



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL35 UV FR 930 @600MA.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 SEL35 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 64 LED board, 3000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 600mA

[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	4358
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	30.1
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	31459	28746	28374
55	26942	25179	25137
65	21357	21033	21320
75	15331	16864	17045
85	8470	13677	13432

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	532.86	N.A.	12.20
0-30	1133.69	N.A.	26.00
0-40	1855.42	N.A.	42.60
0-60	3242.89	N.A.	74.40
0-80	4043.14	N.A.	92.80
0-90	4204.56	N.A.	96.50
10-90	4066.99	N.A.	93.30
20-40	1322.56	N.A.	30.30
20-50	2060.11	N.A.	47.30
40-70	1877.54	N.A.	43.10
60-80	800.25	N.A.	18.40
70-80	310.17	N.A.	7.10
80-90	161.42	N.A.	3.70
90-110	111.63	N.A.	2.60
90-120	130.92	N.A.	3.00
90-130	141.51	N.A.	3.20
90-150	151.00	N.A.	3.50
90-180	153.66	N.A.	3.50
110-180	42.03	N.A.	1.00
0-180	4358.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	137.56
10-20	395.30
20-30	600.83
30-40	721.73
40-50	737.55
50-60	649.92
60-70	490.07
70-80	310.17
80-90	161.42
90-100	75.00
100-110	36.63
110-120	19.28
120-130	10.59
130-140	6.05
140-150	3.44
150-160	1.90
160-170	0.69
170-180	0.07

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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	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

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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

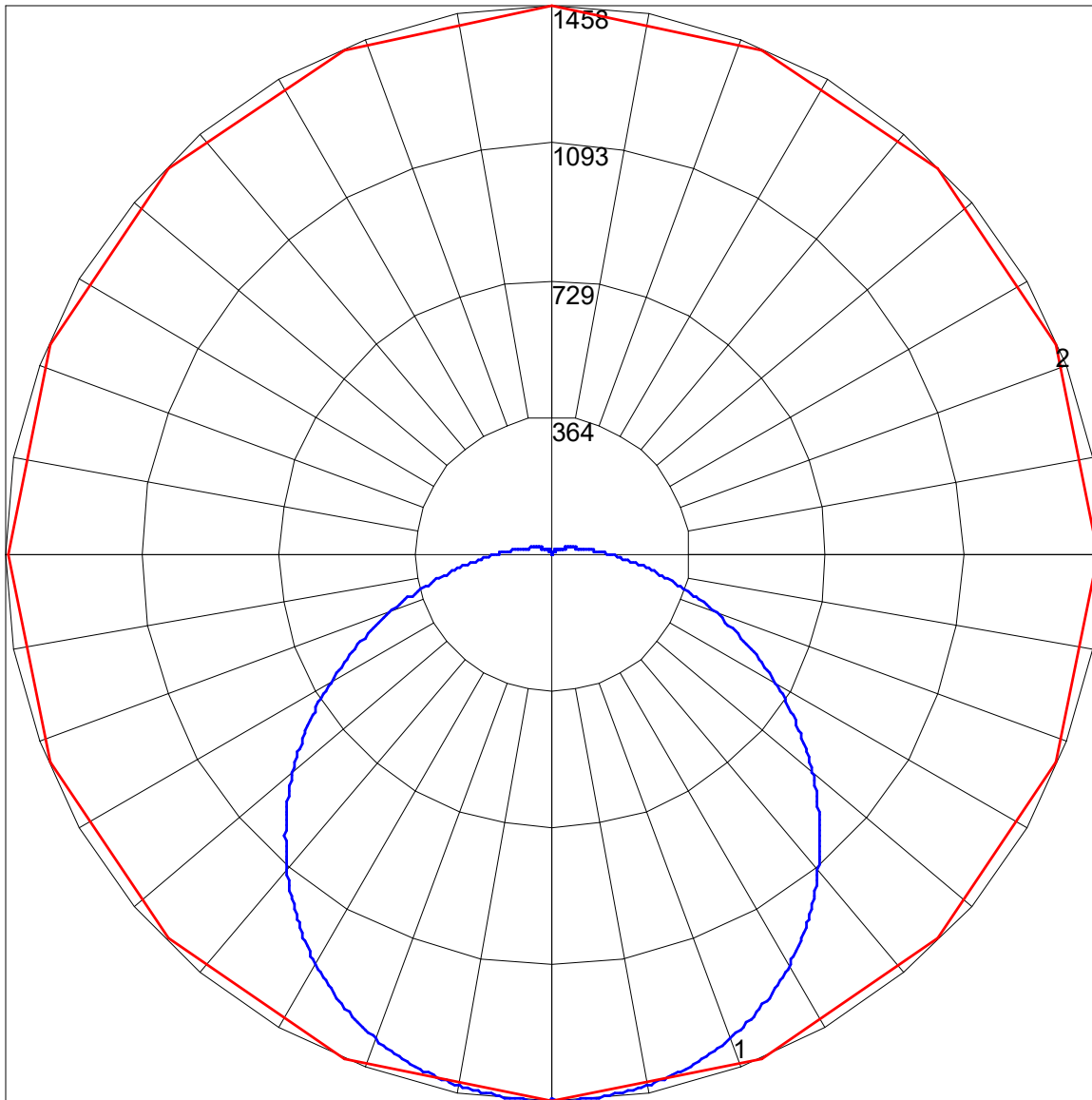
X=2H	Y=2H	21.7	23.2	22.1	23.6	24.1	23.8	25.4	24.2	25.8	26.2
	3H	22.9	24.3	23.3	24.7	25.2	25.8	27.2	26.3	27.6	28.1
	4H	23.2	24.6	23.7	25.0	25.5	26.7	28.0	27.1	28.4	28.9
	6H	23.4	24.7	23.9	25.1	25.6	27.5	28.7	28.0	29.2	29.7
	8H	23.5	24.7	24.0	25.1	25.6	27.9	29.0	28.4	29.5	30.0
	12H	23.5	24.6	24.0	25.1	25.6	28.3	29.4	28.8	29.9	30.4

### UGR Viewed Endwise

4H	2H	22.5	23.9	23.0	24.3	24.8	24.2	25.6	24.7	26.0	26.5
	3H	24.0	25.1	24.5	25.6	26.1	26.4	27.6	26.9	28.0	28.5
	4H	24.5	25.5	25.0	26.0	26.5	27.5	28.5	27.9	29.0	29.5
	6H	24.8	25.7	25.3	26.2	26.7	28.4	29.3	29.0	29.8	30.4
	8H	24.8	25.7	25.4	26.2	26.7	28.9	29.7	29.4	30.3	30.8
	12H	24.9	25.6	25.4	26.2	26.7	29.4	30.2	29.9	30.7	31.3
8H	4H	25.0	25.9	25.5	26.4	26.9	27.6	28.5	28.2	29.0	29.6
	6H	25.5	26.2	26.0	26.7	27.3	28.8	29.5	29.3	30.0	30.6
	8H	25.6	26.3	26.2	26.8	27.4	29.3	30.0	29.9	30.6	31.1
	12H	25.7	26.3	26.3	26.8	27.5	30.0	30.6	30.6	31.1	31.8
12H	4H	25.1	25.9	25.7	26.4	27.0	27.6	28.4	28.2	28.9	29.5
	6H	25.7	26.3	26.3	26.9	27.5	28.8	29.4	29.4	30.0	30.6
	8H	25.9	26.5	26.5	27.0	27.7	29.5	30.0	30.0	30.6	31.2

Maximum UGR = 31.8

POLAR GRAPH



Maximum Candela = 1457.918 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.)