



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL35 UV FR 940 @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 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 64 LED board, 4000K

[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	4140
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
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	29885	27307	26954
55	25594	23919	23879
65	20288	19980	20253
75	14564	16020	16192
85	8047	12992	12760

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	506.19	N.A.	12.20
0-30	1076.95	N.A.	26.00
0-40	1762.56	N.A.	42.60
0-60	3080.59	N.A.	74.40
0-80	3840.79	N.A.	92.80
0-90	3994.12	N.A.	96.50
10-90	3863.45	N.A.	93.30
20-40	1256.37	N.A.	30.30
20-50	1957.00	N.A.	47.30
40-70	1783.57	N.A.	43.10
60-80	760.19	N.A.	18.40
70-80	294.65	N.A.	7.10
80-90	153.34	N.A.	3.70
90-110	106.05	N.A.	2.60
90-120	124.36	N.A.	3.00
90-130	134.43	N.A.	3.20
90-150	143.44	N.A.	3.50
90-180	145.97	N.A.	3.50
110-180	39.92	N.A.	1.00
0-180	4140.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	130.68
10-20	375.52
20-30	570.76
30-40	685.61
40-50	700.63
50-60	617.40
60-70	465.55
70-80	294.65
80-90	153.34
90-100	71.25
100-110	34.80
110-120	18.32
120-130	10.06
130-140	5.74
140-150	3.27
150-160	1.81
160-170	0.65
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

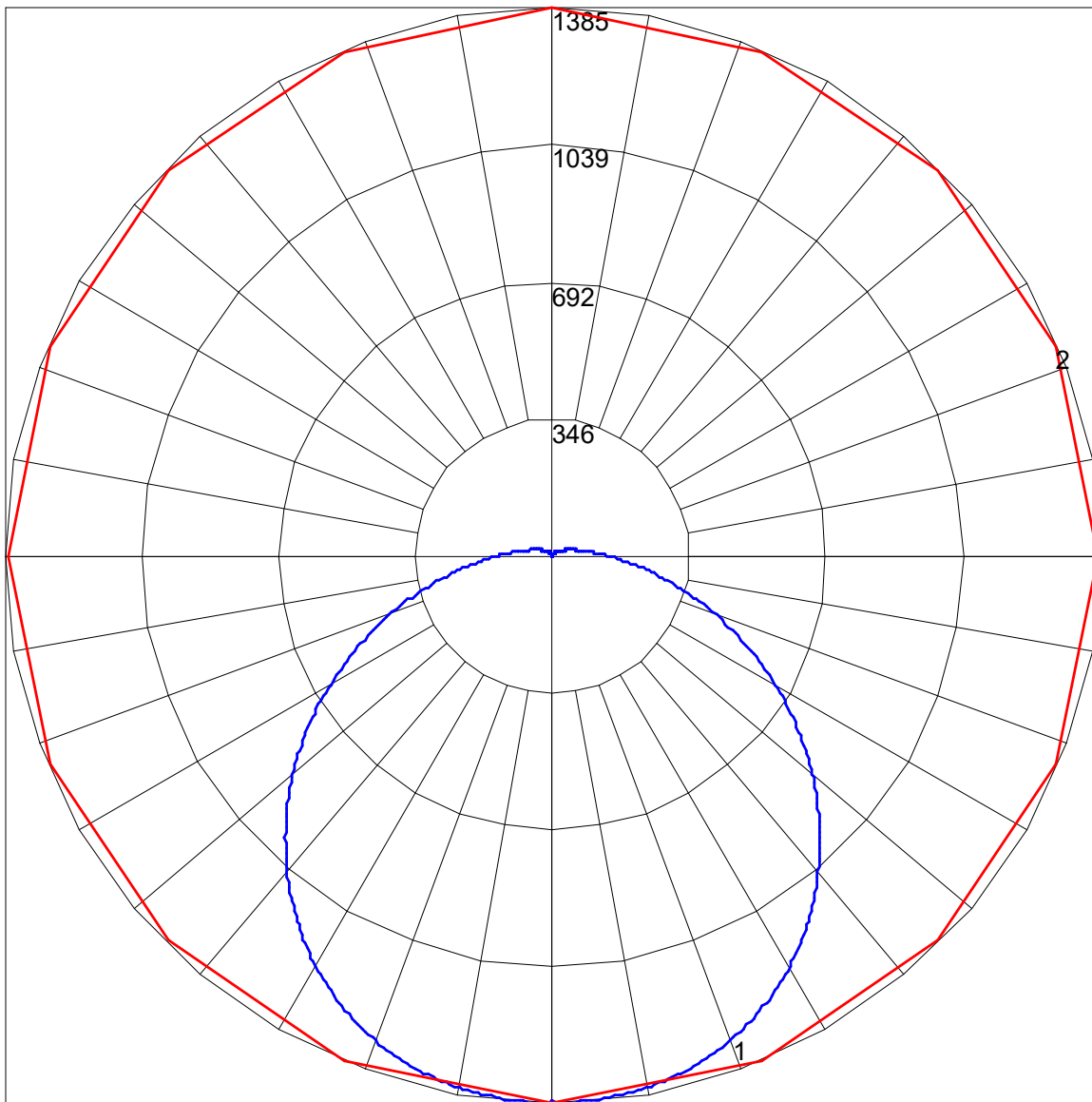
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**UGR TABLE - CORRECTED**

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					UGR Viewed Endwise				
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	26.0	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	28.8	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
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	27.7	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	29.3
	6H	25.3	26.0	25.8	26.5	27.1	28.6	29.3	29.1	29.8	30.4
	8H	25.4	26.1	26.0	26.6	27.2	29.1	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 = 1384.952 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.)