

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: P565906

Luminaire Tested: **2SNX-SL3-SLW-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565906  
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-SLW-UNV-CC83-CD-3500K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND SLW LENS  
Light Source: -  
Ballast/Driver: -

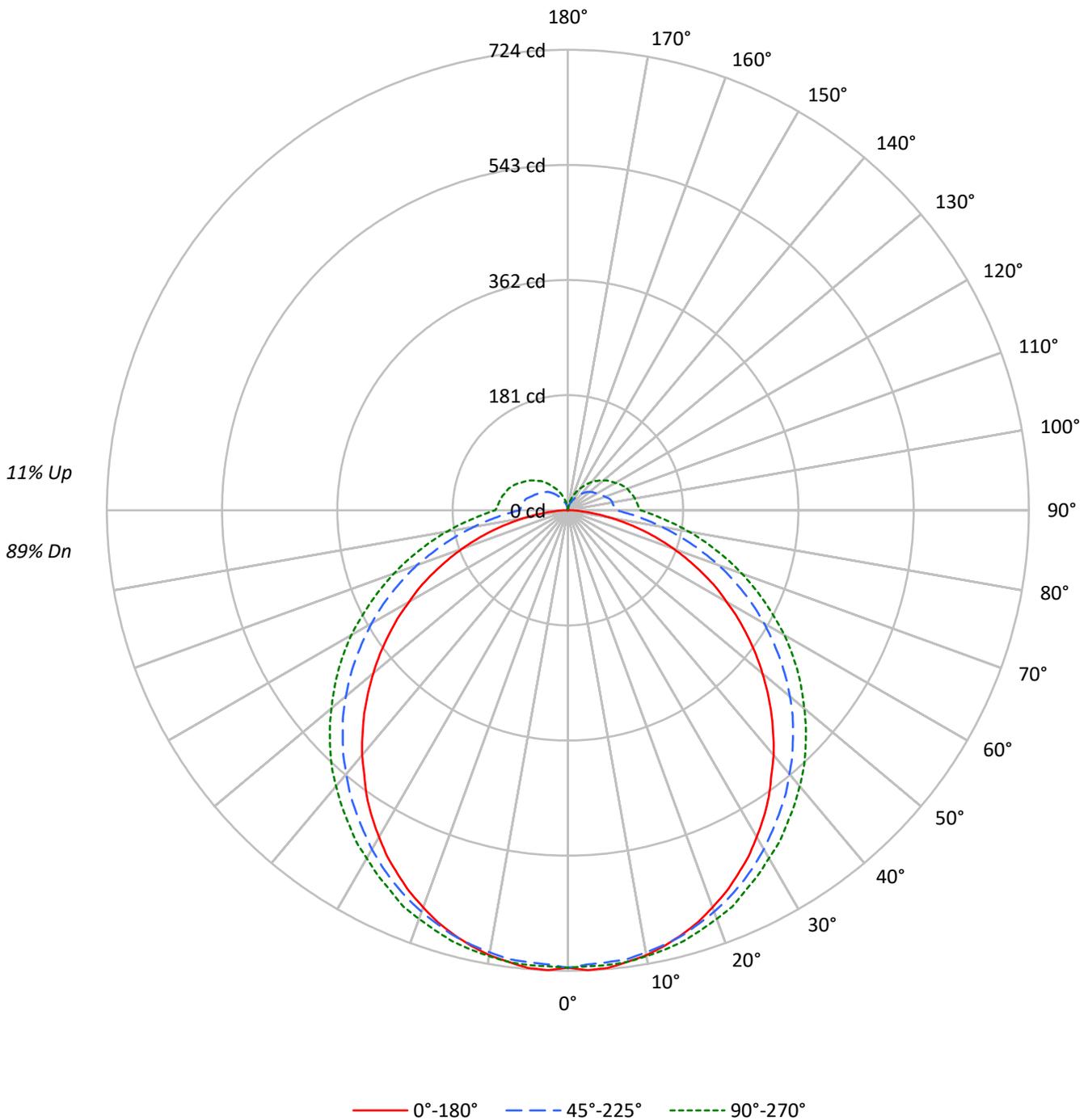
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2560.0 lumens  
Efficiency: N/A  
Efficacy: 121.9 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: 0.08')  
CIE Type: Semi-Direct  
  
Input Watts (W): 21  
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°	15481	15481	15481
5°	15548	15064	15070
10°	15412	14742	14697
15°	15229	14412	14353
20°	14992	14039	13970
25°	14718	13673	13571
30°	14398	13272	13175
35°	14049	12857	12805
40°	13649	12450	12449
45°	13219	12035	12064
50°	12727	11596	11634
55°	12189	11073	11213
60°	11552	10511	10740
65°	10890	9886	10146
70°	9967	9196	9566
75°	8758	8323	8923
80°	6844	7435	8291
85°	4473	6650	7640



