

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: P567058

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC93-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567058
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-SL3-FDL-UNV-CC93-CD-4000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

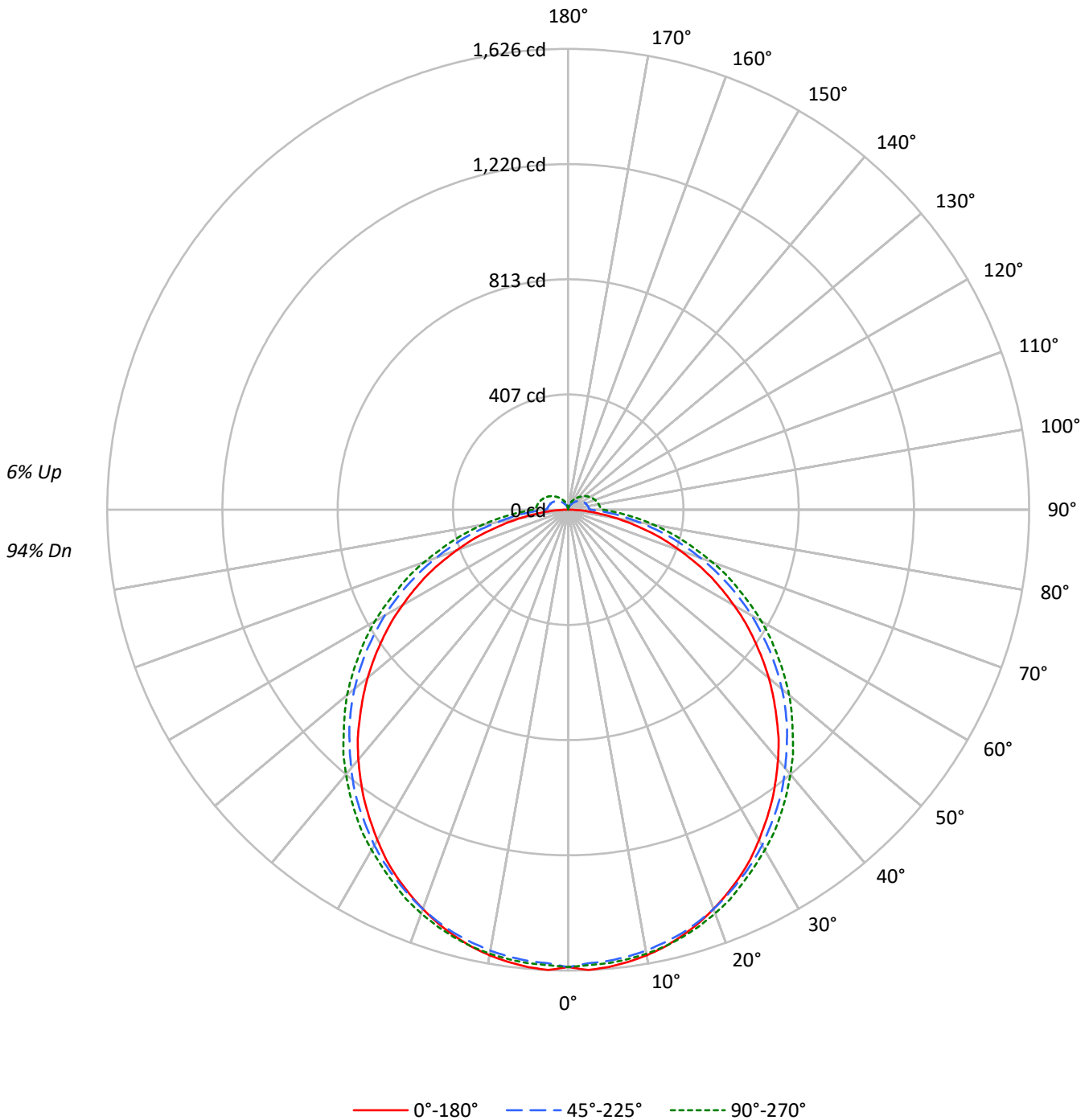
Lumens per Lamp: N/A
Luminaire Lumens: 5128.0 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 48.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	17370	17370	17370
5°	17488	17081	17108
10°	17417	16897	16893
15°	17287	16684	16652
20°	17109	16425	16368
25°	16904	16141	16032
30°	16627	15852	15723
35°	16348	15512	15398
40°	16040	15138	15034
45°	15652	14766	14610
50°	15275	14344	14222
55°	14810	13820	13682
60°	14286	13222	13152
65°	13732	12509	12421
70°	12780	11610	11663
75°	11633	10552	10756
80°	9938	9152	9751
85°	7814	7935	8571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.0	3.0
10°-20°	439.1	8.6
20°-30°	665.5	13.0
30°-40°	803.4	15.7
40°-50°	838.9	16.4
50°-60°	770.7	15.0
60°-70°	609.5	11.9
70°-80°	385.7	7.5
80°-90°	165.8	3.2
90°-100°	73.0	1.4
100°-110°	65.3	1.3
110°-120°	55.2	1.1
120°-130°	43.0	0.8
130°-140°	29.8	0.6
140°-150°	17.9	0.3
150°-160°	8.7	0.2
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	1257.7	24.5
0°-40°	2061.1	40.2
0°-60°	3670.7	71.6
0°-90°	4831.7	94.2
90°-120°	193.4	3.8
90°-150°	284.1	5.5
90°-180°	296.0	5.8
0°-180°	5128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1614	1614	1614	1614	1614	
5°	1620	1616	1598	1612	1606	154
15°	1556	1556	1547	1564	1561	439
25°	1430	1437	1438	1458	1455	659
35°	1253	1268	1284	1304	1309	783
45°	1039	1064	1092	1112	1120	802
55°	801	834	868	896	903	717
65°	551	582	623	652	662	543
75°	291	325	372	404	420	308
85°	71	109	156	190	202	78
90°	4	39	80	112	124	6
95°	1	34	73	102	113	1
105°	1	31	68	95	105	1
115°	1	26	62	86	95	1
125°	2	24	52	74	83	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°	1613.7	1613.7	1613.7	1613.7	1613.7
2.5°	1625.5	1620.0	1601.9	1614.6	1608.2
5°	1620.0	1615.5	1598.2	1611.9	1606.4
7.5°	1610.1	1606.4	1591.0	1605.5	1600.1
10°	1596.4	1593.7	1580.1	1594.6	1591.0
12.5°	1579.2	1578.3	1564.6	1581.0	1578.3
15°	1555.6	1555.6	1547.4	1563.7	1561.0
