

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: P567096

Luminaire Tested: **4SNX-SL3-LN-UNV-CC93-CD-4000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567096  
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: 4SNX-SL3-LN-UNV-CC93-CD-4000K-MED  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, MED LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

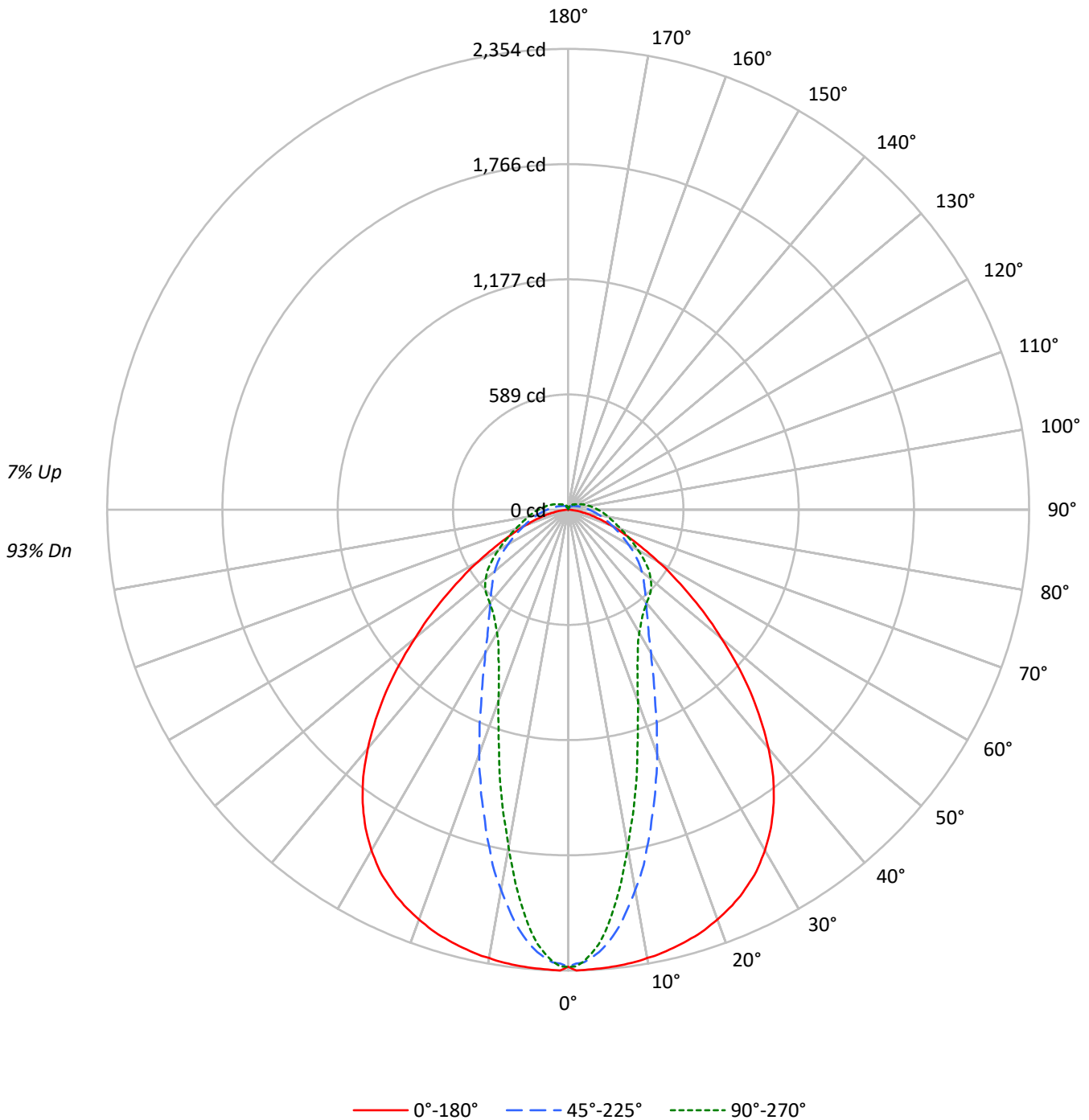
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3722.1 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 32.274  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P567096

