



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL25 UV FR 930 @350MA.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 350mA

[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	2588
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	17.8
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	18681	17070	16849
55	15998	14951	14926
65	12682	12489	12660
75	9104	10014	10121
85	5030	8121	7976

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	316.42	N.A.	12.20
0-30	673.20	N.A.	26.00
0-40	1101.77	N.A.	42.60
0-60	1925.66	N.A.	74.40
0-80	2400.85	N.A.	92.80
0-90	2496.7	N.A.	96.50
10-90	2415.02	N.A.	93.30
20-40	785.35	N.A.	30.30
20-50	1223.31	N.A.	47.30
40-70	1114.9	N.A.	43.10
60-80	475.19	N.A.	18.40
70-80	184.18	N.A.	7.10
80-90	95.85	N.A.	3.70
90-110	66.29	N.A.	2.60
90-120	77.74	N.A.	3.00
90-130	84.03	N.A.	3.20
90-150	89.66	N.A.	3.50
90-180	91.25	N.A.	3.50
110-180	24.96	N.A.	1.00
0-180	2587.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.68
10-20	234.73
20-30	356.78
30-40	428.57
40-50	437.96
50-60	385.93
60-70	291.01
70-80	184.18
80-90	95.85
90-100	44.54
100-110	21.75
110-120	11.45
120-130	6.29
130-140	3.59
140-150	2.04
150-160	1.13
160-170	0.41
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	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	41	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

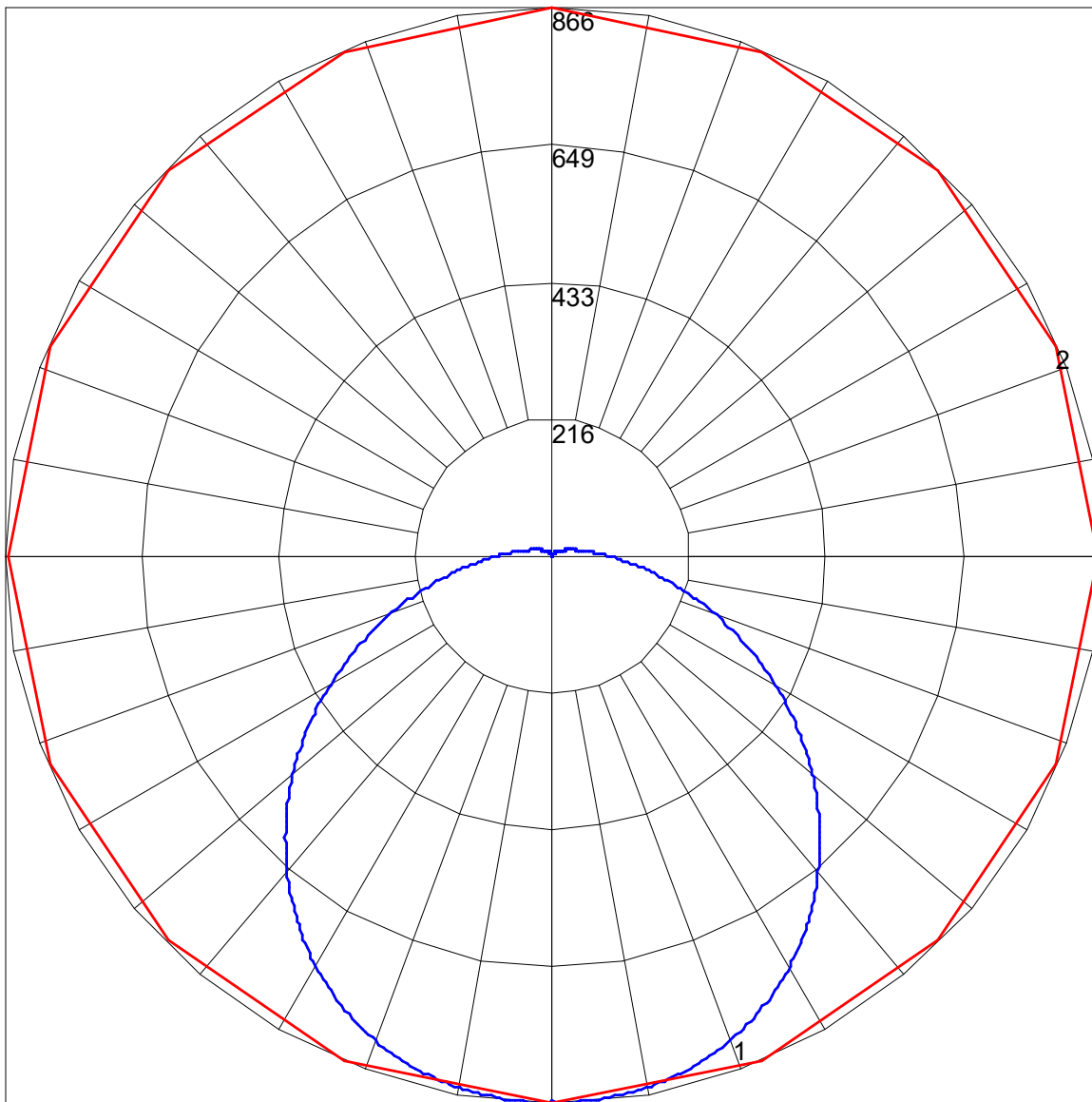
X=2H	Y=2H	19.9	21.4	20.3	21.8	22.3	22.0	23.6	22.4	24.0	24.4
	3H	21.1	22.5	21.5	22.9	23.4	24.0	25.4	24.5	25.8	26.3
	4H	21.4	22.8	21.9	23.2	23.7	24.9	26.2	25.3	26.6	27.1
	6H	21.6	22.9	22.1	23.3	23.8	25.7	26.9	26.2	27.4	27.9
	8H	21.7	22.9	22.2	23.3	23.8	26.1	27.3	26.6	27.7	28.2
	12H	21.7	22.8	22.2	23.3	23.8	26.5	27.6	27.0	28.1	28.6

UGR Viewed Endwise

4H	2H	20.7	22.1	21.2	22.5	23.0	22.4	23.8	22.9	24.2	24.7
	3H	22.2	23.3	22.7	23.8	24.3	24.6	25.8	25.1	26.2	26.7
	4H	22.7	23.7	23.2	24.2	24.7	25.7	26.7	26.2	27.2	27.7
	6H	23.0	23.9	23.5	24.4	24.9	26.6	27.5	27.2	28.0	28.6
	8H	23.0	23.9	23.6	24.4	24.9	27.1	27.9	27.6	28.5	29.0
	12H	23.1	23.8	23.6	24.4	24.9	27.6	28.4	28.1	28.9	29.5
8H	4H	23.2	24.1	23.7	24.6	25.1	25.8	26.7	26.4	27.2	27.8
	6H	23.7	24.4	24.2	25.0	25.5	27.0	27.7	27.5	28.2	28.8
	8H	23.8	24.5	24.4	25.0	25.6	27.6	28.2	28.1	28.8	29.3
	12H	23.9	24.5	24.5	25.0	25.7	28.2	28.8	28.8	29.3	30.0
12H	4H	23.3	24.1	23.9	24.6	25.2	25.8	26.6	26.4	27.1	27.7
	6H	23.9	24.5	24.5	25.1	25.7	27.0	27.6	27.6	28.2	28.8
	8H	24.1	24.7	24.7	25.2	25.9	27.7	28.2	28.2	28.8	29.4

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 865.724 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.)