



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 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 6 SEL75 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 48 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	8136
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	54.3
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)	5.84 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	20861	18582	18042
55	18154	16412	15979
65	14598	13776	13407
75	10680	11014	10505
85	6370	8928	7964

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	997.50	N.A.	12.30
0-30	2121.05	N.A.	26.10
0-40	3472.68	N.A.	42.70
0-60	6086.42	N.A.	74.80
0-80	7583.03	N.A.	93.20
0-90	7874.74	N.A.	96.80
10-90	7617.07	N.A.	93.60
20-40	2475.18	N.A.	30.40
20-50	3862.36	N.A.	47.50
40-70	3535.58	N.A.	43.50
60-80	1496.61	N.A.	18.40
70-80	574.77	N.A.	7.10
80-90	291.71	N.A.	3.60
90-110	195.96	N.A.	2.40
90-120	228.75	N.A.	2.80
90-130	246.10	N.A.	3.00
90-150	259.10	N.A.	3.20
90-180	261.38	N.A.	3.20
110-180	65.42	N.A.	0.80
0-180	8136.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	257.67
10-20	739.83
20-30	1123.55
30-40	1351.63
40-50	1387.18
50-60	1226.56
60-70	921.84
70-80	574.77
80-90	291.71
90-100	132.26
100-110	63.70
110-120	32.79
120-130	17.34
130-140	8.87
140-150	4.13
150-160	1.77
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	20.4	21.9	20.8	22.3	22.7	22.4	24.0	22.8	24.4	24.8
	3H	21.6	23.0	22.0	23.4	23.8	24.4	25.8	24.8	26.2	26.6
	4H	21.9	23.3	22.4	23.7	24.1	25.2	26.6	25.7	27.0	27.4
	6H	22.1	23.4	22.6	23.8	24.3	26.0	27.3	26.5	27.7	28.2
	8H	22.1	23.4	22.6	23.8	24.3	26.4	27.6	26.9	28.1	28.5
	12H	22.2	23.3	22.6	23.8	24.3	26.8	28.0	27.3	28.4	28.9

### UGR Viewed Endwise

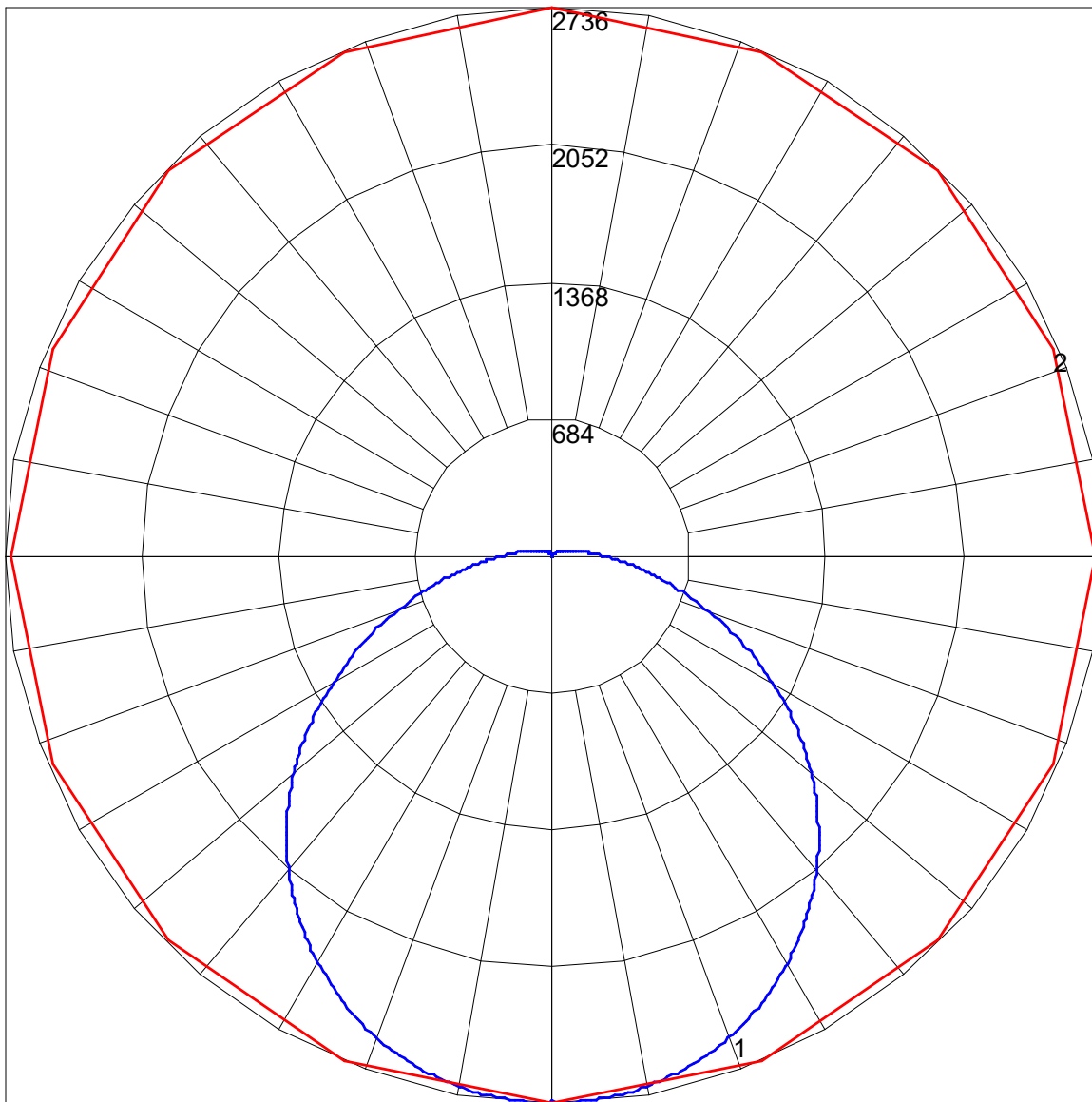
4H	2H	21.2	22.6	21.7	23.0	23.4	22.8	24.2	23.3	24.6	25.0
	3H	22.6	23.8	23.1	24.2	24.7	25.0	26.2	25.5	26.6	27.1
	4H	23.1	24.2	23.6	24.6	25.1	26.0	27.0	26.5	27.5	28.0
	6H	23.4	24.3	23.9	24.8	25.4	27.0	27.9	27.5	28.4	28.9
	8H	23.5	24.3	24.0	24.8	25.4	27.4	28.3	27.9	28.8	29.3
	12H	23.5	24.3	24.0	24.8	25.4	27.9	28.7	28.4	29.2	29.8

8H	4H	23.7	24.5	24.2	25.0	25.6	26.2	27.1	26.7	27.5	28.1
	6H	24.1	24.8	24.7	25.4	25.9	27.3	28.0	27.8	28.6	29.1
	8H	24.3	24.9	24.8	25.5	26.0	27.9	28.5	28.4	29.1	29.6
	12H	24.4	24.9	24.9	25.5	26.1	28.5	29.1	29.1	29.6	30.3

12H	4H	23.8	24.6	24.3	25.1	25.6	26.2	27.0	26.7	27.5	28.0
	6H	24.3	25.0	24.9	25.5	26.1	27.3	28.0	27.9	28.5	29.1
	8H	24.5	25.1	25.1	25.7	26.3	28.0	28.5	28.5	29.1	29.7

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 2736.372 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.)