

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: P566168

Luminaire Tested: **4SNX-22SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566168  
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-22SL-SLW-UNV-L840-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

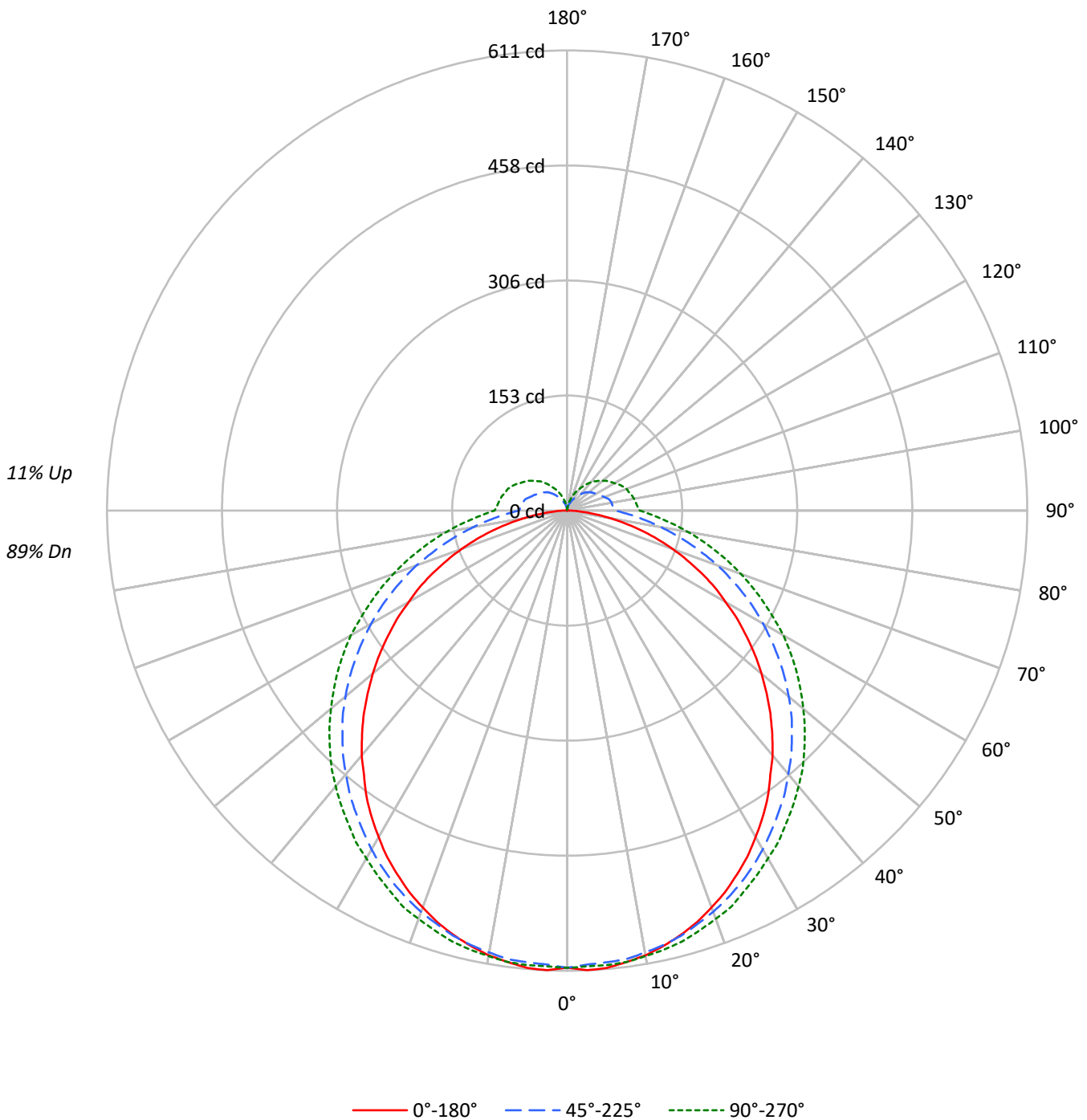
Lumens per Lamp: N/A  
Luminaire Lumens: 2161.1 lumens  
Efficiency: N/A  
Efficacy: 156.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 13.8  
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

TEST NUMBER: P566168

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L840-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566168

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L840-CD

**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°	6534	6534	6534
5°	6574	6366	6361
10°	6529	6238	6204
15°	6463	6105	6058
20°	6375	5954	5897
25°	6272	5806	5728
30°	6148	5643	5561
35°	6014	5475	5404
40°	5860	5308	5254
45°	5692	5139	5092
50°	5502	4959	4911
55°	5293	4745	4732
60°	5046	4516	4534
65°	4792	4258	4283
70°	4433	3974	4037
75°	3960	3612	3767
80°	3195	3245	3498
85°	2246	2931	3225



