



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL15 UV FR 930 @200MA.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 SEL15 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 28 LED board, 3000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set at 200mA

[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	1301
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	9.2
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)	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	9389	8579	8468
55	8041	7514	7502
65	6374	6277	6363
75	4576	5033	5087
85	2528	4082	4009

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	159.03	N.A.	12.20
0-30	338.34	N.A.	26.00
0-40	553.73	N.A.	42.60
0-60	967.81	N.A.	74.40
0-80	1206.63	N.A.	92.80
0-90	1254.8	N.A.	96.50
10-90	1213.75	N.A.	93.30
20-40	394.70	N.A.	30.30
20-50	614.82	N.A.	47.30
40-70	560.33	N.A.	43.10
60-80	238.82	N.A.	18.40
70-80	92.57	N.A.	7.10
80-90	48.17	N.A.	3.70
90-110	33.32	N.A.	2.60
90-120	39.07	N.A.	3.00
90-130	42.23	N.A.	3.20
90-150	45.06	N.A.	3.50
90-180	45.86	N.A.	3.50
110-180	12.54	N.A.	1.00
0-180	1300.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.05
10-20	117.97
20-30	179.31
30-40	215.39
40-50	220.11
50-60	193.96
60-70	146.26
70-80	92.57
80-90	48.17
90-100	22.38
100-110	10.93
110-120	5.75
120-130	3.16
130-140	1.80
140-150	1.03
150-160	0.57
160-170	0.20
170-180	0.02

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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	49	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	59	46	37	32	58	45	37	31	43	36	31	42	35	30	40	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	27	37	31	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	17.5	19.0	17.9	19.4	19.9	19.6	21.2	20.0	21.6	22.0
	3H	18.7	20.1	19.1	20.5	21.0	21.6	23.0	22.1	23.4	23.9
	4H	19.0	20.4	19.5	20.8	21.3	22.5	23.8	22.9	24.2	24.7
	6H	19.2	20.5	19.7	20.9	21.4	23.3	24.5	23.8	25.0	25.5
	8H	19.3	20.5	19.8	20.9	21.4	23.7	24.9	24.2	25.3	25.8
	12H	19.3	20.4	19.8	20.9	21.4	24.1	25.2	24.6	25.7	26.2

