



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL45 UV FR 930 @850MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 2 SEL45 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 84 LED board, 3000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set at 850mA

[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	5431
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	37.6
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)	1.99 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	39201	35820	35356
55	33572	31375	31322
65	26613	26208	26566
75	19104	21014	21239
85	10555	17042	16738

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL N G2 2 SEL45 UV FR 930 @850MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	663.99	N.A.	12.20
0-30	1412.67	N.A.	26.00
0-40	2312.00	N.A.	42.60
0-60	4040.88	N.A.	74.40
0-80	5038.05	N.A.	92.80
0-90	5239.18	N.A.	96.50
10-90	5067.77	N.A.	93.30
20-40	1648.01	N.A.	30.30
20-50	2567.05	N.A.	47.30
40-70	2339.55	N.A.	43.10
60-80	997.16	N.A.	18.40
70-80	386.50	N.A.	7.10
80-90	201.14	N.A.	3.70
90-110	139.10	N.A.	2.60
90-120	163.13	N.A.	3.00
90-130	176.33	N.A.	3.20
90-150	188.16	N.A.	3.50
90-180	191.47	N.A.	3.50
110-180	52.37	N.A.	1.00
0-180	5430.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	171.41
10-20	492.58
20-30	748.68
30-40	899.33
40-50	919.04
50-60	809.85
60-70	610.67
70-80	386.50
80-90	201.14
90-100	93.46
100-110	45.65
110-120	24.03
120-130	13.20
130-140	7.54
140-150	4.29
150-160	2.37
160-170	0.85
170-180	0.09

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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	96
1	107	102	98	93	104	99	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	64	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	42	35	62	49	41	35	47	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	43	36	31	42	35	31	40	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	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

