

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P566267

Luminaire Tested: **4SNX-31SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-31SL-SLW-UNV-L935-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

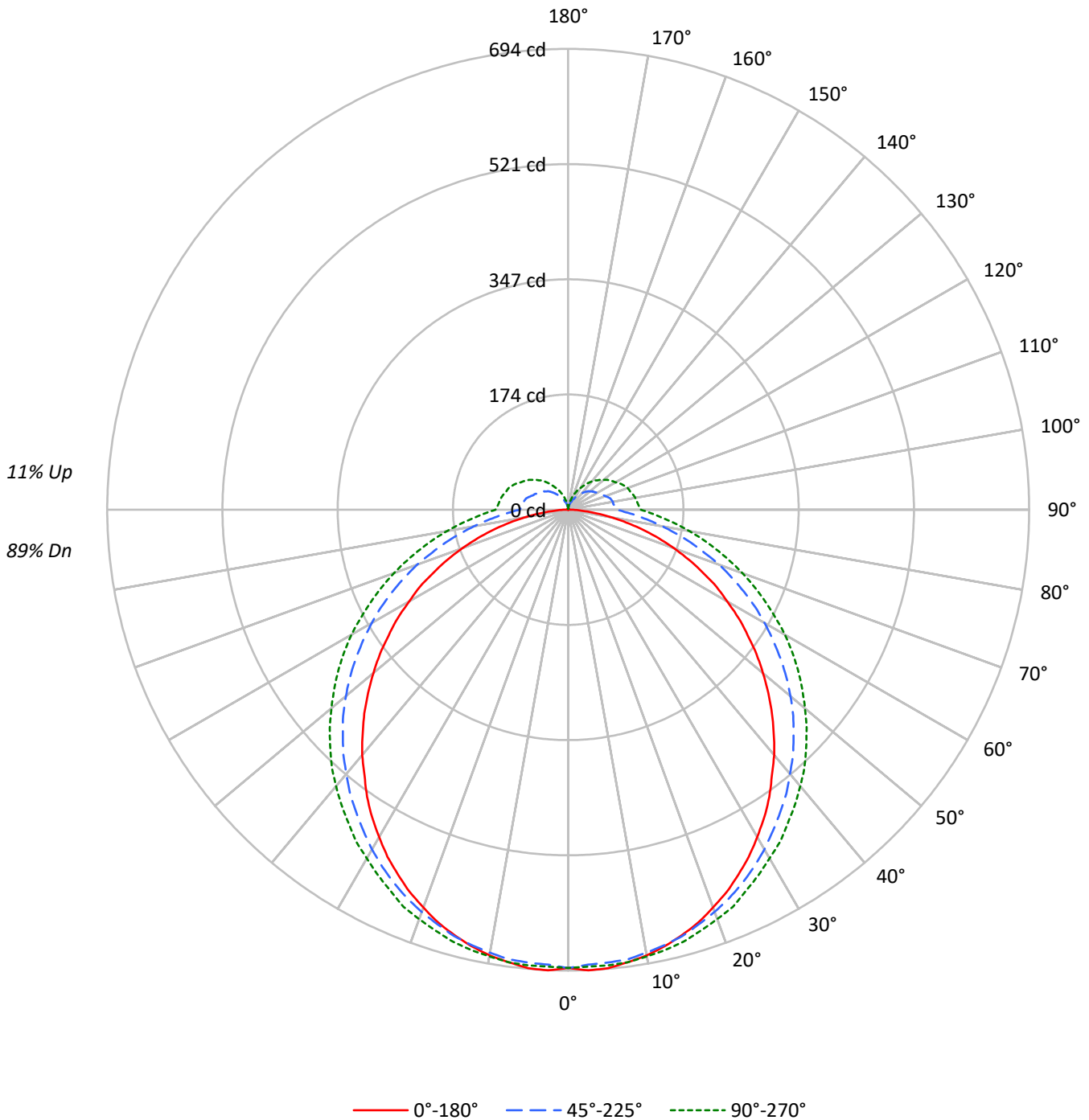
Lumens per Lamp: N/A
Luminaire Lumens: 2457.0 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 19.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7429	7429	7429
5°	7474	7238	7232
10°	7423	7092	7053
15°	7348	6942	6888
20°	7248	6769	6704
25°	7131	6601	6513
30°	6991	6417	6323
35°	6837	6224	6144
40°	6662	6035	5974
45°	6472	5843	5790
50°	6256	5640	5583
55°	6016	5395	5380
60°	5738	5134	5154
65°	5448	4840	4869
70°	5041	4517	4590
75°	4505	4107	4281
80°	3633	3689	3978
85°	2556	3332	3665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	2.7
10°-20°	188.4	7.7
20°-30°	286.5	11.7
30°-40°	347.8	14.2
40°-50°	367.5	15.0
50°-60°	343.9	14.0
60°-70°	282.2	11.5
70°-80°	194.1	7.9
80°-90°	106.3	4.3
90°-100°	68.4	2.8
100°-110°	61.4	2.5
110°-120°	50.8	2.1
120°-130°	39.1	1.6
130°-140°	27.5	1.1
140°-150°	16.6	0.7
150°-160°	7.9	0.3
160°-170°	2.6	0.1
170°-180°	0.3	0.0
0°-30°	540.5	22.0
0°-40°	888.3	36.2
0°-60°	1599.7	65.1
0°-90°	2182.2	88.8
90°-120°	180.7	7.4
90°-150°	263.9	10.7
90°-180°	275.0	11.2
0°-180°	2457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	690	690	690	690	690	
5°	693	692	684	690	689	66
15°	663	666	665	673	673	187
25°	606	613	620	633	633	279
35°	528	541	556	572	576	330
45°	434	454	480	501	507	335
55°	330	357	390	414	423	295
65°	223	253	292	319	327	221
75°	117	148	191	221	230	123
85°	26	61	104	132	142	30
90°	0	34	73	100	110	2
95°	0	33	70	95	105	0
105°	0	27	66	90	98	1
115°	1	24	56	80	90	1
125°	1	20	47	68	77	1
135°	1	16	38	56	63	1
145°	1	11	27	43	47	1
155°	1	7	17	27	31	1
165°	1	4	8	13	16	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.2	690.2	690.2	690.2	690.2
2.5°	694.4	693.0	685.9	691.6	688.8
5°	693.0	691.6	684.5	690.2	688.8
7.5°	687.3	687.3	683.1	688.8	687.3
10°	681.6	681.6	677.4	684.5	683.1
12.5°	673.1	674.5	671.7	680.2	678.8
15°	663.1	666.0	664.6	673.1	673.1
17.5°	651.8	654.6	654.6	664.6	664.6
