



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL35 UV FR 930 @650MA.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 SEL35 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 650mA

[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	4833
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	31.9
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	18735	16726	16293
55	16266	14757	14430
65	13029	12370	12108
75	9454	9866	9487
85	5442	7960	7192

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 4 SEL35 UV FR 930 @650MA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	592.51	N.A.	12.30
0-30	1259.9	N.A.	26.10
0-40	2062.78	N.A.	42.70
0-60	3615.34	N.A.	74.80
0-80	4504.33	N.A.	93.20
0-90	4677.61	N.A.	96.80
10-90	4524.55	N.A.	93.60
20-40	1470.26	N.A.	30.40
20-50	2294.25	N.A.	47.50
40-70	2100.14	N.A.	43.50
60-80	888.99	N.A.	18.40
70-80	341.41	N.A.	7.10
80-90	173.28	N.A.	3.60
90-110	116.40	N.A.	2.40
90-120	135.88	N.A.	2.80
90-130	146.18	N.A.	3.00
90-150	153.91	N.A.	3.20
90-180	155.26	N.A.	3.20
110-180	38.86	N.A.	0.80
0-180	4832.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.05
10-20	439.46
20-30	667.39
30-40	802.87
40-50	823.99
50-60	728.58
60-70	547.58
70-80	341.41
80-90	173.28
90-100	78.56
100-110	37.84
110-120	19.48
120-130	10.30
130-140	5.27
140-150	2.46
150-160	1.05
160-170	0.30
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL35 UV FR 930 @650MA.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

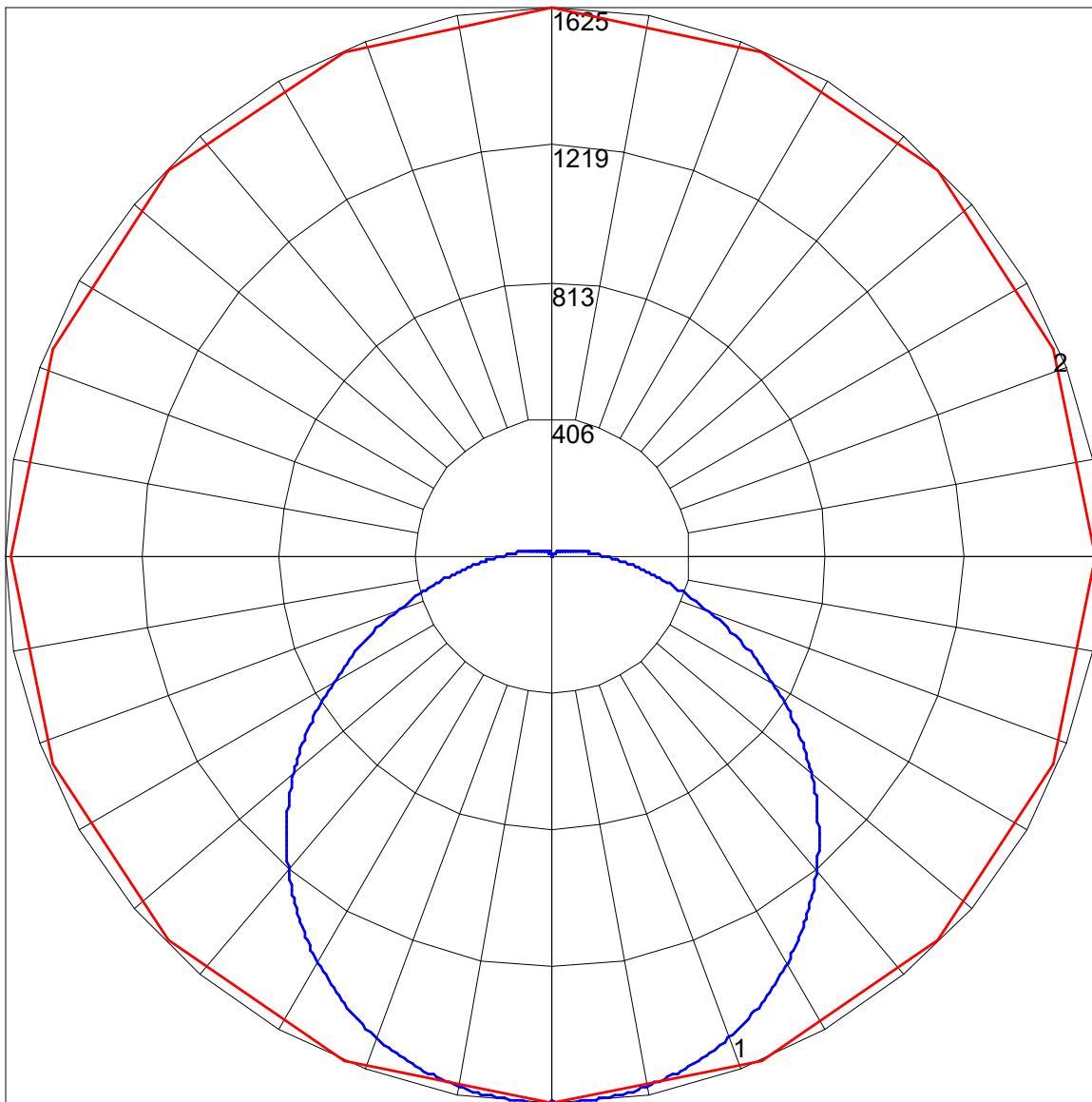
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL N G2 4 SEL35 UV FR 930 @650MA.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	20.0	21.6	20.4	22.0	22.4	22.0	23.6	22.4	24.0	24.4
	3H	21.2	22.7	21.7	23.0	23.5	24.0	25.4	24.4	25.8	26.3
	4H	21.6	22.9	22.0	23.3	23.8	24.9	26.2	25.3	26.6	27.1
	6H	21.8	23.0	22.2	23.5	23.9	25.6	26.9	26.1	27.3	27.8
	8H	21.8	23.0	22.3	23.5	23.9	26.0	27.2	26.5	27.7	28.1
	12H	21.8	23.0	22.3	23.4	23.9	26.4	27.6	26.9	28.0	28.5
4H	2H	20.9	22.2	21.3	22.6	23.1	22.5	23.8	22.9	24.2	24.7
	3H	22.3	23.4	22.7	23.9	24.4	24.6	25.8	25.1	26.2	26.7
	4H	22.8	23.8	23.2	24.3	24.8	25.6	26.7	26.1	27.1	27.6
	6H	23.1	24.0	23.6	24.5	25.0	26.6	27.5	27.1	28.0	28.5
	8H	23.1	24.0	23.6	24.5	25.0	27.0	27.9	27.5	28.4	28.9
	12H	23.2	23.9	23.7	24.5	25.0	27.5	28.3	28.0	28.8	29.4
8H	4H	23.3	24.2	23.8	24.7	25.2	25.8	26.7	26.3	27.2	27.7
	6H	23.8	24.5	24.3	25.0	25.6	26.9	27.6	27.4	28.2	28.7
	8H	23.9	24.6	24.4	25.1	25.7	27.5	28.1	28.0	28.7	29.2
	12H	24.0	24.6	24.5	25.1	25.7	28.1	28.7	28.6	29.2	29.8
12H	4H	23.4	24.2	23.9	24.7	25.3	25.8	26.6	26.3	27.1	27.7
	6H	24.0	24.6	24.5	25.1	25.7	26.9	27.6	27.5	28.1	28.7
	8H	24.2	24.8	24.7	25.3	25.9	27.6	28.1	28.1	28.7	29.3

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 1625.409 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.)