

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL35 UV FR 935 @550MA.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 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 64 LED board, 3500K

[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	4044
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	27.4
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)	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	29192	26674	26329
55	25000	23364	23325
65	19818	19516	19783
75	14226	15648	15816
85	7860	12691	12464

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	494.45	N.A.	12.20
0-30	1051.97	N.A.	26.00
0-40	1721.67	N.A.	42.60
0-60	3009.12	N.A.	74.40
0-80	3751.68	N.A.	92.80
0-90	3901.46	N.A.	96.50
10-90	3773.82	N.A.	93.30
20-40	1227.22	N.A.	30.30
20-50	1911.6	N.A.	47.30
40-70	1742.2	N.A.	43.10
60-80	742.56	N.A.	18.40
70-80	287.81	N.A.	7.10
80-90	149.78	N.A.	3.70
90-110	103.59	N.A.	2.60
90-120	121.48	N.A.	3.00
90-130	131.31	N.A.	3.20
90-150	140.11	N.A.	3.50
90-180	142.58	N.A.	3.50
110-180	39.00	N.A.	1.00
0-180	4044.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	127.64
10-20	366.81
20-30	557.52
30-40	669.70
40-50	684.38
50-60	603.07
60-70	454.74
70-80	287.81
80-90	149.78
90-100	69.59
100-110	33.99
110-120	17.89
120-130	9.83
130-140	5.61
140-150	3.20
150-160	1.77
160-170	0.64
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	64	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

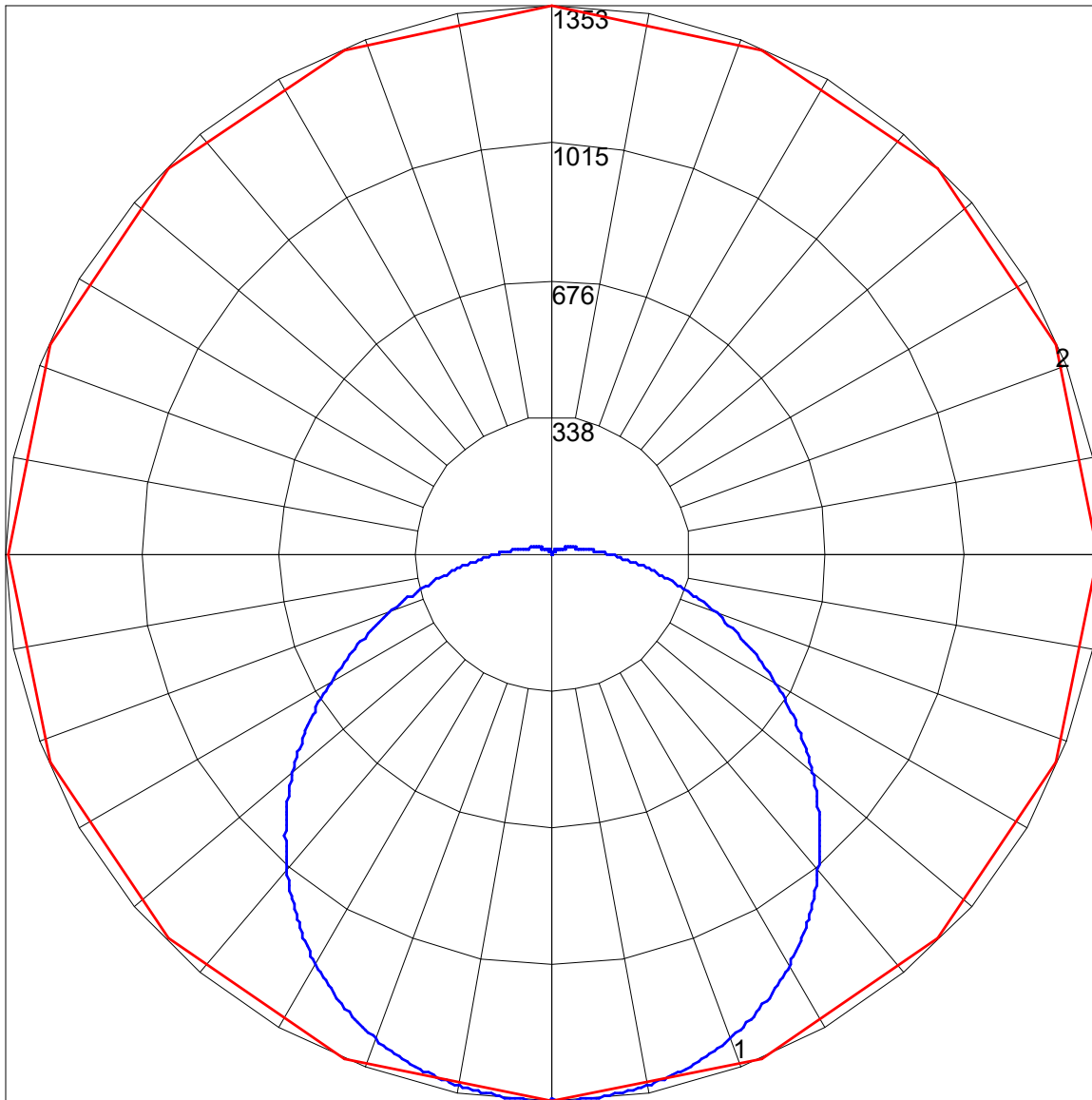
X=2H	Y=2H	21.5	23.0	21.9	23.4	23.9	23.6	25.2	24.0	25.6	26.0
	3H	22.7	24.1	23.1	24.5	25.0	25.6	27.0	26.1	27.4	27.9
	4H	23.0	24.4	23.5	24.8	25.3	26.5	27.8	26.9	28.2	28.7
	6H	23.2	24.5	23.7	24.9	25.4	27.3	28.5	27.8	29.0	29.5
	8H	23.3	24.5	23.8	24.9	25.4	27.7	28.9	28.2	29.3	29.8
	12H	23.3	24.4	23.8	24.9	25.4	28.1	29.2	28.6	29.7	30.2

### UGR Viewed Endwise

4H	2H	22.3	23.7	22.8	24.1	24.6	24.0	25.4	24.5	25.8	26.3
	3H	23.8	24.9	24.3	25.4	25.9	26.2	27.4	26.7	27.8	28.3
	4H	24.3	25.3	24.8	25.8	26.3	27.3	28.3	27.8	28.8	29.3
	6H	24.6	25.5	25.1	26.0	26.5	28.2	29.1	28.8	29.6	30.2
	8H	24.6	25.5	25.2	26.0	26.5	28.7	29.5	29.2	30.1	30.6
	12H	24.7	25.4	25.2	26.0	26.5	29.2	30.0	29.7	30.5	31.1
8H	4H	24.8	25.7	25.3	26.2	26.7	27.4	28.3	28.0	28.8	29.4
	6H	25.3	26.0	25.8	26.6	27.1	28.6	29.3	29.1	29.8	30.4
	8H	25.4	26.1	26.0	26.6	27.2	29.2	29.8	29.7	30.4	30.9
	12H	25.5	26.1	26.1	26.6	27.3	29.8	30.4	30.4	30.9	31.6
12H	4H	24.9	25.7	25.5	26.2	26.8	27.4	28.2	28.0	28.7	29.3
	6H	25.5	26.1	26.1	26.7	27.3	28.6	29.2	29.2	29.8	30.4
	8H	25.7	26.3	26.3	26.8	27.5	29.3	29.8	29.8	30.4	31.0

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 1352.821 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.)