



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL25 UV FR 940 @350MA.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 SEL25 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-25-UV-PS450-54-VDIM-LP2 LED driver set at 350mA

[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	2662
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	17
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	5216	4641	4499
55	4544	4101	3985
65	3660	3445	3344
75	2688	2757	2620
85	1631	2239	1986

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	326.36	N.A.	12.30
0-30	693.95	N.A.	26.10
0-40	1136.17	N.A.	42.70
0-60	1991.32	N.A.	74.80
0-80	2480.98	N.A.	93.20
0-90	2576.42	N.A.	96.80
10-90	2492.11	N.A.	93.60
20-40	809.82	N.A.	30.40
20-50	1263.67	N.A.	47.50
40-70	1156.75	N.A.	43.50
60-80	489.65	N.A.	18.40
70-80	188.05	N.A.	7.10
80-90	95.44	N.A.	3.60
90-110	64.11	N.A.	2.40
90-120	74.84	N.A.	2.80
90-130	80.52	N.A.	3.00
90-150	84.77	N.A.	3.20
90-180	85.52	N.A.	3.20
110-180	21.40	N.A.	0.80
0-180	2661.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	84.30
10-20	242.05
20-30	367.60
30-40	442.22
40-50	453.85
50-60	401.30
60-70	301.60
70-80	188.05
80-90	95.44
90-100	43.27
100-110	20.84
110-120	10.73
120-130	5.67
130-140	2.90
140-150	1.35
150-160	0.58
160-170	0.17
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	94	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

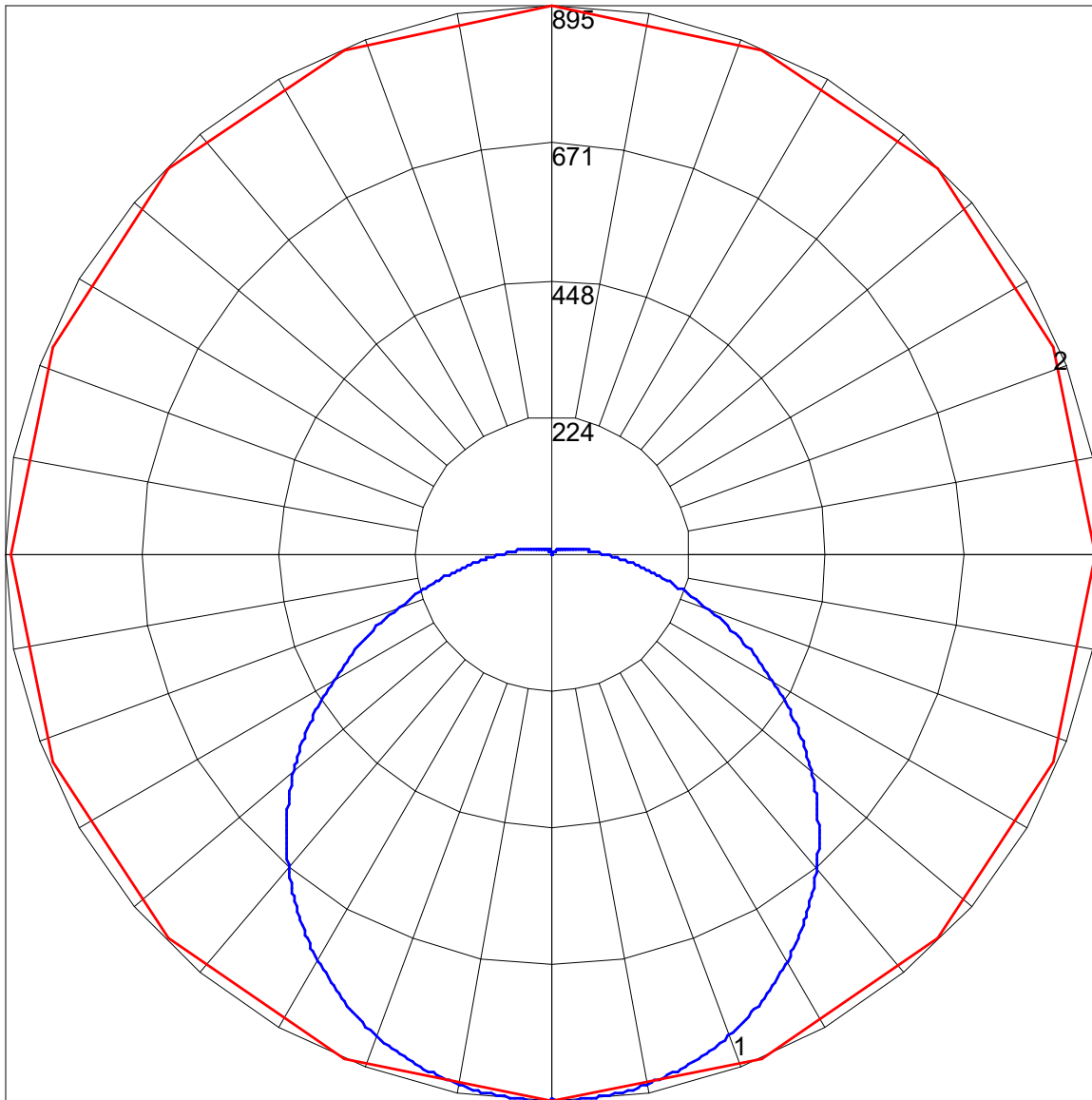
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**UGR TABLE - CORRECTED**

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	15.5	17.1	15.9	17.5	17.9	17.6	19.2	18.0	19.5	19.9
	3H	16.7	18.2	17.2	18.6	19.0	19.6	21.0	20.0	21.4	21.8
	4H	17.1	18.4	17.5	18.9	19.3	20.4	21.8	20.9	22.2	22.6
	6H	17.3	18.5	17.7	19.0	19.4	21.2	22.5	21.7	22.9	23.4
	8H	17.3	18.5	17.8	19.0	19.4	21.6	22.8	22.1	23.2	23.7
	12H	17.3	18.5	17.8	18.9	19.4	22.0	23.1	22.5	23.6	24.1
4H	2H	16.4	17.7	16.8	18.1	18.6	18.0	19.3	18.4	19.8	20.2
	3H	17.8	19.0	18.3	19.4	19.9	20.2	21.3	20.6	21.8	22.3
	4H	18.3	19.3	18.8	19.8	20.3	21.2	22.2	21.7	22.7	23.2
	6H	18.6	19.5	19.1	20.0	20.5	22.1	23.1	22.6	23.6	24.1
	8H	18.6	19.5	19.1	20.0	20.5	22.6	23.5	23.1	24.0	24.5
	12H	18.7	19.5	19.2	20.0	20.5	23.1	23.9	23.6	24.4	25.0
8H	4H	18.8	19.7	19.3	20.2	20.7	21.4	22.2	21.9	22.7	23.3
	6H	19.3	20.0	19.8	20.6	21.1	22.5	23.2	23.0	23.7	24.3
	8H	19.4	20.1	20.0	20.6	21.2	23.0	23.7	23.6	24.3	24.8
	12H	19.5	20.1	20.1	20.6	21.3	23.7	24.3	24.2	24.8	25.4
12H	4H	18.9	19.7	19.5	20.3	20.8	21.4	22.1	21.9	22.7	23.2
	6H	19.5	20.1	20.0	20.7	21.3	22.5	23.2	23.1	23.7	24.3
	8H	19.7	20.3	20.3	20.8	21.5	23.1	23.7	23.7	24.3	24.9

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 895.272 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.)