

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: P566566

Luminaire Tested: **4SNX-57SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566566  
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: 4SNX-57SL-FDL-UNV-L830-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

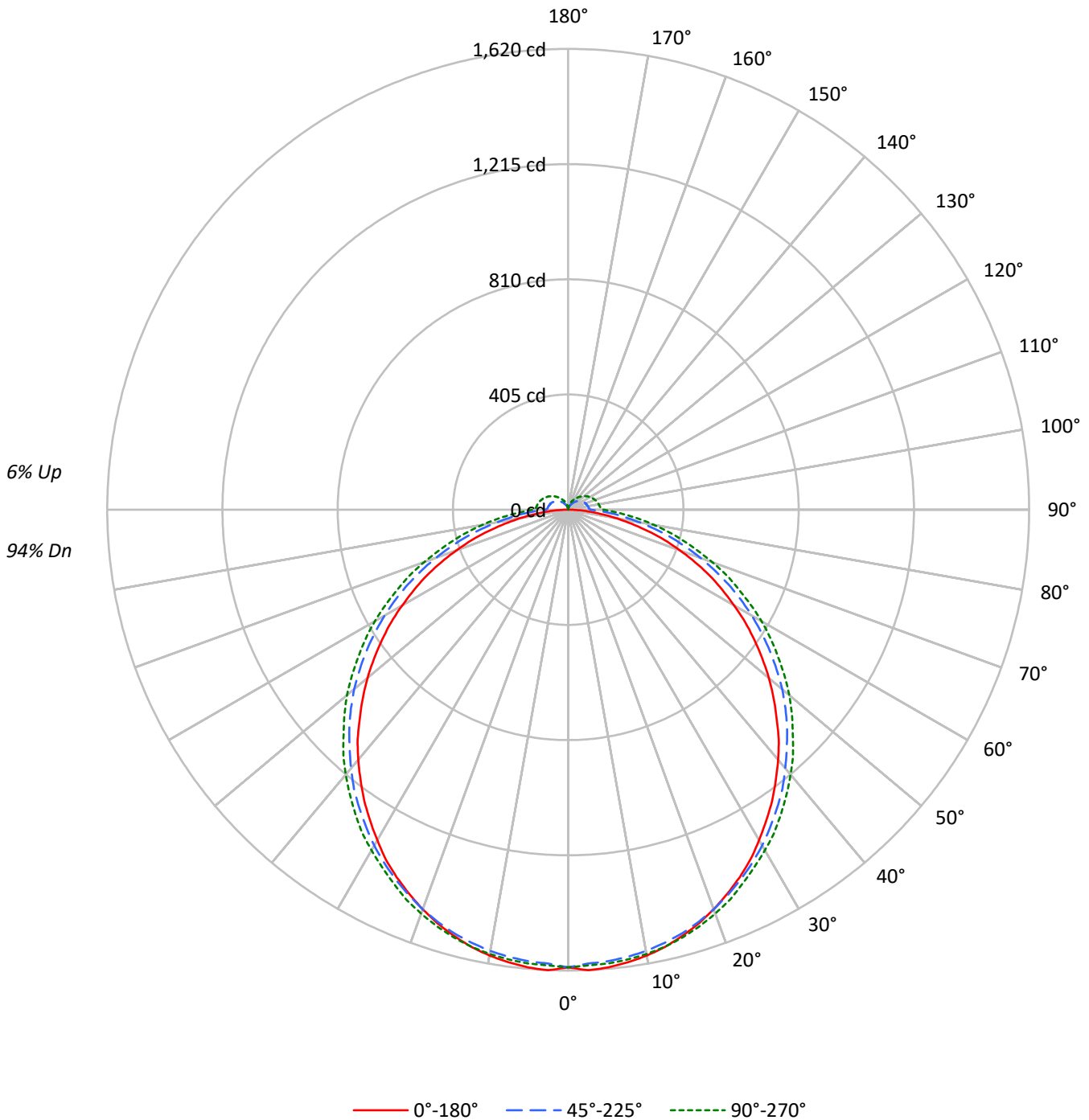
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5112.0 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 39.7  
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

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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	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°	17316	17316	17316
5°	17434	17029	17054
10°	17363	16845	16840
15°	17232	16632	16599
20°	17056	16374	16317
25°	16852	16090	15981
30°	16575	15802	15673
35°	16297	15464	15350
40°	15990	15091	14988
45°	15602	14720	14564
50°	15229	14299	14177
55°	14763	13777	13639
60°	14242	13180	13112
65°	13690	12468	12382
70°	12740	11574	11627
75°	11597	10521	10723
80°	9909	9123	9722
85°	7792	7909	8545



