



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL35 UV FR 930 @550MA.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 SEL35 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 3000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 550mA

[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	3591
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	23.4
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	9207	8201	7963
55	8012	7244	7052
65	6443	6080	5917
75	4714	4861	4636
85	2811	3940	3515

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	440.26	N.A.	12.30
0-30	936.15	N.A.	26.10
0-40	1532.7	N.A.	42.70
0-60	2686.3	N.A.	74.80
0-80	3346.85	N.A.	93.20
0-90	3475.6	N.A.	96.80
10-90	3361.88	N.A.	93.60
20-40	1092.45	N.A.	30.40
20-50	1704.69	N.A.	47.50
40-70	1560.47	N.A.	43.50
60-80	660.54	N.A.	18.40
70-80	253.68	N.A.	7.10
80-90	128.75	N.A.	3.60
90-110	86.49	N.A.	2.40
90-120	100.96	N.A.	2.80
90-130	108.62	N.A.	3.00
90-150	114.36	N.A.	3.20
90-180	115.36	N.A.	3.20
110-180	28.87	N.A.	0.80
0-180	3590.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.72
10-20	326.53
20-30	495.89
30-40	596.56
40-50	612.25
50-60	541.36
60-70	406.87
70-80	253.68
80-90	128.75
90-100	58.38
100-110	28.12
110-120	14.47
120-130	7.65
130-140	3.92
140-150	1.82
150-160	0.78
160-170	0.22
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

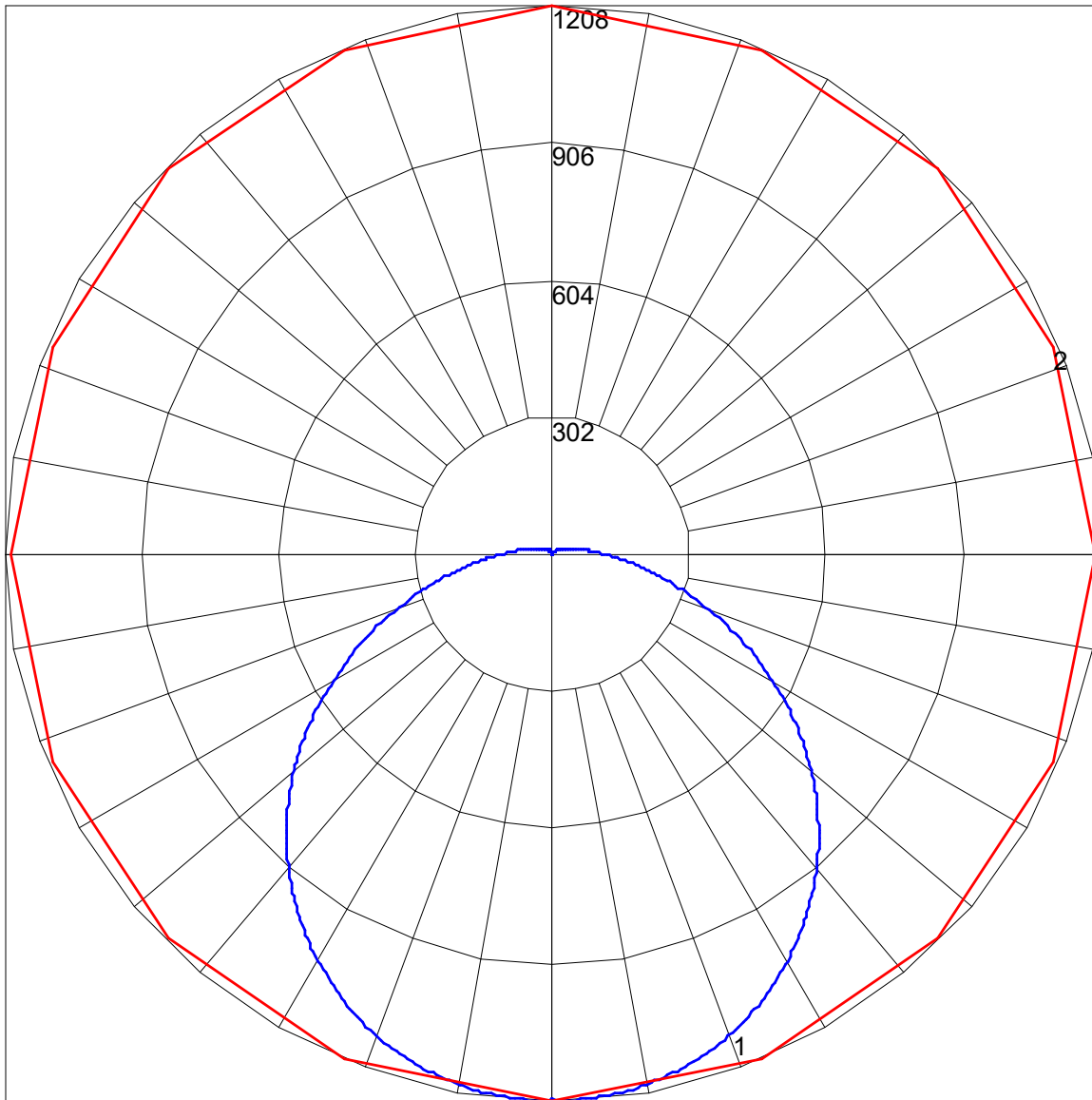
X=2H	Y=2H	17.5	19.0	17.9	19.4	19.8	19.5	21.1	19.9	21.5	21.9
	3H	18.7	20.1	19.1	20.5	20.9	21.5	22.9	21.9	23.3	23.7
	4H	19.0	20.4	19.5	20.8	21.2	22.3	23.7	22.8	24.1	24.5
	6H	19.2	20.5	19.7	20.9	21.4	23.1	24.4	23.6	24.8	25.3
	8H	19.2	20.5	19.7	20.9	21.4	23.5	24.7	24.0	25.2	25.6
	12H	19.3	20.4	19.7	20.9	21.4	23.9	25.1	24.4	25.5	26.0

UGR Viewed Endwise

4H	2H	18.3	19.7	18.8	20.1	20.5	19.9	21.3	20.4	21.7	22.1
	3H	19.7	20.9	20.2	21.3	21.8	22.1	23.3	22.6	23.7	24.2
	4H	20.2	21.3	20.7	21.7	22.2	23.1	24.1	23.6	24.6	25.1
	6H	20.5	21.4	21.0	21.9	22.5	24.1	25.0	24.6	25.5	26.0
	8H	20.6	21.4	21.1	21.9	22.5	24.5	25.4	25.0	25.9	26.4
	12H	20.6	21.4	21.1	21.9	22.5	25.0	25.8	25.5	26.3	26.9
8H	4H	20.8	21.6	21.3	22.1	22.7	23.3	24.2	23.8	24.6	25.2
	6H	21.2	21.9	21.8	22.5	23.0	24.4	25.1	24.9	25.7	26.2
	8H	21.3	22.0	21.9	22.6	23.1	25.0	25.6	25.5	26.2	26.7
	12H	21.5	22.0	22.0	22.6	23.2	25.6	26.2	26.2	26.7	27.4
12H	4H	20.9	21.7	21.4	22.2	22.7	23.3	24.1	23.8	24.6	25.1
	6H	21.4	22.1	22.0	22.6	23.2	24.4	25.1	25.0	25.6	26.2
	8H	21.6	22.2	22.2	22.8	23.4	25.1	25.6	25.6	26.2	26.8

Maximum UGR = 27.4

POLAR GRAPH



Maximum Candela = 1207.727 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.)