

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: P565879

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565879  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-SL3-LN-UNV-CC93-CD-3500K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

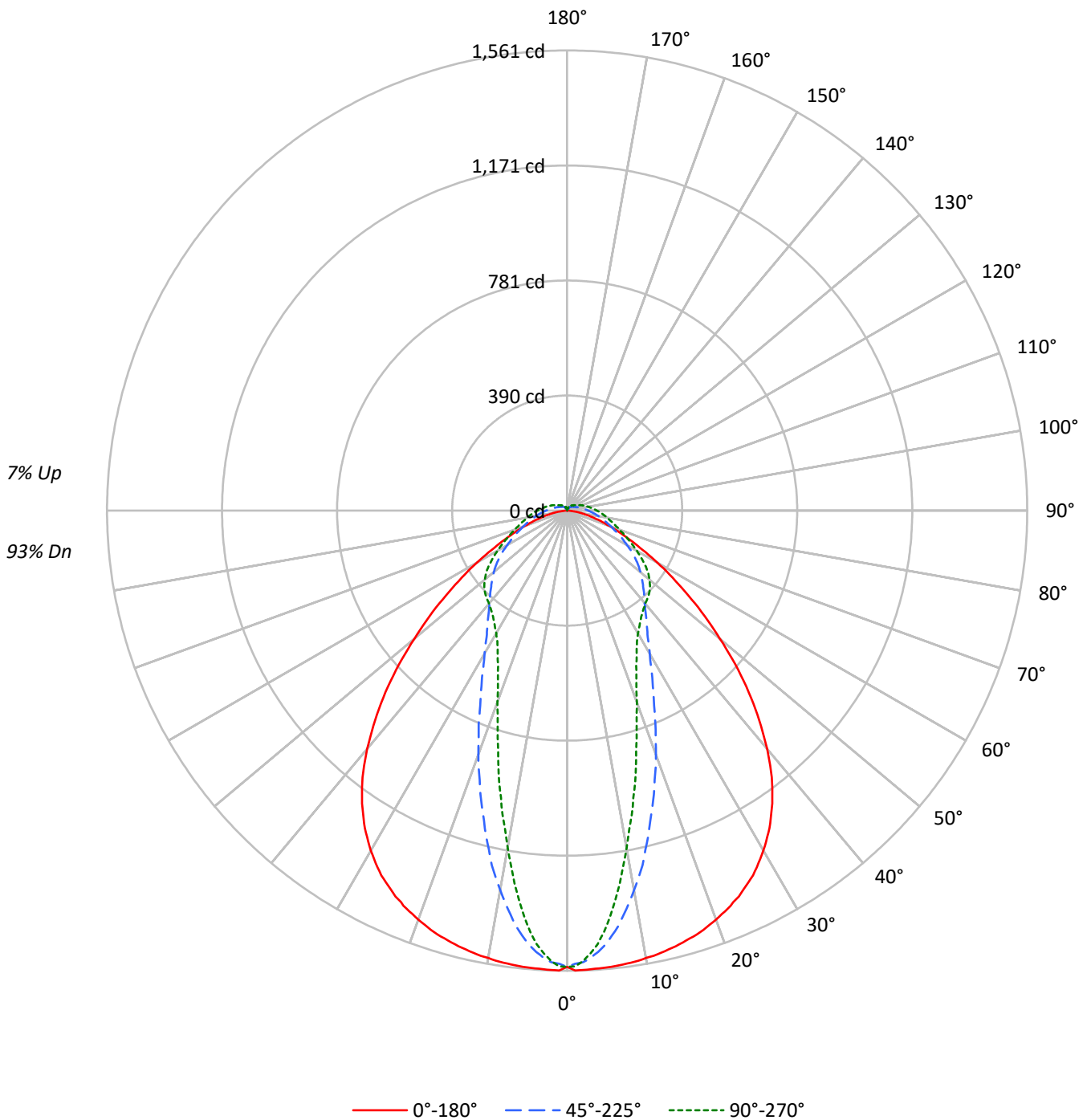
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2467.0 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	33316	33316	33316
5°	33369	30546	29303
10°	33203	26130	22735
15°	33063	21269	17041
20°	32830	16908	12752
25°	32399	13222	10120
30°	31584	10678	8634
35°	30116	9019	7853
40°	27711	7946	7432
45°	24489	7253	7203
50°	20601	6659	6805
55°	16784	6020	6214
60°	13282	5280	5451
65°	10169	4621	4744
70°	7749	4073	4197
75°	5824	3646	3823
80°	3915	3319	3553
85°	1961	3075	3407



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.1	5.6
10°-20°	321.3	13.0
20°-30°	381.3	15.5
30°-40°	383.7	15.6
40°-50°	356.6	14.5
50°-60°	293.7	11.9
60°-70°	206.9	8.4
70°-80°	135.2	5.5
80°-90°	86.3	3.5
90°-100°	56.6	2.3
100°-110°	38.4	1.6
110°-120°	26.3	1.1
120°-130°	18.2	0.7
130°-140°	12.3	0.5
140°-150°	7.6	0.3
150°-160°	3.9	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	839.6	34.0
0°-40°	1223.3	49.6
0°-60°	1873.6	75.9
0°-90°	2302.0	93.3
90°-120°	121.4	4.9
90°-150°	159.4	6.5
90°-180°	165.0	6.7
0°-180°	2467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1555	1535	1479	1451	1435	148
15°	1517	1355	1090	953	901	428
25°	1417	1047	694	583	558	652
35°	1213	708	471	441	438	754
45°	871	467	365	384	394	669
55°	500	306	282	313	323	452
65°	235	185	194	218	226	239
75°	92	96	131	154	160	99
85°	16	44	88	114	119	19
90°	0	30	71	97	101	1