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.3	2.7
10°-20°	196.3	7.7
20°-30°	298.5	11.7
30°-40°	362.4	14.2
40°-50°	382.9	15.0
50°-60°	358.3	14.0
60°-70°	294.0	11.5
70°-80°	202.2	7.9
80°-90°	110.7	4.3
90°-100°	71.3	2.8
100°-110°	64.0	2.5
110°-120°	53.0	2.1
120°-130°	40.8	1.6
130°-140°	28.7	1.1
140°-150°	17.3	0.7
150°-160°	8.3	0.3
160°-170°	2.7	0.1
170°-180°	0.3	0.0
0°-30°	563.1	22.0
0°-40°	925.5	36.2
0°-60°	1666.7	65.1
0°-90°	2273.7	88.8
90°-120°	188.3	7.4
90°-150°	275.0	10.7
90°-180°	286.0	11.2
0°-180°	2560.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	722	721	713	719	718	68
15°	691	694	692	701	701	195
25°	632	639	646	660	660	291
35°	550	563	580	596	600	344
45°	452	473	500	522	528	349
55°	344	372	406	432	440	308
65°	233	264	304	332	341	231
75°	122	154	199	230	240	128
85°	27	64	108	138	148	31
90°	0	36	76	104	114	2
95°	0	34	73	99	110	0
105°	0	28	68	93	102	1
115°	2	25	58	83	93	1
125°	2	21	49	71	80	1
135°	2	16	40	58	65	1
145°	2	12	28	44	49	1
155°	2	7	18	28	33	1
165°	2	4	9	13	16	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	719.1	719.1	719.1	719.1	719.1
2.5°	723.6	722.1	714.7	720.6	717.6
5°	722.1	720.6	713.2	719.1	717.6
7.5°	716.1	716.1	711.7	717.6	716.1
10°	710.2	710.2	705.8	713.2	711.7
12.5°	701.3	702.8	699.8	708.7	707.2
15°	690.9	693.9	692.4	701.3	701.3
17.5°	679.1	682.0	682.0	692.4	692.4
20°	664.3	668.7	671.7	683.5	683.5
22.5°	649.4	655.4	659.8	670.2	674.6
25°	631.6	639.0	646.5	659.8	659.8
27.5°	613.8	622.7	631.6	645.0	646.5
30°	593.1	603.5	615.3	628.7	631.6
32.5°	572.3	585.7	597.5	613.8	618.3
35°	550.1	563.4	579.7	596.0	600.5
37.5°	524.9	541.2	561.9	579.7	584.2
40°	502.6	520.4	541.2	561.9	566.4
42.5°	477.4	496.7	521.9	541.2	548.6
45°	452.2	473.0	499.7	521.9	527.8
47.5°	425.5	449.3	478.9	499.7	507.1
50°	398.8	424.1	455.2	478.9	484.8
52.5°	372.2	398.8	431.5	455.2	462.6
55°	344.0	372.2	406.3	431.5	440.4
57.5°	317.3	345.5	381.1	407.7	416.6
60°	287.6	320.3	355.8	382.5	392.9
62.5°	262.4	292.1	330.6	357.3	366.2
65°	232.8	263.9	304.0	332.1	341.0
67.5°	204.6	237.2	277.3	306.9	315.8
70°	176.4	209.1	252.1	280.2	290.6
72.5°	148.3	182.4	223.9	255.0	265.4
75°	121.6	154.2	198.7	229.8	240.2
77.5°	93.4	129.0	173.5	204.6	216.5
80°	68.2	105.3	149.8	180.9	192.8
82.5°	46.0	83.0	127.5	158.6	170.5
85°	26.7	63.8	108.2	137.9	148.3
87.5°	13.3	48.9	90.4	120.1	130.5
90°	0.0	35.6	75.6	103.8	114.2
92.5°	0.0	34.1	74.1	100.8	111.2
95°	0.0	34.1	72.7	99.3	109.7
97.5°	0.0	32.6	71.2	99.3	108.2
100°	0.0	31.1	71.2	97.9	106.8
102.5°	0.0	29.7	69.7	96.4	105.3
105°	0.0	28.2	68.2	93.4	102.3
107.5°	1.5	28.2	65.2	91.9	100.8
110°	1.5	26.7	62.3	90.4	99.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	25.2	59.3	87.5	96.4
115°	1.5	25.2	57.8	83.0	93.4
117.5°	1.5	23.7	54.9	80.1	90.4
120°	1.5	23.7	53.4	77.1	86.0
122.5°	1.5	22.2	50.4	74.1	83.0
125°	1.5	20.8	48.9	71.2	80.1
127.5°	1.5	19.3	47.4	68.2	77.1
130°	1.5	17.8	44.5	65.2	72.7
132.5°	1.5	17.8	43.0	60.8	69.7
135°	1.5	16.3	40.0	57.8	65.2
137.5°	1.5	14.8	37.1	54.9	62.3
140°	1.5	13.3	34.1	51.9	57.8
142.5°	1.5	13.3	31.1	47.4	53.4
145°	1.5	11.9	28.2	44.5	48.9
147.5°	1.5	10.4	25.2	40.0	44.5
150°	1.5	10.4	22.2	35.6	40.0
152.5°	1.5	8.9	19.3	32.6	37.1
155°	1.5	7.4	17.8	28.2	32.6
157.5°	1.5	7.4	14.8	23.7	28.2
160°	1.5	5.9	13.3	19.3	23.7
162.5°	1.5	5.9	11.9	16.3	20.8
165°	1.5	4.4	8.9	13.3	16.3
167.5°	1.5	4.4	7.4	10.4	13.3
170°	1.5	3.0	5.9	7.4	10.4
172.5°	1.5	3.0	4.4	4.4	4.4
175°	1.5	1.5	3.0	3.0	1.5
177.5°	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)