17.5°	1530.1	1531.0	1524.7	1541.9	1540.1
20°	1499.3	1503.8	1499.3	1517.4	1515.6
22.5°	1465.7	1472.0	1470.2	1488.4	1489.3
25°	1430.2	1436.6	1438.4	1457.5	1454.8
27.5°	1391.2	1401.2	1404.8	1422.1	1421.2
30°	1345.8	1359.4	1367.6	1382.1	1386.7
32.5°	1299.5	1315.8	1325.8	1345.8	1351.2
35°	1253.2	1267.7	1284.0	1304.0	1308.6
37.5°	1202.3	1218.7	1240.5	1259.5	1265.0
40°	1151.5	1169.6	1190.5	1211.4	1219.6
42.5°	1098.8	1117.9	1140.6	1165.1	1173.3
45°	1038.9	1064.3	1091.5	1112.4	1119.7
47.5°	981.7	1009.8	1038.9	1061.6	1069.7
50°	923.5	953.5	984.4	1005.3	1018.0
52.5°	862.7	895.4	926.3	952.6	960.8
55°	800.9	833.6	868.1	896.3	902.6
57.5°	741.0	772.8	807.3	833.6	846.3
60°	675.6	710.1	747.4	773.7	787.3
62.5°	612.1	645.7	685.6	713.8	724.7
65°	551.2	582.1	623.0	652.0	662.0
67.5°	484.0	519.4	558.5	592.1	604.8
70°	417.7	451.3	495.8	527.6	540.3
72.5°	356.0	388.7	433.2	464.9	476.7
75°	290.6	325.1	372.3	404.1	419.5
77.5°	227.9	266.1	311.5	346.0	363.2
80°	169.8	203.4	252.5	290.6	306.0
82.5°	115.3	151.7	202.5	237.9	255.2
85°	70.8	109.0	156.2	189.8	201.6
87.5°	33.6	69.9	113.5	146.2	160.7
90°	4.5	39.0	79.9	111.7	123.5
92.5°	0.9	33.6	73.6	103.5	114.4
95°	0.9	33.6	72.6	101.7	112.6
97.5°	0.9	32.7	71.7	100.8	110.8
100°	0.9	31.8	70.8	99.0	109.9
102.5°	0.9	31.8	69.0	97.2	107.2
105°	0.9	30.9	68.1	95.3	105.3
107.5°	0.9	30.0	66.3	93.5	103.5
110°	0.9	28.2	65.4	90.8	100.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	27.2	63.6	89.0	98.1
115°	0.9	26.3	61.8	86.3	95.3
117.5°	0.9	25.4	59.0	83.5	92.6
120°	1.8	25.4	57.2	80.8	89.0
122.5°	1.8	24.5	54.5	77.2	85.4
125°	1.8	23.6	51.8	74.5	82.6
127.5°	1.8	22.7	49.0	70.8	78.1
130°	1.8	20.9	47.2	67.2	74.5
132.5°	1.8	20.0	44.5	62.7	69.9
135°	1.8	18.2	41.8	59.0	66.3
137.5°	1.8	17.3	39.0	55.4	61.8
140°	1.8	16.3	35.4	51.8	58.1
142.5°	1.8	14.5	32.7	48.1	53.6
145°	1.8	13.6	29.1	44.5	49.0
147.5°	1.8	11.8	26.3	40.9	45.4
150°	1.8	10.9	23.6	37.2	41.8
152.5°	1.8	10.0	20.9	32.7	37.2
155°	1.8	9.1	19.1	28.2	33.6
157.5°	1.8	8.2	16.3	24.5	30.0
160°	2.7	7.3	14.5	20.9	25.4
162.5°	2.7	6.4	11.8	17.3	22.7
165°	2.7	6.4	10.0	13.6	19.1
167.5°	2.7	5.4	8.2	10.9	15.4
170°	2.7	4.5	7.3	8.2	11.8
172.5°	2.7	3.6	5.4	5.4	6.4
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)