95°	0	22	60	82	85	0
105°	0	16	40	57	62	0
115°	1	13	28	41	44	1
125°	1	10	23	30	32	1
135°	1	9	18	23	25	1
145°	1	6	13	18	19	1
155°	1	5	9	13	14	1
165°	1	3	5	6	8	0
175°	3	3	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°	1547.6	1547.6	1547.6	1547.6	1547.6
1°	1560.6	1554.1	1537.3	1548.9	1546.3
2°	1559.3	1552.8	1533.4	1538.6	1529.5
3°	1558.0	1548.9	1519.2	1517.9	1505.0
4°	1556.7	1542.5	1501.1	1485.6	1475.2
5°	1555.4	1534.7	1479.1	1450.7	1435.1
6°	1554.1	1525.6	1450.7	1408.0	1386.0
7°	1551.5	1511.4	1420.9	1362.7	1334.3
8°	1548.9	1498.5	1383.4	1313.6	1278.7
9°	1546.3	1481.7	1345.9	1260.6	1219.2
10°	1541.2	1464.9	1307.1	1206.3	1162.3
11°	1538.6	1445.5	1269.6	1154.6	1102.9
12°	1533.4	1424.8	1229.6	1100.3	1055.0
13°	1528.2	1402.8	1180.4	1053.7	999.4
14°	1523.1	1379.5	1137.8	1002.0	951.6
15°	1516.6	1355.0	1089.9	952.9	901.2
16°	1510.1	1326.5	1047.3	902.5	848.2
17°	1503.7	1299.4	1007.2	855.9	806.8
18°	1495.9	1272.2	960.6	810.7	762.8
19°	1485.6	1241.2	923.1	769.3	725.3
20°	1476.5	1212.8	880.5	730.5	691.7
21°	1466.2	1177.8	837.8	694.3	655.5
22.5°	1450.7	1128.7	783.5	649.0	612.8
23°	1442.9	1114.5	761.5	632.2	601.2
24°	1432.6	1077.0	725.3	606.4	575.3
25°	1417.0	1047.3	694.3	583.1	558.5
26°	1402.8	1011.1	663.3	562.4	537.9
27°	1388.6	976.2	636.1	540.4	519.8
28°	1370.5	940.0	606.4	522.3	504.2
29°	1351.1	906.3	581.8	506.8	492.6
30°	1331.7	868.8	561.1	492.6	481.0
32.5°	1277.4	786.1	508.1	465.5	457.7
35°	1212.8	708.5	470.6	440.9	438.3
37.5°	1140.4	637.4	437.0	421.5	424.1
40°	1055.0	572.8	408.6	407.3	412.4
42.5°	964.5	517.2	386.6	395.6	403.4
45°	871.4	466.7	364.6	384.0	394.3
47.5°	774.5	422.8	345.2	369.8	381.4
50°	676.2	380.1	324.5	353.0	364.6
