



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 935 @450MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 2 SEL25 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 48 LED board, 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	3282
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	23.3
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)	1.99 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	23692	21649	21369
55	20290	18962	18930
65	16084	15840	16056
75	11546	12700	12837
85	6379	10300	10116

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 935 @450MA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	401.30	N.A.	12.20
0-30	853.78	N.A.	26.00
0-40	1397.32	N.A.	42.60
0-60	2442.22	N.A.	74.40
0-80	3044.89	N.A.	92.80
0-90	3166.45	N.A.	96.50
10-90	3062.85	N.A.	93.30
20-40	996.02	N.A.	30.30
20-50	1551.47	N.A.	47.30
40-70	1413.98	N.A.	43.10
60-80	602.66	N.A.	18.40
70-80	233.59	N.A.	7.10
80-90	121.56	N.A.	3.70
90-110	84.07	N.A.	2.60
90-120	98.59	N.A.	3.00
90-130	106.57	N.A.	3.20
90-150	113.72	N.A.	3.50
90-180	115.72	N.A.	3.50
110-180	31.65	N.A.	1.00
0-180	3282.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.60
10-20	297.70
20-30	452.49
30-40	543.54
40-50	555.45
50-60	489.46
60-70	369.07
70-80	233.59
80-90	121.56
90-100	56.48
100-110	27.59
110-120	14.52
120-130	7.98
130-140	4.55
140-150	2.59
150-160	1.43
160-170	0.52
170-180	0.06

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 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	96
1	107	102	98	93	104	99	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	42	35	62	49	41	35	47	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	43	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 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	20.7	22.2	21.1	22.6	23.1	22.8	24.4	23.2	24.8	25.2
	3H	21.9	23.3	22.3	23.7	24.2	24.8	26.2	25.3	26.6	27.1
	4H	22.2	23.6	22.7	24.0	24.5	25.7	27.0	26.1	27.4	27.9
	6H	22.4	23.7	22.9	24.1	24.6	26.5	27.7	27.0	28.2	28.7
	8H	22.5	23.7	23.0	24.1	24.6	26.9	28.1	27.4	28.5	29.0
	12H	22.5	23.6	23.0	24.1	24.6	27.3	28.4	27.8	28.9	29.4

UGR Viewed Endwise

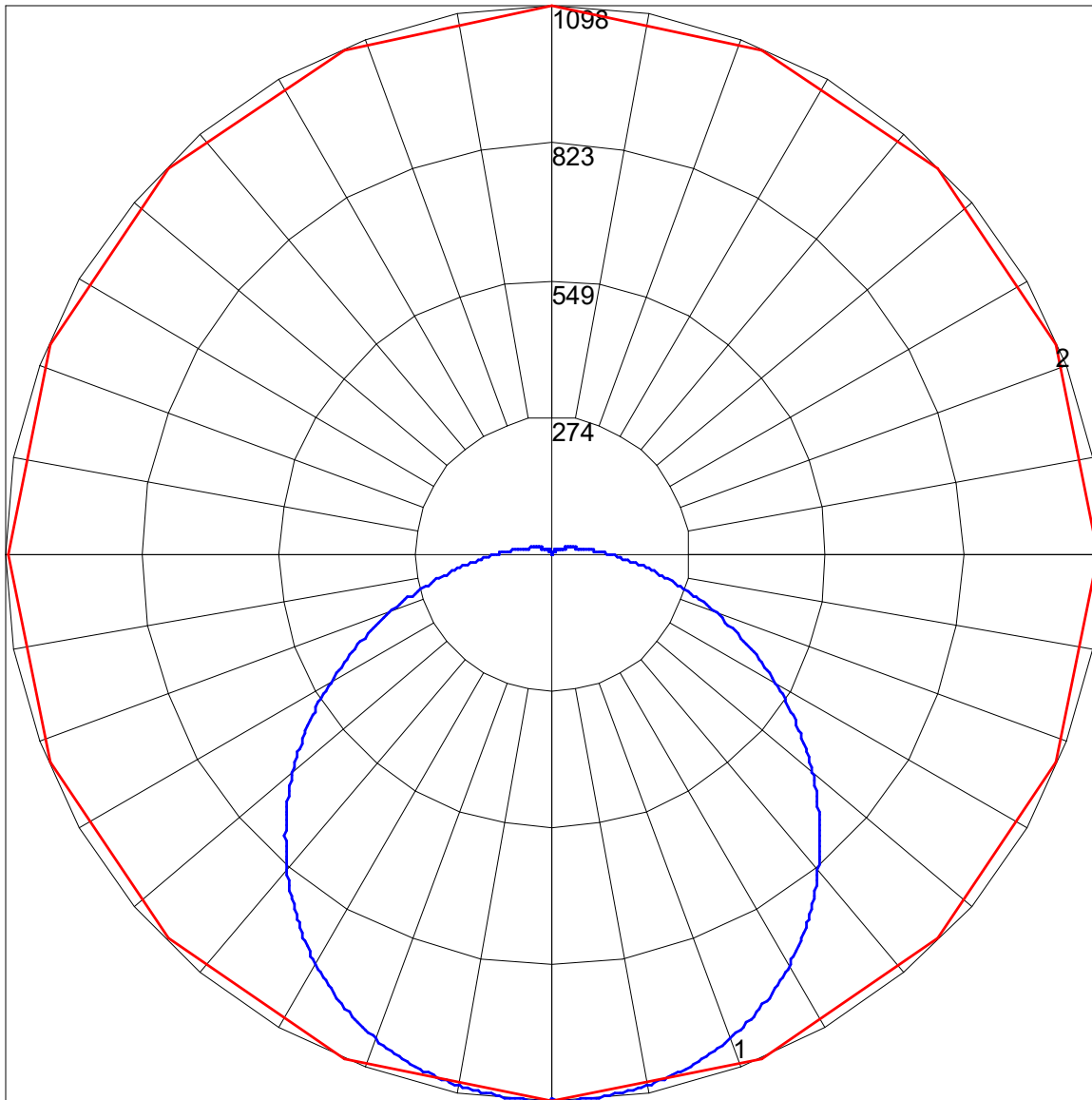
4H	2H	21.5	22.9	22.0	23.3	23.8	23.2	24.6	23.7	25.0	25.5
	3H	23.0	24.1	23.5	24.6	25.1	25.4	26.6	25.9	27.0	27.5
	4H	23.5	24.5	24.0	25.0	25.5	26.5	27.5	27.0	28.0	28.5
	6H	23.8	24.7	24.3	25.2	25.7	27.4	28.3	28.0	28.8	29.4
	8H	23.8	24.7	24.4	25.2	25.7	27.9	28.7	28.4	29.3	29.8
	12H	23.9	24.6	24.4	25.2	25.7	28.4	29.2	28.9	29.7	30.3

8H	4H	24.0	24.9	24.5	25.4	25.9	26.6	27.5	27.2	28.0	28.6
	6H	24.5	25.2	25.0	25.8	26.3	27.8	28.5	28.3	29.0	29.6
	8H	24.6	25.3	25.2	25.8	26.4	28.4	29.0	28.9	29.6	30.1
	12H	24.7	25.3	25.3	25.8	26.5	29.0	29.6	29.6	30.1	30.8

12H	4H	24.1	24.9	24.7	25.4	26.0	26.6	27.4	27.2	27.9	28.5
	6H	24.7	25.3	25.3	25.9	26.5	27.8	28.4	28.4	29.0	29.6
	8H	24.9	25.5	25.5	26.0	26.7	28.5	29.0	29.0	29.6	30.2

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 1097.958 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.)