



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 940 @1200MA.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 1200mA

[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	8984
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	60.2
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	34829	31094	30288
55	30238	27434	26825
65	24222	22995	22508
75	17575	18342	17636
85	10116	14798	13370

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1101.49	N.A.	12.30
0-30	2342.17	N.A.	26.10
0-40	3834.72	N.A.	42.70
0-60	6720.95	N.A.	74.80
0-80	8373.59	N.A.	93.20
0-90	8695.71	N.A.	96.80
10-90	8411.19	N.A.	93.60
20-40	2733.23	N.A.	30.40
20-50	4265.03	N.A.	47.50
40-70	3904.18	N.A.	43.50
60-80	1652.64	N.A.	18.40
70-80	634.69	N.A.	7.10
80-90	322.12	N.A.	3.60
90-110	216.39	N.A.	2.40
90-120	252.60	N.A.	2.80
90-130	271.75	N.A.	3.00
90-150	286.11	N.A.	3.20
90-180	288.63	N.A.	3.20
110-180	72.24	N.A.	0.80
0-180	8984.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	284.53
10-20	816.96
20-30	1240.68
30-40	1492.55
40-50	1531.8
50-60	1354.43
60-70	1017.95
70-80	634.69
80-90	322.12
90-100	146.05
100-110	70.34
110-120	36.21
120-130	19.15
130-140	9.80
140-150	4.56
150-160	1.96
160-170	0.56
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

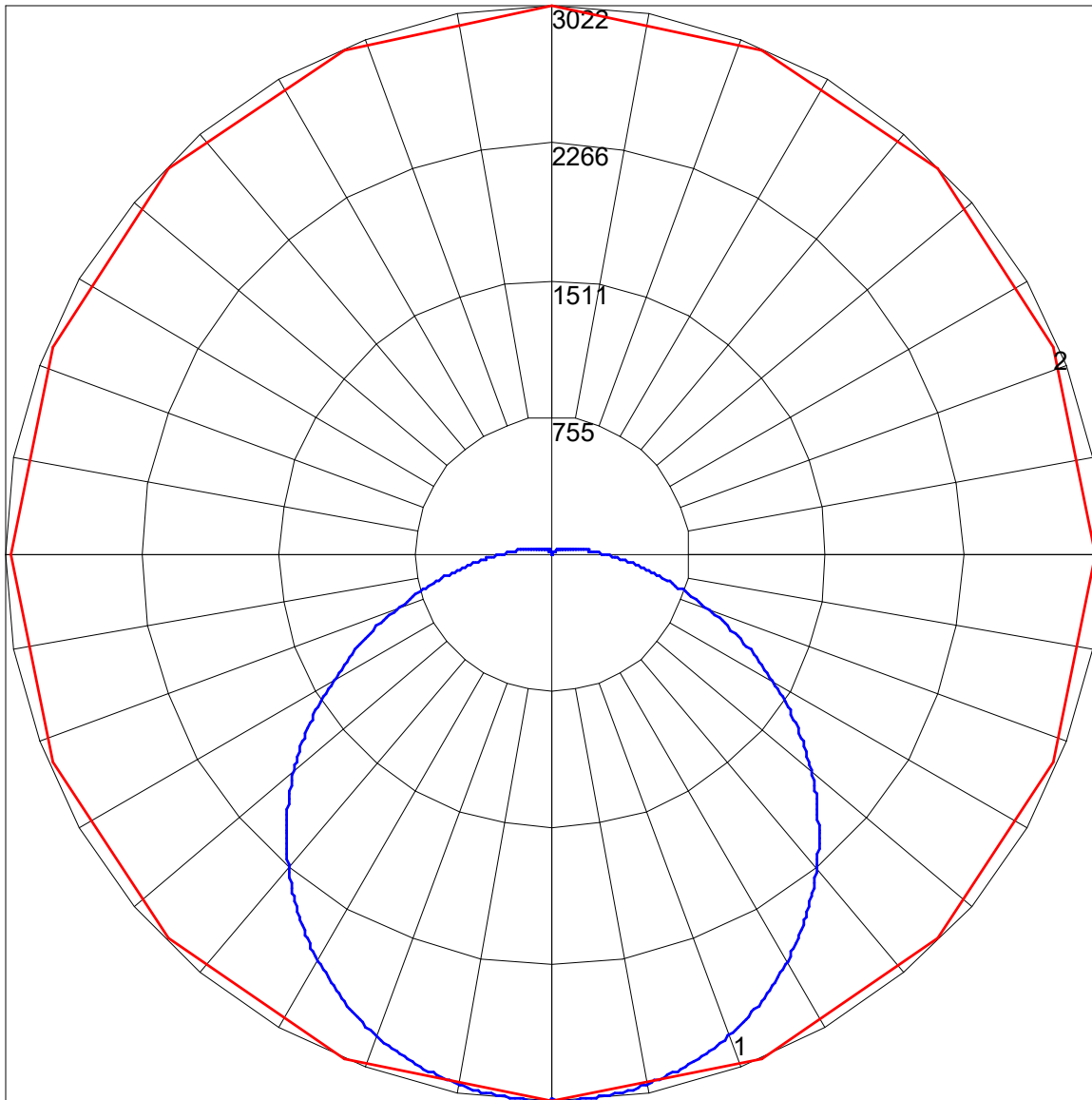
X=2H	Y=2H	22.1	23.7	22.5	24.1	24.5	24.1	25.7	24.5	26.1	26.5
	3H	23.3	24.8	23.8	25.1	25.6	26.1	27.5	26.5	27.9	28.4
	4H	23.7	25.0	24.1	25.4	25.9	27.0	28.3	27.4	28.7	29.2
	6H	23.9	25.1	24.3	25.6	26.0	27.7	29.0	28.2	29.4	29.9
	8H	23.9	25.1	24.4	25.6	26.0	28.1	29.3	28.6	29.8	30.2
	12H	23.9	25.1	24.4	25.5	26.0	28.5	29.7	29.0	30.1	30.6

### UGR Viewed Endwise

4H	2H	23.0	24.3	23.4	24.7	25.2	24.6	25.9	25.0	26.3	26.8
	3H	24.4	25.5	24.8	26.0	26.5	26.7	27.9	27.2	28.3	28.8
	4H	24.9	25.9	25.3	26.4	26.9	27.7	28.8	28.2	29.2	29.7
	6H	25.2	26.1	25.7	26.6	27.1	28.7	29.6	29.2	30.1	30.6
	8H	25.2	26.1	25.7	26.6	27.1	29.1	30.0	29.6	30.5	31.0
	12H	25.3	26.0	25.8	26.6	27.1	29.6	30.4	30.1	30.9	31.5
8H	4H	25.4	26.3	25.9	26.8	27.3	27.9	28.8	28.4	29.3	29.8
	6H	25.9	26.6	26.4	27.1	27.7	29.0	29.7	29.5	30.3	30.8
	8H	26.0	26.7	26.5	27.2	27.8	29.6	30.2	30.1	30.8	31.3
	12H	26.1	26.7	26.6	27.2	27.8	30.2	30.8	30.7	31.3	31.9
12H	4H	25.5	26.3	26.0	26.8	27.4	27.9	28.7	28.4	29.2	29.8
	6H	26.1	26.7	26.6	27.2	27.8	29.0	29.7	29.6	30.2	30.8
	8H	26.3	26.9	26.8	27.4	28.0	29.7	30.2	30.2	30.8	31.4

Maximum UGR = 31.9

POLAR GRAPH



Maximum Candela = 3021.65 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.)