



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL25 UV FR 935 @450MA.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 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 48 LED boards, 3500K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 450mA

[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	3376
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	22.5
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	13088	11685	11382
55	11363	10309	10080
65	9102	8641	8458
75	6605	6893	6627
85	3801	5561	5024

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ECL N G2 4 SEL25 UV FR 935 @450MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	413.92	N.A.	12.30
0-30	880.15	N.A.	26.10
0-40	1441.03	N.A.	42.70
0-60	2525.63	N.A.	74.80
0-80	3146.66	N.A.	93.20
0-90	3267.71	N.A.	96.80
10-90	3160.79	N.A.	93.60
20-40	1027.11	N.A.	30.40
20-50	1602.73	N.A.	47.50
40-70	1467.13	N.A.	43.50
60-80	621.04	N.A.	18.40
70-80	238.51	N.A.	7.10
80-90	121.05	N.A.	3.60
90-110	81.32	N.A.	2.40
90-120	94.92	N.A.	2.80
90-130	102.12	N.A.	3.00
90-150	107.52	N.A.	3.20
90-180	108.46	N.A.	3.20
110-180	27.15	N.A.	0.80
0-180	3376.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.92
10-20	307.00
20-30	466.23
30-40	560.88
40-50	575.63
50-60	508.98
60-70	382.53
70-80	238.51
80-90	121.05
90-100	54.88
100-110	26.43
110-120	13.61
120-130	7.20
130-140	3.68
140-150	1.72
150-160	0.74
160-170	0.21
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 4 SEL25 UV FR 935 @450MA.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 935 @450MA.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	18.7	20.3	19.1	20.7	21.1	20.7	22.3	21.1	22.7	23.1
	3H	19.9	21.4	20.4	21.7	22.2	22.7	24.1	23.1	24.5	25.0
	4H	20.3	21.6	20.7	22.0	22.5	23.6	24.9	24.0	25.3	25.8
	6H	20.5	21.7	20.9	22.2	22.6	24.3	25.6	24.8	26.0	26.5
	8H	20.5	21.7	21.0	22.2	22.6	24.7	25.9	25.2	26.4	26.8
	12H	20.5	21.7	21.0	22.1	22.6	25.1	26.2	25.6	26.7	27.2

UGR Viewed Endwise

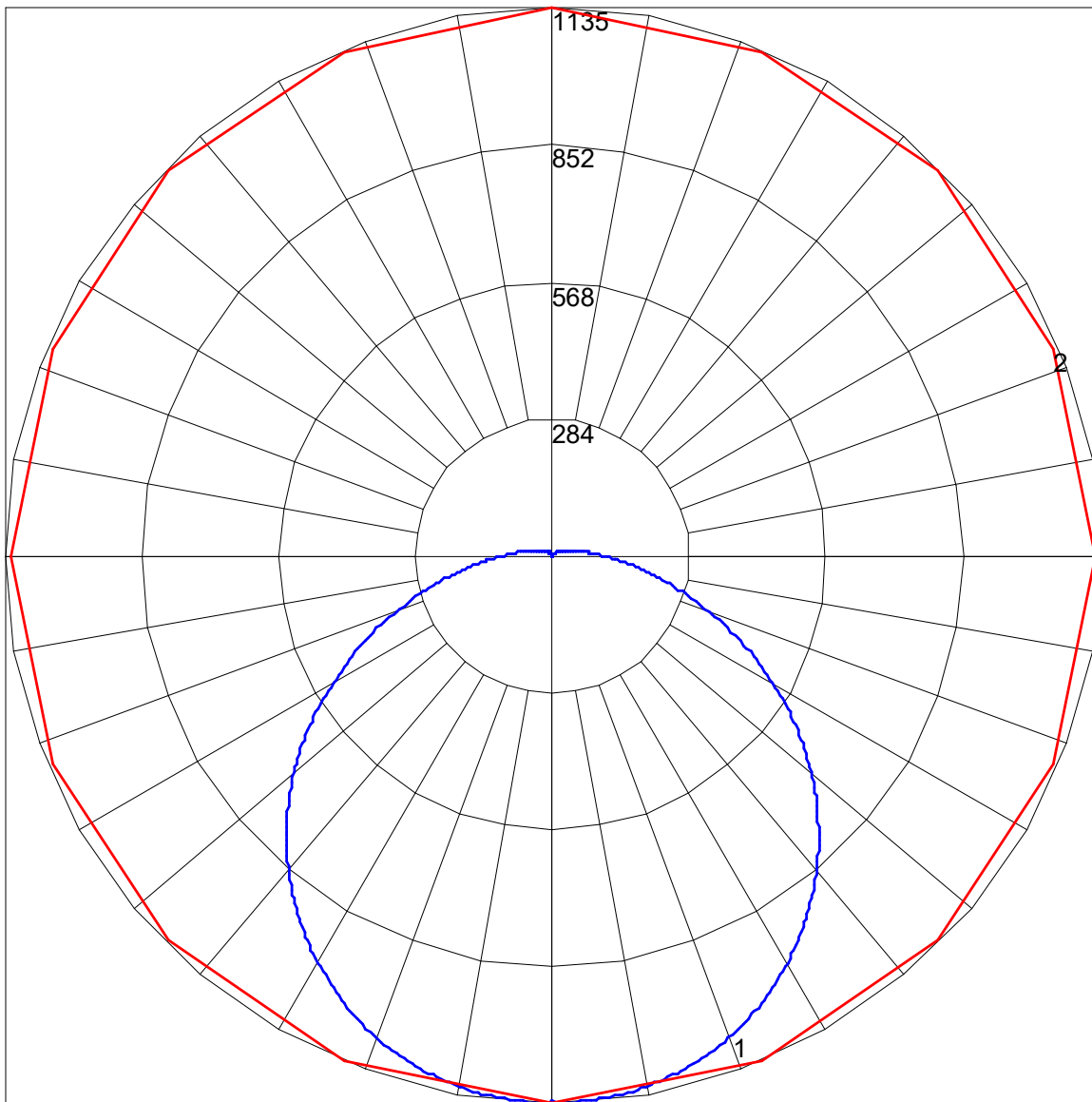
4H	2H	19.6	20.9	20.0	21.3	21.8	21.2	22.5	21.6	22.9	23.4
	3H	21.0	22.1	21.4	22.6	23.1	23.3	24.5	23.8	24.9	25.4
	4H	21.5	22.5	21.9	23.0	23.5	24.3	25.4	24.8	25.8	26.3
	6H	21.8	22.7	22.3	23.2	23.7	25.3	26.2	25.8	26.7	27.2
	8H	21.8	22.7	22.3	23.2	23.7	25.7	26.6	26.2	27.1	27.6
	12H	21.9	22.6	22.4	23.2	23.7	26.2	27.0	26.7	27.5	28.1

8H	4H	22.0	22.9	22.5	23.4	23.9	24.5	25.4	25.0	25.9	26.4
	6H	22.5	23.2	23.0	23.7	24.3	25.6	26.3	26.1	26.9	27.4
	8H	22.6	23.3	23.1	23.8	24.4	26.2	26.8	26.7	27.4	27.9
	12H	22.7	23.3	23.2	23.8	24.4	26.8	27.4	27.3	27.9	28.5

12H	4H	22.1	22.9	22.6	23.4	24.0	24.5	25.3	25.0	25.8	26.4
	6H	22.7	23.3	23.2	23.8	24.4	25.6	26.3	26.2	26.8	27.4
	8H	22.9	23.5	23.4	24.0	24.6	26.3	26.8	26.8	27.4	28.0

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 1135.489 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.)