

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: P567079

Luminaire Tested: **4SNX-SL3-LC-UNV-CC93-CD-5000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567079  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-SL3-LC-UNV-CC93-CD-5000K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, HI LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

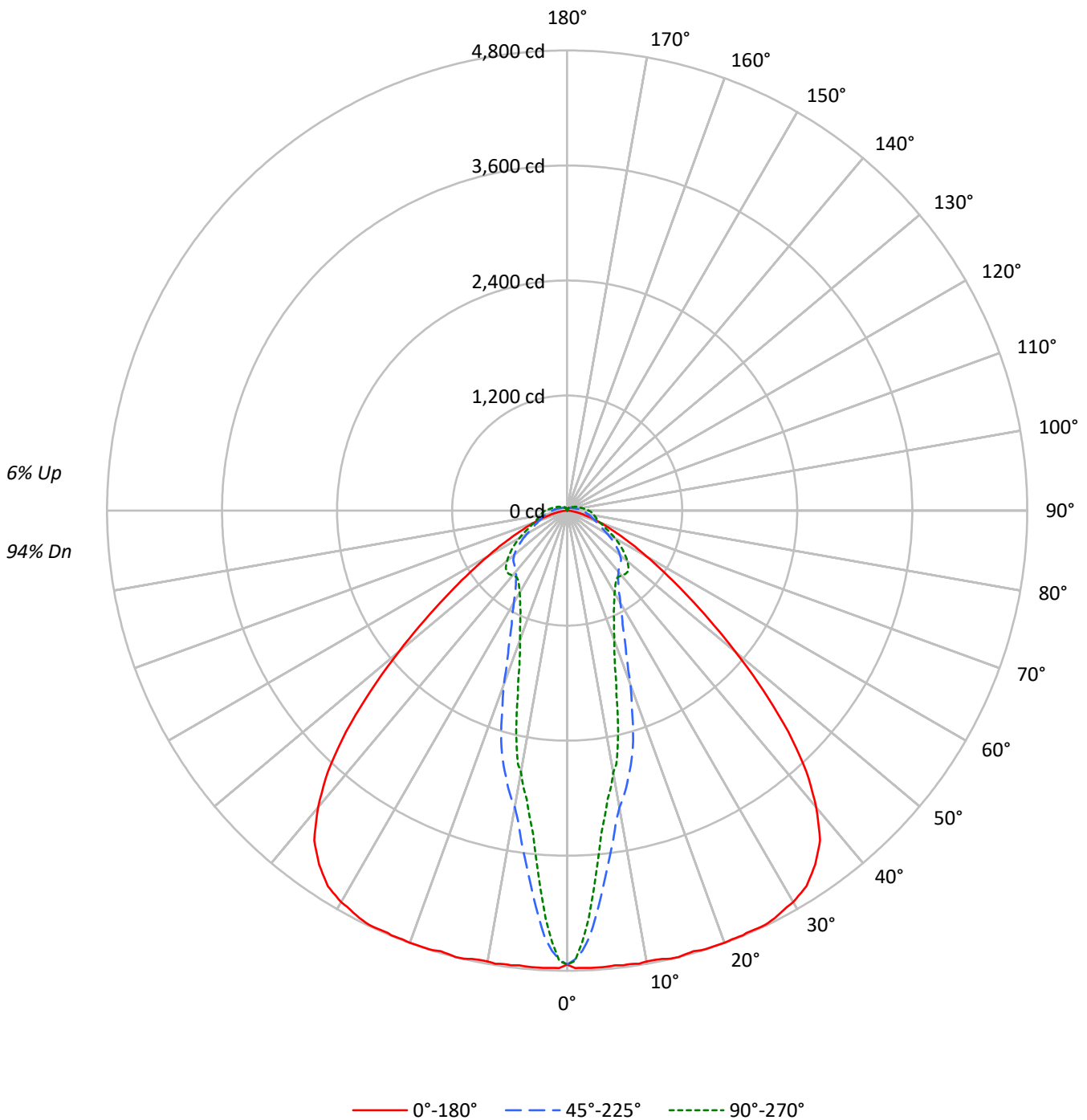
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5836.0 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 51.1  
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	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

