

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: P567086

Luminaire Tested: **4SNX-SL3-LN-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567086  
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-CC83-CD-4000K-LOW  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

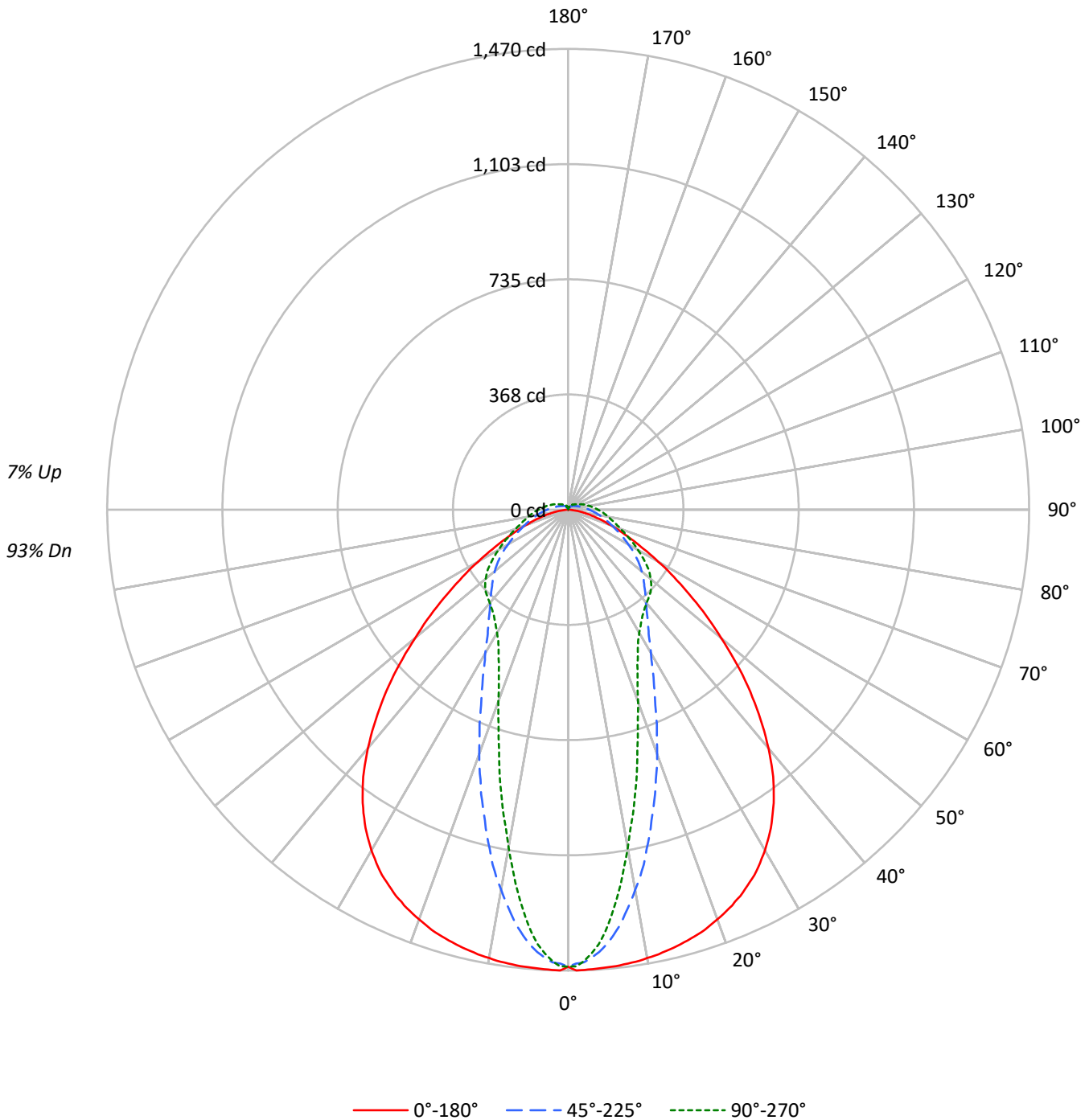
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2324.0 lumens  
Efficiency: N/A  
Efficacy: 144.0 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): 16.137  
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	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	68	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°	15693	15693	15693
5°	15774	14424	13803
10°	15752	12367	10709
15°	15745	10088	8026
20°	15694	8036	6006
25°	15552	6298	4767
30°	15226	5096	4066
35°	14587	4313	3699
40°	13494	3808	3501
45°	11996	3484	3393
50°	10162	3206	3205
55°	8350	2905	2927
60°	6676	2556	2568
65°	5183	2243	2234
70°	4024	1984	1976
75°	3113	1783	1800
80°	2196	1632	1674
85°	1221	1521	1606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.1	5.6
10°-20°	302.6	13.0
20°-30°	359.2	15.5
30°-40°	361.4	15.6
40°-50°	336.0	14.5
50°-60°	276.6	11.9
60°-70°	194.9	8.4
70°-80°	127.3	5.5
80°-90°	81.3	3.5
90°-100°	53.3	2.3
100°-110°	36.2	1.6
110°-120°	24.8	1.1
120°-130°	17.2	0.7
130°-140°	11.5	0.5
140°-150°	7.1	0.3
150°-160°	3.7	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	791.0	34.0
0°-40°	1152.4	49.6
0°-60°	1765.0	75.9
0°-90°	2168.6	93.3
90°-120°	114.3	4.9
90°-150°	150.2	6.5
90°-180°	155.0	6.7
0°-180°	2324.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1465	1446	1393	1367	1352	139
15°	1429	1276	1027	898	849	403
25°	1335	987	654	549	526	614
