

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: P565903

Luminaire Tested: **2SNX-SL3-LW-UNV-CC93-CD-5000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565903  
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: 2SNX-SL3-LW-UNV-CC93-CD-5000K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, HI LUMEN SETTING, AND LW LENS  
Light Source: -  
Ballast/Driver: -

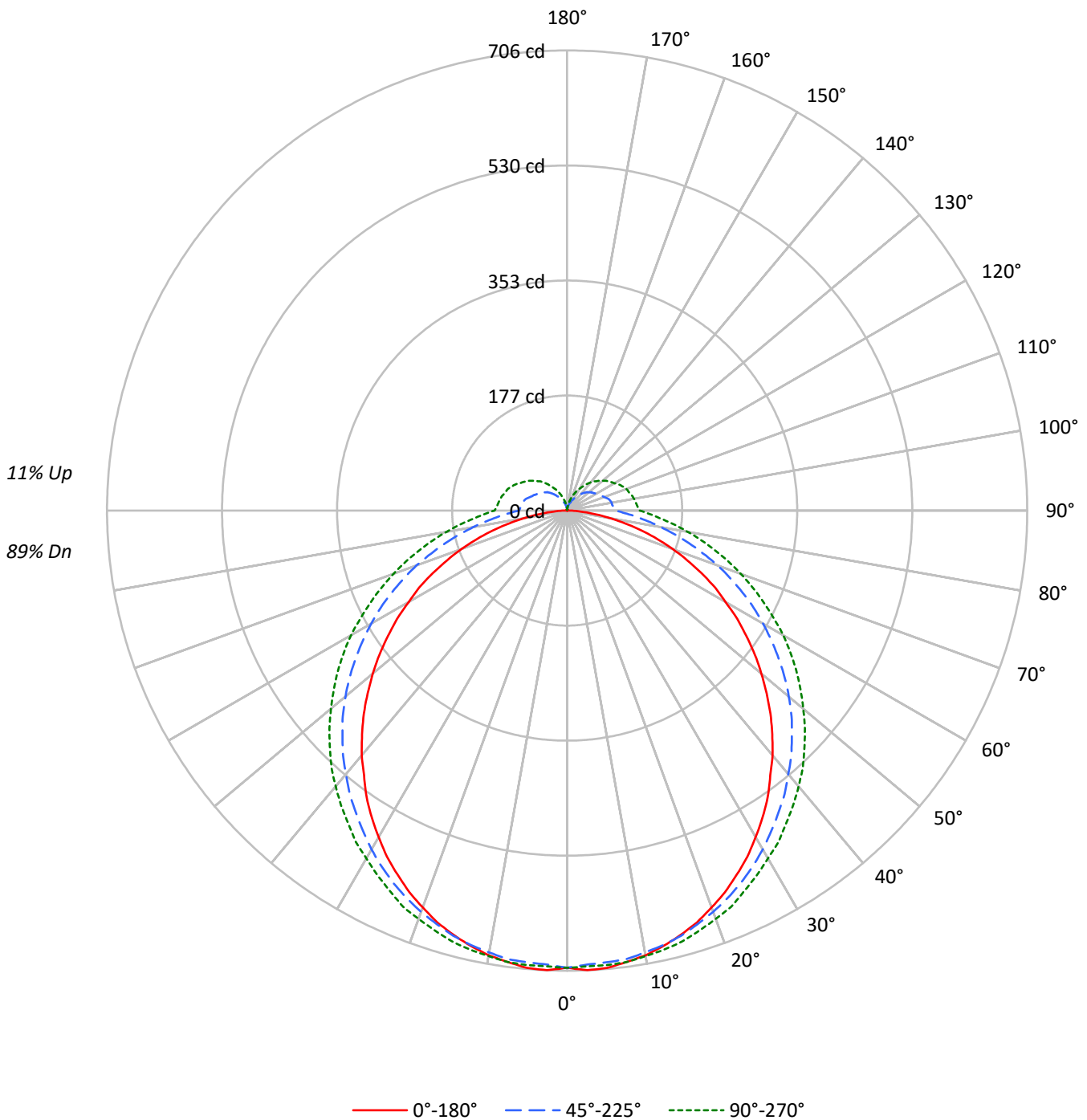
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2497.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 20.2  
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: P565903

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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	77	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°	15100	15100	15100
5°	15110	14365	14293
10°	14923	13761	13579
15°	14691	13180	12936
20°	14406	12580	12291
25°	14087	12007	11662
30°	13720	11422	11059
35°	13322	10837	10494
40°	12878	10267	9957
45°	12396	9696	9406
50°	11851	9111	8826
55°	11253	8464	8258
60°	10558	7789	7657
65°	9814	7067	6973
70°	8814	6299	6302
75°	7525	5411	5587
80°	5598	4519	4875
85°	3289	3694	4143