TEST NUMBER: P566168

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L840-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.7	2.7
10°-20°	165.7	7.7
20°-30°	252.0	11.7
30°-40°	305.9	14.2
40°-50°	323.2	15.0
50°-60°	302.5	14.0
60°-70°	248.2	11.5
70°-80°	170.7	7.9
80°-90°	93.5	4.3
90°-100°	60.2	2.8
100°-110°	54.0	2.5
110°-120°	44.7	2.1
120°-130°	34.4	1.6
130°-140°	24.2	1.1
140°-150°	14.6	0.7
150°-160°	7.0	0.3
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	475.4	22.0
0°-40°	781.3	36.2
0°-60°	1407.0	65.1
0°-90°	1919.3	88.8
90°-120°	159.0	7.4
90°-150°	232.2	10.7
90°-180°	242.0	11.2
0°-180°	2161.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	610	608	602	607	606	58
15°	583	586	584	592	592	164
25°	533	539	546	557	557	246
35°	464	476	489	503	507	290
45°	382	399	422	441	446	294
55°	290	314	343	364	372	260
65°	196	223	257	280	288	195
75°	103	130	168	194	203	108
85°	22	54	91	116	125	26
90°	0	30	64	88	96	2
95°	0	29	61	84	93	0
105°	0	24	58	79	86	1
115°	1	21	49	70	79	1
125°	1	18	41	60	68	1
135°	1	14	34	49	55	1
145°	1	10	24	38	41	1
155°	1	6	15	24	28	1
165°	1	4	8	11	14	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566168

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L840-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	607.0	607.0	607.0	607.0	607.0
2.5°	610.8	609.5	603.3	608.3	605.8
5°	609.5	608.3	602.0	607.0	605.8
7.5°	604.5	604.5	600.8	605.8	604.5
10°	599.5	599.5	595.8	602.0	600.8
12.5°	592.0	593.3	590.8	598.3	597.0
15°	583.2	585.8	584.5	592.0	592.0
17.5°	573.2	575.7	575.7	584.5	584.5
20°	560.7	564.5	567.0	577.0	577.0
22.5°	548.2	553.2	557.0	565.7	569.5
25°	533.2	539.4	545.7	557.0	557.0
27.5°	518.2	525.7	533.2	544.4	545.7
30°	500.6	509.4	519.4	530.7	533.2
32.5°	483.1	494.4	504.4	518.2	521.9
35°	464.3	475.6	489.4	503.1	506.9
37.5°	443.1	456.8	474.4	489.4	493.1
40°	424.3	439.3	456.8	474.4	478.1
42.5°	403.0	419.3	440.6	456.8	463.1
45°	381.7	399.3	421.8	440.6	445.6
47.5°	359.2	379.2	404.3	421.8	428.0
50°	336.7	358.0	384.2	404.3	409.3
52.5°	314.2	336.7	364.2	384.2	390.5
55°	290.4	314.2	342.9	364.2	371.7
57.5°	267.8	291.6	321.7	344.2	351.7
60°	242.8	270.3	300.4	322.9	331.7
62.5°	221.5	246.6	279.1	301.6	309.1
65°	196.5	222.8	256.6	280.4	287.9
67.5°	172.7	200.3	234.1	259.1	266.6
70°	148.9	176.5	212.8	236.6	245.3
72.5°	125.2	153.9	189.0	215.3	224.0
75°	102.6	130.2	167.7	194.0	202.8
77.5°	78.9	108.9	146.4	172.7	182.7
80°	57.6	88.9	126.4	152.7	162.7
82.5°	38.8	70.1	107.6	133.9	143.9
85°	22.5	53.8	91.4	116.4	125.2
87.5°	11.3	41.3	76.3	101.4	110.1
90°	0.0	30.0	63.8	87.6	96.4
92.5°	0.0	28.8	62.6	85.1	93.9
95°	0.0	28.8	61.3	83.9	92.6
97.5°	0.0	27.5	60.1	83.9	91.4
100°	0.0	26.3	60.1	82.6	90.1
102.5°	0.0	25.0	58.8	81.4	88.9
105°	0.0	23.8	57.6	78.9	86.4
107.5°	1.3	23.8	55.1	77.6	85.1
110°	1.3	22.5	52.6	76.3	83.9



TEST NUMBER: P566168

CATALOG NUMBER: 4SNX-22SL-SLW-UNV-L840-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.3	50.1	73.8	81.4
115°	1.3	21.3	48.8	70.1	78.9
117.5°	1.3	20.0	46.3	67.6	76.3
120°	1.3	20.0	45.1	65.1	72.6
122.5°	1.3	18.8	42.6	62.6	70.1
125°	1.3	17.5	41.3	60.1	67.6
127.5°	1.3	16.3	40.1	57.6	65.1
130°	1.3	15.0	37.5	55.1	61.3
132.5°	1.3	15.0	36.3	51.3	58.8
135°	1.3	13.8	33.8	48.8	55.1
137.5°	1.3	12.5	31.3	46.3	52.6
140°	1.3	11.3	28.8	43.8	48.8
142.5°	1.3	11.3	26.3	40.1	45.1
145°	1.3	10.0	23.8	37.5	41.3
147.5°	1.3	8.8	21.3	33.8	37.5
150°	1.3	8.8	18.8	30.0	33.8
152.5°	1.3	7.5	16.3	27.5	31.3
155°	1.3	6.3	15.0	23.8	27.5
157.5°	1.3	6.3	12.5	20.0	23.8
160°	1.3	5.0	11.3	16.3	20.0
162.5°	1.3	5.0	10.0	13.8	17.5
165°	1.3	3.8	7.5	11.3	13.8
167.5°	1.3	3.8	6.3	8.8	11.3
170°	1.3	2.5	5.0	6.3	8.8
172.5°	1.3	2.5	3.8	3.8	3.8
175°	1.3	1.3	2.5	2.5	1.3
177.5°	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)