

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL15 UV FR 930 @270MA.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 SEL15 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-15-UV-PS300-54-VDIM-LP1 LED driver set at 270mA

[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	1758
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	12.1
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	4509	4016	3899
55	3923	3547	3453
65	3155	2977	2898
75	2308	2380	2270
85	1377	1929	1721

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Zone	Lumens	%Lamp	%Fixt
0-20	215.58	N.A.	12.30
0-30	458.40	N.A.	26.10
0-40	750.51	N.A.	42.70
0-60	1315.39	N.A.	74.80
0-80	1638.84	N.A.	93.20
0-90	1701.88	N.A.	96.80
10-90	1646.19	N.A.	93.60
20-40	534.93	N.A.	30.40
20-50	834.73	N.A.	47.50
40-70	764.11	N.A.	43.50
60-80	323.45	N.A.	18.40
70-80	124.22	N.A.	7.10
80-90	63.04	N.A.	3.60
90-110	42.35	N.A.	2.40
90-120	49.44	N.A.	2.80
90-130	53.19	N.A.	3.00
90-150	56.00	N.A.	3.20
90-180	56.49	N.A.	3.20
110-180	14.14	N.A.	0.80
0-180	1758.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.69
10-20	159.89
20-30	242.82
30-40	292.11
40-50	299.80
50-60	265.08
60-70	199.23
70-80	124.22
80-90	63.04
90-100	28.58
100-110	13.77
110-120	7.09
120-130	3.75
130-140	1.92
140-150	0.89
150-160	0.38
160-170	0.11
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	95	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	15.1	16.6	15.5	17.0	17.4	UGR Viewed Endwise	17.1	18.7	17.5	19.1	19.5
	3H	16.3	17.7	16.7	18.1	18.5		19.1	20.5	19.5	20.9	21.3
	4H	16.6	18.0	17.1	18.4	18.8		19.9	21.3	20.4	21.7	22.1
	6H	16.8	18.1	17.3	18.5	19.0		20.7	22.0	21.2	22.4	22.9
	8H	16.8	18.1	17.3	18.5	19.0		21.1	22.3	21.6	22.8	23.2
	12H	16.9	18.0	17.3	18.5	19.0		21.5	22.7	22.0	23.1	23.6

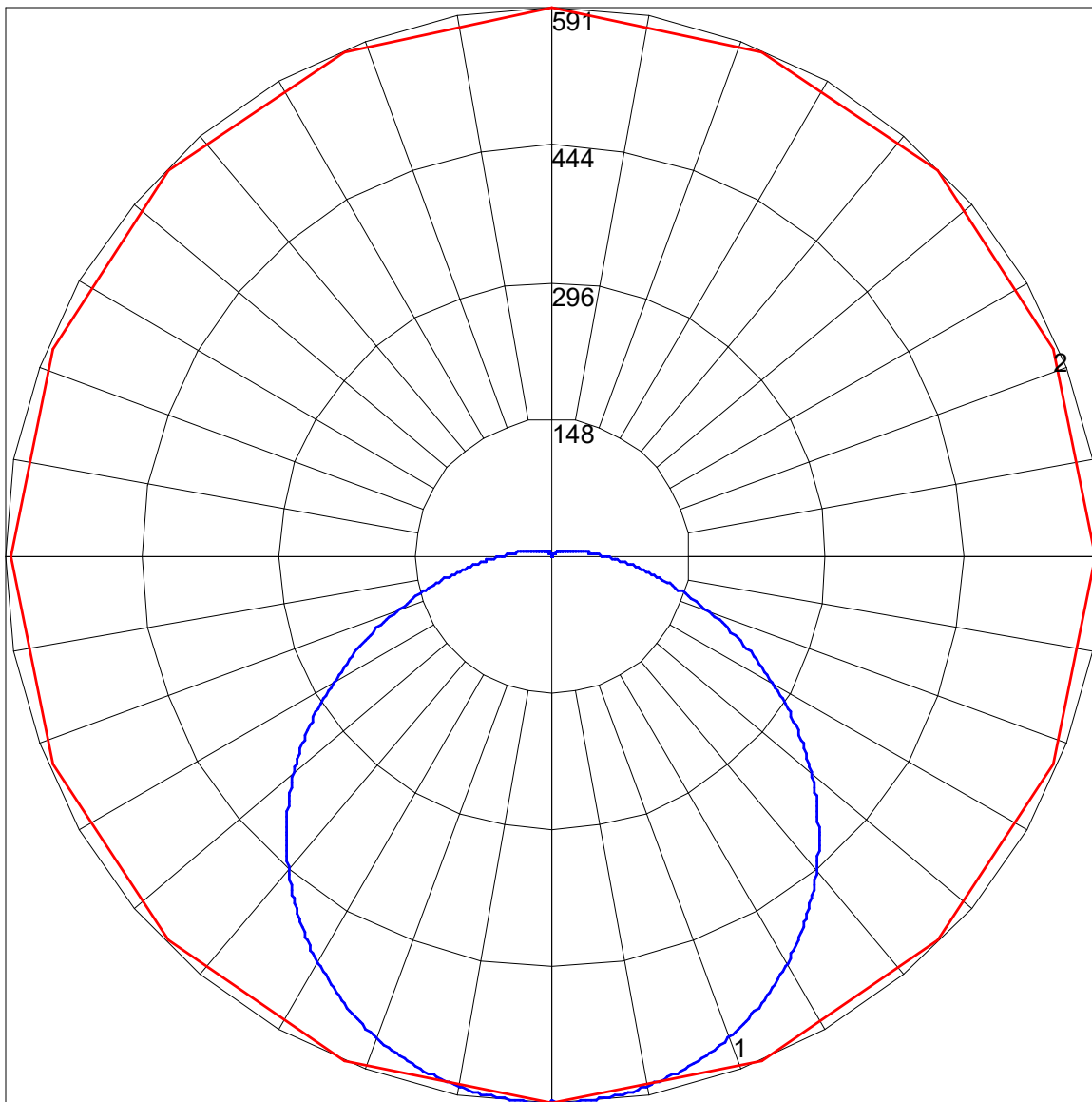
4H	2H	15.9	17.3	16.4	17.7	18.1	17.5	18.9	18.0	19.3	19.7
	3H	17.3	18.5	17.8	18.9	19.4	19.7	20.9	20.2	21.3	21.8
	4H	17.8	18.9	18.3	19.3	19.8	20.7	21.7	21.2	22.2	22.7
	6H	18.1	19.0	18.6	19.5	20.1	21.7	22.6	22.2	23.1	23.6
	8H	18.2	19.0	18.7	19.5	20.1	22.1	23.0	22.6	23.5	24.0
	12H	18.2	19.0	18.7	19.5	20.1	22.6	23.4	23.1	23.9	24.5

8H	4H	18.4	19.2	18.9	19.7	20.3	20.9	21.8	21.4	22.2	22.8
	6H	18.8	19.5	19.4	20.1	20.6	22.0	22.7	22.5	23.3	23.8
	8H	18.9	19.6	19.5	20.2	20.7	22.6	23.2	23.1	23.8	24.3
	12H	19.0	19.6	19.6	20.2	20.8	23.2	23.8	23.8	24.3	25.0

12H	4H	18.5	19.3	19.0	19.8	20.3	20.9	21.7	21.4	22.2	22.7
	6H	19.0	19.7	19.6	20.2	20.8	22.0	22.7	22.6	23.2	23.8
	8H	19.2	19.8	19.8	20.4	21.0	22.7	23.2	23.2	23.8	24.4

Maximum UGR = 25.0

POLAR GRAPH



Maximum Candela = 591.382 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.)