

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: P567073

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567073  
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-3500K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

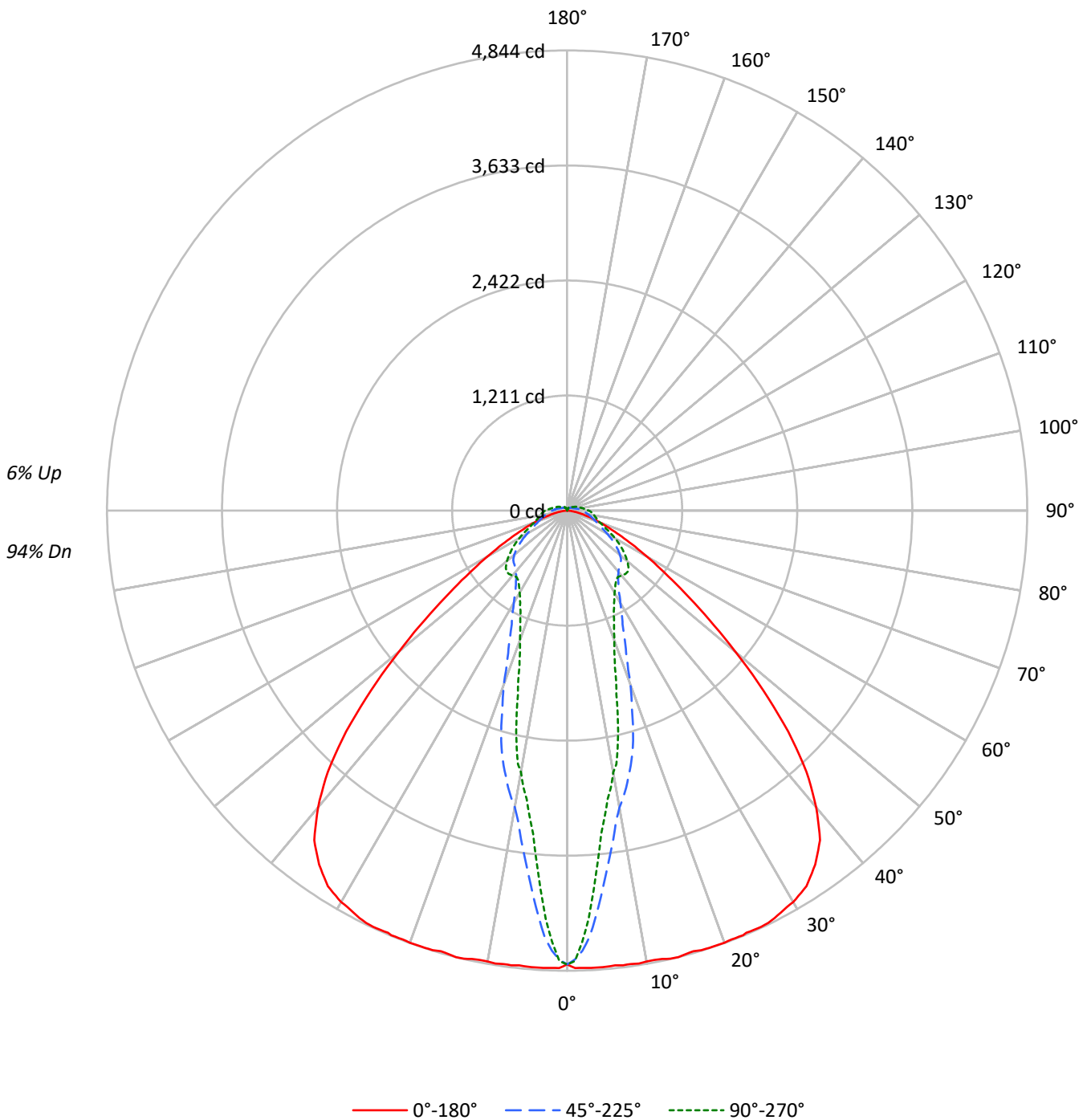
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5889.0 lumens  
Efficiency: N/A  
Efficacy: 116.2 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): 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: P567073

