

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL25 UV FR 935 @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 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 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	2625
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	17.4
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	6732	5996	5822
55	5858	5296	5156
65	4710	4445	4326
75	3446	3554	3390
85	2055	2881	2570

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Zone	Lumens	%Lamp	%Fixt
0-20	321.87	N.A.	12.30
0-30	684.42	N.A.	26.10
0-40	1120.57	N.A.	42.70
0-60	1963.97	N.A.	74.80
0-80	2446.9	N.A.	93.20
0-90	2541.03	N.A.	96.80
10-90	2457.89	N.A.	93.60
20-40	798.70	N.A.	30.40
20-50	1246.31	N.A.	47.50
40-70	1140.87	N.A.	43.50
60-80	482.93	N.A.	18.40
70-80	185.47	N.A.	7.10
80-90	94.13	N.A.	3.60
90-110	63.23	N.A.	2.40
90-120	73.81	N.A.	2.80
90-130	79.41	N.A.	3.00
90-150	83.61	N.A.	3.20
90-180	84.34	N.A.	3.20
110-180	21.11	N.A.	0.80
0-180	2625.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.14
10-20	238.73
20-30	362.55
30-40	436.15
40-50	447.62
50-60	395.79
60-70	297.46
70-80	185.47
80-90	94.13
90-100	42.68
100-110	20.56
110-120	10.58
120-130	5.60
130-140	2.86
140-150	1.33
150-160	0.57
160-170	0.16
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	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

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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	16.5	18.0	16.9	18.4	18.8	18.5	20.1	18.9	20.5	20.9
	3H	17.7	19.1	18.1	19.5	19.9	20.5	21.9	20.9	22.3	22.7
	4H	18.0	19.4	18.5	19.8	20.2	21.3	22.7	21.8	23.1	23.5
	6H	18.2	19.5	18.7	19.9	20.4	22.1	23.4	22.6	23.8	24.3
	8H	18.2	19.5	18.7	19.9	20.4	22.5	23.7	23.0	24.2	24.6
	12H	18.3	19.4	18.7	19.9	20.4	22.9	24.1	23.4	24.5	25.0

UGR Viewed Endwise

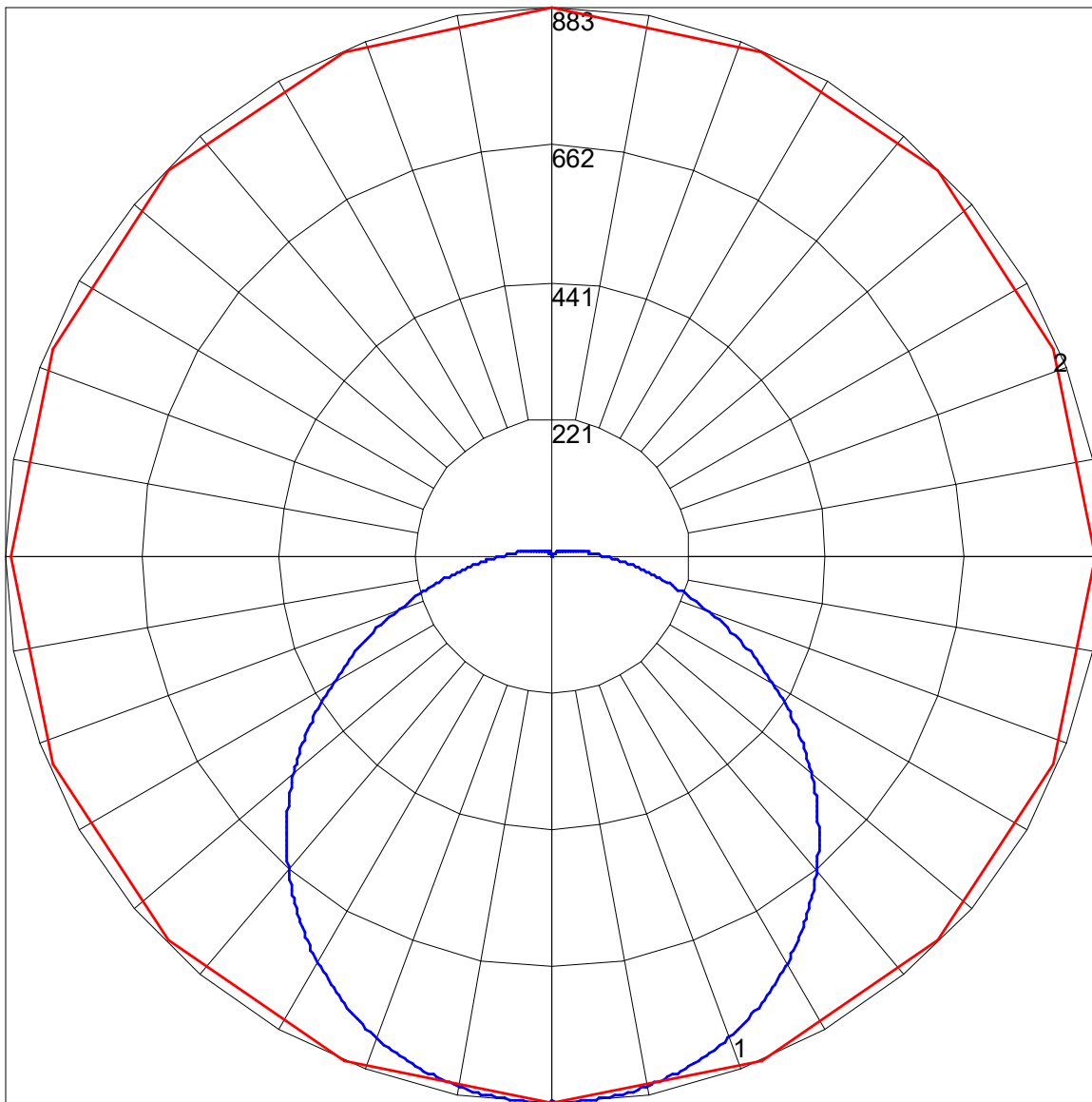
4H	2H	17.3	18.7	17.8	19.1	19.5	18.9	20.3	19.4	20.7	21.1
	3H	18.7	19.9	19.2	20.3	20.8	21.1	22.3	21.6	22.7	23.2
	4H	19.2	20.3	19.7	20.7	21.2	22.1	23.1	22.6	23.6	24.1
	6H	19.5	20.4	20.0	20.9	21.5	23.1	24.0	23.6	24.5	25.0
	8H	19.6	20.4	20.1	20.9	21.5	23.5	24.4	24.0	24.9	25.4
	12H	19.6	20.4	20.1	20.9	21.5	24.0	24.8	24.5	25.3	25.9

8H	4H	19.8	20.6	20.3	21.1	21.7	22.3	23.2	22.8	23.6	24.2
	6H	20.2	20.9	20.8	21.5	22.0	23.4	24.1	23.9	24.7	25.2
	8H	20.3	21.0	20.9	21.6	22.1	24.0	24.6	24.5	25.2	25.7
	12H	20.5	21.0	21.0	21.6	22.2	24.6	25.2	25.2	25.7	26.4

12H	4H	19.9	20.7	20.4	21.2	21.7	22.3	23.1	22.8	23.6	24.1
	6H	20.4	21.1	21.0	21.6	22.2	23.4	24.1	24.0	24.6	25.2
	8H	20.6	21.2	21.2	21.8	22.4	24.1	24.6	24.6	25.2	25.8

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 882.976 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.)