35°	1142	667	443	415	413	711
45°	821	440	344	362	372	630
55°	471	289	266	295	304	426
65°	222	174	183	206	213	225
75°	86	90	123	145	151	94
85°	15	41	83	107	112	18
90°	0	28	67	91	95	1
95°	0	21	56	77	80	0
105°	0	15	38	54	58	0
115°	1	12	27	39	41	1
125°	1	10	22	28	30	1
135°	1	8	17	22	23	1
145°	1	6	12	17	18	1
155°	1	5	8	12	13	1
165°	1	2	5	6	7	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1457.9	1457.9	1457.9	1457.9	1457.9
1°	1470.1	1464.0	1448.2	1459.1	1456.7
2°	1468.9	1462.8	1444.5	1449.4	1440.9
3°	1467.7	1459.1	1431.1	1429.9	1417.7
4°	1466.4	1453.0	1414.1	1399.5	1389.7
5°	1465.2	1445.7	1393.4	1366.6	1352.0
6°	1464.0	1437.2	1366.6	1326.4	1305.7
7°	1461.6	1423.8	1338.6	1283.7	1256.9
8°	1459.1	1411.6	1303.2	1237.5	1204.6
9°	1456.7	1395.8	1267.9	1187.5	1148.5
10°	1451.8	1380.0	1231.4	1136.4	1095.0
11°	1449.4	1361.7	1196.1	1087.7	1038.9
12°	1444.5	1342.2	1158.3	1036.5	993.9
13°	1439.6	1321.5	1112.0	992.6	941.5
14°	1434.8	1299.6	1071.8	943.9	896.4
15°	1428.7	1276.4	1026.8	897.6	848.9
16°	1422.6	1249.6	986.6	850.1	799.0
17°	1416.5	1224.1	948.8	806.3	760.0
18°	1409.2	1198.5	905.0	763.7	718.6
19°	1399.5	1169.3	869.6	724.7	683.3
20°	1390.9	1142.5	829.4	688.2	651.6
21°	1381.2	1109.6	789.2	654.1	617.5
22.5°	1366.6	1063.3	738.1	611.4	577.3
23°	1359.3	1049.9	717.4	595.6	566.4
24°	1349.5	1014.6	683.3	571.2	542.0
25°	1334.9	986.6	654.1	549.3	526.2
26°	1321.5	952.5	624.8	529.8	506.7
27°	1308.1	919.6	599.2	509.1	489.6
28°	1291.1	885.5	571.2	492.1	475.0
29°	1272.8	853.8	548.1	477.4	464.0
30°	1254.5	818.5	528.6	464.0	453.1
32.5°	1203.4	740.5	478.7	438.5	431.2
35°	1142.5	667.4	443.3	415.3	412.9
37.5°	1074.3	600.5	411.7	397.1	399.5
40°	993.9	539.6	384.9	383.7	388.5
42.5°	908.6	487.2	364.2	372.7	380.0