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC93-CD-4000K-MED

### 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	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°	25133	25133	25133
5°	25263	23099	22106
10°	25229	19806	17151
15°	25216	16156	12855
20°	25135	12870	9620
25°	24907	10085	7635
30°	24386	8162	6512
35°	23361	6907	5924
40°	21610	6098	5607
45°	19212	5579	5433
50°	16276	5134	5133
55°	13371	4652	4688
60°	10692	4092	4112
65°	8300	3593	3579
70°	6444	3177	3165
75°	4985	2855	2884
80°	3520	2613	2681
85°	1958	2435	2572



TEST NUMBER: P567096

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.8	5.6
10°-20°	484.7	13.0
20°-30°	575.3	15.5
30°-40°	578.8	15.6
40°-50°	538.0	14.5
50°-60°	443.0	11.9
60°-70°	312.2	8.4
70°-80°	204.0	5.5
80°-90°	130.2	3.5
90°-100°	85.4	2.3
100°-110°	58.0	1.6
110°-120°	39.7	1.1
120°-130°	27.5	0.7
130°-140°	18.5	0.5
140°-150°	11.4	0.3
150°-160°	5.9	0.2
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1266.8	34.0
0°-40°	1845.6	49.6
0°-60°	2826.7	75.9
0°-90°	3473.1	93.3
90°-120°	183.1	4.9
90°-150°	240.6	6.5
90°-180°	249.0	6.7
0°-180°	3722.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2335	2335	2335	2335	2335	
5°	2347	2315	2232	2189	2165	223
15°	2288	2044	1644	1438	1360	646
25°	2138	1580	1048	880	843	984
35°	1830	1069	710	665	661	1138
45°	1315	704	550	579	595	1009
55°	755	462	425	472	488	682
65°	355	279	293	330	341	360
75°	138	144	197	232	242	150
85°	23	66	133	172	180	29
90°	0	45	107	146	152	1
95°	0	33	90	123	129	0
105°	0	23	60	86	94	0
115°	2	20	43	62	66	2
125°	2	16	35	45	49	2
135°	2	14	27	35	37	2
145°	2	10	20	27	29	1
155°	2	8	14	20	22	1
165°	2	4	8	10	12	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC93-CD-4000K-MED

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2334.9	2334.9	2334.9	2334.9	2334.9
1°	2354.4	2344.7	2319.3	2336.9	2333.0
2°	2352.5	2342.7	2313.5	2321.3	2307.6
3°	2350.5	2336.9	2292.0	2290.1	2270.6
4°	2348.6	2327.1	2264.7	2241.3	2225.7
5°	2346.6	2315.4	2231.5	2188.6	2165.2
6°	2344.7	2301.8	2188.6	2124.3	2091.1
7°	2340.8	2280.3	2143.8	2056.0	2013.1
8°	2336.9	2260.8	2087.2	1981.9	1929.2
9°	2333.0	2235.4	2030.6	1901.9	1839.5
10°	2325.2	2210.1	1972.1	1820.0	1753.6
11°	2321.3	2180.8	1915.5	1741.9	1663.9
12°	2313.5	2149.6	1855.1	1660.0	1591.7
13°	2305.7	2116.4	1780.9	1589.8	1507.8
14°	2297.9	2081.3	1716.6	1511.7	1435.7
15°	2288.1	2044.3	1644.4	1437.6	1359.6
16°	2278.4	2001.4	1580.0	1361.6	1279.6
17°	2268.6	1960.4	1519.6	1291.3	1217.2
18°	2256.9	1919.4	1449.3	1223.1	1150.9
19°	2241.3	1872.6	1392.8	1160.6	1094.3
20°	2227.6	1829.7	1328.4	1102.1	1043.6
21°	2212.0	1777.0	1264.0	1047.5	989.0
22.5°	2188.6	1702.9	1182.1	979.2	924.6
23°	2176.9	1681.5	1148.9	953.9	907.0
24°	2161.3	1624.9	1094.3	914.9	868.0
25°	2137.9	1580.0	1047.5	879.7	842.7
26°	2116.4	1525.4	1000.7	848.5	811.5
27°	2095.0	1472.7	959.7	815.4	784.2
28°	2067.7	1418.1	914.9	788.1	760.8
29°	2038.4	1367.4	877.8	764.7	743.2
30°	2009.2	1310.8	846.6	743.2	725.6
32.5°	1927.2	1186.0	766.6	702.2	690.5
35°	1829.7	1069.0	710.0	665.2	661.3
37.5°	1720.5	961.7	659.3	635.9	639.8
40°	1591.7	864.1	616.4	614.5	622.3
42.5°	1455.2	780.3	583.2	596.9	608.6
45°	1314.7	704.2	550.1	579.3	594.9
47.5°	1168.4	637.9	520.8	557.9	575.4
50°	1020.2	573.5	489.6	532.5	550.1
52.5°	887.5	516.9	458.4	503.3	522.8
55°	754.9	462.3	425.2	472.1	487.7
57.5°	639.8	411.6	390.1	436.9	448.6
60°	532.5	362.8	355.0	397.9	411.6
62.5°	435.0	319.9	321.9	362.8	376.5
65°	355.0	278.9	292.6	329.7	341.4



