



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 940 @1300MA.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 4 SEL75 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 4000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1300mA

[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	9641
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	65.6
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)	3.84 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	37373	33366	32501
55	32447	29438	28785
65	25991	24675	24153
75	18860	19682	18924
85	10855	15879	14346

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1181.96	N.A.	12.30
0-30	2513.3	N.A.	26.10
0-40	4114.89	N.A.	42.70
0-60	7211.99	N.A.	74.80
0-80	8985.38	N.A.	93.20
0-90	9331.03	N.A.	96.80
10-90	9025.72	N.A.	93.60
20-40	2932.92	N.A.	30.40
20-50	4576.64	N.A.	47.50
40-70	4189.43	N.A.	43.50
60-80	1773.38	N.A.	18.40
70-80	681.06	N.A.	7.10
80-90	345.66	N.A.	3.60
90-110	232.20	N.A.	2.40
90-120	271.06	N.A.	2.80
90-130	291.61	N.A.	3.00
90-150	307.02	N.A.	3.20
90-180	309.72	N.A.	3.20
110-180	77.52	N.A.	0.80
0-180	9640.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	305.32
10-20	876.65
20-30	1331.33
30-40	1601.59
40-50	1643.71
50-60	1453.39
60-70	1092.32
70-80	681.06
80-90	345.66
90-100	156.72
100-110	75.48
110-120	38.85
120-130	20.55
130-140	10.51
140-150	4.90
150-160	2.10
160-170	0.60
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

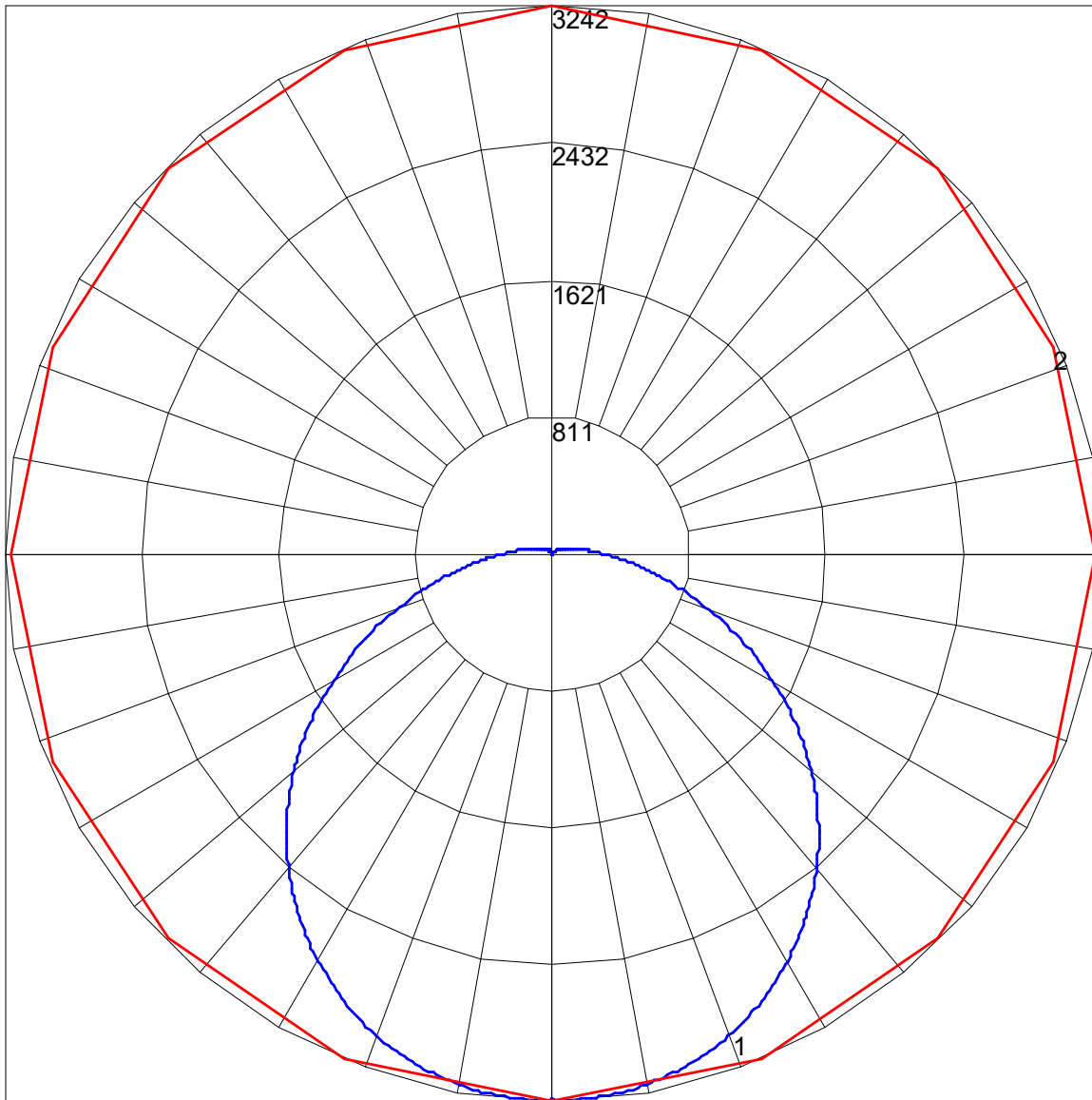
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**UGR TABLE - CORRECTED**

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	22.4	24.0	22.8	24.4	24.8	24.4	26.0	24.8	26.4	26.8
	3H	23.6	25.1	24.1	25.4	25.9	26.4	27.8	26.8	28.2	28.7
	4H	24.0	25.3	24.4	25.7	26.2	27.3	28.6	27.7	29.0	29.5
	6H	24.2	25.4	24.6	25.9	26.3	28.0	29.3	28.5	29.7	30.2
	8H	24.2	25.4	24.7	25.9	26.3	28.4	29.6	28.9	30.1	30.5
	12H	24.2	25.4	24.7	25.8	26.3	28.8	29.9	29.3	30.4	30.9
4H	2H	23.3	24.6	23.7	25.0	25.5	24.9	26.2	25.3	26.6	27.1
	3H	24.7	25.8	25.1	26.3	26.8	27.0	28.2	27.5	28.6	29.1
	4H	25.2	26.2	25.6	26.7	27.2	28.0	29.1	28.5	29.5	30.0
	6H	25.5	26.4	26.0	26.9	27.4	29.0	29.9	29.5	30.4	30.9
	8H	25.5	26.4	26.0	26.9	27.4	29.4	30.3	29.9	30.8	31.3
	12H	25.6	26.3	26.1	26.9	27.4	29.9	30.7	30.4	31.2	31.8
8H	4H	25.7	26.6	26.2	27.1	27.6	28.2	29.1	28.7	29.6	30.1
	6H	26.2	26.9	26.7	27.4	28.0	29.3	30.0	29.8	30.6	31.1
	8H	26.3	27.0	26.8	27.5	28.1	29.9	30.5	30.4	31.1	31.6
	12H	26.4	27.0	26.9	27.5	28.1	30.5	31.1	31.0	31.6	32.2
12H	4H	25.8	26.6	26.3	27.1	27.7	28.2	29.0	28.7	29.5	30.1
	6H	26.4	27.0	26.9	27.5	28.1	29.3	30.0	29.9	30.5	31.1
	8H	26.6	27.2	27.1	27.7	28.3	30.0	30.5	30.5	31.1	31.7

Maximum UGR = 32.2

POLAR GRAPH



Maximum Candela = 3242.416 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.)