



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 8 SEL35 UV FR 935 @650MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 8 SEL35 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3500K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 650mA

[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	4865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	31
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)	7.67 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	9533	8482	8223
55	8304	7495	7283
65	6690	6296	6111
75	4913	5039	4788
85	2981	4093	3630

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Zone	Lumens	%Lamp	%Fixt
0-20	596.48	N.A.	12.30
0-30	1268.34	N.A.	26.10
0-40	2076.59	N.A.	42.70
0-60	3639.55	N.A.	74.80
0-80	4534.5	N.A.	93.20
0-90	4708.93	N.A.	96.80
10-90	4554.86	N.A.	93.60
20-40	1480.11	N.A.	30.40
20-50	2309.61	N.A.	47.50
40-70	2114.21	N.A.	43.50
60-80	894.94	N.A.	18.40
70-80	343.70	N.A.	7.10
80-90	174.44	N.A.	3.60
90-110	117.18	N.A.	2.40
90-120	136.79	N.A.	2.80
90-130	147.16	N.A.	3.00
90-150	154.94	N.A.	3.20
90-180	156.30	N.A.	3.20
110-180	39.12	N.A.	0.80
0-180	4865.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.08
10-20	442.40
20-30	671.86
30-40	808.25
40-50	829.51
50-60	733.46
60-70	551.24
70-80	343.70
80-90	174.44
90-100	79.09
100-110	38.09
110-120	19.61
120-130	10.37
130-140	5.31
140-150	2.47
150-160	1.06
160-170	0.30
170-180	0.00

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Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	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	17.6	19.2	18.0	19.6	20.0	19.7	21.3	20.1	21.6	22.0
	3H	18.8	20.3	19.3	20.7	21.1	21.7	23.1	22.1	23.5	23.9
	4H	19.2	20.5	19.6	20.9	21.4	22.5	23.9	23.0	24.3	24.7
	6H	19.4	20.6	19.8	21.1	21.5	23.3	24.6	23.8	25.0	25.5
	8H	19.4	20.6	19.9	21.1	21.5	23.7	24.9	24.1	25.3	25.8
	12H	19.4	20.6	19.9	21.0	21.5	24.1	25.2	24.6	25.7	26.2

UGR Viewed Endwise

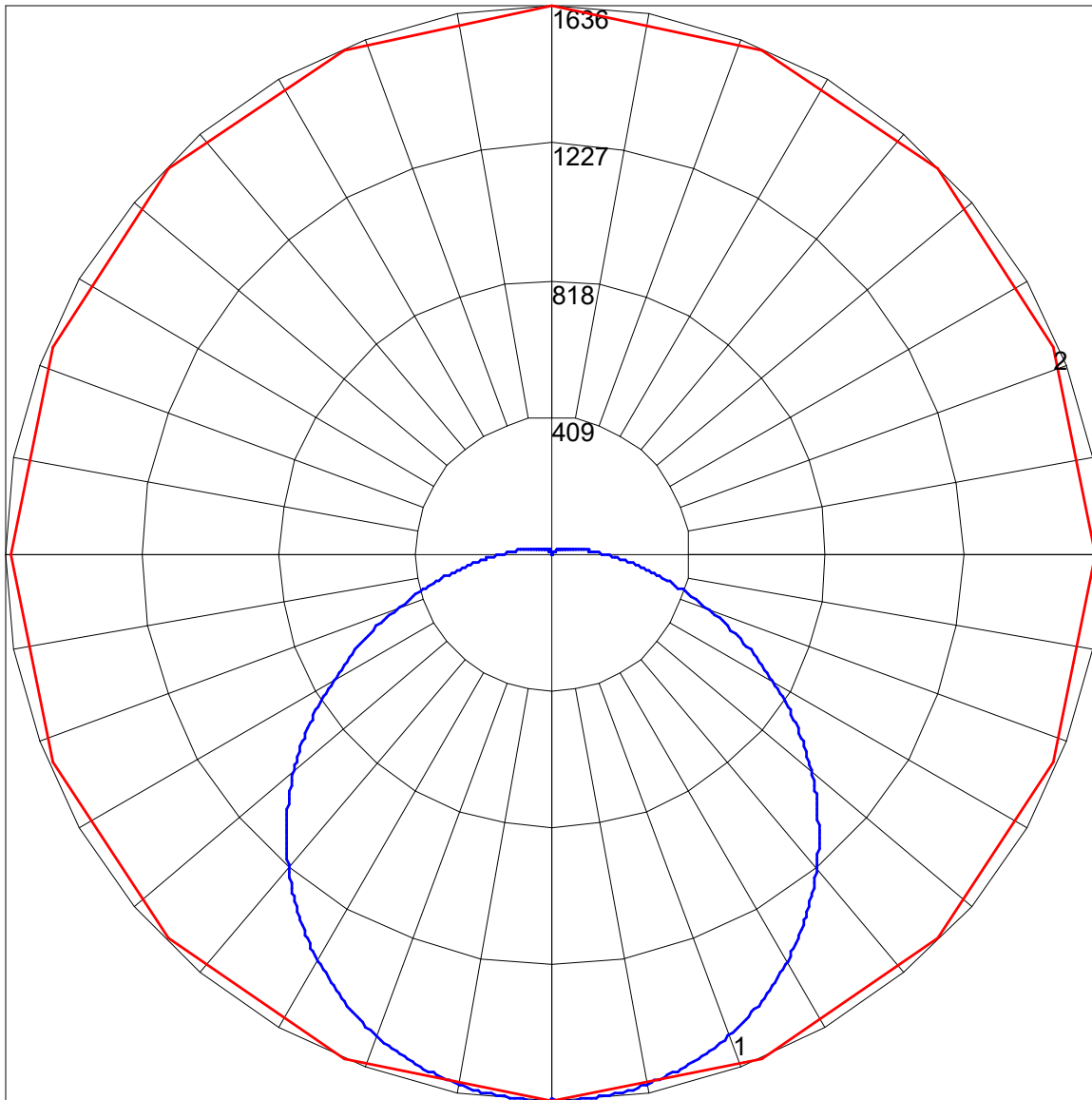
4H	2H	18.5	19.8	18.9	20.2	20.7	20.1	21.4	20.5	21.8	22.3
	3H	19.9	21.1	20.4	21.5	22.0	22.3	23.4	22.7	23.9	24.4
	4H	20.4	21.4	20.9	21.9	22.4	23.3	24.3	23.8	24.8	25.3
	6H	20.7	21.6	21.2	22.1	22.6	24.2	25.2	24.7	25.7	26.2
	8H	20.7	21.6	21.2	22.1	22.6	24.7	25.6	25.2	26.1	26.6
	12H	20.8	21.6	21.3	22.1	22.6	25.2	26.0	25.7	26.5	27.1

8H	4H	20.9	21.8	21.4	22.3	22.8	23.5	24.3	24.0	24.8	25.4
	6H	21.4	22.1	21.9	22.7	23.2	24.6	25.3	25.1	25.8	26.4
	8H	21.5	22.2	22.1	22.7	23.3	25.1	25.8	25.7	26.4	26.9
	12H	21.6	22.2	22.2	22.7	23.4	25.8	26.4	26.3	26.9	27.5

12H	4H	21.0	21.8	21.6	22.4	22.9	23.5	24.2	24.0	24.8	25.3
	6H	21.6	22.2	22.1	22.8	23.4	24.6	25.3	25.2	25.8	26.4
	8H	21.8	22.4	22.4	22.9	23.6	25.2	25.8	25.8	26.4	27.0

Maximum UGR = 27.5

POLAR GRAPH



Maximum Candela = 1636.295 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.)