



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 SEL15 UV FR 940 @270MA.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 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 28 LED board, 4000K

[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	1781
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	12.6
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	12853	11744	11592
55	11007	10287	10269
65	8725	8593	8710
75	6264	6890	6964
85	3461	5588	5488

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	217.70	N.A.	12.20
0-30	463.16	N.A.	26.00
0-40	758.02	N.A.	42.60
0-60	1324.86	N.A.	74.40
0-80	1651.8	N.A.	92.80
0-90	1717.74	N.A.	96.50
10-90	1661.54	N.A.	93.30
20-40	540.32	N.A.	30.30
20-50	841.64	N.A.	47.30
40-70	767.06	N.A.	43.10
60-80	326.94	N.A.	18.40
70-80	126.72	N.A.	7.10
80-90	65.95	N.A.	3.70
90-110	45.61	N.A.	2.60
90-120	53.48	N.A.	3.00
90-130	57.81	N.A.	3.20
90-150	61.69	N.A.	3.50
90-180	62.78	N.A.	3.50
110-180	17.17	N.A.	1.00
0-180	1780.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.20
10-20	161.50
20-30	245.47
30-40	294.86
40-50	301.32
50-60	265.52
60-70	200.22
70-80	126.72
80-90	65.95
90-100	30.64
100-110	14.97
110-120	7.88
120-130	4.33
130-140	2.47
140-150	1.41
150-160	0.78
160-170	0.28
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	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	18.6	20.1	19.0	20.5	21.0	20.7	22.3	21.1	22.7	23.1
	3H	19.8	21.2	20.2	21.6	22.1	22.7	24.1	23.2	24.5	25.0
	4H	20.1	21.5	20.6	21.9	22.4	23.6	24.9	24.0	25.3	25.8
	6H	20.3	21.6	20.8	22.0	22.5	24.4	25.6	24.9	26.1	26.6
	8H	20.4	21.6	20.9	22.0	22.5	24.8	25.9	25.3	26.4	26.9
	12H	20.4	21.5	20.9	22.0	22.5	25.2	26.3	25.7	26.8	27.3

UGR Viewed Endwise

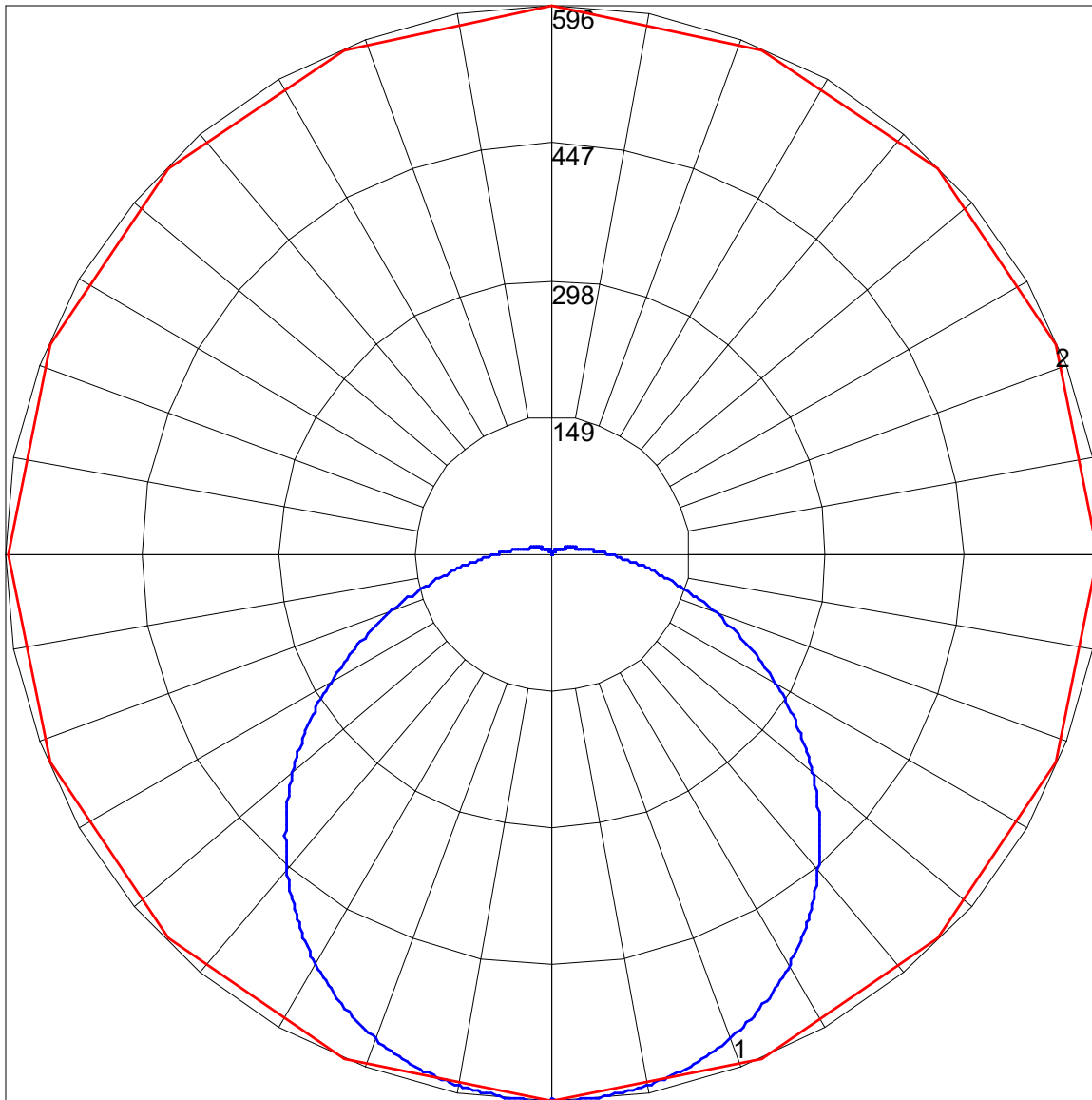
4H	2H	19.4	20.8	19.9	21.2	21.7	21.1	22.5	21.6	22.9	23.4
	3H	20.9	22.0	21.4	22.5	23.0	23.3	24.5	23.8	24.9	25.4
	4H	21.4	22.4	21.9	22.9	23.4	24.4	25.4	24.8	25.9	26.4
	6H	21.7	22.6	22.2	23.1	23.6	25.3	26.2	25.9	26.7	27.3
	8H	21.7	22.6	22.3	23.1	23.6	25.8	26.6	26.3	27.2	27.7
	12H	21.8	22.5	22.3	23.1	23.6	26.3	27.1	26.8	27.6	28.2

8H	4H	21.9	22.8	22.4	23.3	23.8	24.5	25.4	25.1	25.9	26.5
	6H	22.4	23.1	22.9	23.6	24.2	25.7	26.4	26.2	26.9	27.5
	8H	22.5	23.2	23.1	23.7	24.3	26.2	26.9	26.8	27.5	28.0
	12H	22.6	23.2	23.2	23.7	24.4	26.9	27.5	27.5	28.0	28.7

12H	4H	22.0	22.8	22.6	23.3	23.9	24.5	25.3	25.1	25.8	26.4
	6H	22.6	23.2	23.2	23.8	24.4	25.7	26.3	26.3	26.9	27.5
	8H	22.8	23.4	23.4	23.9	24.6	26.4	26.9	26.9	27.5	28.1

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 595.623 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.)