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

### 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	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

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

	0°	45°	90°
0°	51424	51424	51424
5°	51888	42237	37806
10°	52295	31885	27362
15°	53249	26064	18946
20°	54622	18860	13381
25°	56327	13512	10527
30°	57764	10795	8965
35°	58108	9131	8029
40°	55397	8300	8049
45°	48073	8020	8269
50°	36881	7627	7716
55°	26728	6669	6847
60°	19390	5567	5789
65°	14112	4707	4745
70°	10398	4158	4092
75°	7385	3850	3814
80°	4843	3604	3756
85°	2276	3436	3762



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.7	6.4
10°-20°	815.9	13.9
20°-30°	933.9	15.9
30°-40°	935.5	15.9
40°-50°	885.6	15.0
50°-60°	679.2	11.5
60°-70°	437.8	7.4
70°-80°	279.2	4.7
80°-90°	185.4	3.1
90°-100°	124.6	2.1
100°-110°	82.1	1.4
110°-120°	57.1	1.0
120°-130°	39.8	0.7
130°-140°	27.7	0.5
140°-150°	16.9	0.3
150°-160°	8.6	0.1
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	2125.5	36.1
0°-40°	3061.0	52.0
0°-60°	4625.8	78.6
0°-90°	5528.2	93.9
90°-120°	263.9	4.5
90°-150°	348.3	5.9
90°-180°	361.0	6.1
0°-180°	5889.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4777	4777	4777	4777	4777	
5°	4820	4554	4080	3806	3703	460
15°	4832	3480	2653	2179	2004	1370
25°	4835	2463	1403	1219	1162	2229
35°	4551	1370	939	908	896	2824
45°	3290	866	791	875	905	2501
55°	1509	619	610	685	712	1388
65°	604	389	383	438	453	621
75°	205	211	266	305	320	226
85°	27	97	187	244	263	37
90°	0	66	157	217	226	1
95°	0	48	130	178	187	0
105°	0	36	84	121	130	2
115°	3	30	63	88	94	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	



TEST NUMBER: P567073

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4777.4	4777.4	4777.4	4777.4	4777.4
1°	4816.7	4789.5	4726.1	4744.2	4741.2
2°	4816.7	4759.3	4635.6	4599.4	4545.1
3°	4819.7	4708.0	4496.8	4379.1	4303.6
4°	4819.7	4632.6	4291.5	4095.4	3998.8
5°	4819.7	4554.1	4080.3	3805.7	3703.0
6°	4813.7	4460.6	3866.0	3576.3	3422.4
7°	4822.7	4357.9	3672.9	3362.0	3241.3
8°	4819.7	4237.2	3494.8	3199.0	3066.3
9°	4828.7	4119.5	3301.7	3045.1	2945.5
10°	4819.7	4010.9	3174.9	2900.3	2797.7
11°	4819.7	3905.2	3084.4	2806.7	2719.2
12°	4825.7	3784.5	2984.8	2673.9	2553.2
13°	4840.8	3660.8	2870.1	2529.1	2387.2
14°	4843.8	3567.2	2764.5	2345.0	2197.1
15°	4831.8	3479.7	2652.8	2179.0	2003.9
16°	4825.7	3389.2	2520.0	2022.0	1865.1
17°	4837.8	3283.5	2369.1	1862.1	1717.2
18°	4840.8	3187.0	2209.2	1741.4	1614.6
19°	4840.8	3111.5	2079.4	1629.7	1521.1
20°	4840.8	3039.1	1946.6	1545.2	1451.6
21°	4834.8	2948.6	1795.7	1457.7	1379.2
22.5°	4837.8	2779.5	1623.7	1355.1	1291.7
23°	4828.7	2737.3	1581.4	1327.9	1261.5
24°	4831.8	2616.6	1490.9	1273.6	1210.2
25°	4834.8	2462.7	1403.4	1219.3	1161.9
26°	4828.7	2338.9	1330.9	1168.0	1128.7
27°	4813.7	2239.3	1279.6	1125.7	1089.5
28°	4792.5	2106.5	1225.3	1089.5	1056.3
29°	4771.4	1955.6	1171.0	1050.3	1026.1
30°	4759.3	1834.9	1119.7	1020.1	998.9
32.5°	4686.9	1596.5	1014.0	959.7	941.6
35°	4551.1	1370.2	938.6	908.4	896.3
37.5°	4373.0	1195.1	881.2	875.2	878.2
40°	4080.3	1056.3	839.0	866.2	893.3
42.5°	3730.2	947.6	808.8	875.2	905.4
45°	3289.6	866.2	790.7	875.2	905.4
47.5°	2800.7	799.8	769.6	845.0	875.2
50°	2311.8	739.4	727.3	799.8	826.9
52.5°	1880.2	682.1	673.0	742.4	769.6
55°	1509.0	618.7	609.6	685.1	712.2
57.5°	1210.2	558.3	549.3	618.7	645.8
60°	965.7	498.0	482.9	552.3	579.4
62.5°	769.6	440.6	431.6	491.9	516.1
65°	603.6	389.3	383.3	437.6	452.7