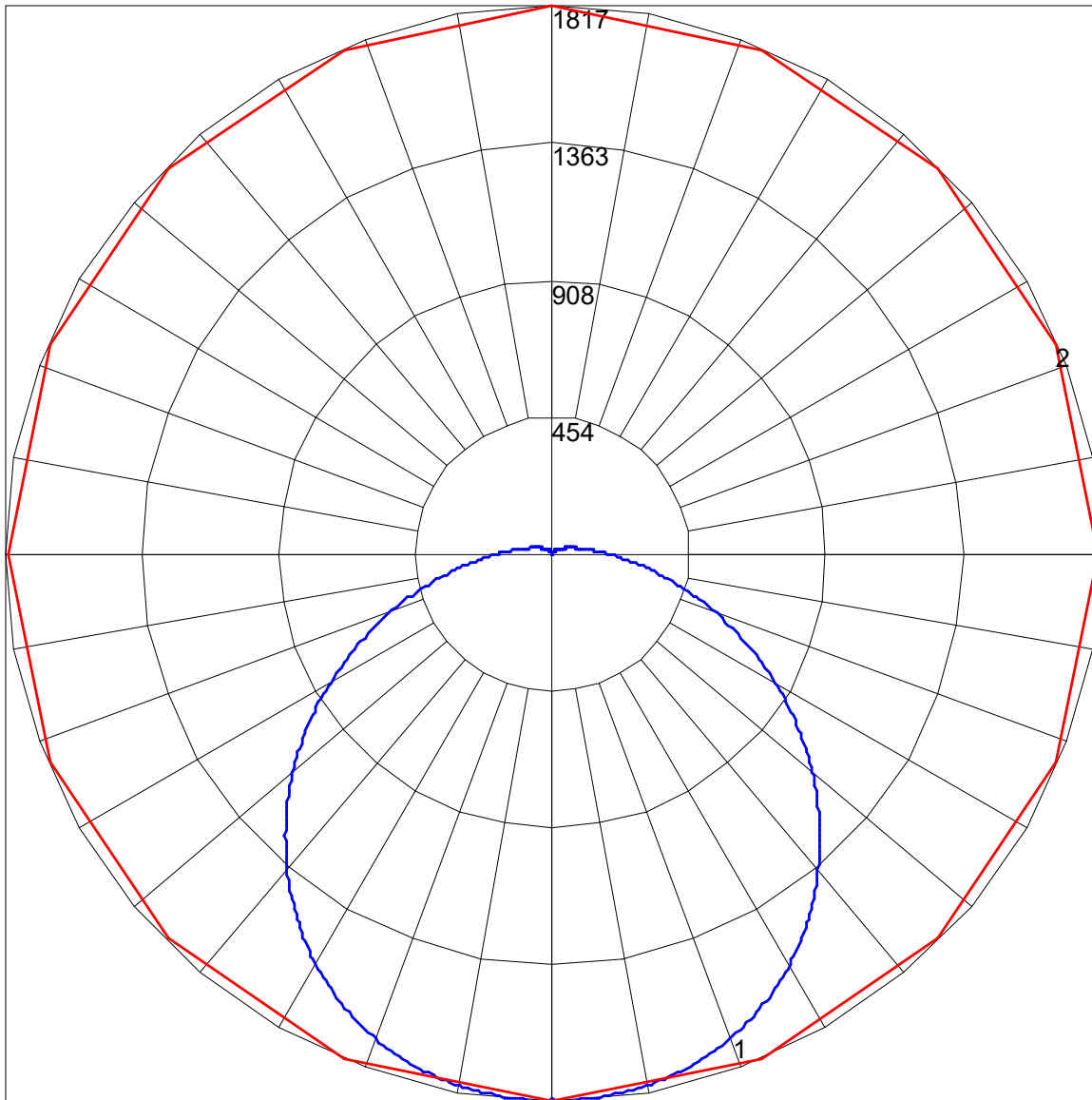
X=2H	Y=2H	22.5	24.0	22.9	24.4	24.9	24.6	26.2	25.0	26.6	27.0
	3H	23.7	25.1	24.1	25.5	26.0	26.6	28.0	27.1	28.4	28.9
	4H	24.0	25.4	24.5	25.8	26.3	27.5	28.8	27.9	29.2	29.7
	6H	24.2	25.5	24.7	25.9	26.4	28.3	29.5	28.8	30.0	30.5
	8H	24.3	25.5	24.8	25.9	26.4	28.7	29.8	29.2	30.3	30.8
	12H	24.3	25.4	24.8	25.9	26.4	29.1	30.2	29.6	30.7	31.2

### UGR Viewed Endwise

4H	2H	23.3	24.7	23.8	25.1	25.6	25.0	26.4	25.5	26.8	27.3
	3H	24.8	25.9	25.3	26.4	26.9	27.2	28.4	27.7	28.8	29.3
	4H	25.3	26.3	25.8	26.8	27.3	28.3	29.3	28.7	29.8	30.3
	6H	25.6	26.5	26.1	27.0	27.5	29.2	30.1	29.8	30.6	31.2
	8H	25.6	26.5	26.2	27.0	27.5	29.7	30.5	30.2	31.1	31.6
	12H	25.7	26.4	26.2	27.0	27.5	30.2	31.0	30.7	31.5	32.1
8H	4H	25.8	26.7	26.3	27.2	27.7	28.4	29.3	29.0	29.8	30.4
	6H	26.3	27.0	26.8	27.5	28.1	29.6	30.3	30.1	30.8	31.4
	8H	26.4	27.1	27.0	27.6	28.2	30.1	30.8	30.7	31.4	31.9
	12H	26.5	27.1	27.1	27.6	28.3	30.8	31.4	31.4	31.9	32.6
12H	4H	25.9	26.7	26.5	27.2	27.8	28.4	29.2	29.0	29.7	30.3
	6H	26.5	27.1	27.1	27.7	28.3	29.6	30.2	30.2	30.8	31.4
	8H	26.7	27.3	27.3	27.8	28.5	30.3	30.8	30.8	31.4	32.0

Maximum UGR = 32.6

POLAR GRAPH



Maximum Candela = 1816.673 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.)