

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: P566567

Luminaire Tested: **4SNX-57SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566567  
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-L835-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

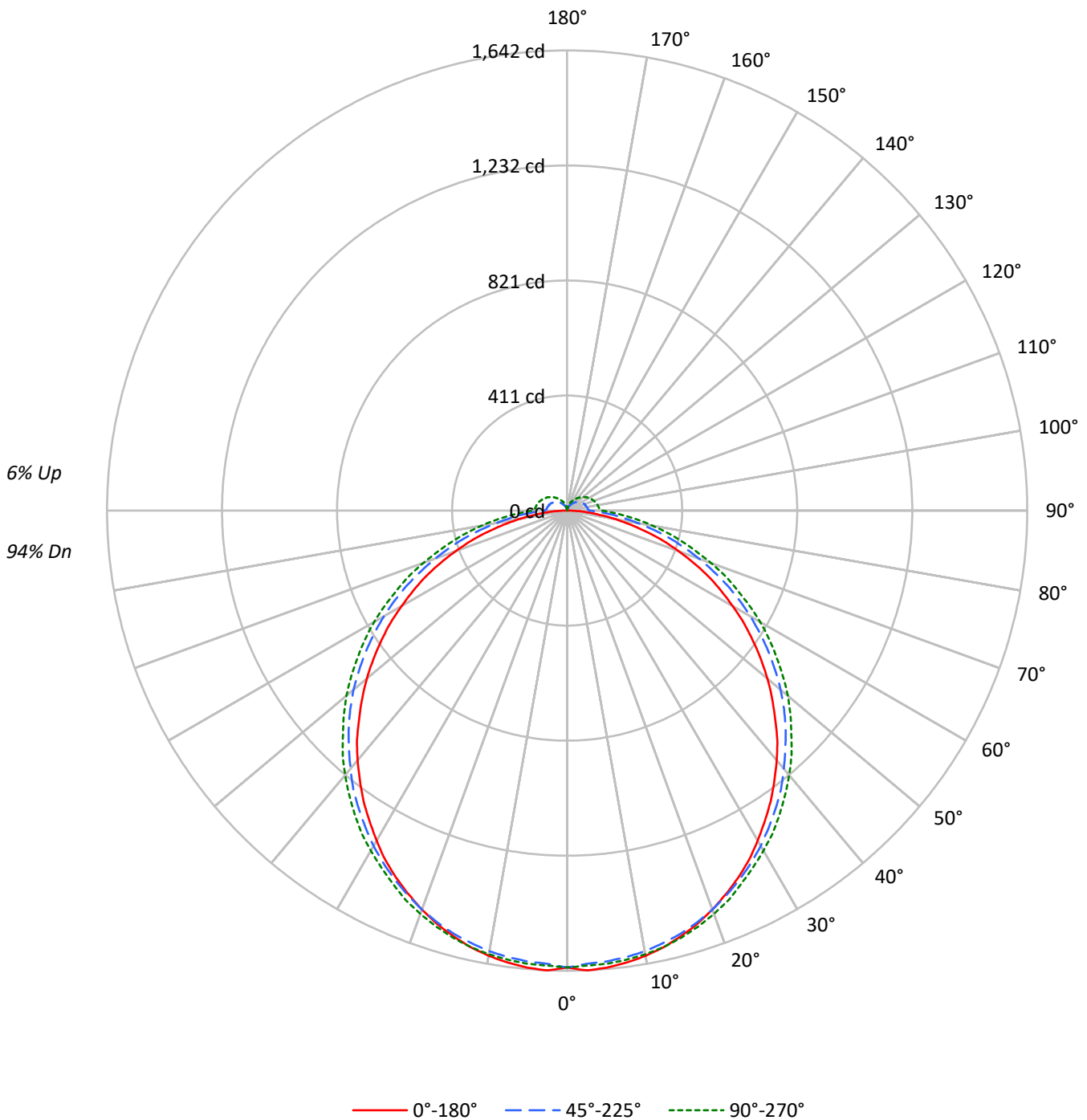
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5181.0 lumens  
Efficiency: N/A  
Efficacy: 130.5 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 (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	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°	17549	17549	17549
5°	17670	17259	17285
10°	17597	17072	17067
15°	17465	16856	16823
20°	17286	16595	16537
25°	17079	16308	16197
30°	16799	16015	15885
35°	16516	15673	15557
40°	16206	15294	15190
45°	15813	14919	14761
50°	15434	14491	14369
55°	14963	13963	13824
60°	14434	13358	13289
65°	13874	12637	12549
70°	12911	11729	11784
75°	11753	10663	10869
80°	10044	9247	9853
85°	7902	8016	8660