UGR Viewed Endwise

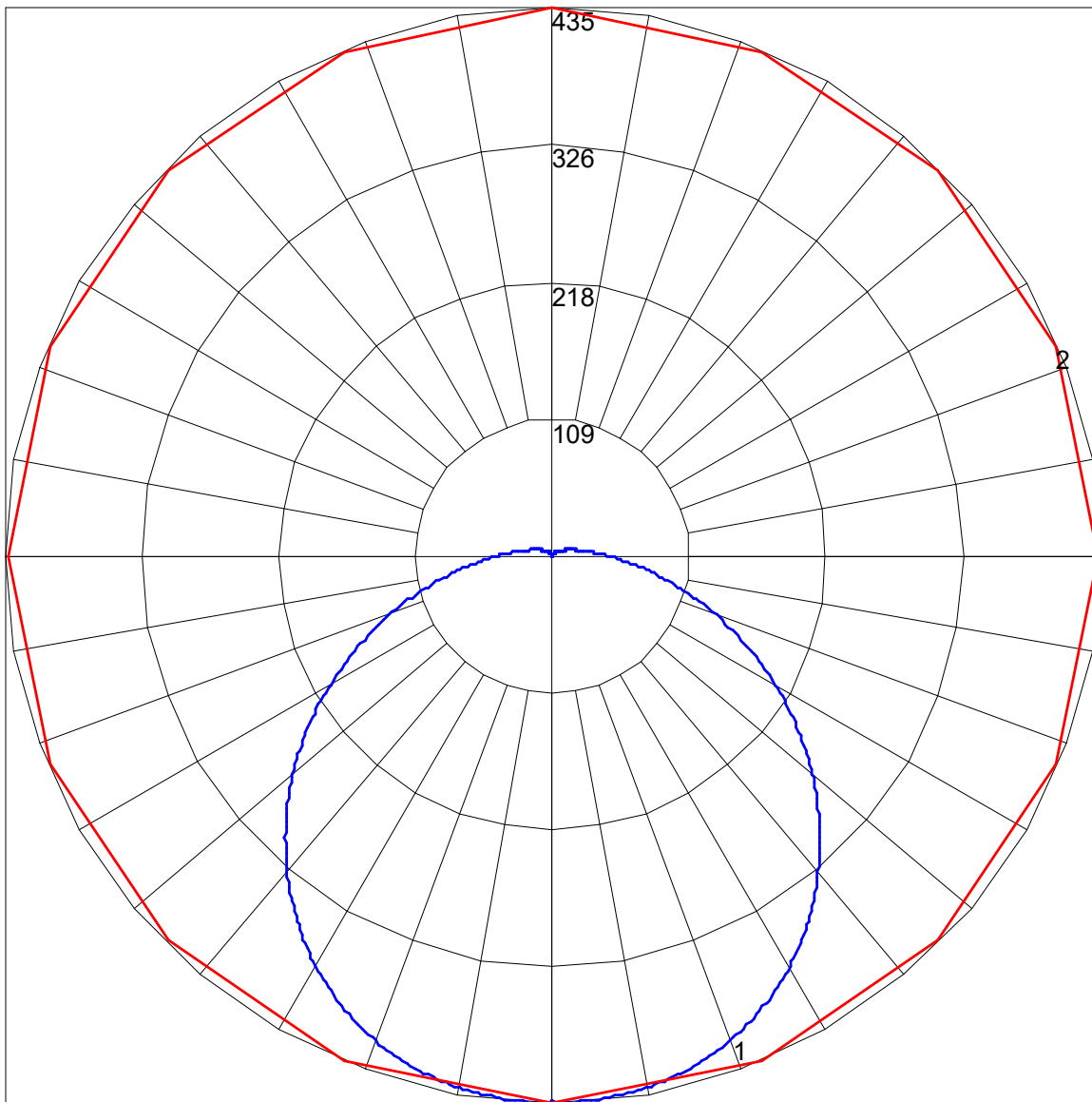
4H	2H	18.3	19.7	18.8	20.1	20.6	20.0	21.4	20.5	21.8	22.3
	3H	19.8	20.9	20.3	21.4	21.9	22.2	23.4	22.7	23.8	24.3
	4H	20.3	21.3	20.8	21.8	22.3	23.3	24.3	23.8	24.8	25.3
	6H	20.6	21.5	21.1	22.0	22.5	24.2	25.1	24.8	25.6	26.2
	8H	20.6	21.5	21.2	22.0	22.5	24.7	25.5	25.2	26.1	26.6
	12H	20.7	21.4	21.2	22.0	22.5	25.2	26.0	25.7	26.5	27.1

8H	4H	20.8	21.7	21.3	22.2	22.7	23.4	24.3	24.0	24.8	25.4
	6H	21.3	22.0	21.8	22.6	23.1	24.6	25.3	25.1	25.8	26.4
	8H	21.4	22.1	22.0	22.6	23.2	25.2	25.8	25.7	26.4	26.9
	12H	21.5	22.1	22.1	22.6	23.3	25.8	26.4	26.4	26.9	27.6

12H	4H	20.9	21.7	21.5	22.3	22.8	23.4	24.2	24.0	24.7	25.3
	6H	21.5	22.1	22.1	22.7	23.3	24.6	25.2	25.2	25.8	26.4
	8H	21.7	22.3	22.3	22.8	23.5	25.3	25.8	25.8	26.4	27.0

Maximum UGR = 27.6

POLAR GRAPH



Maximum Candela = 435.099 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.)