

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: P566715

Luminaire Tested: **4SNX-67SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

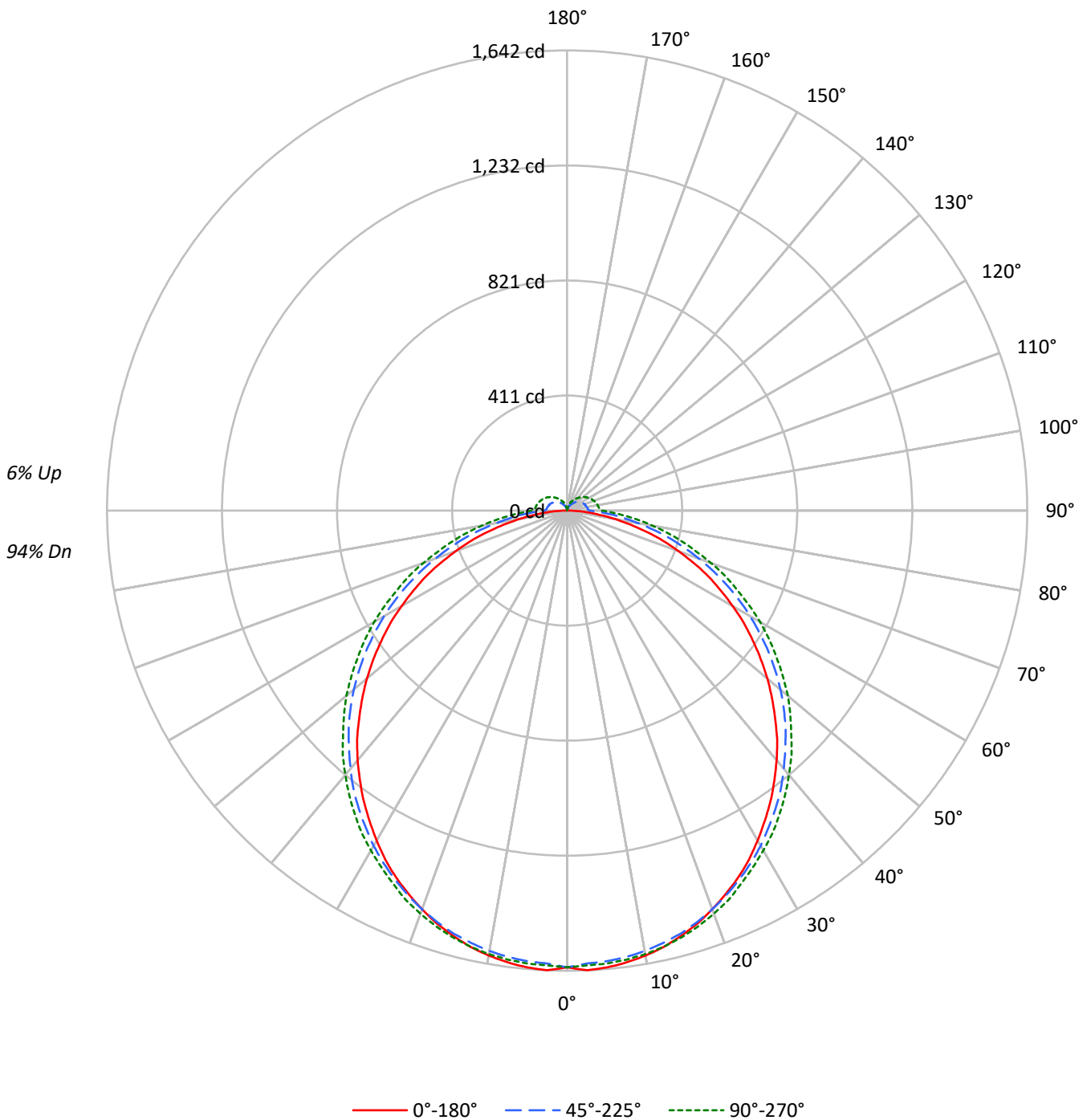
Test Method: LM-79-08  
Report Number: P566715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-67SL-FDL-UNV-L935-CD  
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5179.0 lumens  
Efficiency: N/A  
Efficacy: 108.1 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): 47.9  
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	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°	17542	17542	17542
5°	17663	17251	17278
10°	17590	17065	17061
15°	17458	16850	16817
20°	17279	16589	16531
25°	17073	16301	16191
30°	16793	16010	15879
35°	16510	15667	15551
40°	16199	15289	15184
45°	15807	14914	14754
50°	15427	14487	14363
55°	14958	13958	13818
60°	14428	13353	13282
65°	13869	12631	12545
70°	12908	11727	11780
75°	11749	10657	10864
80°	10038	9243	9850
85°	7891	8011	8656