TEST NUMBER: P567096

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC93-CD-4000K-MED

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	288.7	239.9	263.3	302.3	312.1
70°	228.2	204.8	239.9	275.0	284.8
72.5°	181.4	173.6	216.5	253.6	261.4
75°	138.5	144.3	197.0	232.1	241.9
77.5°	99.5	120.9	177.5	214.6	222.4
80°	70.2	99.5	161.9	199.0	206.8
82.5°	44.9	81.9	146.3	185.3	193.1
85°	23.4	66.3	132.6	171.7	179.5
87.5°	9.8	54.6	119.0	158.0	165.8
90°	0.0	44.9	107.3	146.3	152.2
92.5°	0.0	39.0	97.5	134.6	140.4
95°	0.0	33.2	89.7	122.9	128.7
97.5°	0.0	31.2	80.0	113.1	119.0
100°	0.0	27.3	72.2	103.4	111.2
102.5°	0.0	25.4	66.3	93.6	101.4
105°	0.0	23.4	60.5	85.8	93.6
107.5°	0.0	21.5	56.6	80.0	85.8
110°	0.0	21.5	50.7	74.1	80.0
112.5°	2.0	19.5	46.8	66.3	72.2
115°	2.0	19.5	42.9	62.4	66.3
117.5°	2.0	19.5	41.0	56.6	60.5
120°	2.0	17.6	39.0	52.7	56.6
122.5°	2.0	17.6	37.1	48.8	50.7
125°	2.0	15.6	35.1	44.9	48.8
127.5°	2.0	15.6	33.2	42.9	44.9
130°	2.0	15.6	31.2	39.0	42.9
132.5°	2.0	13.7	29.3	37.1	39.0
135°	2.0	13.7	27.3	35.1	37.1
137.5°	2.0	11.7	25.4	33.2	35.1
140°	2.0	11.7	23.4	31.2	33.2
142.5°	2.0	9.8	21.5	29.3	31.2
145°	2.0	9.8	19.5	27.3	29.3
147.5°	2.0	9.8	17.6	25.4	27.3
150°	2.0	7.8	15.6	23.4	25.4
152.5°	2.0	7.8	13.7	21.5	23.4
155°	2.0	7.8	13.7	19.5	21.5
157.5°	2.0	5.9	11.7	15.6	19.5
160°	2.0	5.9	9.8	13.7	17.6
162.5°	2.0	5.9	9.8	11.7	13.7
165°	2.0	3.9	7.8	9.8	11.7
167.5°	2.0	3.9	5.9	7.8	9.8
170°	2.0	3.9	5.9	5.9	7.8
172.5°	2.0	3.9	3.9	3.9	3.9
175°	3.9	3.9	3.9	3.9	2.0
177.5°	3.9	3.9	3.9	2.0	2.0



TEST NUMBER: P567096

CATALOG NUMBER: 4SNX-SL3-LN-UNV-CC93-CD-4000K-MED

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)