



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 930 @1100MA.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 930

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,  
[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 3000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1100mA

[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	8075
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	54.8
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	31305	27948	27224
55	27179	24659	24111
65	21771	20669	20231
75	15798	16486	15852
85	9093	13301	12017

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	990.06	N.A.	12.30
0-30	2105.24	N.A.	26.10
0-40	3446.8	N.A.	42.70
0-60	6041.06	N.A.	74.80
0-80	7526.51	N.A.	93.20
0-90	7816.05	N.A.	96.80
10-90	7560.31	N.A.	93.60
20-40	2456.74	N.A.	30.40
20-50	3833.58	N.A.	47.50
40-70	3509.23	N.A.	43.50
60-80	1485.46	N.A.	18.40
70-80	570.48	N.A.	7.10
80-90	289.54	N.A.	3.60
90-110	194.50	N.A.	2.40
90-120	227.05	N.A.	2.80
90-130	244.26	N.A.	3.00
90-150	257.17	N.A.	3.20
90-180	259.43	N.A.	3.20
110-180	64.93	N.A.	0.80
0-180	8075.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	255.74
10-20	734.32
20-30	1115.18
30-40	1341.56
40-50	1376.84
50-60	1217.42
60-70	914.97
70-80	570.48
80-90	289.54
90-100	131.28
100-110	63.23
110-120	32.55
120-130	17.21
130-140	8.81
140-150	4.10
150-160	1.76
160-170	0.51
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	21.8	23.4	22.2	23.8	24.2	23.8	25.4	24.2	25.8	26.2
	3H	23.0	24.5	23.5	24.8	25.3	25.8	27.2	26.2	27.6	28.1
	4H	23.4	24.7	23.8	25.1	25.6	26.7	28.0	27.1	28.4	28.9
	6H	23.6	24.8	24.0	25.3	25.7	27.4	28.7	27.9	29.1	29.6
	8H	23.6	24.8	24.1	25.3	25.7	27.8	29.0	28.3	29.5	29.9
	12H	23.6	24.8	24.1	25.2	25.7	28.2	29.4	28.7	29.8	30.3

### UGR Viewed Endwise

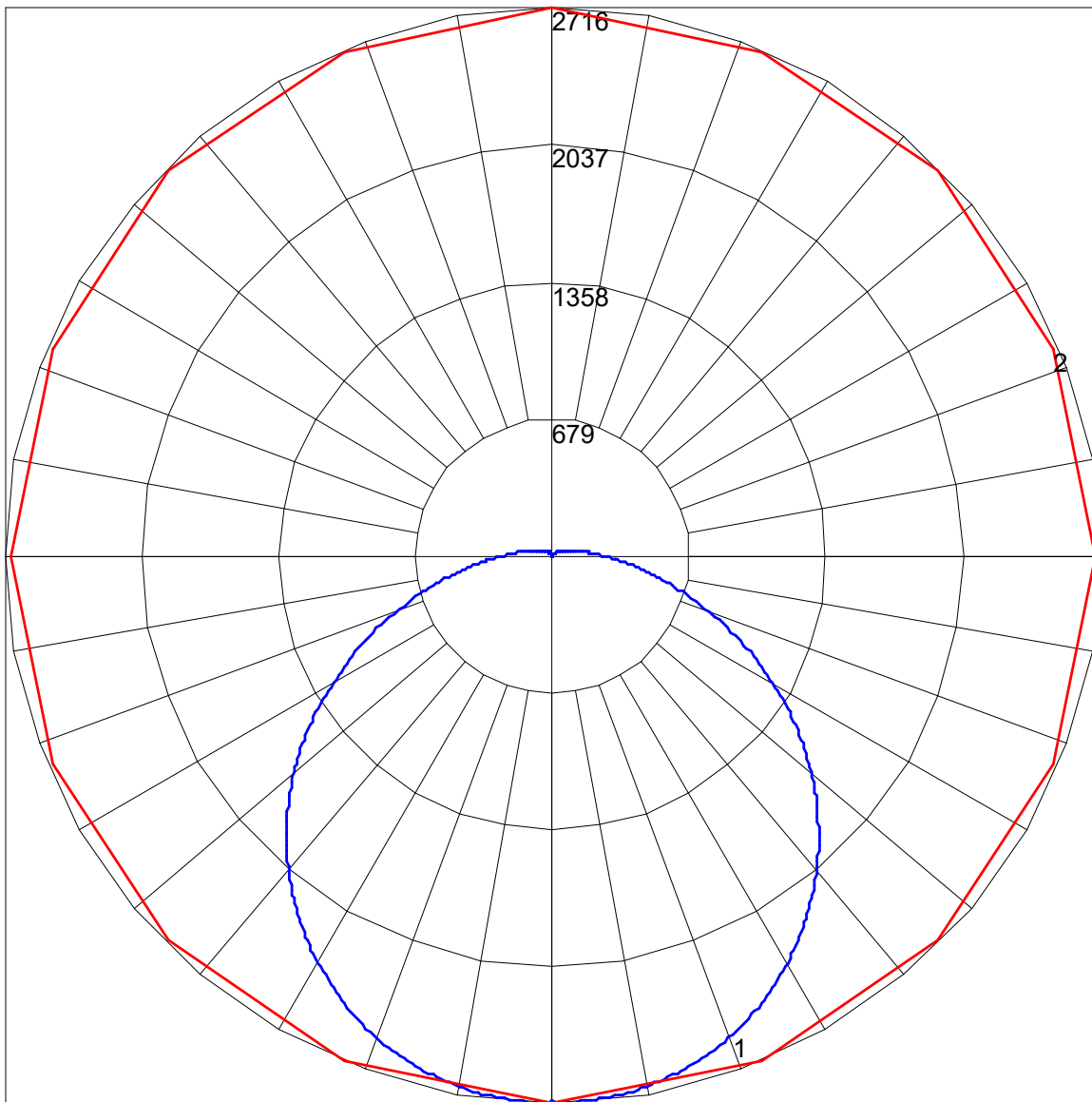
4H	2H	22.7	24.0	23.1	24.4	24.9	24.3	25.6	24.7	26.0	26.5
	3H	24.1	25.2	24.5	25.7	26.2	26.4	27.6	26.9	28.0	28.5
	4H	24.6	25.6	25.0	26.1	26.6	27.4	28.5	27.9	28.9	29.4
	6H	24.9	25.8	25.4	26.3	26.8	28.4	29.3	28.9	29.8	30.3
	8H	24.9	25.8	25.4	26.3	26.8	28.8	29.7	29.3	30.2	30.7
	12H	25.0	25.7	25.5	26.3	26.8	29.3	30.1	29.8	30.6	31.2

8H	4H	25.1	26.0	25.6	26.5	27.0	27.6	28.5	28.1	29.0	29.5
	6H	25.6	26.3	26.1	26.8	27.4	28.7	29.4	29.2	30.0	30.5
	8H	25.7	26.4	26.2	26.9	27.5	29.3	29.9	29.8	30.5	31.0
	12H	25.8	26.4	26.3	26.9	27.5	29.9	30.5	30.4	31.0	31.6

12H	4H	25.2	26.0	25.7	26.5	27.1	27.6	28.4	28.1	28.9	29.5
	6H	25.8	26.4	26.3	26.9	27.5	28.7	29.4	29.3	29.9	30.5
	8H	26.0	26.6	26.5	27.1	27.7	29.4	29.9	29.9	30.5	31.1

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 2715.979 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.)