

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: P565915

Luminaire Tested: **2SNX-SL3-SLW-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565915  
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-CC93-CD-3500K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

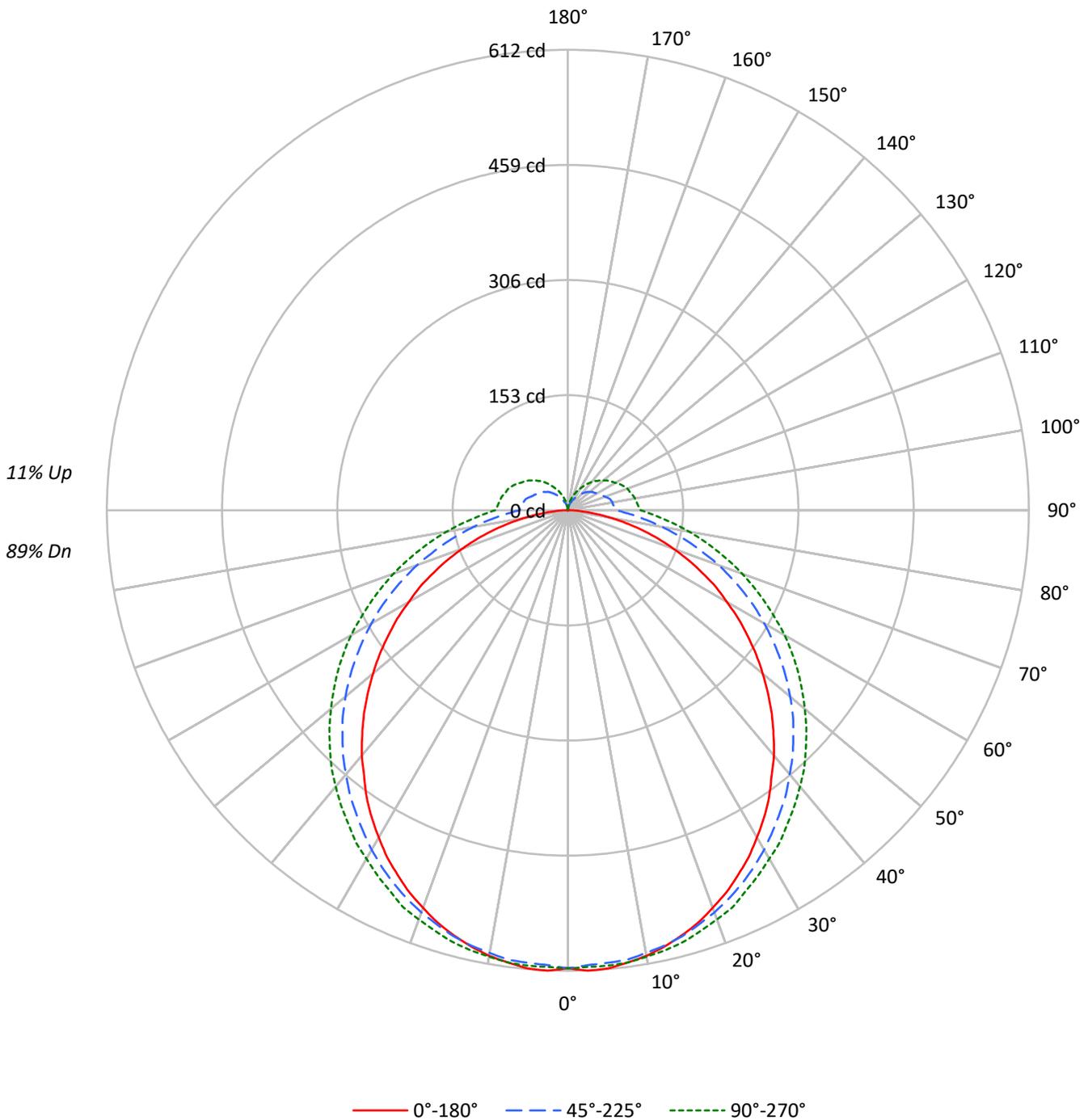
Lumens per Lamp: N/A  
Luminaire Lumens: 2167.0 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

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°	13104	13104	13104
5°	13160	12751	12758
10°	13047	12478	12440
15°	12892	12199	12151
20°	12690	11884	11826
25°	12460	11573	11488
30°	12187	11235	11154
35°	11891	10883	10839
40°	11555	10538	10537
45°	11190	10188	10212
50°	10774	9815	9848
55°	10318	9372	9492
60°	9781	8898	9092
65°	9215	8368	8590
70°	8441	7784	8098
75°	7411	7046	7552
80°	5790	6293	7018
85°	3786	5630	6465



