



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL75 UV FR 930 @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 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 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	10155
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	70.3
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	26037	23192	22518
55	22658	20483	19943
65	18219	17194	16734
75	13329	13747	13111
85	7950	11142	9940

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1244.96	N.A.	12.30
0-30	2647.25	N.A.	26.10
0-40	4334.2	N.A.	42.70
0-60	7596.38	N.A.	74.80
0-80	9464.28	N.A.	93.20
0-90	9828.36	N.A.	96.80
10-90	9506.77	N.A.	93.60
20-40	3089.24	N.A.	30.40
20-50	4820.56	N.A.	47.50
40-70	4412.72	N.A.	43.50
60-80	1867.9	N.A.	18.40
70-80	717.36	N.A.	7.10
80-90	364.08	N.A.	3.60
90-110	244.58	N.A.	2.40
90-120	285.51	N.A.	2.80
90-130	307.15	N.A.	3.00
90-150	323.38	N.A.	3.20
90-180	326.23	N.A.	3.20
110-180	81.65	N.A.	0.80
0-180	10154.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	321.59
10-20	923.37
20-30	1402.29
30-40	1686.95
40-50	1731.32
50-60	1530.85
60-70	1150.54
70-80	717.36
80-90	364.08
90-100	165.08
100-110	79.50
110-120	40.92
120-130	21.64
130-140	11.07
140-150	5.16
150-160	2.21
160-170	0.64
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

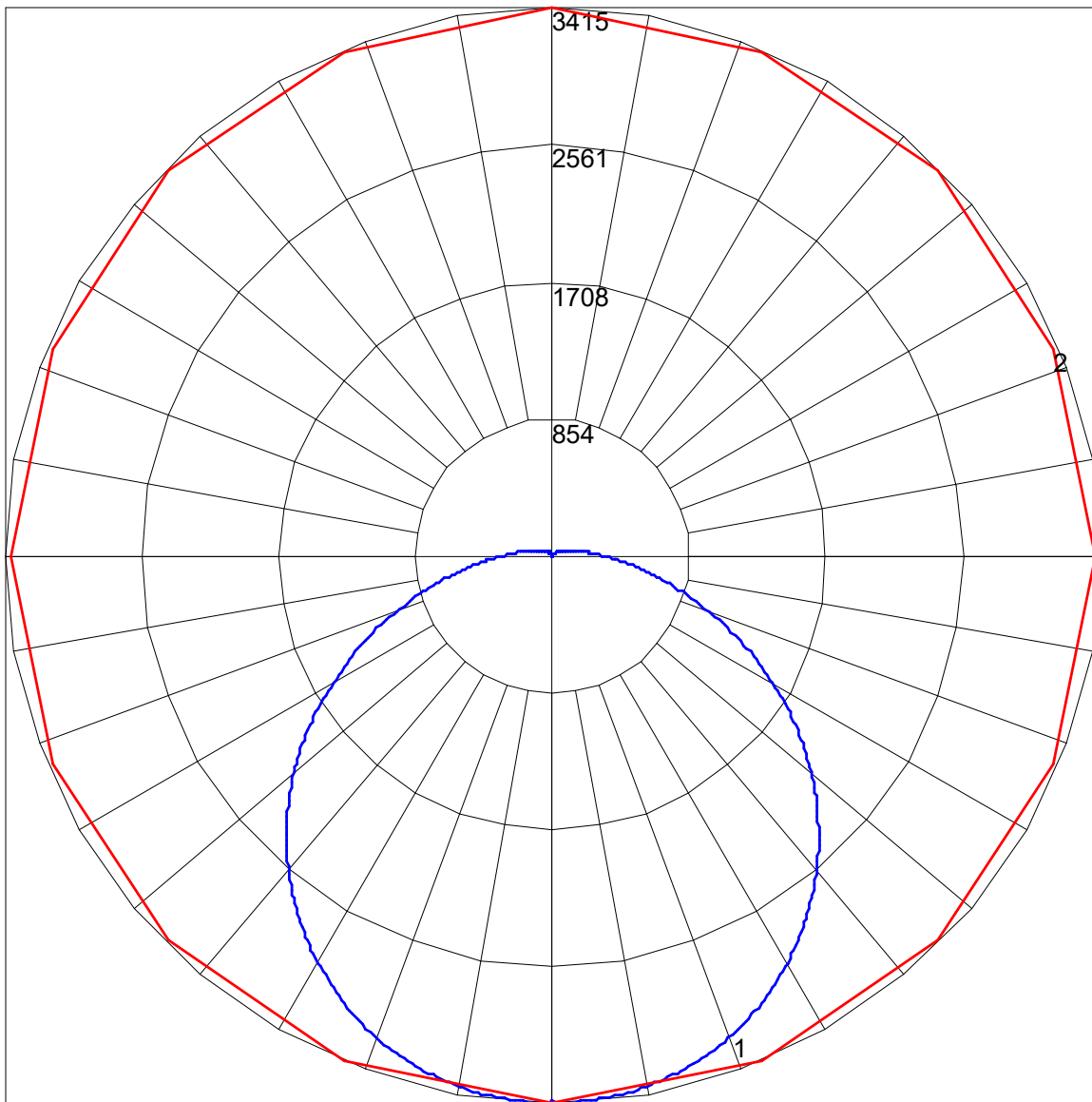
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**UGR TABLE - CORRECTED**

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	21.2	22.7	21.6	23.1	23.5	23.2	24.8	23.6	25.2	25.6
	3H	22.4	23.8	22.8	24.2	24.6	25.2	26.6	25.6	27.0	27.4
	4H	22.7	24.1	23.2	24.5	24.9	26.0	27.4	26.5	27.8	28.2
	6H	22.9	24.2	23.4	24.6	25.1	26.8	28.1	27.3	28.5	29.0
	8H	22.9	24.2	23.4	24.6	25.1	27.2	28.4	27.7	28.9	29.3
	12H	23.0	24.1	23.4	24.6	25.1	27.6	28.8	28.1	29.2	29.7
4H	2H	22.0	23.4	22.5	23.8	24.2	23.6	25.0	24.1	25.4	25.8
	3H	23.4	24.6	23.9	25.0	25.5	25.8	27.0	26.3	27.4	27.9
	4H	23.9	25.0	24.4	25.4	25.9	26.8	27.8	27.3	28.3	28.8
	6H	24.2	25.1	24.7	25.6	26.2	27.8	28.7	28.3	29.2	29.7
	8H	24.3	25.1	24.8	25.6	26.2	28.2	29.1	28.7	29.6	30.1
	12H	24.3	25.1	24.8	25.6	26.2	28.7	29.5	29.2	30.0	30.6
8H	4H	24.5	25.3	25.0	25.8	26.4	27.0	27.9	27.5	28.3	28.9
	6H	24.9	25.6	25.5	26.2	26.7	28.1	28.8	28.6	29.4	29.9
	8H	25.1	25.7	25.6	26.3	26.8	28.7	29.3	29.2	29.9	30.4
	12H	25.2	25.7	25.7	26.3	26.9	29.3	29.9	29.9	30.4	31.1
12H	4H	24.6	25.4	25.1	25.9	26.4	27.0	27.8	27.5	28.3	28.8
	6H	25.1	25.8	25.7	26.3	26.9	28.1	28.8	28.7	29.3	29.9
	8H	25.3	25.9	25.9	26.5	27.1	28.8	29.3	29.3	29.9	30.5

Maximum UGR = 31.1

POLAR GRAPH



Maximum Candela = 3415.23 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.)