



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL35 UV FR 930 @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 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 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	4027
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
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	29069	26562	26218
55	24895	23266	23227
65	19734	19435	19700
75	14166	15583	15750
85	7827	12638	12412

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	492.37	N.A.	12.20
0-30	1047.55	N.A.	26.00
0-40	1714.45	N.A.	42.60
0-60	2996.49	N.A.	74.40
0-80	3735.93	N.A.	92.80
0-90	3885.08	N.A.	96.50
10-90	3757.98	N.A.	93.30
20-40	1222.07	N.A.	30.30
20-50	1903.58	N.A.	47.30
40-70	1734.88	N.A.	43.10
60-80	739.44	N.A.	18.40
70-80	286.61	N.A.	7.10
80-90	149.15	N.A.	3.70
90-110	103.15	N.A.	2.60
90-120	120.97	N.A.	3.00
90-130	130.76	N.A.	3.20
90-150	139.53	N.A.	3.50
90-180	141.99	N.A.	3.50
110-180	38.83	N.A.	1.00
0-180	4027.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	127.11
10-20	365.27
20-30	555.18
30-40	666.89
40-50	681.51
50-60	600.54
60-70	452.84
70-80	286.61
80-90	149.15
90-100	69.30
100-110	33.85
110-120	17.82
120-130	9.79
130-140	5.59
140-150	3.18
150-160	1.76
160-170	0.63
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

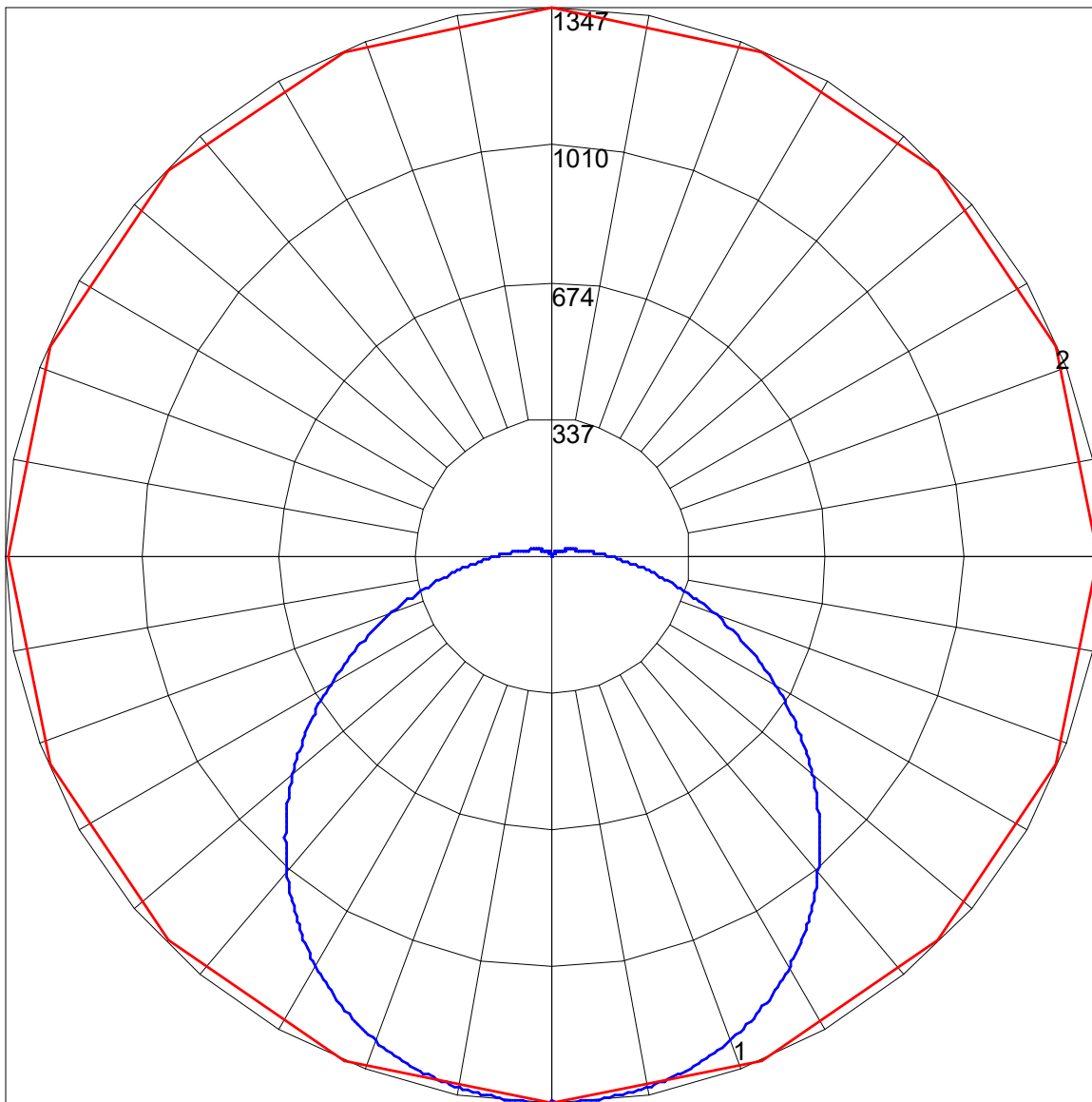
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**UGR TABLE - CORRECTED**

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					UGR Viewed Endwise				
X=2H	Y=2H	21.4	22.9	21.8	23.3	23.8	23.5	25.1	23.9	25.5	25.9
	3H	22.6	24.0	23.0	24.4	24.9	25.5	26.9	26.0	27.3	27.8
	4H	22.9	24.3	23.4	24.7	25.2	26.4	27.7	26.8	28.1	28.6
	6H	23.1	24.4	23.6	24.8	25.3	27.2	28.4	27.7	28.9	29.4
	8H	23.2	24.4	23.7	24.8	25.3	27.6	28.8	28.1	29.2	29.7
	12H	23.2	24.3	23.7	24.8	25.3	28.0	29.1	28.5	29.6	30.1
4H	2H	22.2	23.6	22.7	24.0	24.5	23.9	25.3	24.4	25.7	26.2
	3H	23.7	24.8	24.2	25.3	25.8	26.1	27.3	26.6	27.7	28.2
	4H	24.2	25.2	24.7	25.7	26.2	27.2	28.2	27.7	28.7	29.2
	6H	24.5	25.4	25.0	25.9	26.4	28.1	29.0	28.7	29.5	30.1
	8H	24.5	25.4	25.1	25.9	26.4	28.6	29.4	29.1	30.0	30.5
	12H	24.6	25.3	25.1	25.9	26.4	29.1	29.9	29.6	30.4	31.0
8H	4H	24.7	25.6	25.2	26.1	26.6	27.3	28.2	27.9	28.7	29.3
	6H	25.2	25.9	25.7	26.5	27.0	28.5	29.2	29.0	29.7	30.3
	8H	25.3	26.0	25.9	26.5	27.1	29.1	29.7	29.6	30.3	30.8
	12H	25.4	26.0	26.0	26.5	27.2	29.7	30.3	30.3	30.8	31.5
12H	4H	24.8	25.6	25.4	26.1	26.7	27.3	28.1	27.9	28.6	29.2
	6H	25.4	26.0	26.0	26.6	27.2	28.5	29.1	29.1	29.7	30.3
	8H	25.6	26.2	26.2	26.7	27.4	29.2	29.7	29.7	30.3	30.9

Maximum UGR = 31.5

POLAR GRAPH



Maximum Candela = 1347.143 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.)