

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: P565889

Luminaire Tested: **2SNX-SL3-LW-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565889  
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-CC83-CD-3500K-LOW  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND LW LENS  
Light Source: -  
Ballast/Driver: -

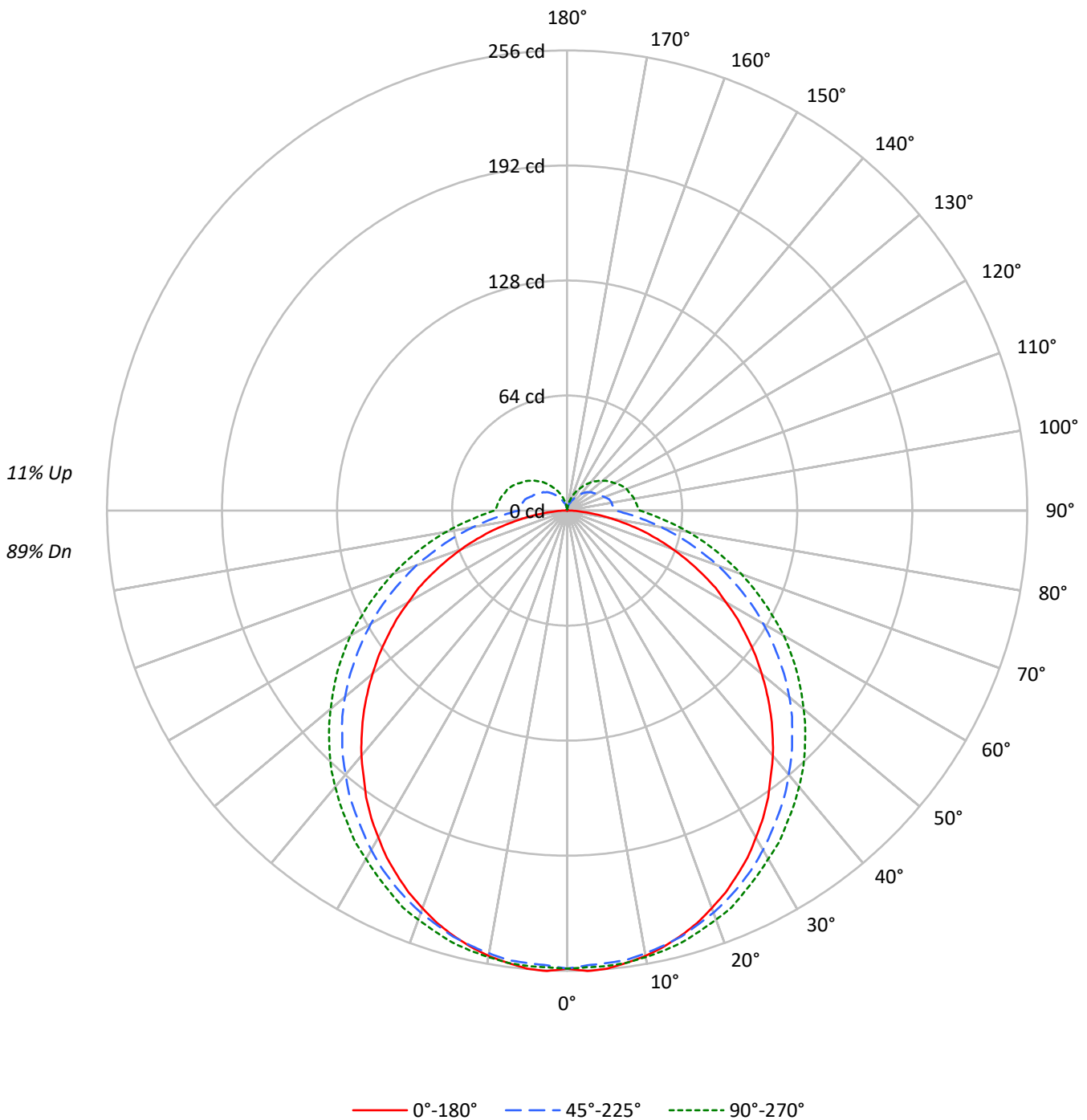
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 907.0 lumens  
Efficiency: N/A  
Efficacy: 130.9 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: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 6.93  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	5485	5485	5485
5°	5488	5219	5193
10°	5420	5000	4933
15°	5337	4787	4699
20°	5232	4570	4465
25°	5117	4361	4236
30°	4983	4149	4017
35°	4840	3936	3813
40°	4678	3728	3617
45°	4502	3521	3416
50°	4305	3310	3206
55°	4089	3073	2999
60°	3834	2830	2781
65°	3565	2567	2533
70°	3201	2288	2289
75°	2734	1965	2029
80°	2037	1643	1771
85°	1202	1340	1504



