

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL25 UV FR 935 @350MA.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 SEL25 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 3500K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 350mA

[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	2295
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	15.2
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	5885	5242	5089
55	5121	4630	4508
65	4118	3886	3782
75	3013	3107	2963
85	1797	2518	2247

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	281.39	N.A.	12.30
0-30	598.33	N.A.	26.10
0-40	979.62	N.A.	42.70
0-60	1716.93	N.A.	74.80
0-80	2139.12	N.A.	93.20
0-90	2221.41	N.A.	96.80
10-90	2148.72	N.A.	93.60
20-40	698.23	N.A.	30.40
20-50	1089.54	N.A.	47.50
40-70	997.36	N.A.	43.50
60-80	422.18	N.A.	18.40
70-80	162.14	N.A.	7.10
80-90	82.29	N.A.	3.60
90-110	55.28	N.A.	2.40
90-120	64.53	N.A.	2.80
90-130	69.42	N.A.	3.00
90-150	73.09	N.A.	3.20
90-180	73.73	N.A.	3.20
110-180	18.45	N.A.	0.80
0-180	2295.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.69
10-20	208.70
20-30	316.95
30-40	381.29
40-50	391.31
50-60	346.00
60-70	260.05
70-80	162.14
80-90	82.29
90-100	37.31
100-110	17.97
110-120	9.25
120-130	4.89
130-140	2.50
140-150	1.17
150-160	0.50
160-170	0.14
170-180	0.00

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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

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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	16.0	17.5	16.4	17.9	18.3	18.0	19.6	18.4	20.0	20.4
	3H	17.2	18.6	17.6	19.0	19.4	20.0	21.4	20.4	21.8	22.2
	4H	17.5	18.9	18.0	19.3	19.7	20.8	22.2	21.3	22.6	23.0
	6H	17.7	19.0	18.2	19.4	19.9	21.6	22.9	22.1	23.3	23.8
	8H	17.7	19.0	18.2	19.4	19.9	22.0	23.2	22.5	23.7	24.1
	12H	17.8	18.9	18.2	19.4	19.9	22.4	23.6	22.9	24.0	24.5

UGR Viewed Endwise

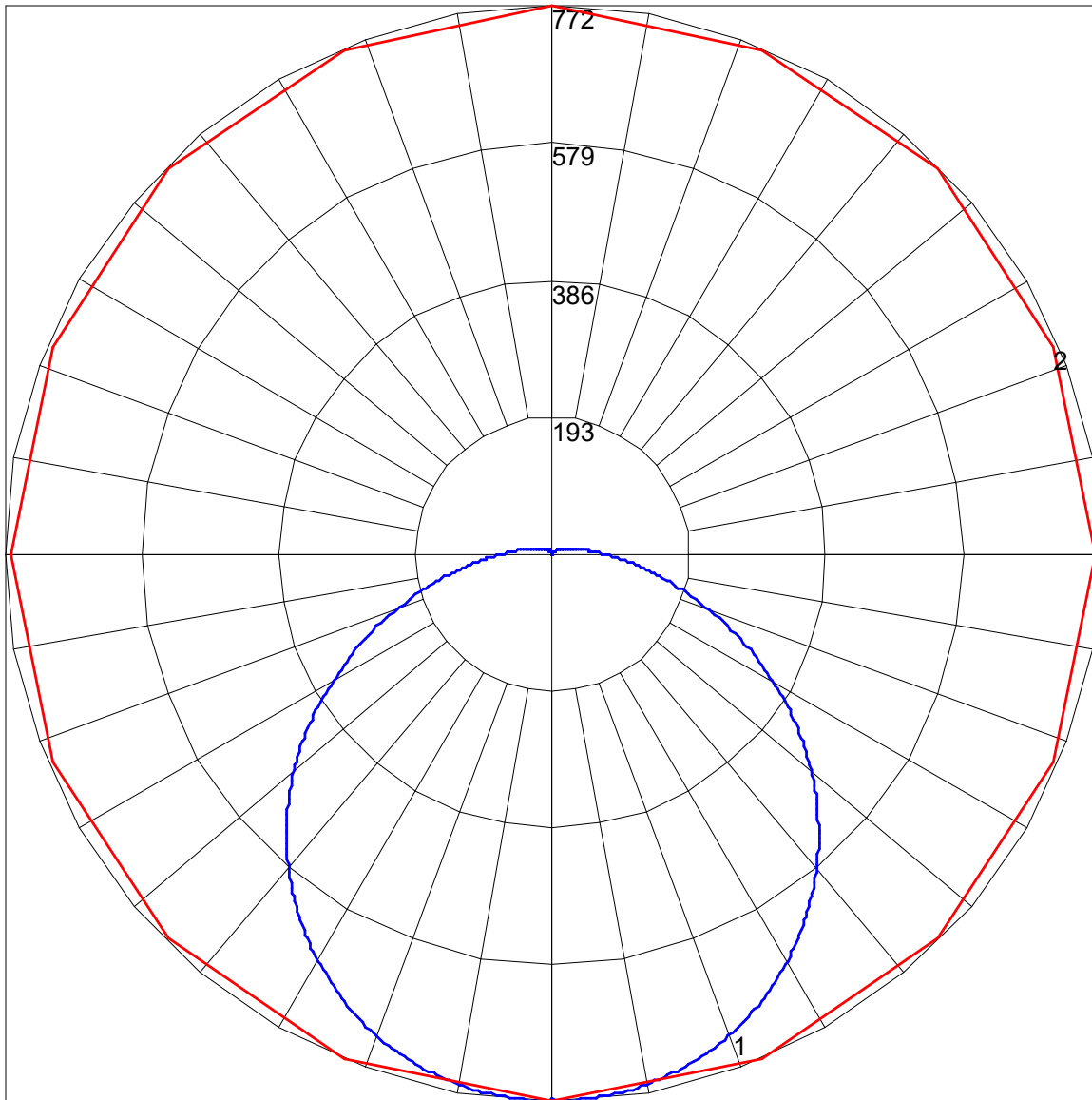
4H	2H	16.8	18.2	17.3	18.6	19.0	18.4	19.8	18.9	20.2	20.6
	3H	18.2	19.4	18.7	19.8	20.3	20.6	21.8	21.1	22.2	22.7
	4H	18.7	19.8	19.2	20.2	20.7	21.6	22.6	22.1	23.1	23.6
	6H	19.0	19.9	19.5	20.4	21.0	22.6	23.5	23.1	24.0	24.5
	8H	19.1	19.9	19.6	20.4	21.0	23.0	23.9	23.5	24.4	24.9
	12H	19.1	19.9	19.6	20.4	21.0	23.5	24.3	24.0	24.8	25.4

8H	4H	19.3	20.1	19.8	20.6	21.2	21.8	22.7	22.3	23.1	23.7
	6H	19.7	20.4	20.3	21.0	21.5	22.9	23.6	23.4	24.2	24.7
	8H	19.9	20.5	20.4	21.1	21.6	23.5	24.1	24.0	24.7	25.2
	12H	20.0	20.5	20.5	21.1	21.7	24.1	24.7	24.7	25.2	25.9

12H	4H	19.4	20.2	19.9	20.7	21.2	21.8	22.6	22.3	23.1	23.6
	6H	19.9	20.6	20.5	21.1	21.7	22.9	23.6	23.5	24.1	24.7
	8H	20.1	20.7	20.7	21.3	21.9	23.6	24.1	24.1	24.7	25.3

Maximum UGR = 25.9

POLAR GRAPH



Maximum Candela = 771.91 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.)