

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: P567109

Luminaire Tested: **4SNX-SL3-LW-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567109  
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: 4SNX-SL3-LW-UNV-CC93-CD-3500K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND LW LENS  
Light Source: -  
Ballast/Driver: -

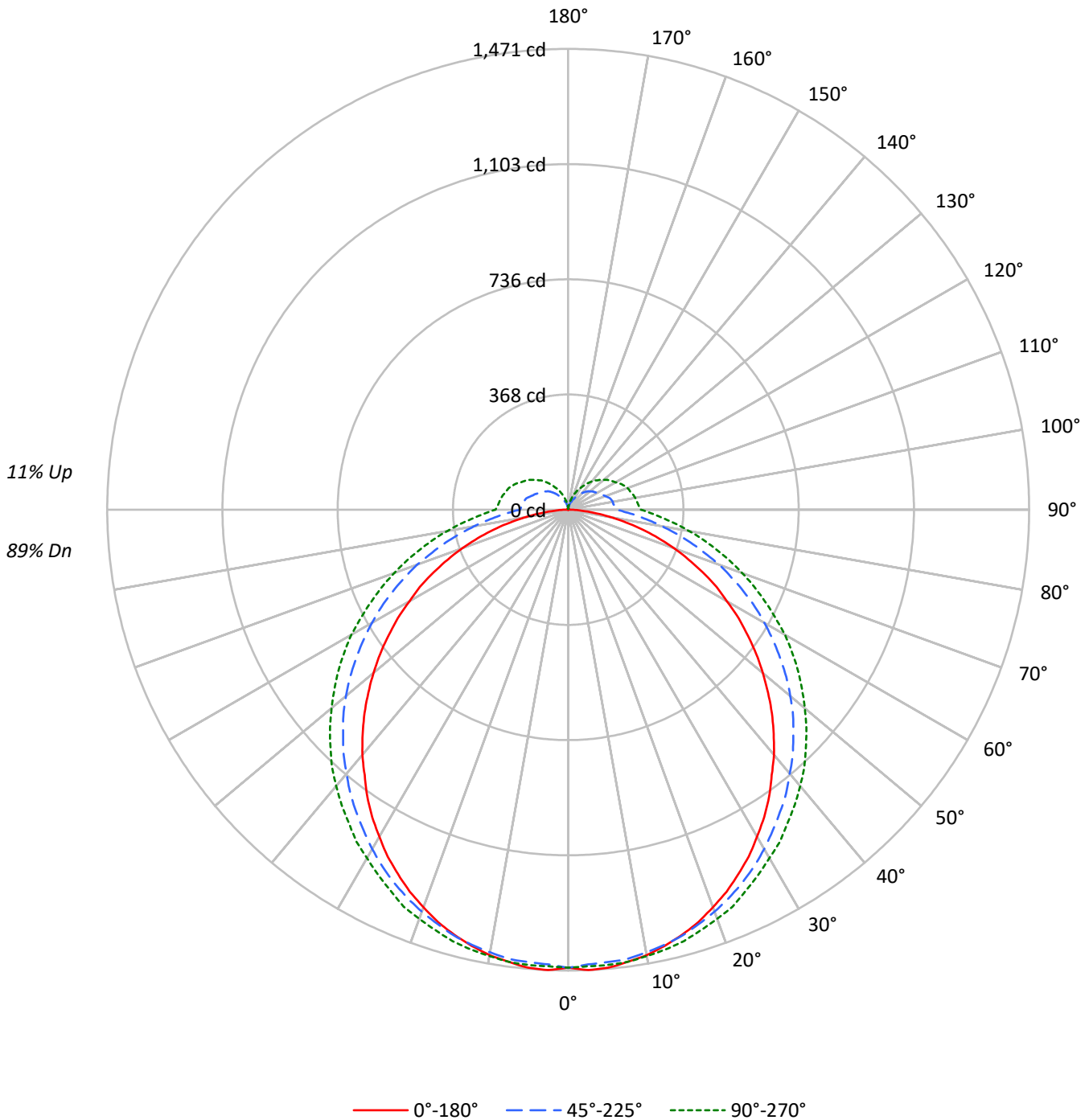
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5204.0 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 50.7  
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: P567109

CATALOG NUMBER: 4SNX-SL3-LW-UNV-CC93-CD-3500K-HI

### Luminous Intensity Polar Plot





TEST NUMBER: P567109

CATALOG NUMBER: 4SNX-SL3-LW-UNV-CC93-CD-3500K-HI

**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°	15735	15735	15735
5°	15802	15007	14894
10°	15665	14409	14149
15°	15478	13830	13479
20°	15236	13229	12808
25°	14959	12652	12152
30°	14633	12059	11523
35°	14277	11465	10936
40°	13873	10884	10375
45°	13434	10302	9800
50°	12935	9703	9197
55°	12386	9036	8606
60°	11740	8339	7980
65°	11064	7588	7267
70°	10129	6787	6566
75°	8897	5854	5822
80°	6949	4913	5080
85°	4543	4040	4318