52.5°	588.3	342.6	303.8	333.6	346.5
55°	500.4	306.4	281.9	312.9	323.2
57.5°	424.1	272.8	258.6	289.6	297.4
60°	353.0	240.5	235.3	263.8	272.8
62.5°	288.3	212.0	213.3	240.5	249.5
65°	235.3	184.9	193.9	218.5	226.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	191.4	159.0	174.5	200.4	206.9
70°	151.3	135.8	159.0	182.3	188.8
72.5°	120.2	115.1	143.5	168.1	173.3
75°	91.8	95.7	130.6	153.9	160.3
77.5°	65.9	80.2	117.7	142.2	147.4
80°	46.5	65.9	107.3	131.9	137.0
82.5°	29.7	54.3	97.0	122.8	128.0
85°	15.5	44.0	87.9	113.8	118.9
87.5°	6.5	36.2	78.9	104.7	109.9
90°	0.0	29.7	71.1	97.0	100.8
92.5°	0.0	25.9	64.6	89.2	93.1
95°	0.0	22.0	59.5	81.5	85.3
97.5°	0.0	20.7	53.0	75.0	78.9
100°	0.0	18.1	47.8	68.5	73.7
102.5°	0.0	16.8	44.0	62.1	67.2
105°	0.0	15.5	40.1	56.9	62.1
107.5°	0.0	14.2	37.5	53.0	56.9
110°	0.0	14.2	33.6	49.1	53.0
112.5°	1.3	12.9	31.0	44.0	47.8
115°	1.3	12.9	28.4	41.4	44.0
117.5°	1.3	12.9	27.2	37.5	40.1
120°	1.3	11.6	25.9	34.9	37.5
122.5°	1.3	11.6	24.6	32.3	33.6
125°	1.3	10.3	23.3	29.7	32.3
127.5°	1.3	10.3	22.0	28.4	29.7
130°	1.3	10.3	20.7	25.9	28.4
132.5°	1.3	9.1	19.4	24.6	25.9
135°	1.3	9.1	18.1	23.3	24.6
137.5°	1.3	7.8	16.8	22.0	23.3
140°	1.3	7.8	15.5	20.7	22.0
142.5°	1.3	6.5	14.2	19.4	20.7
145°	1.3	6.5	12.9	18.1	19.4
147.5°	1.3	6.5	11.6	16.8	18.1
150°	1.3	5.2	10.3	15.5	16.8
152.5°	1.3	5.2	9.1	14.2	15.5
155°	1.3	5.2	9.1	12.9	14.2
157.5°	1.3	3.9	7.8	10.3	12.9
160°	1.3	3.9	6.5	9.1	11.6
162.5°	1.3	3.9	6.5	7.8	9.1
165°	1.3	2.6	5.2	6.5	7.8
167.5°	1.3	2.6	3.9	5.2	6.5
170°	1.3	2.6	3.9	3.9	5.2
172.5°	1.3	2.6	2.6	2.6	2.6
175°	2.6	2.6	2.6	2.6	1.3
177.5°	2.6	2.6	2.6	1.3	1.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)