



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL15 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 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 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	1906
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	14.1
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)	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	13761	12574	12411
55	11785	11014	10995
65	9342	9200	9325
75	6706	7376	7456
85	3705	5982	5876

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	233.08	N.A.	12.20
0-30	495.89	N.A.	26.00
0-40	811.59	N.A.	42.60
0-60	1418.48	N.A.	74.40
0-80	1768.52	N.A.	92.80
0-90	1839.13	N.A.	96.50
10-90	1778.95	N.A.	93.30
20-40	578.51	N.A.	30.30
20-50	901.12	N.A.	47.30
40-70	821.26	N.A.	43.10
60-80	350.04	N.A.	18.40
70-80	135.67	N.A.	7.10
80-90	70.61	N.A.	3.70
90-110	48.83	N.A.	2.60
90-120	57.26	N.A.	3.00
90-130	61.90	N.A.	3.20
90-150	66.05	N.A.	3.50
90-180	67.21	N.A.	3.50
110-180	18.38	N.A.	1.00
0-180	1906.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.17
10-20	172.91
20-30	262.81
30-40	315.69
40-50	322.61
50-60	284.28
60-70	214.36
70-80	135.67
80-90	70.61
90-100	32.81
100-110	16.02
110-120	8.43
120-130	4.63
130-140	2.65
140-150	1.51
150-160	0.83
160-170	0.30
170-180	0.03

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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	100	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	65	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	18.8	20.3	19.2	20.7	21.2	20.9	22.5	21.3	22.9	23.3
	3H	20.0	21.4	20.4	21.8	22.3	22.9	24.3	23.3	24.7	25.2
	4H	20.3	21.7	20.8	22.1	22.6	23.8	25.1	24.2	25.5	26.0
	6H	20.5	21.8	21.0	22.2	22.7	24.6	25.8	25.1	26.3	26.8
	8H	20.6	21.8	21.1	22.2	22.7	25.0	26.1	25.5	26.6	27.1
	12H	20.6	21.7	21.1	22.2	22.7	25.4	26.5	25.9	27.0	27.5

UGR Viewed Endwise

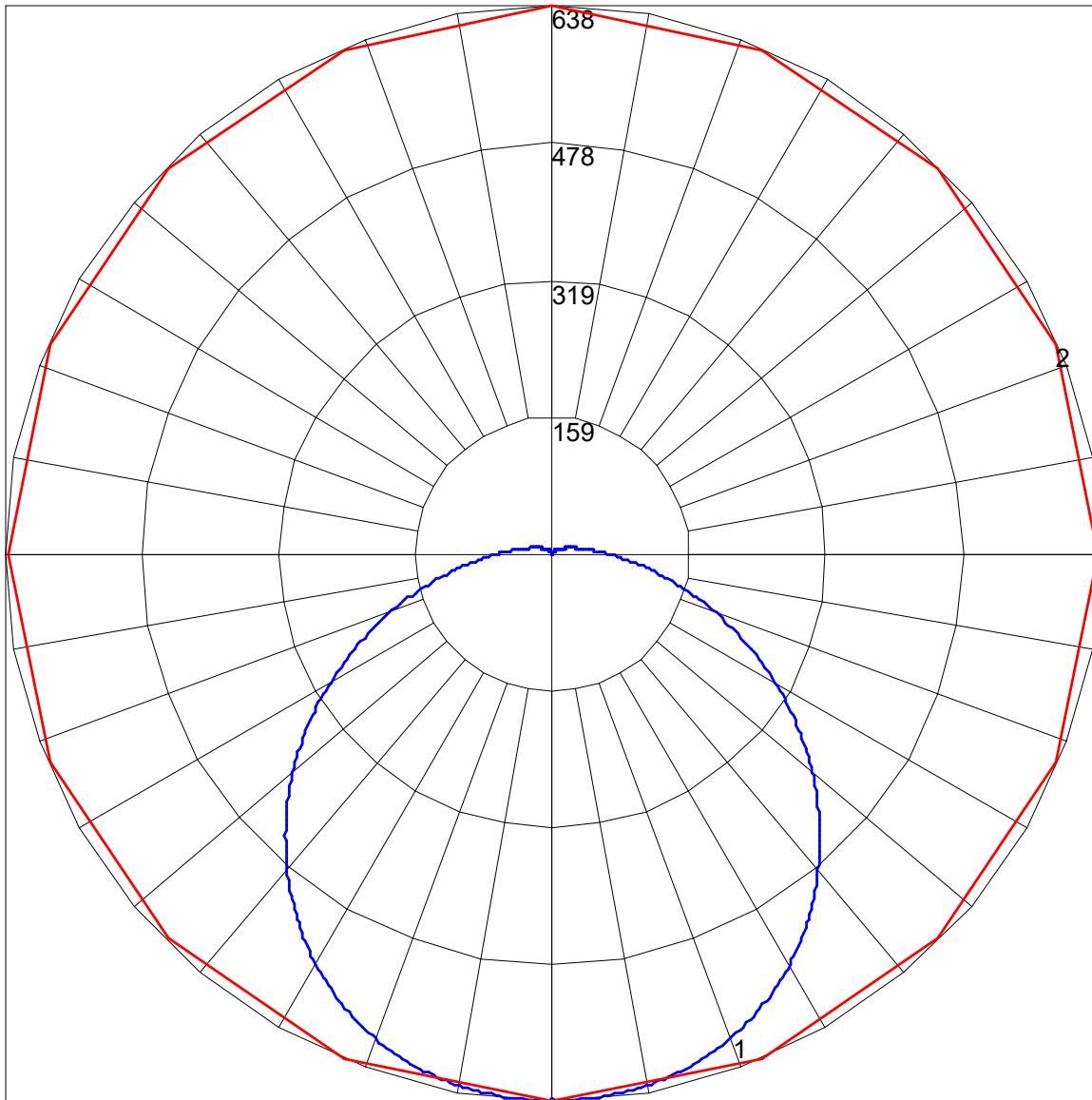
4H	2H	19.6	21.0	20.1	21.4	21.9	21.3	22.7	21.8	23.1	23.6
	3H	21.1	22.2	21.6	22.7	23.2	23.5	24.7	24.0	25.1	25.6
	4H	21.6	22.6	22.1	23.1	23.6	24.6	25.6	25.0	26.1	26.6
	6H	21.9	22.8	22.4	23.3	23.8	25.5	26.4	26.1	26.9	27.5
	8H	21.9	22.8	22.5	23.3	23.8	26.0	26.8	26.5	27.4	27.9
	12H	22.0	22.7	22.5	23.3	23.8	26.5	27.3	27.0	27.8	28.4

8H	4H	22.1	23.0	22.6	23.5	24.0	24.7	25.6	25.3	26.1	26.7
	6H	22.6	23.3	23.1	23.8	24.4	25.9	26.6	26.4	27.1	27.7
	8H	22.7	23.4	23.3	23.9	24.5	26.4	27.1	27.0	27.7	28.2
	12H	22.8	23.4	23.4	23.9	24.6	27.1	27.7	27.7	28.2	28.9

12H	4H	22.2	23.0	22.8	23.5	24.1	24.7	25.5	25.3	26.0	26.6
	6H	22.8	23.4	23.4	24.0	24.6	25.9	26.5	26.5	27.1	27.7
	8H	23.0	23.6	23.6	24.1	24.8	26.6	27.1	27.1	27.7	28.3

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 637.712 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.)