



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL25 UV FR 930 @450MA.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 SEL25 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 3000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 450mA

[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	2942
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	19.7
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	7544	6719	6524
55	6564	5935	5778
65	5279	4982	4848
75	3862	3983	3799
85	2303	3228	2880

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	360.70	N.A.	12.30
0-30	766.97	N.A.	26.10
0-40	1255.73	N.A.	42.70
0-60	2200.86	N.A.	74.80
0-80	2742.04	N.A.	93.20
0-90	2847.52	N.A.	96.80
10-90	2754.35	N.A.	93.60
20-40	895.03	N.A.	30.40
20-50	1396.64	N.A.	47.50
40-70	1278.47	N.A.	43.50
60-80	541.18	N.A.	18.40
70-80	207.84	N.A.	7.10
80-90	105.48	N.A.	3.60
90-110	70.86	N.A.	2.40
90-120	82.72	N.A.	2.80
90-130	88.99	N.A.	3.00
90-150	93.69	N.A.	3.20
90-180	94.52	N.A.	3.20
110-180	23.66	N.A.	0.80
0-180	2942.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	93.17
10-20	267.52
20-30	406.28
30-40	488.75
40-50	501.61
50-60	443.53
60-70	333.34
70-80	207.84
80-90	105.48
90-100	47.83
100-110	23.03
110-120	11.86
120-130	6.27
130-140	3.21
140-150	1.49
150-160	0.64
160-170	0.18
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

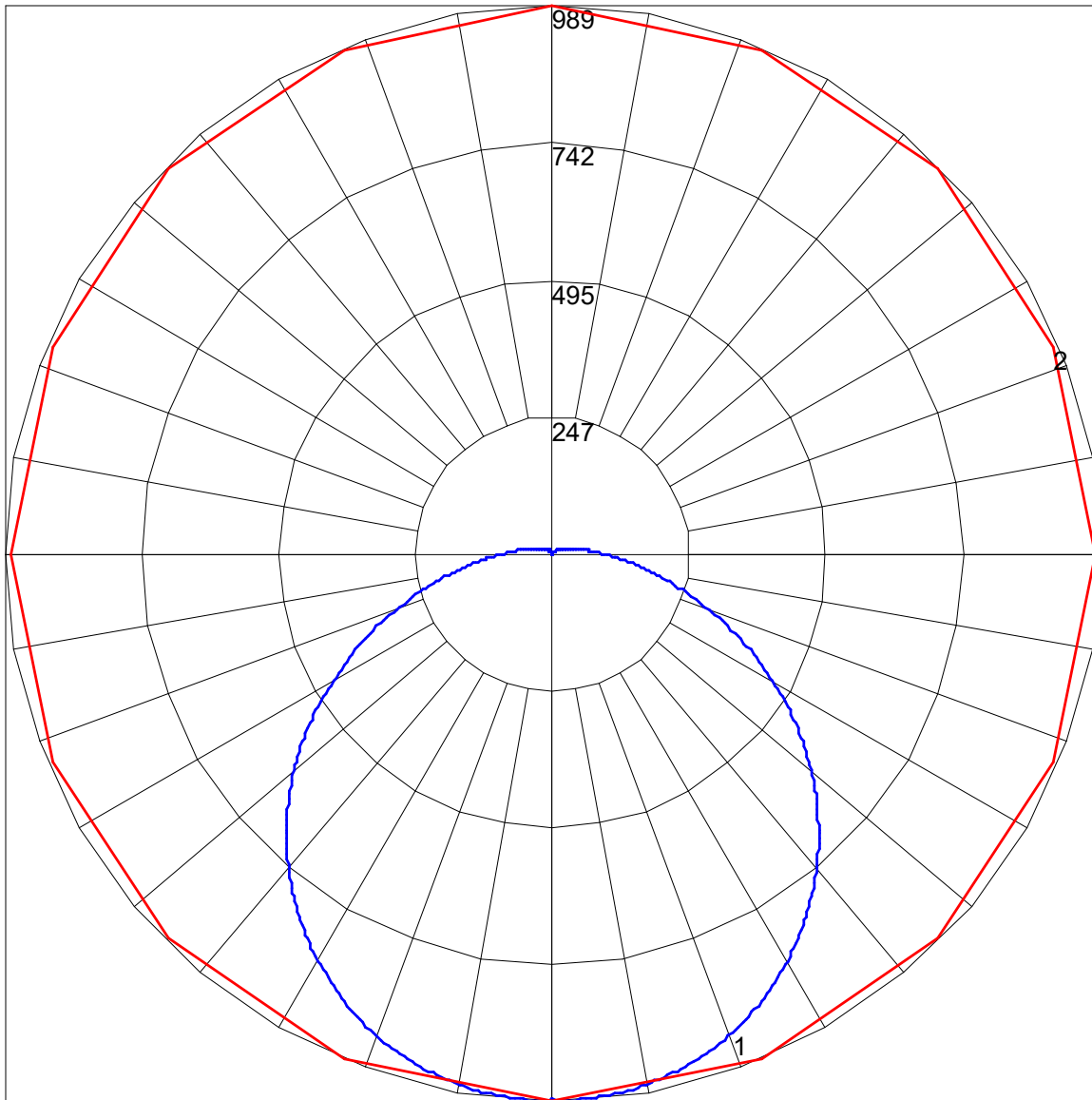
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**UGR TABLE - CORRECTED**

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	16.9	18.4	17.3	18.8	19.2	18.9	20.5	19.3	20.9	21.3
	3H	18.1	19.5	18.5	19.9	20.3	20.9	22.3	21.3	22.7	23.1
	4H	18.4	19.8	18.9	20.2	20.6	21.7	23.1	22.2	23.5	23.9
	6H	18.6	19.9	19.1	20.3	20.8	22.5	23.8	23.0	24.2	24.7
	8H	18.6	19.9	19.1	20.3	20.8	22.9	24.1	23.4	24.6	25.0
	12H	18.7	19.8	19.1	20.3	20.8	23.3	24.5	23.8	24.9	25.4
4H	2H	17.7	19.1	18.2	19.5	19.9	19.3	20.7	19.8	21.1	21.5
	3H	19.1	20.3	19.6	20.7	21.2	21.5	22.7	22.0	23.1	23.6
	4H	19.6	20.7	20.1	21.1	21.6	22.5	23.5	23.0	24.0	24.5
	6H	19.9	20.8	20.4	21.3	21.9	23.5	24.4	24.0	24.9	25.4
	8H	20.0	20.8	20.5	21.3	21.9	23.9	24.8	24.4	25.3	25.8
	12H	20.0	20.8	20.5	21.3	21.9	24.4	25.2	24.9	25.7	26.3
8H	4H	20.2	21.0	20.7	21.5	22.1	22.7	23.6	23.2	24.0	24.6
	6H	20.6	21.3	21.2	21.9	22.4	23.8	24.5	24.3	25.1	25.6
	8H	20.8	21.4	21.3	22.0	22.5	24.4	25.0	24.9	25.6	26.1
	12H	20.9	21.4	21.4	22.0	22.6	25.0	25.6	25.6	26.1	26.8
12H	4H	20.3	21.1	20.8	21.6	22.1	22.7	23.5	23.2	24.0	24.5
	6H	20.8	21.5	21.4	22.0	22.6	23.8	24.5	24.4	25.0	25.6
	8H	21.0	21.6	21.6	22.2	22.8	24.5	25.0	25.0	25.6	26.2

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 989.477 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.)