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.6	2.7
10°-20°	191.5	7.7
20°-30°	291.2	11.7
30°-40°	353.5	14.2
40°-50°	373.5	15.0
50°-60°	349.5	14.0
60°-70°	286.8	11.5
70°-80°	197.2	7.9
80°-90°	108.0	4.3
90°-100°	69.6	2.8
100°-110°	62.4	2.5
110°-120°	51.6	2.1
120°-130°	39.8	1.6
130°-140°	28.0	1.1
140°-150°	16.8	0.7
150°-160°	8.1	0.3
160°-170°	2.6	0.1
170°-180°	0.3	0.0
0°-30°	549.3	22.0
0°-40°	902.7	36.2
0°-60°	1625.7	65.1
0°-90°	2217.8	88.8
90°-120°	183.6	7.4
90°-150°	268.2	10.7
90°-180°	279.0	11.2
0°-180°	2497.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	701	701	701	701	701	
5°	704	703	696	701	700	67
15°	674	677	675	684	684	190
25°	616	623	630	644	644	284
35°	536	550	566	581	586	335
45°	441	461	487	509	515	340
55°	336	363	396	421	430	300
65°	227	257	296	324	333	225
75°	119	150	194	224	234	125
85°	26	62	106	134	145	30
90°	0	35	74	101	111	2
95°	0	33	71	97	107	0
105°	0	28	66	91	100	1
115°	1	25	56	81	91	1
125°	1	20	48	69	78	1
135°	1	16	39	56	64	1
145°	1	12	28	43	48	1
155°	1	7	17	28	32	1
165°	1	4	9	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°	701.4	701.4	701.4	701.4	701.4
2.5°	705.8	704.3	697.1	702.9	700.0
5°	704.3	702.9	695.6	701.4	700.0
7.5°	698.5	698.5	694.2	700.0	698.5
10°	692.7	692.7	688.4	695.6	694.2
12.5°	684.1	685.5	682.6	691.3	689.8
15°	673.9	676.8	675.4	684.1	684.1
17.5°	662.4	665.3	665.3	675.4	675.4
20°	647.9	652.2	655.1	666.7	666.7
22.5°	633.4	639.2	643.6	653.7	658.0
25°	616.1	623.3	630.5	643.6	643.6
27.5°	598.7	607.4	616.1	629.1	630.5
30°	578.5	588.6	600.2	613.2	616.1
32.5°	558.2	571.3	582.8	598.7	603.1
35°	536.5	549.6	565.5	581.4	585.7
37.5°	512.0	527.9	548.1	565.5	569.8
40°	490.3	507.6	527.9	548.1	552.5
42.5°	465.7	484.5	509.1	527.9	535.1
45°	441.1	461.3	487.4	509.1	514.9
47.5°	415.1	438.2	467.1	487.4	494.6
50°	389.0	413.6	444.0	467.1	472.9
52.5°	363.0	389.0	420.8	444.0	451.2
55°	335.5	363.0	396.3	420.8	429.5
57.5°	309.5	337.0	371.7	397.7	406.4
60°	280.6	312.4	347.1	373.1	383.2
62.5°	256.0	284.9	322.5	348.5	357.2
65°	227.1	257.4	296.5	324.0	332.6
67.5°	199.6	231.4	270.4	299.4	308.0
70°	172.1	203.9	245.9	273.3	283.5
72.5°	144.6	177.9	218.4	248.7	258.9
75°	118.6	150.4	193.8	224.2	234.3
77.5°	91.1	125.8	169.2	199.6	211.1
80°	66.5	102.7	146.1	176.4	188.0
82.5°	44.8	81.0	124.4	154.7	166.3
85°	26.0	62.2	105.6	134.5	144.6
87.5°	13.0	47.7	88.2	117.1	127.3
90°	0.0	34.7	73.8	101.2	111.4
92.5°	0.0	33.3	72.3	98.3	108.5
95°	0.0	33.3	70.9	96.9	107.0
97.5°	0.0	31.8	69.4	96.9	105.6
100°	0.0	30.4	69.4	95.5	104.1
102.5°	0.0	28.9	68.0	94.0	102.7
105°	0.0	27.5	66.5	91.1	99.8
107.5°	1.4	27.5	63.6	89.7	98.3
110°	1.4	26.0	60.7	88.2	96.9



TEST NUMBER: P565903

CATALOG NUMBER: 2SNX-SL3-LW-UNV-CC93-CD-5000K-HI

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	24.6	57.8	85.3	94.0
115°	1.4	24.6	56.4	81.0	91.1
117.5°	1.4	23.1	53.5	78.1	88.2
120°	1.4	23.1	52.1	75.2	83.9
122.5°	1.4	21.7	49.2	72.3	81.0
125°	1.4	20.2	47.7	69.4	78.1
127.5°	1.4	18.8	46.3	66.5	75.2
130°	1.4	17.4	43.4	63.6	70.9
132.5°	1.4	17.4	41.9	59.3	68.0
135°	1.4	15.9	39.0	56.4	63.6
137.5°	1.4	14.5	36.2	53.5	60.7
140°	1.4	13.0	33.3	50.6	56.4
142.5°	1.4	13.0	30.4	46.3	52.1
145°	1.4	11.6	27.5	43.4	47.7
147.5°	1.4	10.1	24.6	39.0	43.4
150°	1.4	10.1	21.7	34.7	39.0
152.5°	1.4	8.7	18.8	31.8	36.2
155°	1.4	7.2	17.4	27.5	31.8
157.5°	1.4	7.2	14.5	23.1	27.5
160°	1.4	5.8	13.0	18.8	23.1
162.5°	1.4	5.8	11.6	15.9	20.2
165°	1.4	4.3	8.7	13.0	15.9
167.5°	1.4	4.3	7.2	10.1	13.0
170°	1.4	2.9	5.8	7.2	10.1
172.5°	1.4	2.9	4.3	4.3	4.3
175°	1.4	1.4	2.9	2.9	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)