



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL45 UV FR 930 @700MA.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 SEL45 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-45-UV-PS850-54-VDIM-LM1 LED driver set at 700mA

[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	5229
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	34.2
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)	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	13407	11942	11595
55	11667	10547	10269
65	9382	8854	8617
75	6864	7078	6751
85	4094	5738	5118

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	641.07	N.A.	12.30
0-30	1363.15	N.A.	26.10
0-40	2231.81	N.A.	42.70
0-60	3911.61	N.A.	74.80
0-80	4873.44	N.A.	93.20
0-90	5060.92	N.A.	96.80
10-90	4895.32	N.A.	93.60
20-40	1590.74	N.A.	30.40
20-50	2482.25	N.A.	47.50
40-70	2272.24	N.A.	43.50
60-80	961.84	N.A.	18.40
70-80	369.39	N.A.	7.10
80-90	187.48	N.A.	3.60
90-110	125.94	N.A.	2.40
90-120	147.02	N.A.	2.80
90-130	158.16	N.A.	3.00
90-150	166.52	N.A.	3.20
90-180	167.98	N.A.	3.20
110-180	42.04	N.A.	0.80
0-180	5228.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	165.60
10-20	475.47
20-30	722.08
30-40	868.66
40-50	891.51
50-60	788.28
60-70	592.45
70-80	369.39
80-90	187.48
90-100	85.00
100-110	40.94
110-120	21.07
120-130	11.14
130-140	5.70
140-150	2.66
150-160	1.14
160-170	0.33
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	18.9	20.4	19.3	20.8	21.2	20.9	22.5	21.3	22.9	23.3
	3H	20.1	21.5	20.5	21.9	22.3	22.9	24.3	23.3	24.7	25.1
	4H	20.4	21.8	20.9	22.2	22.6	23.7	25.1	24.2	25.5	25.9
	6H	20.6	21.9	21.1	22.3	22.8	24.5	25.8	25.0	26.2	26.7
	8H	20.6	21.9	21.1	22.3	22.8	24.9	26.1	25.4	26.6	27.0
	12H	20.7	21.8	21.1	22.3	22.8	25.3	26.5	25.8	26.9	27.4

### UGR Viewed Endwise

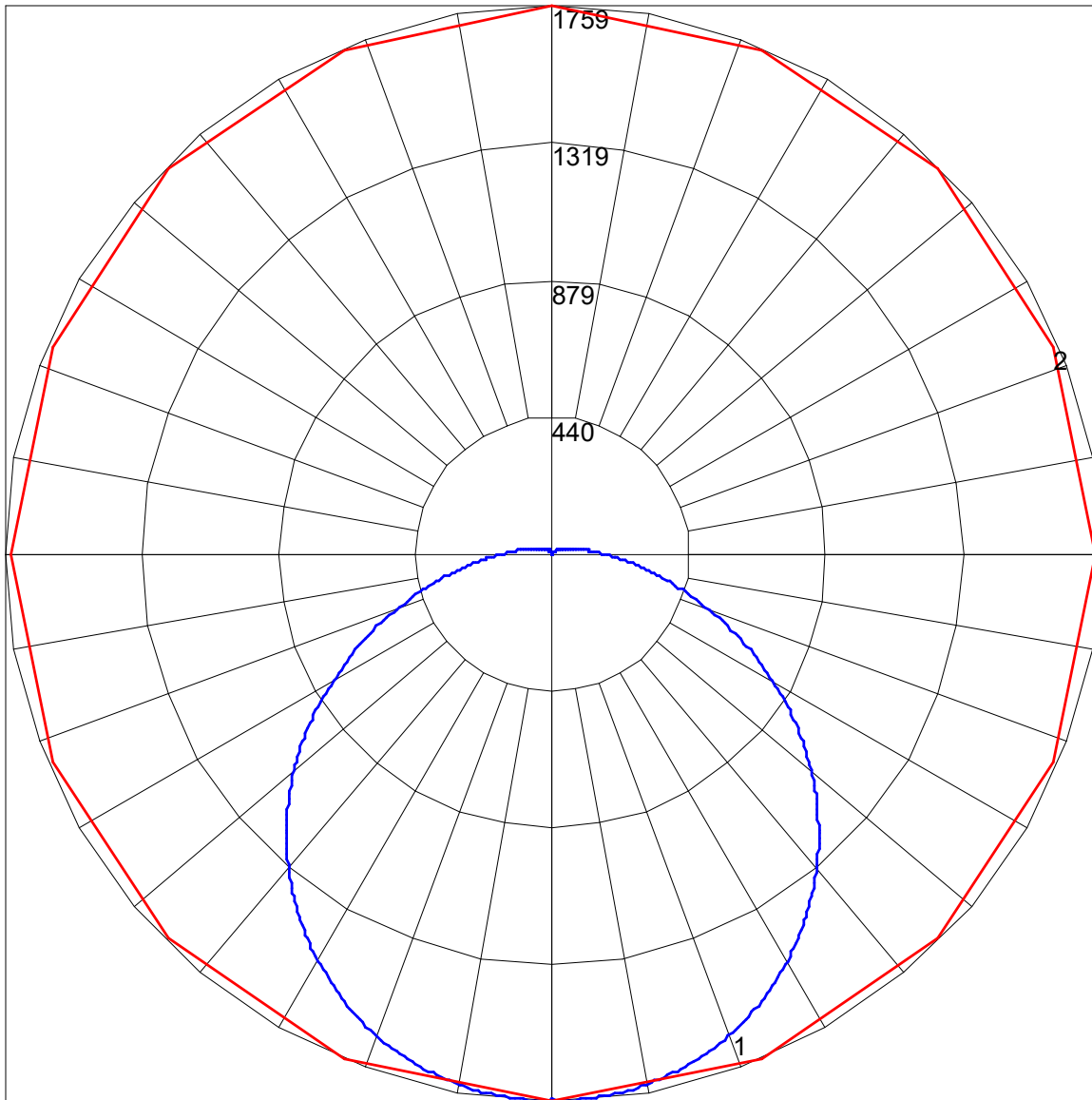
4H	2H	19.7	21.1	20.2	21.5	21.9	21.3	22.7	21.8	23.1	23.5
	3H	21.1	22.3	21.6	22.7	23.2	23.5	24.7	24.0	25.1	25.6
	4H	21.6	22.7	22.1	23.1	23.6	24.5	25.5	25.0	26.0	26.5
	6H	21.9	22.8	22.4	23.3	23.9	25.5	26.4	26.0	26.9	27.4
	8H	22.0	22.8	22.5	23.3	23.9	25.9	26.8	26.4	27.3	27.8
	12H	22.0	22.8	22.5	23.3	23.9	26.4	27.2	26.9	27.7	28.3

8H	4H	22.2	23.0	22.7	23.5	24.1	24.7	25.6	25.2	26.0	26.6
	6H	22.6	23.3	23.2	23.9	24.4	25.8	26.5	26.3	27.1	27.6
	8H	22.8	23.4	23.3	24.0	24.5	26.4	27.0	26.9	27.6	28.1
	12H	22.9	23.4	23.4	24.0	24.6	27.0	27.6	27.6	28.1	28.8

12H	4H	22.3	23.1	22.8	23.6	24.1	24.7	25.5	25.2	26.0	26.5
	6H	22.8	23.5	23.4	24.0	24.6	25.8	26.5	26.4	27.0	27.6
	8H	23.0	23.6	23.6	24.2	24.8	26.5	27.0	27.0	27.6	28.2

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 1758.606 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.)