



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 SEL75 UV FR 935 @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 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 3500K

[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	8776
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
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	34021	30372	29586
55	29536	26797	26203
65	23660	22462	21986
75	17168	17916	17226
85	9881	14454	13059

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1075.93	N.A.	12.30
0-30	2287.84	N.A.	26.10
0-40	3745.75	N.A.	42.70
0-60	6565.03	N.A.	74.80
0-80	8179.32	N.A.	93.20
0-90	8493.97	N.A.	96.80
10-90	8216.05	N.A.	93.60
20-40	2669.82	N.A.	30.40
20-50	4166.08	N.A.	47.50
40-70	3813.61	N.A.	43.50
60-80	1614.3	N.A.	18.40
70-80	619.96	N.A.	7.10
80-90	314.65	N.A.	3.60
90-110	211.37	N.A.	2.40
90-120	246.74	N.A.	2.80
90-130	265.45	N.A.	3.00
90-150	279.48	N.A.	3.20
90-180	281.94	N.A.	3.20
110-180	70.56	N.A.	0.80
0-180	8775.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	277.93
10-20	798.01
20-30	1211.9
30-40	1457.92
40-50	1496.26
50-60	1323.01
60-70	994.33
70-80	619.96
80-90	314.65
90-100	142.66
100-110	68.71
110-120	35.37
120-130	18.70
130-140	9.57
140-150	4.46
150-160	1.91
160-170	0.55
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

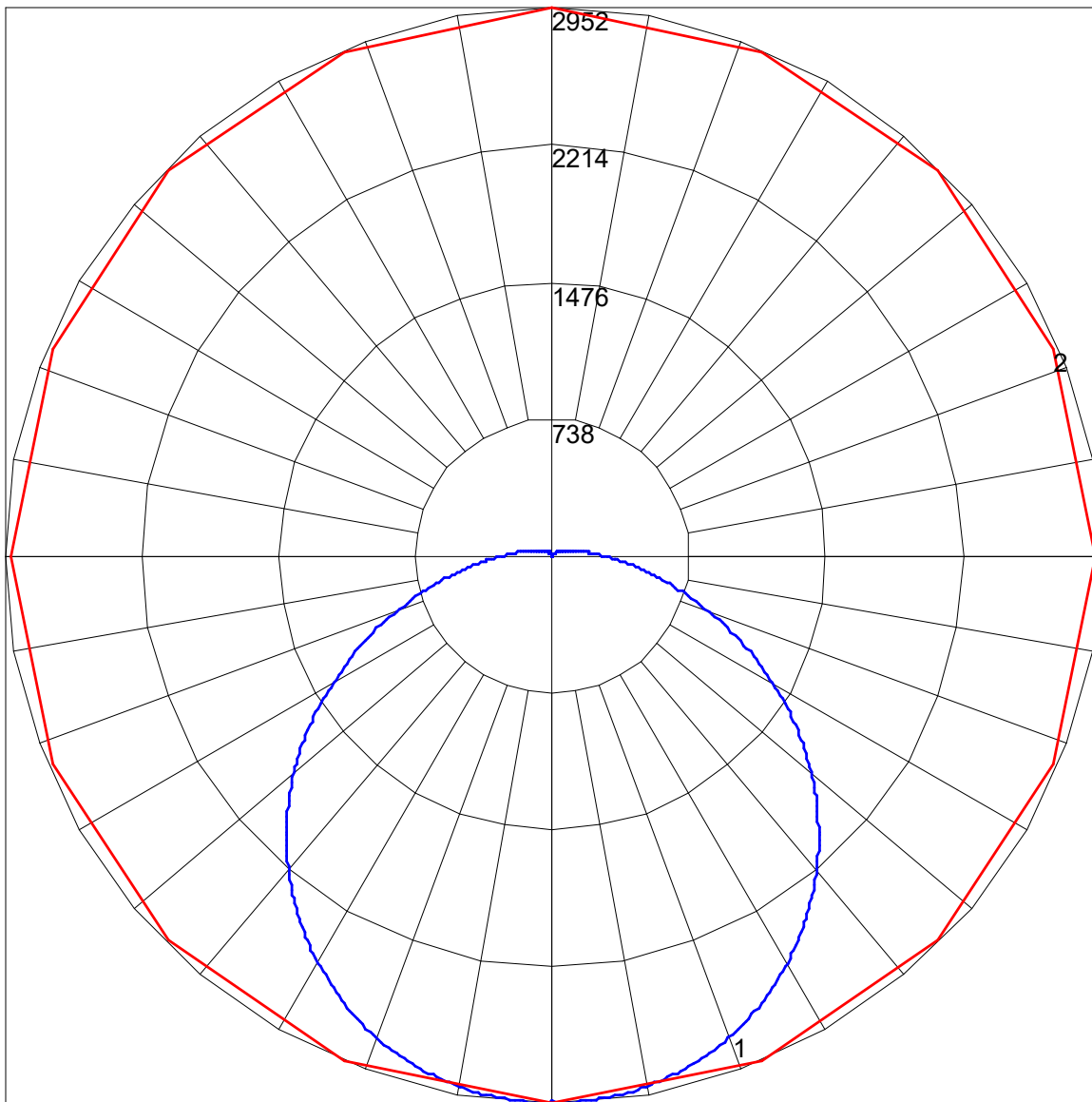
X=2H	Y=2H	22.1	23.7	22.5	24.1	24.5	24.1	25.7	24.5	26.1	26.5
	3H	23.3	24.8	23.8	25.1	25.6	26.1	27.5	26.5	27.9	28.4
	4H	23.7	25.0	24.1	25.4	25.9	27.0	28.3	27.4	28.7	29.2
	6H	23.9	25.1	24.3	25.6	26.0	27.7	29.0	28.2	29.4	29.9
	8H	23.9	25.1	24.4	25.6	26.0	28.1	29.3	28.6	29.8	30.2
	12H	23.9	25.1	24.4	25.5	26.0	28.5	29.6	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 = 2951.548 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.)