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.6	3.0
10°-20°	443.5	8.6
20°-30°	672.1	13.0
30°-40°	811.4	15.7
40°-50°	847.3	16.4
50°-60°	778.4	15.0
60°-70°	615.5	11.9
70°-80°	389.6	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°	1270.2	24.5
0°-40°	2081.6	40.2
0°-60°	3707.2	71.6
0°-90°	4879.8	94.2
90°-120°	195.4	3.8
90°-150°	286.9	5.5
90°-180°	299.0	5.8
0°-180°	5179.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1630	1630	1630	1630	1630	
5°	1636	1632	1614	1628	1622	155
15°	1571	1571	1563	1579	1576	443
25°	1444	1451	1453	1472	1469	665
35°	1266	1280	1297	1317	1322	791
45°	1049	1075	1102	1124	1131	810
55°	809	842	877	905	912	724
65°	557	588	629	658	669	548
75°	294	328	376	408	424	311
85°	72	110	158	192	204	79
90°	5	39	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°	1629.7	1629.7	1629.7	1629.7	1629.7
2.5°	1641.7	1636.2	1617.8	1630.7	1624.2
5°	1636.2	1631.6	1614.1	1627.9	1622.4
7.5°	1626.1	1622.4	1606.8	1621.5	1616.0
10°	1612.3	1609.6	1595.8	1610.5	1606.8
12.5°	1594.9	1594.0	1580.2	1596.7	1594.0
15°	1571.0	1571.0	1562.8	1579.3	1576.5
17.5°	1545.4	1546.3	1539.9	1557.3	1555.4
20°	1514.2	1518.8	1514.2	1532.5	1530.7
22.5°	1480.2	1486.7	1484.8	1503.2	1504.1
25°	1444.5	1450.9	1452.7	1472.0	1469.2
27.5°	1405.0	1415.1	1418.8	1436.2	1435.3
30°	1359.2	1372.9	1381.2	1395.9	1400.5
32.5°	1312.4	1328.9	1339.0	1359.2	1364.7
35°	1265.6	1280.3	1296.8	1317.0	1321.6
37.5°	1214.3	1230.8	1252.8	1272.1	1277.6
40°	1162.9	1181.3	1202.4	1223.4	1231.7
42.5°	1109.7	1129.0	1151.9	1176.7	1184.9
45°	1049.2	1074.9	1102.4	1123.5	1130.8
47.5°	991.4	1019.8	1049.2	1072.1	1080.4
50°	932.7	963.0	994.2	1015.3	1028.1
52.5°	871.3	904.3	935.5	962.1	970.3
55°	808.9	841.9	876.8	905.2	911.6
57.5°	748.4	780.5	815.3	841.9	854.8
60°	682.3	717.2	754.8	781.4	795.1
62.5°	618.1	652.1	692.4	720.9	731.9
65°	556.7	587.9	629.1	658.5	668.6
67.5°	488.8	524.6	564.0	598.0	610.8
70°	421.9	455.8	500.8	532.9	545.7
72.5°	359.5	392.5	437.5	469.6	481.5
75°	293.5	328.3	376.0	408.1	423.7
77.5°	230.2	268.7	314.6	349.4	366.9
80°	171.5	205.4	255.0	293.5	309.1
82.5°	116.5	153.2	204.5	240.3	257.7
85°	71.5	110.1	157.7	191.7	203.6
87.5°	33.9	70.6	114.6	147.7	162.3
90°	4.6	39.4	80.7	112.8	124.7
92.5°	0.9	33.9	74.3	104.6	115.6
95°	0.9	33.9	73.4	102.7	113.7
97.5°	0.9	33.0	72.5	101.8	111.9
100°	0.9	32.1	71.5	100.0	111.0
102.5°	0.9	32.1	69.7	98.1	108.2
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	66.0	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	99.0
115°	0.9	26.6	62.4	87.1	96.3
117.5°	0.9	25.7	59.6	84.4	93.5
120°	1.8	25.7	57.8	81.6	89.9
122.5°	1.8	24.8	55.0	78.0	86.2
125°	1.8	23.8	52.3	75.2	83.5
127.5°	1.8	22.9	49.5	71.5	78.9
130°	1.8	21.1	47.7	67.9	75.2
132.5°	1.8	20.2	44.9	63.3	70.6
135°	1.8	18.3	42.2	59.6	67.0
137.5°	1.8	17.4	39.4	55.9	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	29.3	44.9	49.5
147.5°	1.8	11.9	26.6	41.3	45.9
150°	1.8	11.0	23.8	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)