



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL75 UV FR 935 @1400MA.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 8 SEL75 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3500K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set at 1400mA

[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	10423
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	69
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)	7.67 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	20422	18172	17617
55	17791	16057	15603
65	14331	13488	13092
75	10525	10795	10258
85	6387	8769	7777

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1277.87	N.A.	12.30
0-30	2717.23	N.A.	26.10
0-40	4448.78	N.A.	42.70
0-60	7797.2	N.A.	74.80
0-80	9714.48	N.A.	93.20
0-90	10088.19	N.A.	96.80
10-90	9758.09	N.A.	93.60
20-40	3170.91	N.A.	30.40
20-50	4948.00	N.A.	47.50
40-70	4529.37	N.A.	43.50
60-80	1917.28	N.A.	18.40
70-80	736.32	N.A.	7.10
80-90	373.71	N.A.	3.60
90-110	251.05	N.A.	2.40
90-120	293.05	N.A.	2.80
90-130	315.27	N.A.	3.00
90-150	331.93	N.A.	3.20
90-180	334.85	N.A.	3.20
110-180	83.81	N.A.	0.80
0-180	10423.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	330.09
10-20	947.78
20-30	1439.36
30-40	1731.55
40-50	1777.09
50-60	1571.32
60-70	1180.96
70-80	736.32
80-90	373.71
90-100	169.44
100-110	81.61
110-120	42.01
120-130	22.22
130-140	11.37
140-150	5.30
150-160	2.27
160-170	0.65
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

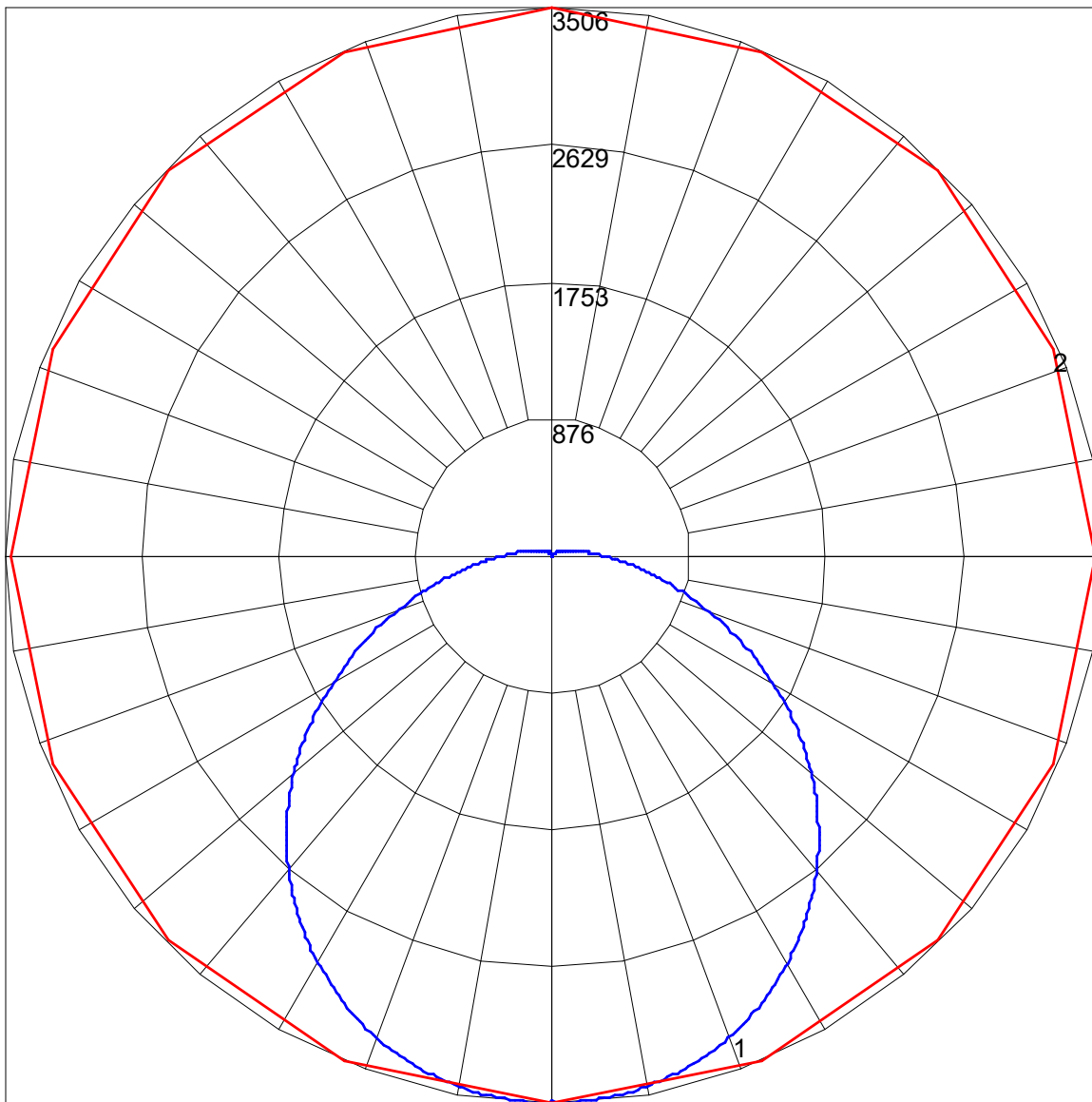
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**UGR TABLE - CORRECTED**

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	20.2	21.8	20.6	22.2	22.6	22.3	23.9	22.7	24.2	24.6
	3H	21.4	22.9	21.9	23.3	23.7	24.3	25.7	24.7	26.1	26.5
	4H	21.8	23.1	22.2	23.5	24.0	25.1	26.5	25.6	26.9	27.3
	6H	22.0	23.2	22.4	23.7	24.1	25.9	27.2	26.4	27.6	28.1
	8H	22.0	23.2	22.5	23.7	24.1	26.3	27.5	26.8	27.9	28.4
	12H	22.0	23.2	22.5	23.6	24.1	26.7	27.8	27.2	28.3	28.8
4H	2H	21.1	22.4	21.5	22.8	23.3	22.7	24.0	23.1	24.5	24.9
	3H	22.5	23.7	23.0	24.1	24.6	24.9	26.0	25.3	26.5	27.0
	4H	23.0	24.0	23.5	24.5	25.0	25.9	26.9	26.4	27.4	27.9
	6H	23.3	24.2	23.8	24.7	25.2	26.8	27.8	27.3	28.3	28.8
	8H	23.3	24.2	23.8	24.7	25.2	27.3	28.2	27.8	28.7	29.2
	12H	23.4	24.2	23.9	24.7	25.2	27.8	28.6	28.3	29.1	29.7
8H	4H	23.5	24.4	24.0	24.9	25.4	26.1	26.9	26.6	27.4	28.0
	6H	24.0	24.7	24.5	25.3	25.8	27.2	27.9	27.7	28.4	29.0
	8H	24.1	24.8	24.7	25.3	25.9	27.7	28.4	28.3	29.0	29.5
	12H	24.2	24.8	24.8	25.3	26.0	28.4	29.0	28.9	29.5	30.1
12H	4H	23.6	24.4	24.2	25.0	25.5	26.1	26.8	26.6	27.4	27.9
	6H	24.2	24.8	24.7	25.4	26.0	27.2	27.9	27.8	28.4	29.0
	8H	24.4	25.0	25.0	25.5	26.2	27.8	28.4	28.4	29.0	29.6

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 3505.516 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.)