TEST NUMBER: P567073

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	476.8	341.0	344.0	389.3	407.4
70°	368.2	295.8	313.9	356.1	368.2
72.5°	277.7	250.5	289.7	325.9	341.0
75°	205.2	211.3	265.6	304.8	319.9
77.5°	141.8	175.0	244.5	286.7	301.8
80°	96.6	141.8	223.3	271.6	289.7
82.5°	57.3	117.7	205.2	256.5	277.7
85°	27.2	96.6	187.1	244.5	262.6
87.5°	9.1	78.5	169.0	232.4	247.5
90°	0.0	66.4	156.9	217.3	226.3
92.5°	0.0	57.3	141.8	199.2	205.2
95°	0.0	48.3	129.8	178.1	187.1
97.5°	0.0	45.3	120.7	160.0	172.0
100°	0.0	42.3	108.6	144.9	156.9
102.5°	0.0	36.2	96.6	129.8	141.8
105°	0.0	36.2	84.5	120.7	129.8
107.5°	3.0	33.2	78.5	108.6	120.7
110°	3.0	33.2	69.4	102.6	111.7
112.5°	3.0	33.2	66.4	93.6	105.6
115°	3.0	30.2	63.4	87.5	93.6
117.5°	3.0	30.2	60.4	78.5	84.5
120°	3.0	27.2	57.3	72.4	75.4
122.5°	3.0	27.2	54.3	66.4	69.4
125°	3.0	27.2	54.3	63.4	66.4
127.5°	3.0	24.1	51.3	60.4	60.4
130°	3.0	24.1	48.3	57.3	57.3
132.5°	3.0	21.1	45.3	54.3	57.3
135°	3.0	21.1	42.3	51.3	54.3
137.5°	3.0	18.1	39.2	48.3	51.3
140°	3.0	18.1	36.2	45.3	48.3
142.5°	3.0	15.1	33.2	42.3	45.3
145°	3.0	15.1	30.2	39.2	42.3
147.5°	3.0	15.1	27.2	36.2	39.2
150°	3.0	12.1	24.1	33.2	36.2
152.5°	3.0	12.1	21.1	30.2	33.2
155°	3.0	9.1	18.1	27.2	30.2
157.5°	3.0	9.1	18.1	24.1	27.2
160°	6.0	9.1	15.1	21.1	24.1
162.5°	3.0	6.0	15.1	18.1	21.1
165°	6.0	6.0	12.1	15.1	18.1
167.5°	6.0	6.0	9.1	12.1	15.1
170°	6.0	6.0	9.1	9.1	12.1
172.5°	6.0	6.0	6.0	9.1	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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CATALOG NUMBER: 4SNX-SL3-LC-UNV-CC93-CD-3500K-HI

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)