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

	0°	45°	90°
0°	50961	50961	50961
5°	51421	41857	37466
10°	51824	31598	27116
15°	52770	25829	18776
20°	54131	18690	13261
25°	55820	13390	10433
30°	57245	10698	8885
35°	57584	9048	7958
40°	54898	8225	7977
45°	47640	7948	8194
50°	36549	7558	7647
55°	26487	6609	6785
60°	19217	5516	5737
65°	13986	4664	4702
70°	10304	4119	4056
75°	7321	3815	3780
80°	4798	3572	3722
85°	2250	3405	3728



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.3	6.4
10°-20°	808.5	13.9
20°-30°	925.5	15.9
30°-40°	927.1	15.9
40°-50°	877.6	15.0
50°-60°	673.1	11.5
60°-70°	433.9	7.4
70°-80°	276.7	4.7
80°-90°	183.7	3.1
90°-100°	123.5	2.1
100°-110°	81.4	1.4
110°-120°	56.6	1.0
120°-130°	39.5	0.7
130°-140°	27.4	0.5
140°-150°	16.8	0.3
150°-160°	8.5	0.1
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	2106.3	36.1
0°-40°	3033.5	52.0
0°-60°	4584.2	78.5
0°-90°	5478.4	93.9
90°-120°	261.5	4.5
90°-150°	345.2	5.9
90°-180°	358.0	6.1
0°-180°	5836.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4734	4734	4734	4734	4734	
5°	4776	4513	4044	3771	3670	456
15°	4788	3448	2629	2159	1986	1358
25°	4791	2440	1391	1208	1152	2209
35°	4510	1358	930	900	888	2798
45°	3260	858	784	867	897	2479
55°	1495	613	604	679	706	1375
65°	598	386	380	434	449	615
75°	203	209	263	302	317	224
85°	27	96	185	242	260	37
90°	0	66	156	215	224	1
95°	0	48	129	176	185	0
105°	0	36	84	120	129	2
115°	3	30	63	87	93	3
125°	3	27	54	63	66	3
135°	3	21	42	51	54	2
145°	3	15	30	39	42	2
155°	3	9	18	27	30	2
165°	6	6	12	15	18	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4734.4	4734.4	4734.4	4734.4	4734.4
1°	4773.3	4746.4	4683.6	4701.5	4698.6
2°	4773.3	4716.5	4593.9	4558.0	4504.2
3°	4776.3	4665.7	4456.3	4339.7	4264.9
4°	4776.3	4590.9	4252.9	4058.5	3962.8
5°	4776.3	4513.1	4043.6	3771.4	3669.7
6°	4770.3	4420.4	3831.2	3544.1	3391.6
7°	4779.3	4318.7	3639.8	3331.8	3212.1
8°	4776.3	4199.1	3463.4	3170.3	3038.7
9°	4785.3	4082.5	3271.9	3017.7	2919.0
10°	4776.3	3974.8	3146.3	2874.2	2772.5
11°	4776.3	3870.1	3056.6	2781.4	2694.7
12°	4782.3	3750.5	2957.9	2649.9	2530.2
13°	4797.3	3627.8	2844.3	2506.3	2365.7
14°	4800.2	3535.1	2739.6	2323.9	2177.3
15°	4788.3	3448.4	2628.9	2159.4	1985.9
16°	4782.3	3358.7	2497.3	2003.8	1848.3
17°	4794.3	3254.0	2347.8	1845.3	1701.8
18°	4797.3	3158.3	2189.3	1725.7	1600.1
19°	4797.3	3083.5	2060.7	1615.0	1507.4
20°	4797.3	3011.7	1929.1	1531.3	1438.6