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.6	3.0
10°-20°	443.7	8.6
20°-30°	672.4	13.0
30°-40°	811.7	15.7
40°-50°	847.6	16.4
50°-60°	778.7	15.0
60°-70°	615.8	11.9
70°-80°	389.7	7.5
80°-90°	167.5	3.2
90°-100°	73.7	1.4
100°-110°	66.0	1.3
110°-120°	55.7	1.1
120°-130°	43.4	0.8
130°-140°	30.1	0.6
140°-150°	18.0	0.3
150°-160°	8.8	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1270.7	24.5
0°-40°	2082.4	40.2
0°-60°	3708.7	71.6
0°-90°	4881.7	94.2
90°-120°	195.4	3.8
90°-150°	287.0	5.5
90°-180°	299.0	5.8
0°-180°	5181.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1630	1630	1630	1630	1630	
5°	1637	1632	1615	1628	1623	155
15°	1572	1572	1563	1580	1577	443
25°	1445	1452	1453	1473	1470	665
35°	1266	1281	1297	1318	1322	792
45°	1050	1075	1103	1124	1131	811
55°	809	842	877	906	912	724
65°	557	588	629	659	669	548
75°	294	328	376	408	424	311
85°	72	110	158	192	204	79
90°	5	40	81	113	125	6
95°	1	34	73	103	114	1
105°	1	31	69	96	106	1
115°	1	27	62	87	96	1
125°	2	24	52	75	84	2
135°	2	18	42	60	67	1
145°	2	14	29	45	50	1
155°	2	9	19	28	34	1
165°	3	6	10	14	19	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1630.4	1630.4	1630.4	1630.4	1630.4
2.5°	1642.3	1636.8	1618.4	1631.3	1624.9
5°	1636.8	1632.2	1614.8	1628.5	1623.0
7.5°	1626.7	1623.0	1607.4	1622.1	1616.6
10°	1612.9	1610.2	1596.4	1611.1	1607.4
12.5°	1595.5	1594.6	1580.8	1597.3	1594.6
15°	1571.6	1571.6	1563.4	1579.9	1577.1
17.5°	1546.0	1546.9	1540.5	1557.9	1556.0
20°	1514.8	1519.3	1514.8	1533.1	1531.3
22.5°	1480.8	1487.2	1485.4	1503.8	1504.7
25°	1445.0	1451.5	1453.3	1472.6	1469.8
27.5°	1405.6	1415.7	1419.3	1436.8	1435.9
30°	1359.7	1373.5	1381.7	1396.4	1401.0
32.5°	1312.9	1329.4	1339.5	1359.7	1365.2
35°	1266.1	1280.8	1297.3	1317.5	1322.1
37.5°	1214.7	1231.3	1253.3	1272.5	1278.1
40°	1163.4	1181.7	1202.8	1223.9	1232.2
42.5°	1110.2	1129.4	1152.4	1177.1	1185.4
45°	1049.6	1075.3	1102.8	1123.9	1131.3
47.5°	991.8	1020.2	1049.6	1072.5	1080.8
50°	933.1	963.4	994.5	1015.7	1028.5
52.5°	871.6	904.6	935.8	962.4	970.7
55°	809.2	842.2	877.1	905.6	912.0
57.5°	748.7	780.8	815.6	842.2	855.1
60°	682.6	717.5	755.1	781.7	795.5
62.5°	618.4	652.3	692.7	721.1	732.1
65°	556.9	588.1	629.4	658.8	668.8
67.5°	489.0	524.8	564.3	598.2	611.0
70°	422.0	456.0	500.9	533.1	545.9
72.5°	359.7	392.7	437.6	469.8	481.7
75°	293.6	328.5	376.2	408.3	423.9
77.5°	230.3	268.8	314.7	349.6	367.0
80°	171.6	205.5	255.1	293.6	309.2
82.5°	116.5	153.2	204.6	240.4	257.8
85°	71.6	110.1	157.8	191.8	203.7
87.5°	33.9	70.6	114.7	147.7	162.4
90°	4.6	39.5	80.7	112.9	124.8
92.5°	0.9	33.9	74.3	104.6	115.6
95°	0.9	33.9	73.4	102.8	113.8
97.5°	0.9	33.0	72.5	101.8	111.9
100°	0.9	32.1	71.6	100.0	111.0
102.5°	0.9	32.1	69.7	98.2	108.3
105°	0.9	31.2	68.8	96.3	106.4
107.5°	0.9	30.3	67.0	94.5	104.6
110°	0.9	28.4	66.1	91.7	101.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	27.5	64.2	89.9	99.1
115°	0.9	26.6	62.4	87.2	96.3
117.5°	0.9	25.7	59.6	84.4	93.6
120°	1.8	25.7	57.8	81.7	89.9
122.5°	1.8	24.8	55.0	78.0	86.2
125°	1.8	23.9	52.3	75.2	83.5
127.5°	1.8	22.9	49.5	71.6	78.9
130°	1.8	21.1	47.7	67.9	75.2
132.5°	1.8	20.2	45.0	63.3	70.6
135°	1.8	18.3	42.2	59.6	67.0
137.5°	1.8	17.4	39.5	56.0	62.4
140°	1.8	16.5	35.8	52.3	58.7
142.5°	1.8	14.7	33.0	48.6	54.1
145°	1.8	13.8	29.4	45.0	49.5
147.5°	1.8	11.9	26.6	41.3	45.9
150°	1.8	11.0	23.9	37.6	42.2
152.5°	1.8	10.1	21.1	33.0	37.6
155°	1.8	9.2	19.3	28.4	33.9
157.5°	1.8	8.3	16.5	24.8	30.3
160°	2.8	7.3	14.7	21.1	25.7
162.5°	2.8	6.4	11.9	17.4	22.9
165°	2.8	6.4	10.1	13.8	19.3
167.5°	2.8	5.5	8.3	11.0	15.6
170°	2.8	4.6	7.3	8.3	11.9
172.5°	2.8	3.7	5.5	5.5	6.4
175°	2.8	3.7	4.6	4.6	2.8
177.5°	2.8	2.8	2.8	2.8	1.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)