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.6	3.0
10°-20°	437.8	8.6
20°-30°	663.4	13.0
30°-40°	800.9	15.7
40°-50°	836.3	16.4
50°-60°	768.3	15.0
60°-70°	607.6	11.9
70°-80°	384.5	7.5
80°-90°	165.3	3.2
90°-100°	72.7	1.4
100°-110°	65.1	1.3
110°-120°	55.0	1.1
120°-130°	42.9	0.8
130°-140°	29.7	0.6
140°-150°	17.8	0.3
150°-160°	8.7	0.2
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	1253.7	24.5
0°-40°	2054.6	40.2
0°-60°	3659.3	71.6
0°-90°	4816.6	94.2
90°-120°	192.9	3.8
90°-150°	283.2	5.5
90°-180°	295.0	5.8
0°-180°	5112.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1609	1609	1609	1609	1609	
5°	1615	1610	1593	1607	1601	153
15°	1551	1551	1543	1559	1556	438
25°	1426	1432	1434	1453	1450	657
35°	1249	1264	1280	1300	1304	781
45°	1036	1061	1088	1109	1116	800
55°	798	831	865	894	900	714
65°	550	580	621	650	660	541
75°	290	324	371	403	418	307
85°	71	109	156	189	201	78
90°	4	39	80	111	123	6
95°	1	34	72	101	112	1
105°	1	31	68	95	105	1
115°	1	26	62	86	95	1
125°	2	24	52	74	82	2
135°	2	18	42	59	66	1
145°	2	14	29	44	49	1
155°	2	9	19	28	34	1
165°	3	6	10	14	19	1
175°	3	4	4	4	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1620.4	1615.0	1596.9	1609.6	1603.2
5°	1615.0	1610.5	1593.3	1606.8	1601.4
7.5°	1605.0	1601.4	1586.0	1600.5	1595.1
10°	1591.5	1588.7	1575.2	1589.6	1586.0
12.5°	1574.3	1573.3	1559.8	1576.1	1573.3
15°	1550.7	1550.7	1542.6	1558.9	1556.1
17.5°	1525.4	1526.3	1519.9	1537.1	1535.3
20°	1494.6	1499.1	1494.6	1512.7	1510.9
22.5°	1461.1	1467.4	1465.6	1483.7	1484.6
25°	1425.8	1432.1	1433.9	1452.9	1450.2
27.5°	1386.9	1396.8	1400.4	1417.6	1416.7
30°	1341.6	1355.2	1363.3	1377.8	1382.3
32.5°	1295.4	1311.7	1321.7	1341.6	1347.0
35°	1249.3	1263.7	1280.0	1300.0	1304.5
37.5°	1198.6	1214.9	1236.6	1255.6	1261.0
40°	1147.9	1166.0	1186.8	1207.6	1215.8
42.5°	1095.4	1114.4	1137.0	1161.5	1169.6
45°	1035.6	1061.0	1088.1	1108.9	1116.2
47.5°	978.6	1006.7	1035.6	1058.3	1066.4
50°	920.7	950.5	981.3	1002.1	1014.8
52.5°	860.0	892.6	923.4	949.6	957.8
55°	798.4	831.0	865.4	893.5	899.8
57.5°	738.7	770.4	804.8	831.0	843.7
60°	673.5	707.9	745.0	771.3	784.9
62.5°	610.1	643.6	683.5	711.5	722.4
65°	549.5	580.3	621.0	650.0	659.9
67.5°	482.5	517.8	556.7	590.2	602.9
70°	416.4	449.9	494.3	526.0	538.6
72.5°	354.9	387.5	431.8	463.5	475.3
75°	289.7	324.1	371.2	402.8	418.2
77.5°	227.2	265.2	310.5	344.9	362.1
80°	169.3	202.8	251.7	289.7	305.1
82.5°	115.0	151.2	201.9	237.2	254.4
85°	70.6	108.6	155.7	189.2	201.0
87.5°	33.5	69.7	113.2	145.7	160.2
90°	4.5	38.9	79.7	111.3	123.1
92.5°	0.9	33.5	73.3	103.2	114.1
95°	0.9	33.5	72.4	101.4	112.3
97.5°	0.9	32.6	71.5	100.5	110.4
100°	0.9	31.7	70.6	98.7	109.5
102.5°	0.9	31.7	68.8	96.9	106.8
105°	0.9	30.8	67.9	95.1	105.0
107.5°	0.9	29.9	66.1	93.2	103.2
110°	0.9	28.1	65.2	90.5	100.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	27.2	63.4	88.7	97.8
115°	0.9	26.3	61.6	86.0	95.1
117.5°	0.9	25.3	58.8	83.3	92.3
120°	1.8	25.3	57.0	80.6	88.7
122.5°	1.8	24.4	54.3	76.9	85.1
125°	1.8	23.5	51.6	74.2	82.4
127.5°	1.8	22.6	48.9	70.6	77.9
130°	1.8	20.8	47.1	67.0	74.2
132.5°	1.8	19.9	44.4	62.5	69.7
135°	1.8	18.1	41.6	58.8	66.1
137.5°	1.8	17.2	38.9	55.2	61.6
140°	1.8	16.3	35.3	51.6	57.9
142.5°	1.8	14.5	32.6	48.0	53.4
145°	1.8	13.6	29.0	44.4	48.9
147.5°	1.8	11.8	26.3	40.7	45.3
150°	1.8	10.9	23.5	37.1	41.6
152.5°	1.8	10.0	20.8	32.6	37.1
155°	1.8	9.1	19.0	28.1	33.5
157.5°	1.8	8.1	16.3	24.4	29.9
160°	2.7	7.2	14.5	20.8	25.3
162.5°	2.7	6.3	11.8	17.2	22.6
165°	2.7	6.3	10.0	13.6	19.0
167.5°	2.7	5.4	8.1	10.9	15.4
170°	2.7	4.5	7.2	8.1	11.8
172.5°	2.7	3.6	5.4	5.4	6.3
175°	2.7	3.6	4.5	4.5	2.7
177.5°	2.7	2.7	2.7	2.7	1.8
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)