21°	4791.3	2922.0	1779.5	1444.6	1366.8
22.5°	4794.3	2754.5	1609.1	1342.9	1280.1
23°	4785.3	2712.7	1567.2	1316.0	1250.2
24°	4788.3	2593.0	1477.5	1262.1	1199.3
25°	4791.3	2440.5	1390.7	1208.3	1151.5
26°	4785.3	2317.9	1318.9	1157.4	1118.6
27°	4770.3	2219.2	1268.1	1115.6	1079.7
28°	4749.4	2087.6	1214.3	1079.7	1046.8
29°	4728.5	1938.0	1160.4	1040.8	1016.9
30°	4716.5	1818.4	1109.6	1010.9	990.0
32.5°	4644.7	1582.1	1004.9	951.1	933.1
35°	4510.1	1357.8	930.1	900.2	888.3
37.5°	4333.7	1184.4	873.3	867.3	870.3
40°	4043.6	1046.8	831.4	858.4	885.3
42.5°	3696.6	939.1	801.5	867.3	897.2
45°	3260.0	858.4	783.6	867.3	897.2
47.5°	2775.5	792.6	762.7	837.4	867.3
50°	2291.0	732.7	720.8	792.6	819.5
52.5°	1863.3	675.9	666.9	735.7	762.7
55°	1495.4	613.1	604.1	678.9	705.8
57.5°	1199.3	553.3	544.3	613.1	640.0
60°	957.1	493.5	478.5	547.3	574.2
62.5°	762.7	436.7	427.7	487.5	511.4
65°	598.2	385.8	379.8	433.7	448.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	472.5	338.0	341.0	385.8	403.8
70°	364.9	293.1	311.0	352.9	364.9
72.5°	275.2	248.2	287.1	323.0	338.0
75°	203.4	209.4	263.2	302.1	317.0
77.5°	140.6	173.5	242.3	284.1	299.1
80°	95.7	140.6	221.3	269.2	287.1
82.5°	56.8	116.6	203.4	254.2	275.2
85°	26.9	95.7	185.4	242.3	260.2
87.5°	9.0	77.8	167.5	230.3	245.2
90°	0.0	65.8	155.5	215.3	224.3
92.5°	0.0	56.8	140.6	197.4	203.4
95°	0.0	47.9	128.6	176.5	185.4
97.5°	0.0	44.9	119.6	158.5	170.5
100°	0.0	41.9	107.7	143.6	155.5
102.5°	0.0	35.9	95.7	128.6	140.6
105°	0.0	35.9	83.7	119.6	128.6
107.5°	3.0	32.9	77.8	107.7	119.6
110°	3.0	32.9	68.8	101.7	110.7
112.5°	3.0	32.9	65.8	92.7	104.7
115°	3.0	29.9	62.8	86.7	92.7
117.5°	3.0	29.9	59.8	77.8	83.7
120°	3.0	26.9	56.8	71.8	74.8
122.5°	3.0	26.9	53.8	65.8	68.8
125°	3.0	26.9	53.8	62.8	65.8
127.5°	3.0	23.9	50.8	59.8	59.8
130°	3.0	23.9	47.9	56.8	56.8
132.5°	3.0	20.9	44.9	53.8	56.8
135°	3.0	20.9	41.9	50.8	53.8
137.5°	3.0	17.9	38.9	47.9	50.8
140°	3.0	17.9	35.9	44.9	47.9
142.5°	3.0	15.0	32.9	41.9	44.9
145°	3.0	15.0	29.9	38.9	41.9
147.5°	3.0	15.0	26.9	35.9	38.9
150°	3.0	12.0	23.9	32.9	35.9
152.5°	3.0	12.0	20.9	29.9	32.9
155°	3.0	9.0	17.9	26.9	29.9
157.5°	3.0	9.0	17.9	23.9	26.9
160°	6.0	9.0	15.0	20.9	23.9
162.5°	3.0	6.0	15.0	17.9	20.9
165°	6.0	6.0	12.0	15.0	17.9
167.5°	6.0	6.0	9.0	12.0	15.0
170°	6.0	6.0	9.0	9.0	12.0
172.5°	6.0	6.0	6.0	9.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	6.0	3.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)