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.8	2.7
10°-20°	166.2	7.7
20°-30°	252.7	11.7
30°-40°	306.7	14.2
40°-50°	324.1	15.0
50°-60°	303.3	14.0
60°-70°	248.9	11.5
70°-80°	171.2	7.9
80°-90°	93.7	4.3
90°-100°	60.4	2.8
100°-110°	54.2	2.5
110°-120°	44.8	2.1
120°-130°	34.5	1.6
130°-140°	24.3	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°	476.7	22.0
0°-40°	783.4	36.2
0°-60°	1410.9	65.1
0°-90°	1924.7	88.8
90°-120°	159.4	7.4
90°-150°	232.8	10.7
90°-180°	242.0	11.2
0°-180°	2167.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	609	609	609	609	609	
5°	611	610	604	609	608	58
15°	585	587	586	594	594	165
25°	535	541	547	558	558	246
35°	466	477	491	504	508	291
45°	383	400	423	442	447	295
55°	291	315	344	365	373	261
65°	197	223	257	281	289	195
75°	103	130	168	194	203	108
85°	23	54	92	117	126	26
90°	0	30	64	88	97	2
95°	0	29	62	84	93	0
105°	0	24	58	79	87	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	608.7	608.7	608.7	608.7	608.7
2.5°	612.5	611.2	605.0	610.0	607.5
5°	611.2	610.0	603.7	608.7	607.5
7.5°	606.2	606.2	602.4	607.5	606.2
10°	601.2	601.2	597.4	603.7	602.4
12.5°	593.7	594.9	592.4	599.9	598.7
15°	584.9	587.4	586.1	593.7	593.7
17.5°	574.8	577.3	577.3	586.1	586.1
20°	562.3	566.0	568.6	578.6	578.6
22.5°	549.7	554.7	558.5	567.3	571.1
25°	534.7	540.9	547.2	558.5	558.5
27.5°	519.6	527.1	534.7	546.0	547.2
30°	502.0	510.8	520.9	532.2	534.7
32.5°	484.5	495.8	505.8	519.6	523.4
35°	465.6	476.9	490.7	504.5	508.3
37.5°	444.3	458.1	475.7	490.7	494.5
40°	425.5	440.5	458.1	475.7	479.4
42.5°	404.1	420.5	441.8	458.1	464.4
45°	382.8	400.4	423.0	441.8	446.8
47.5°	360.2	380.3	405.4	423.0	429.2
50°	337.6	359.0	385.3	405.4	410.4
52.5°	315.0	337.6	365.2	385.3	391.6
55°	291.2	315.0	343.9	365.2	372.8
57.5°	268.6	292.4	322.6	345.1	352.7
60°	243.5	271.1	301.2	323.8	332.6
62.5°	222.1	247.3	279.9	302.5	310.0
65°	197.0	223.4	257.3	281.1	288.7
67.5°	173.2	200.8	234.7	259.8	267.3
70°	149.4	177.0	213.4	237.2	246.0
72.5°	125.5	154.4	189.5	215.9	224.7
75°	102.9	130.5	168.2	194.5	203.3
77.5°	79.1	109.2	146.8	173.2	183.2
80°	57.7	89.1	126.8	153.1	163.2
82.5°	38.9	70.3	107.9	134.3	144.3
85°	22.6	54.0	91.6	116.7	125.5
87.5°	11.3	41.4	76.6	101.7	110.4
90°	0.0	30.1	64.0	87.9	96.6
92.5°	0.0	28.9	62.8	85.3	94.1
95°	0.0	28.9	61.5	84.1	92.9
97.5°	0.0	27.6	60.2	84.1	91.6
100°	0.0	26.4	60.2	82.8	90.4
102.5°	0.0	25.1	59.0	81.6	89.1
105°	0.0	23.8	57.7	79.1	86.6
107.5°	1.3	23.8	55.2	77.8	85.3
110°	1.3	22.6	52.7	76.6	84.1



TEST NUMBER: P565915

CATALOG NUMBER: 2SNX-SL3-SLW-UNV-CC93-CD-3500K-HI

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.3	50.2	74.0	81.6
115°	1.3	21.3	48.9	70.3	79.1
117.5°	1.3	20.1	46.4	67.8	76.6
120°	1.3	20.1	45.2	65.3	72.8
122.5°	1.3	18.8	42.7	62.8	70.3
125°	1.3	17.6	41.4	60.2	67.8
127.5°	1.3	16.3	40.2	57.7	65.3
130°	1.3	15.1	37.7	55.2	61.5
132.5°	1.3	15.1	36.4	51.5	59.0
135°	1.3	13.8	33.9	48.9	55.2
137.5°	1.3	12.6	31.4	46.4	52.7
140°	1.3	11.3	28.9	43.9	48.9
142.5°	1.3	11.3	26.4	40.2	45.2
145°	1.3	10.0	23.8	37.7	41.4
147.5°	1.3	8.8	21.3	33.9	37.7
150°	1.3	8.8	18.8	30.1	33.9
152.5°	1.3	7.5	16.3	27.6	31.4
155°	1.3	6.3	15.1	23.8	27.6
157.5°	1.3	6.3	12.6	20.1	23.8
160°	1.3	5.0	11.3	16.3	20.1
162.5°	1.3	5.0	10.0	13.8	17.6
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)