

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 930 @300MA.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 SEL25 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 48 LED board, 3000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 300mA

[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	2230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	15.2
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	16094	14706	14516
55	13783	12881	12859
65	10926	10760	10907
75	7843	8627	8720
85	4333	6997	6872

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	272.60	N.A.	12.20
0-30	579.98	N.A.	26.00
0-40	949.20	N.A.	42.60
0-60	1659.00	N.A.	74.40
0-80	2068.39	N.A.	92.80
0-90	2150.97	N.A.	96.50
10-90	2080.6	N.A.	93.30
20-40	676.60	N.A.	30.30
20-50	1053.91	N.A.	47.30
40-70	960.51	N.A.	43.10
60-80	409.39	N.A.	18.40
70-80	158.68	N.A.	7.10
80-90	82.58	N.A.	3.70
90-110	57.11	N.A.	2.60
90-120	66.97	N.A.	3.00
90-130	72.39	N.A.	3.20
90-150	77.25	N.A.	3.50
90-180	78.61	N.A.	3.50
110-180	21.50	N.A.	1.00
0-180	2229.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.37
10-20	202.23
20-30	307.37
30-40	369.22
40-50	377.31
50-60	332.49
60-70	250.71
70-80	158.68
80-90	82.58
90-100	38.37
100-110	18.74
110-120	9.86
120-130	5.42
130-140	3.09
140-150	1.76
150-160	0.97
160-170	0.35
170-180	0.04

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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	60	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	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	19.4	20.9	19.8	21.3	21.8	21.5	23.1	21.9	23.5	23.9
	3H	20.6	22.0	21.0	22.4	22.9	23.5	24.9	24.0	25.3	25.8
	4H	20.9	22.3	21.4	22.7	23.2	24.4	25.7	24.8	26.1	26.6
	6H	21.1	22.4	21.6	22.8	23.3	25.2	26.4	25.7	26.9	27.4
	8H	21.2	22.4	21.7	22.8	23.3	25.6	26.8	26.1	27.2	27.7
	12H	21.2	22.3	21.7	22.8	23.3	26.0	27.1	26.5	27.6	28.1

UGR Viewed Endwise

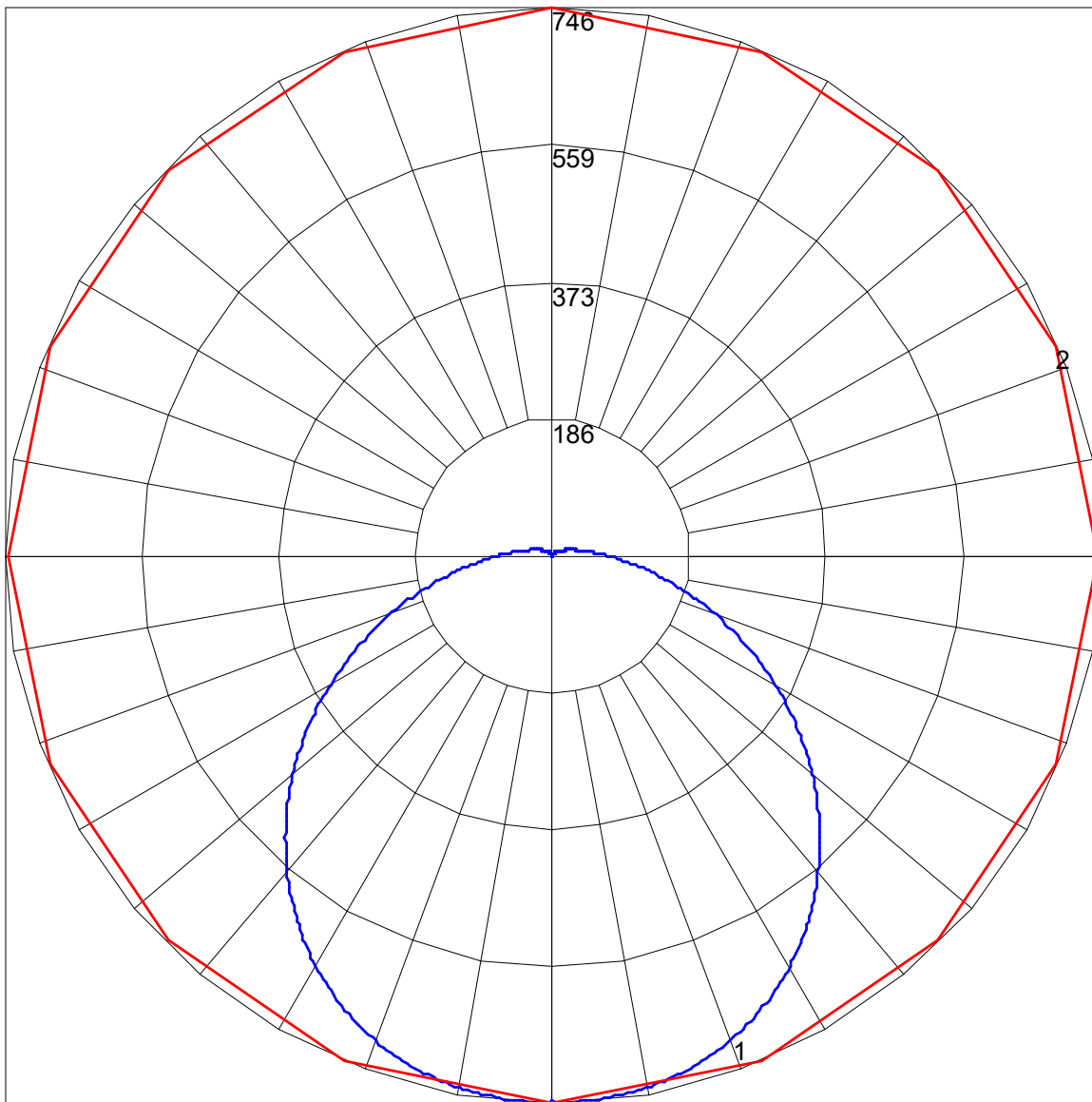
4H	2H	20.2	21.6	20.7	22.0	22.5	21.9	23.3	22.4	23.7	24.2
	3H	21.7	22.8	22.2	23.3	23.8	24.1	25.3	24.6	25.7	26.2
	4H	22.2	23.2	22.7	23.7	24.2	25.2	26.2	25.7	26.7	27.2
	6H	22.5	23.4	23.0	23.9	24.4	26.1	27.0	26.7	27.5	28.1
	8H	22.5	23.4	23.1	23.9	24.4	26.6	27.4	27.1	28.0	28.5
	12H	22.6	23.3	23.1	23.9	24.4	27.1	27.9	27.6	28.4	29.0

8H	4H	22.7	23.6	23.2	24.1	24.6	25.3	26.2	25.9	26.7	27.3
	6H	23.2	23.9	23.7	24.5	25.0	26.5	27.2	27.0	27.7	28.3
	8H	23.3	24.0	23.9	24.5	25.1	27.1	27.7	27.6	28.3	28.8
	12H	23.4	24.0	24.0	24.5	25.2	27.7	28.3	28.3	28.8	29.5

12H	4H	22.8	23.6	23.4	24.2	24.7	25.3	26.1	25.9	26.6	27.2
	6H	23.4	24.0	24.0	24.6	25.2	26.5	27.1	27.1	27.7	28.3
	8H	23.6	24.2	24.2	24.7	25.4	27.2	27.7	27.7	28.3	28.9

Maximum UGR = 29.5

POLAR GRAPH



Maximum Candela = 745.843 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.)