20°	637.5	641.8	644.6	656.0	656.0
22.5°	623.3	629.0	633.3	643.2	647.5
25°	606.2	613.3	620.4	633.3	633.3
27.5°	589.1	597.7	606.2	619.0	620.4
30°	569.2	579.2	590.6	603.4	606.2
32.5°	549.3	562.1	573.5	589.1	593.4
35°	527.9	540.8	556.4	572.1	576.3
37.5°	503.8	519.4	539.3	556.4	560.7
40°	482.4	499.5	519.4	539.3	543.6
42.5°	458.2	476.7	500.9	519.4	526.5
45°	434.0	454.0	479.6	500.9	506.6
47.5°	408.4	431.2	459.6	479.6	486.7
50°	382.8	407.0	436.9	459.6	465.3
52.5°	357.2	382.8	414.1	436.9	444.0
55°	330.1	357.2	389.9	414.1	422.6
57.5°	304.5	331.6	365.7	391.3	399.9
60°	276.1	307.4	341.5	367.1	377.1
62.5°	251.9	280.3	317.3	343.0	351.5
65°	223.4	253.3	291.7	318.8	327.3
67.5°	196.4	227.7	266.1	294.6	303.1
70°	169.3	200.6	241.9	269.0	278.9
72.5°	142.3	175.0	214.9	244.8	254.7
75°	116.7	148.0	190.7	220.6	230.5
77.5°	89.7	123.8	166.5	196.4	207.8
80°	65.5	101.0	143.7	173.6	185.0
82.5°	44.1	79.7	122.4	152.3	163.7
85°	25.6	61.2	103.9	132.3	142.3
87.5°	12.8	47.0	86.8	115.3	125.2
90°	0.0	34.2	72.6	99.6	109.6
92.5°	0.0	32.7	71.2	96.8	106.7
95°	0.0	32.7	69.7	95.3	105.3
97.5°	0.0	31.3	68.3	95.3	103.9
100°	0.0	29.9	68.3	93.9	102.5
102.5°	0.0	28.5	66.9	92.5	101.0
105°	0.0	27.0	65.5	89.7	98.2
107.5°	1.4	27.0	62.6	88.2	96.8
110°	1.4	25.6	59.8	86.8	95.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	24.2	56.9	84.0	92.5
115°	1.4	24.2	55.5	79.7	89.7
117.5°	1.4	22.8	52.7	76.8	86.8
120°	1.4	22.8	51.2	74.0	82.5
122.5°	1.4	21.3	48.4	71.2	79.7
125°	1.4	19.9	47.0	68.3	76.8
127.5°	1.4	18.5	45.5	65.5	74.0
130°	1.4	17.1	42.7	62.6	69.7
132.5°	1.4	17.1	41.3	58.3	66.9
135°	1.4	15.7	38.4	55.5	62.6
137.5°	1.4	14.2	35.6	52.7	59.8
140°	1.4	12.8	32.7	49.8	55.5
142.5°	1.4	12.8	29.9	45.5	51.2
145°	1.4	11.4	27.0	42.7	47.0
147.5°	1.4	10.0	24.2	38.4	42.7
150°	1.4	10.0	21.3	34.2	38.4
152.5°	1.4	8.5	18.5	31.3	35.6
155°	1.4	7.1	17.1	27.0	31.3
157.5°	1.4	7.1	14.2	22.8	27.0
160°	1.4	5.7	12.8	18.5	22.8
162.5°	1.4	5.7	11.4	15.7	19.9
165°	1.4	4.3	8.5	12.8	15.7
167.5°	1.4	4.3	7.1	10.0	12.8
170°	1.4	2.8	5.7	7.1	10.0
172.5°	1.4	2.8	4.3	4.3	4.3
175°	1.4	1.4	2.8	2.8	1.4
177.5°	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)