

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: P568172

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568172  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW  
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

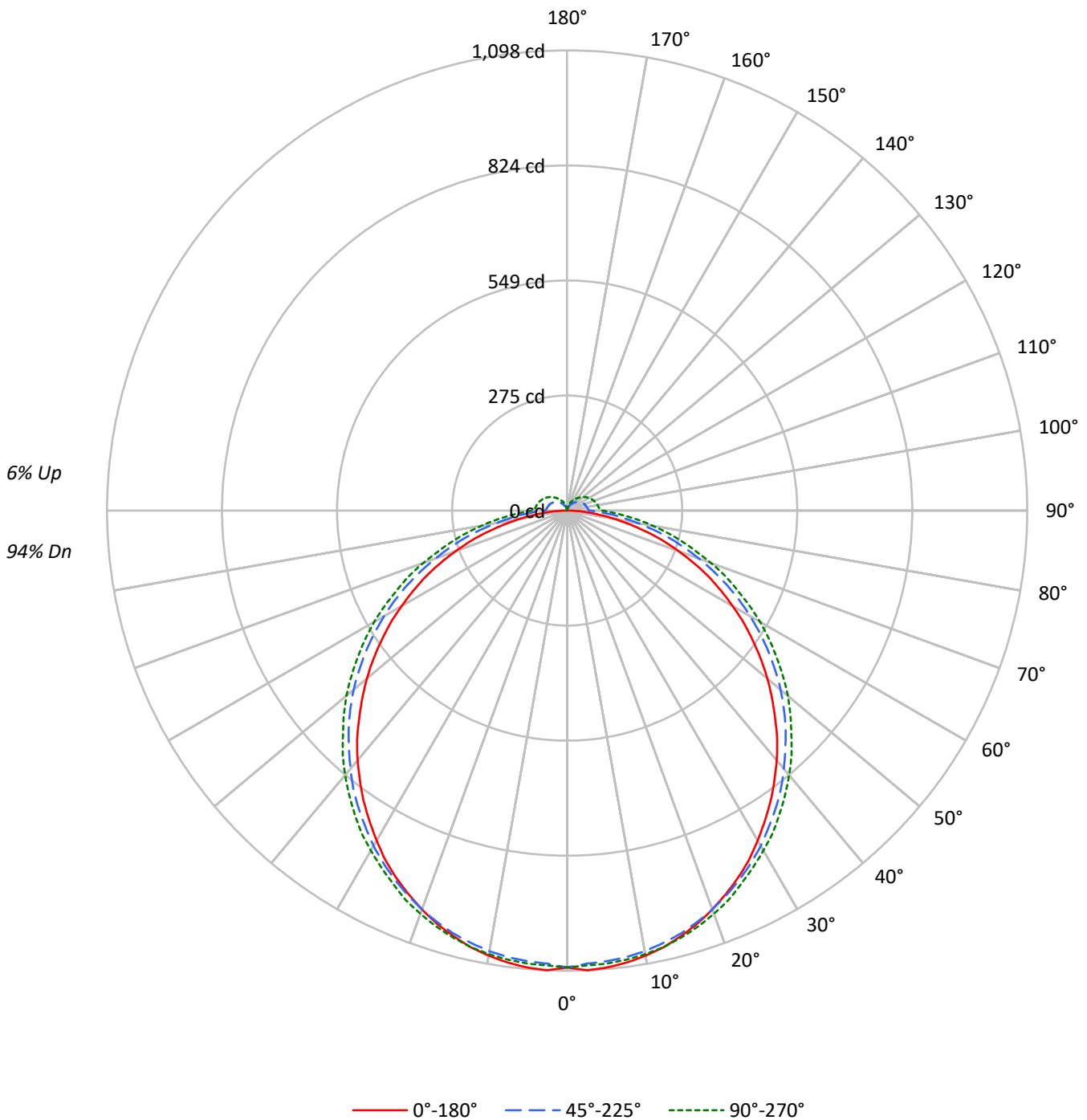
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3464.0 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct  
  
Input Watts (W): 33.462  
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: P568172

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW

### Luminous Intensity Polar Plot





TEST NUMBER: P568172

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW

**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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

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

	0°	45°	90°
0°	5867	5867	5867
5°	5909	5771	5778
10°	5888	5711	5706
15°	5847	5641	5624
20°	5790	5555	5528
25°	5723	5461	5415
30°	5633	5365	5310
35°	5541	5252	5200
40°	5441	5127	5078
45°	5314	5004	4935
50°	5192	4864	4803
55°	5039	4689	4621
60°	4869	4489	4442
65°	4689	4251	4195
70°	4378	3951	3940
75°	4004	3598	3633
80°	3453	3128	3293
85°	2786	2727	2895



