



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL35 UV FR 940 @550MA.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 8 SEL35 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 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	4206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	26.1
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)	7.67 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	8242	7333	7110
55	7180	6480	6297
65	5784	5443	5283
75	4248	4356	4140
85	2577	3539	3138

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL N G2 8 SEL35 UV FR 940 @550MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	515.69	N.A.	12.30
0-30	1096.56	N.A.	26.10
0-40	1795.34	N.A.	42.70
0-60	3146.61	N.A.	74.80
0-80	3920.34	N.A.	93.20
0-90	4071.15	N.A.	96.80
10-90	3937.94	N.A.	93.60
20-40	1279.64	N.A.	30.40
20-50	1996.8	N.A.	47.50
40-70	1827.86	N.A.	43.50
60-80	773.73	N.A.	18.40
70-80	297.15	N.A.	7.10
80-90	150.81	N.A.	3.60
90-110	101.31	N.A.	2.40
90-120	118.26	N.A.	2.80
90-130	127.23	N.A.	3.00
90-150	133.95	N.A.	3.20
90-180	135.13	N.A.	3.20
110-180	33.82	N.A.	0.80
0-180	4206.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	133.21
10-20	382.48
20-30	580.86
30-40	698.78
40-50	717.16
50-60	634.12
60-70	476.58
70-80	297.15
80-90	150.81
90-100	68.38
100-110	32.93
110-120	16.95
120-130	8.97
130-140	4.59
140-150	2.14
150-160	0.92
160-170	0.26
170-180	0.00

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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	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	95	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

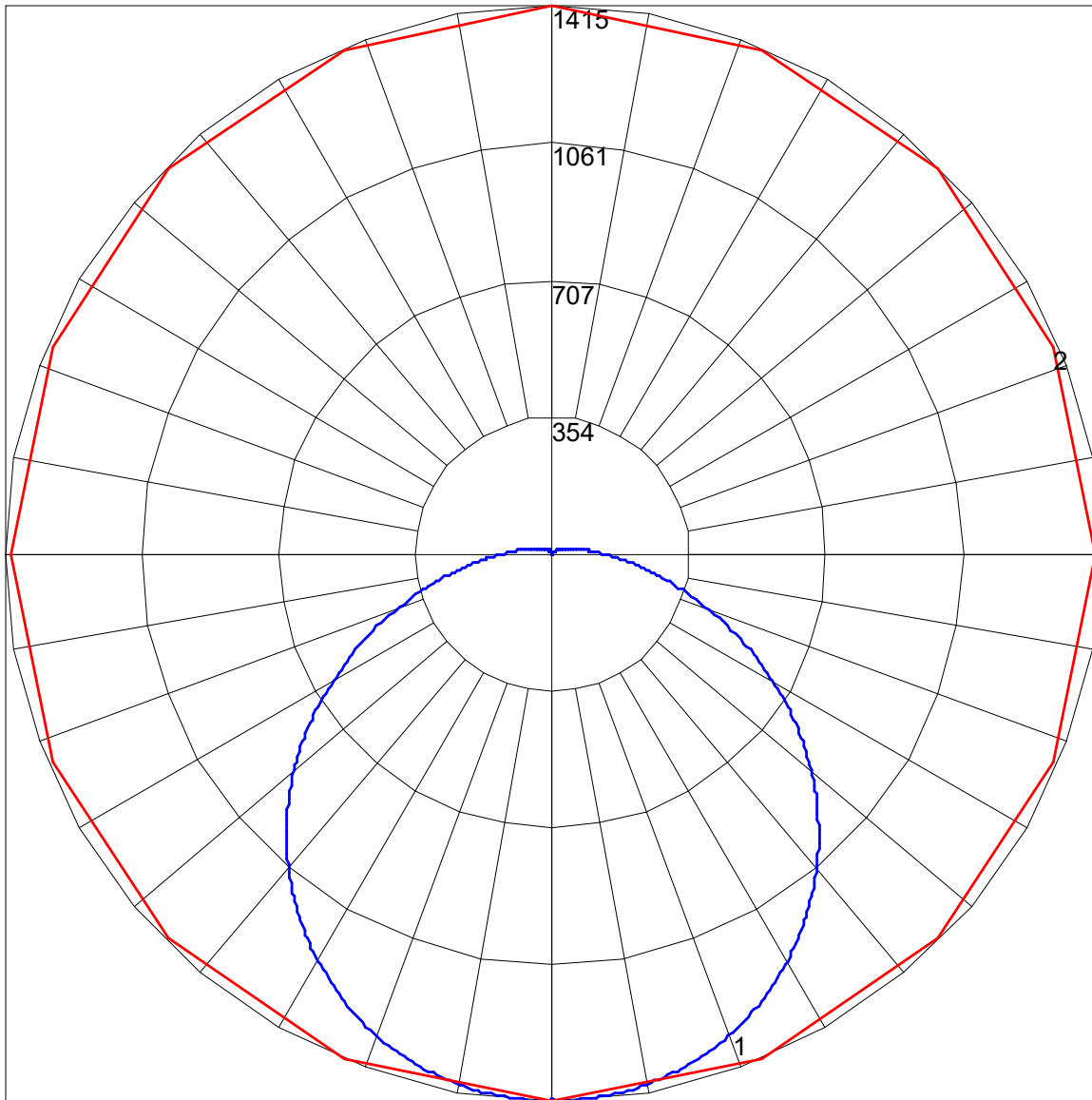
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**UGR TABLE - CORRECTED**

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	17.1	18.7	17.5	19.1	19.5	19.2	20.8	19.6	21.1	21.5
	3H	18.3	19.8	18.8	20.2	20.6	21.2	22.6	21.6	23.0	23.4
	4H	18.7	20.0	19.1	20.4	20.9	22.0	23.4	22.5	23.8	24.2
	6H	18.9	20.1	19.3	20.6	21.0	22.8	24.1	23.3	24.5	25.0
	8H	18.9	20.1	19.4	20.6	21.0	23.2	24.4	23.6	24.8	25.3
	12H	18.9	20.1	19.4	20.5	21.0	23.6	24.7	24.1	25.2	25.7
4H	2H	18.0	19.3	18.4	19.7	20.2	19.6	20.9	20.0	21.4	21.8
	3H	19.4	20.6	19.9	21.0	21.5	21.8	22.9	22.2	23.4	23.9
	4H	19.9	20.9	20.4	21.4	21.9	22.8	23.8	23.3	24.3	24.8
	6H	20.2	21.1	20.7	21.6	22.1	23.7	24.7	24.2	25.2	25.7
	8H	20.2	21.1	20.7	21.6	22.1	24.2	25.1	24.7	25.6	26.1
	12H	20.3	21.1	20.8	21.6	22.1	24.7	25.5	25.2	26.0	26.6
8H	4H	20.4	21.3	20.9	21.8	22.3	23.0	23.8	23.5	24.3	24.9
	6H	20.9	21.6	21.4	22.2	22.7	24.1	24.8	24.6	25.3	25.9
	8H	21.0	21.7	21.6	22.2	22.8	24.6	25.3	25.2	25.9	26.4
	12H	21.1	21.7	21.7	22.2	22.9	25.3	25.9	25.8	26.4	27.0
12H	4H	20.5	21.3	21.1	21.9	22.4	23.0	23.7	23.5	24.3	24.8
	6H	21.1	21.7	21.6	22.3	22.9	24.1	24.8	24.7	25.3	25.9
	8H	21.3	21.9	21.9	22.4	23.1	24.7	25.3	25.3	25.9	26.5

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 1414.674 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.)