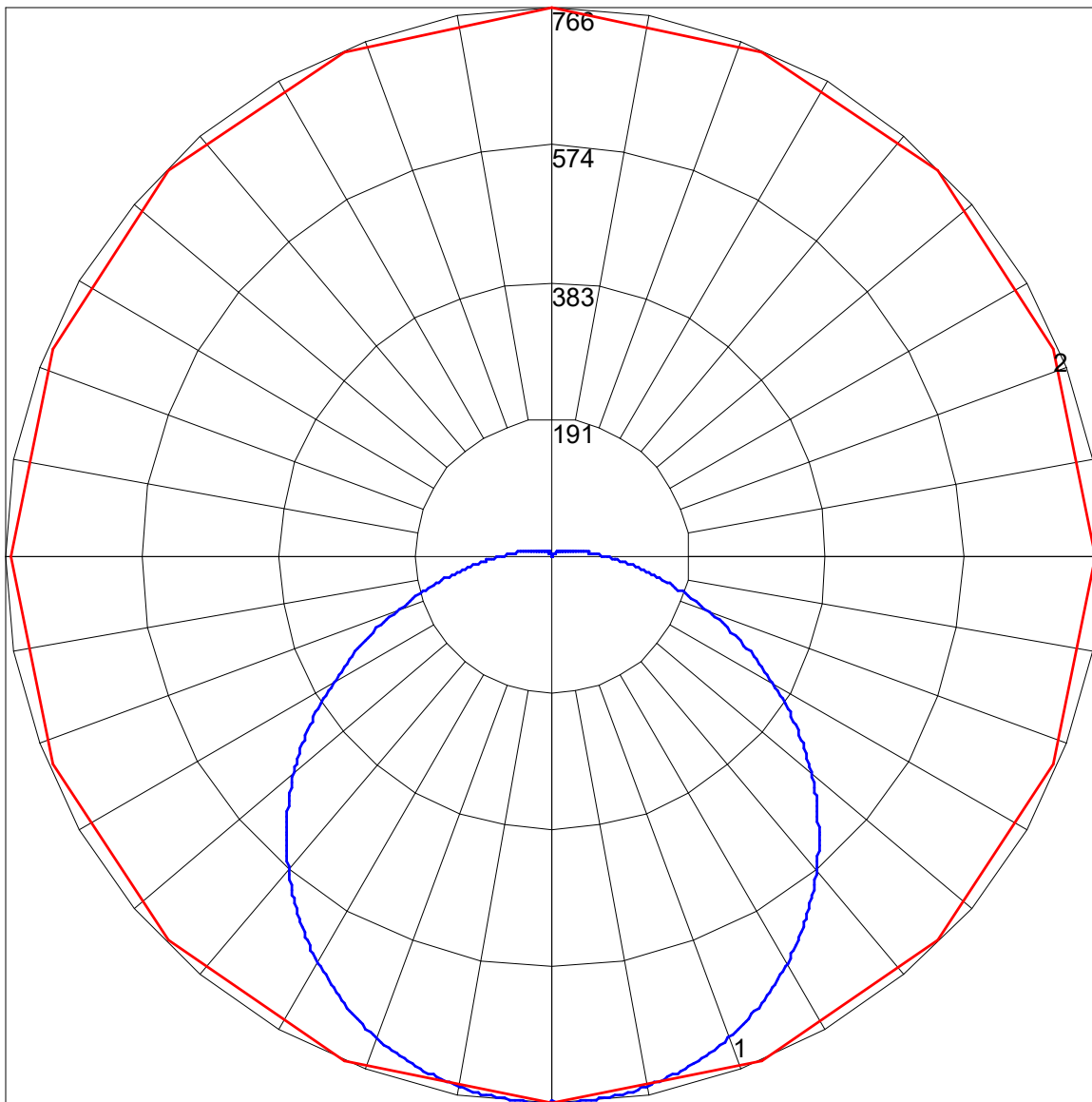
X=2H	Y=2H	15.0	16.6	15.4	17.0	17.4	17.1	18.7	17.5	19.0	19.4
	3H	16.2	17.7	16.7	18.1	18.5	19.1	20.5	19.5	20.9	21.3
	4H	16.6	17.9	17.0	18.3	18.8	19.9	21.3	20.4	21.7	22.1
	6H	16.8	18.0	17.2	18.5	18.9	20.7	22.0	21.2	22.4	22.9
	8H	16.8	18.0	17.3	18.5	18.9	21.1	22.3	21.6	22.7	23.2
	12H	16.8	18.0	17.3	18.4	18.9	21.5	22.6	22.0	23.1	23.6

UGR Viewed Endwise

4H	2H	15.9	17.2	16.3	17.6	18.1	17.5	18.8	17.9	19.3	19.7
	3H	17.3	18.5	17.8	18.9	19.4	19.7	20.8	20.1	21.3	21.8
	4H	17.8	18.8	18.3	19.3	19.8	20.7	21.7	21.2	22.2	22.7
	6H	18.1	19.0	18.6	19.5	20.0	21.6	22.6	22.1	23.1	23.6
	8H	18.1	19.0	18.6	19.5	20.0	22.1	23.0	22.6	23.5	24.0
	12H	18.2	19.0	18.7	19.5	20.0	22.6	23.4	23.1	23.9	24.5
8H	4H	18.3	19.2	18.8	19.7	20.2	20.9	21.7	21.4	22.2	22.8
	6H	18.8	19.5	19.3	20.1	20.6	22.0	22.7	22.5	23.2	23.8
	8H	18.9	19.6	19.5	20.1	20.7	22.5	23.2	23.1	23.8	24.3
	12H	19.0	19.6	19.6	20.1	20.8	23.2	23.8	23.7	24.3	24.9
12H	4H	18.4	19.2	19.0	19.8	20.3	20.9	21.6	21.4	22.2	22.7
	6H	19.0	19.6	19.5	20.2	20.8	22.0	22.7	22.6	23.2	23.8
	8H	19.2	19.8	19.8	20.3	21.0	22.6	23.2	23.2	23.8	24.4

Maximum UGR = 24.9

POLAR GRAPH



Maximum Candela = 765.877 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.)