TEST NUMBER: P568172

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.4	3.0
10°-20°	296.6	8.6
20°-30°	449.5	13.0
30°-40°	542.7	15.7
40°-50°	566.7	16.4
50°-60°	520.6	15.0
60°-70°	411.7	11.9
70°-80°	260.6	7.5
80°-90°	112.0	3.2
90°-100°	49.3	1.4
100°-110°	44.1	1.3
110°-120°	37.3	1.1
120°-130°	29.0	0.8
130°-140°	20.1	0.6
140°-150°	12.1	0.3
150°-160°	5.9	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	849.6	24.5
0°-40°	1392.3	40.2
0°-60°	2479.6	71.6
0°-90°	3263.8	94.2
90°-120°	130.7	3.8
90°-150°	191.9	5.5
90°-180°	200.0	5.8
0°-180°	3464.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1094	1091	1080	1089	1085	104
15°	1051	1051	1045	1056	1054	296
25°	966	970	972	984	983	445
35°	846	856	867	881	884	529
45°	702	719	737	751	756	542
55°	541	563	586	606	610	484
65°	372	393	421	440	447	367
75°	196	220	252	273	283	208
85°	48	74	106	128	136	53
90°	3	26	54	76	83	4
95°	1	23	49	69	76	0
105°	1	21	46	64	71	1
115°	1	18	42	58	64	1
125°	1	16	35	50	56	1
135°	1	12	28	40	45	1
145°	1	9	20	30	33	1
155°	1	6	13	19	23	1
165°	2	4	7	9	13	1
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P568172

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1090.1	1090.1	1090.1	1090.1	1090.1
2.5°	1098.0	1094.3	1082.1	1090.7	1086.4
5°	1094.3	1091.3	1079.6	1088.8	1085.1
7.5°	1087.6	1085.1	1074.7	1084.5	1080.9
10°	1078.4	1076.6	1067.4	1077.2	1074.7
12.5°	1066.7	1066.1	1056.9	1068.0	1066.1
15°	1050.8	1050.8	1045.3	1056.3	1054.5
17.5°	1033.6	1034.2	1029.9	1041.6	1040.4
20°	1012.8	1015.8	1012.8	1025.0	1023.8
22.5°	990.1	994.4	993.1	1005.4	1006.0
25°	966.1	970.4	971.7	984.5	982.7
27.5°	939.8	946.5	949.0	960.6	960.0
30°	909.1	918.3	923.8	933.6	936.7
32.5°	877.8	888.9	895.6	909.1	912.8
35°	846.5	856.3	867.4	880.9	883.9
37.5°	812.2	823.2	837.9	850.8	854.5
40°	777.8	790.1	804.2	818.3	823.8
42.5°	742.2	755.1	770.5	787.0	792.5
45°	701.8	718.9	737.3	751.4	756.4
47.5°	663.1	682.1	701.8	717.1	722.6
50°	623.9	644.1	665.0	679.1	687.6
52.5°	582.8	604.8	625.7	643.5	649.0
55°	541.0	563.1	586.4	605.5	609.7
57.5°	500.6	522.0	545.3	563.1	571.7
60°	456.4	479.7	504.8	522.6	531.8
62.5°	413.4	436.1	463.1	482.2	489.5
65°	372.3	393.2	420.8	440.4	447.2
67.5°	327.0	350.9	377.3	400.0	408.5
70°	282.2	304.9	334.9	356.4	365.0
72.5°	240.5	262.5	292.6	314.1	322.0
75°	196.3	219.6	251.5	273.0	283.4
77.5°	154.0	179.7	210.4	233.7	245.4
80°	114.7	137.4	170.5	196.3	206.7
82.5°	77.9	102.4	136.8	160.7	172.4
85°	47.8	73.6	105.5	128.2	136.2
87.5°	22.7	47.2	76.7	98.8	108.6
90°	3.1	26.4	54.0	75.5	83.4
92.5°	0.6	22.7	49.7	69.9	77.3
95°	0.6	22.7	49.1	68.7	76.1
97.5°	0.6	22.1	48.5	68.1	74.8
100°	0.6	21.5	47.8	66.9	74.2
102.5°	0.6	21.5	46.6	65.6	72.4
105°	0.6	20.9	46.0	64.4	71.2
107.5°	0.6	20.2	44.8	63.2	69.9
110°	0.6	19.0	44.2	61.3	68.1



TEST NUMBER: P568172

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.4	42.9	60.1	66.2
115°	0.6	17.8	41.7	58.3	64.4
117.5°	0.6	17.2	39.9	56.4	62.6
120°	1.2	17.2	38.6	54.6	60.1
122.5°	1.2	16.6	36.8	52.1	57.7
125°	1.2	15.9	35.0	50.3	55.8
127.5°	1.2	15.3	33.1	47.8	52.8
130°	1.2	14.1	31.9	45.4	50.3
132.5°	1.2	13.5	30.1	42.3	47.2
135°	1.2	12.3	28.2	39.9	44.8
137.5°	1.2	11.7	26.4	37.4	41.7
140°	1.2	11.0	23.9	35.0	39.3
142.5°	1.2	9.8	22.1	32.5	36.2
145°	1.2	9.2	19.6	30.1	33.1
147.5°	1.2	8.0	17.8	27.6	30.7
150°	1.2	7.4	15.9	25.2	28.2
152.5°	1.2	6.7	14.1	22.1	25.2
155°	1.2	6.1	12.9	19.0	22.7
157.5°	1.2	5.5	11.0	16.6	20.2
160°	1.8	4.9	9.8	14.1	17.2
162.5°	1.8	4.3	8.0	11.7	15.3
165°	1.8	4.3	6.7	9.2	12.9
167.5°	1.8	3.7	5.5	7.4	10.4
170°	1.8	3.1	4.9	5.5	8.0
172.5°	1.8	2.5	3.7	3.7	4.3
175°	1.8	2.5	3.1	3.1	1.8
177.5°	1.8	1.8	1.8	1.8	1.2
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)