TEST NUMBER: P567109

CATALOG NUMBER: 4SNX-SL3-LW-UNV-CC93-CD-3500K-HI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.8	2.7
10°-20°	399.1	7.7
20°-30°	606.8	11.7
30°-40°	736.6	14.2
40°-50°	778.4	15.0
50°-60°	728.4	14.0
60°-70°	597.6	11.5
70°-80°	411.1	7.9
80°-90°	225.1	4.3
90°-100°	145.0	2.8
100°-110°	130.1	2.5
110°-120°	107.7	2.1
120°-130°	82.9	1.6
130°-140°	58.3	1.1
140°-150°	35.1	0.7
150°-160°	16.8	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1144.8	22.0
0°-40°	1881.4	36.2
0°-60°	3388.2	65.1
0°-90°	4622.0	88.8
90°-120°	382.7	7.4
90°-150°	559.0	10.7
90°-180°	582.0	11.2
0°-180°	5204.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1468	1465	1450	1462	1459	139
15°	1404	1411	1408	1426	1426	396
25°	1284	1299	1314	1341	1341	592
35°	1118	1145	1178	1212	1221	699
45°	919	962	1016	1061	1073	709
55°	699	756	826	877	895	626
65°	473	536	618	675	693	469
75°	247	314	404	467	488	260
85°	54	130	220	280	301	63
90°	0	72	154	211	232	4
95°	0	69	148	202	223	0
105°	0	57	139	190	208	2
115°	3	51	118	169	190	3
125°	3	42	100	145	163	3
135°	3	33	81	118	133	2
145°	3	24	57	90	100	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567109

CATALOG NUMBER: 4SNX-SL3-LW-UNV-CC93-CD-3500K-HI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1470.9	1467.8	1452.8	1464.8	1458.8
5°	1467.8	1464.8	1449.8	1461.8	1458.8
7.5°	1455.8	1455.8	1446.7	1458.8	1455.8
10°	1443.7	1443.7	1434.7	1449.8	1446.7
12.5°	1425.6	1428.7	1422.6	1440.7	1437.7
15°	1404.5	1410.6	1407.6	1425.6	1425.6
17.5°	1380.4	1386.5	1386.5	1407.6	1407.6
20°	1350.3	1359.3	1365.4	1389.5	1389.5
22.5°	1320.2	1332.2	1341.3	1362.4	1371.4
25°	1284.0	1299.1	1314.1	1341.3	1341.3
27.5°	1247.8	1265.9	1284.0	1311.1	1314.1
30°	1205.6	1226.7	1250.8	1278.0	1284.0
32.5°	1163.4	1190.6	1214.7	1247.8	1256.9
35°	1118.2	1145.3	1178.5	1211.6	1220.7
37.5°	1067.0	1100.1	1142.3	1178.5	1187.5
40°	1021.8	1057.9	1100.1	1142.3	1151.4
42.5°	970.5	1009.7	1060.9	1100.1	1115.2
45°	919.3	961.5	1015.7	1060.9	1073.0
47.5°	865.0	913.3	973.5	1015.7	1030.8
50°	810.8	862.0	925.3	973.5	985.6
52.5°	756.5	810.8	877.1	925.3	940.4
55°	699.3	756.5	825.9	877.1	895.2
57.5°	645.0	702.3	774.6	828.9	846.9
60°	584.7	651.0	723.4	777.6	798.7
62.5°	533.5	593.8	672.1	726.4	744.5
65°	473.2	536.5	617.9	675.1	693.2
67.5°	415.9	482.2	563.6	623.9	642.0
70°	358.7	425.0	512.4	569.7	590.8
72.5°	301.4	370.7	455.1	518.4	539.5
75°	247.2	313.5	403.9	467.2	488.3
77.5°	189.9	262.2	352.6	415.9	440.1
80°	138.6	214.0	304.4	367.7	391.8
82.5°	93.4	168.8	259.2	322.5	346.6
85°	54.3	129.6	220.0	280.3	301.4
87.5°	27.1	99.5	183.9	244.1	265.2
90°	0.0	72.3	153.7	211.0	232.1
92.5°	0.0	69.3	150.7	205.0	226.1
95°	0.0	69.3	147.7	201.9	223.0
97.5°	0.0	66.3	144.7	201.9	220.0
100°	0.0	63.3	144.7	198.9	217.0
102.5°	0.0	60.3	141.7	195.9	214.0
105°	0.0	57.3	138.6	189.9	208.0
107.5°	3.0	57.3	132.6	186.9	205.0
110°	3.0	54.3	126.6	183.9	201.9



TEST NUMBER: P567109

CATALOG NUMBER: 4SNX-SL3-LW-UNV-CC93-CD-3500K-HI

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.2	120.6	177.8	195.9
115°	3.0	51.2	117.5	168.8	189.9
117.5°	3.0	48.2	111.5	162.8	183.9
120°	3.0	48.2	108.5	156.7	174.8
122.5°	3.0	45.2	102.5	150.7	168.8
125°	3.0	42.2	99.5	144.7	162.8
127.5°	3.0	39.2	96.4	138.6	156.7
130°	3.0	36.2	90.4	132.6	147.7
132.5°	3.0	36.2	87.4	123.6	141.7
135°	3.0	33.2	81.4	117.5	132.6
137.5°	3.0	30.1	75.4	111.5	126.6
140°	3.0	27.1	69.3	105.5	117.5
142.5°	3.0	27.1	63.3	96.4	108.5
145°	3.0	24.1	57.3	90.4	99.5
147.5°	3.0	21.1	51.2	81.4	90.4
150°	3.0	21.1	45.2	72.3	81.4
152.5°	3.0	18.1	39.2	66.3	75.4
155°	3.0	15.1	36.2	57.3	66.3
157.5°	3.0	15.1	30.1	48.2	57.3
160°	3.0	12.1	27.1	39.2	48.2
162.5°	3.0	12.1	24.1	33.2	42.2
165°	3.0	9.0	18.1	27.1	33.2
167.5°	3.0	9.0	15.1	21.1	27.1
170°	3.0	6.0	12.1	15.1	21.1
172.5°	3.0	6.0	9.0	9.0	9.0
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)