45°	820.9	439.7	343.5	361.7	371.5
47.5°	729.6	398.3	325.2	348.3	359.3
50°	637.0	358.1	305.7	332.5	343.5
52.5°	554.2	322.8	286.2	314.2	326.4
55°	471.4	288.7	265.5	294.7	304.5
57.5°	399.5	257.0	243.6	272.8	280.1
60°	332.5	226.5	221.7	248.5	257.0
62.5°	271.6	199.7	201.0	226.5	235.1
65°	221.7	174.2	182.7	205.8	213.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	180.3	149.8	164.4	188.8	194.9
70°	142.5	127.9	149.8	171.7	177.8
72.5°	113.3	108.4	135.2	158.3	163.2
75°	86.5	90.1	123.0	144.9	151.0
77.5°	62.1	75.5	110.8	134.0	138.8
80°	43.8	62.1	101.1	124.2	129.1
82.5°	28.0	51.2	91.3	115.7	120.6
85°	14.6	41.4	82.8	107.2	112.1
87.5°	6.1	34.1	74.3	98.7	103.5
90°	0.0	28.0	67.0	91.3	95.0
92.5°	0.0	24.4	60.9	84.0	87.7
95°	0.0	20.7	56.0	76.7	80.4
97.5°	0.0	19.5	49.9	70.6	74.3
100°	0.0	17.1	45.1	64.6	69.4
102.5°	0.0	15.8	41.4	58.5	63.3
105°	0.0	14.6	37.8	53.6	58.5
107.5°	0.0	13.4	35.3	49.9	53.6
110°	0.0	13.4	31.7	46.3	49.9
112.5°	1.2	12.2	29.2	41.4	45.1
115°	1.2	12.2	26.8	39.0	41.4
117.5°	1.2	12.2	25.6	35.3	37.8
120°	1.2	11.0	24.4	32.9	35.3
122.5°	1.2	11.0	23.1	30.4	31.7
125°	1.2	9.7	21.9	28.0	30.4
127.5°	1.2	9.7	20.7	26.8	28.0
130°	1.2	9.7	19.5	24.4	26.8
132.5°	1.2	8.5	18.3	23.1	24.4
135°	1.2	8.5	17.1	21.9	23.1
137.5°	1.2	7.3	15.8	20.7	21.9
140°	1.2	7.3	14.6	19.5	20.7
142.5°	1.2	6.1	13.4	18.3	19.5
145°	1.2	6.1	12.2	17.1	18.3
147.5°	1.2	6.1	11.0	15.8	17.1
150°	1.2	4.9	9.7	14.6	15.8
152.5°	1.2	4.9	8.5	13.4	14.6
155°	1.2	4.9	8.5	12.2	13.4
157.5°	1.2	3.7	7.3	9.7	12.2
160°	1.2	3.7	6.1	8.5	11.0
162.5°	1.2	3.7	6.1	7.3	8.5
165°	1.2	2.4	4.9	6.1	7.3
167.5°	1.2	2.4	3.7	4.9	6.1
170°	1.2	2.4	3.7	3.7	4.9
172.5°	1.2	2.4	2.4	2.4	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)