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.2	2.7
10°-20°	69.6	7.7
20°-30°	105.8	11.7
30°-40°	128.4	14.2
40°-50°	135.7	15.0
50°-60°	127.0	14.0
60°-70°	104.2	11.5
70°-80°	71.6	7.9
80°-90°	39.2	4.3
90°-100°	25.3	2.8
100°-110°	22.7	2.5
110°-120°	18.8	2.1
120°-130°	14.5	1.6
130°-140°	10.1	1.1
140°-150°	6.1	0.7
150°-160°	2.9	0.3
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	199.5	22.0
0°-40°	327.9	36.2
0°-60°	590.5	65.1
0°-90°	805.6	88.8
90°-120°	66.7	7.4
90°-150°	97.4	10.7
90°-180°	101.0	11.1
0°-180°	907.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	255	255	255	255	255	
5°	256	255	253	255	254	24
15°	245	246	245	248	248	69
25°	224	226	229	234	234	103
35°	195	200	205	211	213	122
45°	160	168	177	185	187	124
55°	122	132	144	153	156	109
65°	82	94	108	118	121	82
75°	43	55	70	81	85	45
85°	10	23	38	49	52	11
90°	0	13	27	37	40	1
95°	0	12	26	35	39	0
105°	0	10	24	33	36	0
115°	0	9	20	29	33	0
125°	0	7	17	25	28	0
135°	0	6	14	20	23	0
145°	0	4	10	16	17	0
155°	0	3	6	10	12	0
165°	0	2	3	5	6	0
175°	0	0	1	1	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	254.8	254.8	254.8	254.8	254.8
2.5°	256.4	255.8	253.2	255.3	254.3
5°	255.8	255.3	252.7	254.8	254.3
7.5°	253.7	253.7	252.2	254.3	253.7
10°	251.6	251.6	250.1	252.7	252.2
12.5°	248.5	249.0	247.9	251.1	250.6
15°	244.8	245.8	245.3	248.5	248.5
17.5°	240.6	241.6	241.6	245.3	245.3
20°	235.3	236.9	238.0	242.2	242.2
22.5°	230.1	232.2	233.8	237.4	239.0
25°	223.8	226.4	229.0	233.8	233.8
27.5°	217.5	220.6	223.8	228.5	229.0
30°	210.1	213.8	218.0	222.7	223.8
32.5°	202.8	207.5	211.7	217.5	219.1
35°	194.9	199.6	205.4	211.2	212.8
37.5°	186.0	191.7	199.1	205.4	207.0
40°	178.1	184.4	191.7	199.1	200.7
42.5°	169.2	176.0	184.9	191.7	194.4
45°	160.2	167.6	177.0	184.9	187.0
47.5°	150.8	159.2	169.7	177.0	179.7
50°	141.3	150.2	161.3	169.7	171.8
52.5°	131.9	141.3	152.9	161.3	163.9
55°	121.9	131.9	143.9	152.9	156.0
57.5°	112.4	122.4	135.0	144.5	147.6
60°	101.9	113.5	126.1	135.5	139.2
62.5°	93.0	103.5	117.1	126.6	129.8
65°	82.5	93.5	107.7	117.7	120.8
67.5°	72.5	84.1	98.2	108.7	111.9
70°	62.5	74.1	89.3	99.3	103.0
72.5°	52.5	64.6	79.3	90.4	94.0
75°	43.1	54.6	70.4	81.4	85.1
77.5°	33.1	45.7	61.5	72.5	76.7
80°	24.2	37.3	53.1	64.1	68.3
82.5°	16.3	29.4	45.2	56.2	60.4
85°	9.5	22.6	38.3	48.9	52.5
87.5°	4.7	17.3	32.0	42.6	46.2
90°	0.0	12.6	26.8	36.8	40.4
92.5°	0.0	12.1	26.3	35.7	39.4
95°	0.0	12.1	25.7	35.2	38.9
97.5°	0.0	11.6	25.2	35.2	38.3
100°	0.0	11.0	25.2	34.7	37.8
102.5°	0.0	10.5	24.7	34.1	37.3
105°	0.0	10.0	24.2	33.1	36.2
107.5°	0.5	10.0	23.1	32.6	35.7
110°	0.5	9.5	22.1	32.0	35.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	8.9	21.0	31.0	34.1
115°	0.5	8.9	20.5	29.4	33.1
117.5°	0.5	8.4	19.4	28.4	32.0
120°	0.5	8.4	18.9	27.3	30.5
122.5°	0.5	7.9	17.9	26.3	29.4
125°	0.5	7.4	17.3	25.2	28.4
127.5°	0.5	6.8	16.8	24.2	27.3
130°	0.5	6.3	15.8	23.1	25.7
132.5°	0.5	6.3	15.2	21.5	24.7
135°	0.5	5.8	14.2	20.5	23.1
137.5°	0.5	5.3	13.1	19.4	22.1
140°	0.5	4.7	12.1	18.4	20.5
142.5°	0.5	4.7	11.0	16.8	18.9
145°	0.5	4.2	10.0	15.8	17.3
147.5°	0.5	3.7	8.9	14.2	15.8
150°	0.5	3.7	7.9	12.6	14.2
152.5°	0.5	3.2	6.8	11.6	13.1
155°	0.5	2.6	6.3	10.0	11.6
157.5°	0.5	2.6	5.3	8.4	10.0
160°	0.5	2.1	4.7	6.8	8.4
162.5°	0.5	2.1	4.2	5.8	7.4
165°	0.5	1.6	3.2	4.7	5.8
167.5°	0.5	1.6	2.6	3.7	4.7
170°	0.5	1.1	2.1	2.6	3.7
172.5°	0.5	1.1	1.6	1.6	1.6
175°	0.5	0.5	1.1	1.1	0.5
177.5°	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)