

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: P567061

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC93-CD-5000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567061
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-5000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

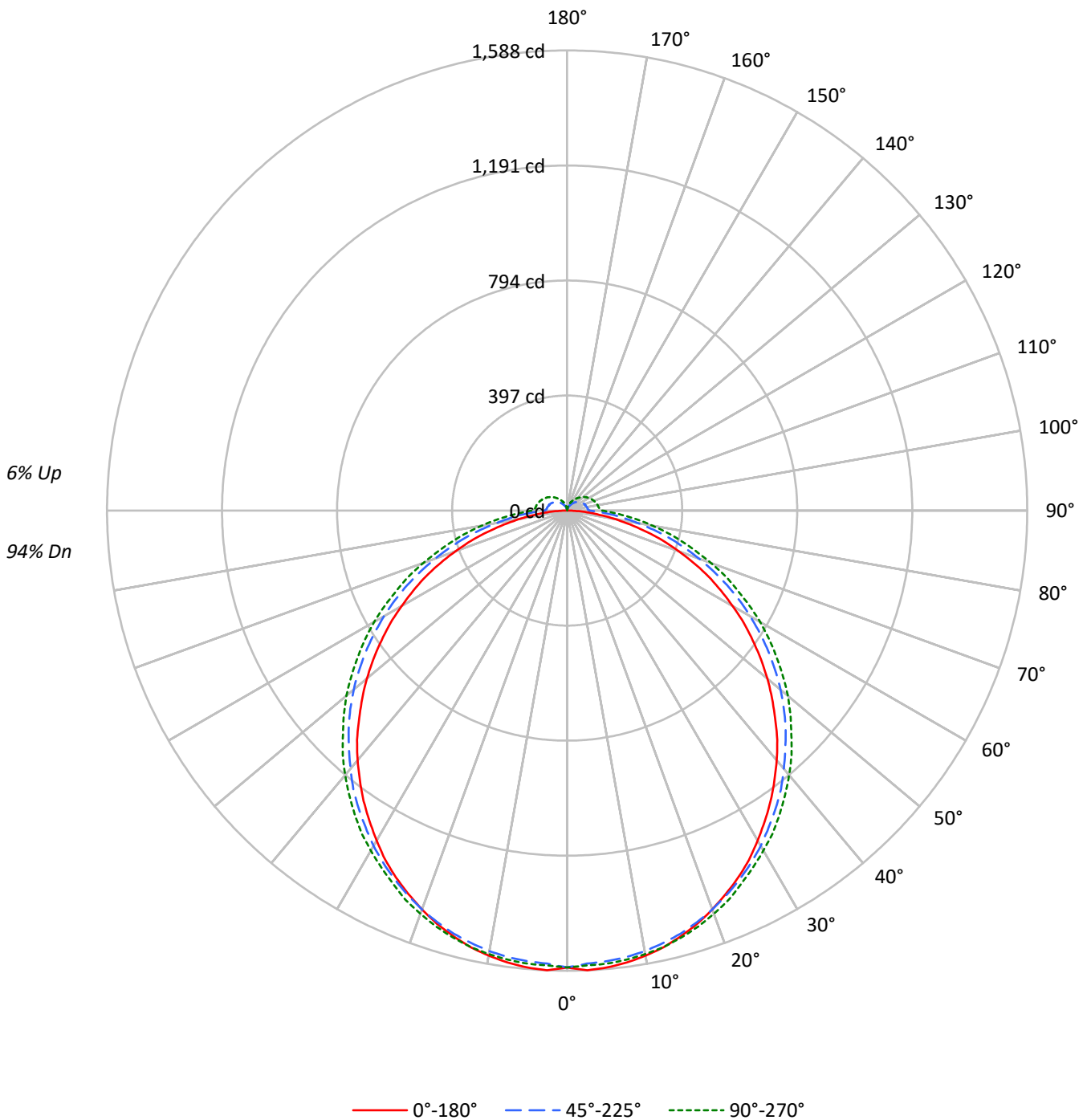
Lumens per Lamp: N/A
Luminaire Lumens: 5010.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 51.1
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°	16970	16970	16970
5°	17087	16689	16715
10°	17016	16508	16505
15°	16889	16300	16269
20°	16715	16047	15991
25°	16515	15769	15663
30°	16244	15487	15361
35°	15971	15156	15044
40°	15671	14789	14688
45°	15292	14427	14273
50°	14924	14013	13895
55°	14469	13503	13368
60°	13959	12918	12850
65°	13416	12219	12136
70°	12486	11343	11396
75°	11365	10311	10510
80°	9710	8938	9528
85°	7637	7752	8375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	3.0
10°-20°	429.0	8.6
20°-30°	650.2	13.0
30°-40°	784.9	15.7
40°-50°	819.6	16.4
50°-60°	753.0	15.0
60°-70°	595.4	11.9
70°-80°	376.8	7.5
80°-90°	162.0	3.2
90°-100°	71.3	1.4
100°-110°	63.8	1.3
110°-120°	53.9	1.1
120°-130°	42.0	0.8
130°-140°	29.1	0.6
140°-150°	17.4	0.3
150°-160°	8.5	0.2
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	1228.7	24.5
0°-40°	2013.6	40.2
0°-60°	3586.3	71.6
0°-90°	4720.5	94.2
90°-120°	189.0	3.8
90°-150°	277.6	5.5
90°-180°	289.0	5.8
0°-180°	5010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1577	1577	1577	1577	1577	
5°	1583	1578	1562	1575	1570	150
15°	1520	1520	1512	1528	1525	429
25°	1397	1404	1405	1424	1421	643
35°	1224	1238	1254	1274	1278	765
45°	1015	1040	1066	1087	1094	784
55°	782	814	848	876	882	700
65°	538	569	609	637	647	530
75°	284	318	364	395	410	301
85°	69	106	153	185	197	76
90°	4	38	78	109	121	6
95°	1	33	71	99	110	1
105°	1	30	66	93	103	1
115°	1	26	60	84	93	1
125°	2	23	51	73	81	2
135°	2	18	41	58	65	1
145°	2	13	28	44	48	1
155°	2	9	19	28	33	1
165°	3	6	10	13	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°	1576.6	1576.6	1576.6	1576.6	1576.6
2.5°	1588.1	1582.8	1565.0	1577.4	1571.2
5°	1582.8	1578.3	1561.5	1574.8	1569.5
7.5°	1573.0	1569.5	1554.4	1568.6	1563.2
10°	1559.7	1557.0	1543.7	1557.9	1554.4
12.5°	1542.8	1542.0	1528.6	1544.6	1542.0
15°	1519.8	1519.8	1511.8	1527.8	1525.1
17.5°	1494.9	1495.8	1489.6	1506.5	1504.7
20°	1464.8	1469.2	1464.8	1482.5	1480.7
22.5°	1431.9	1438.1	1436.4	1454.1	1455.0
25°	1397.3	1403.5	1405.3	1424.0	1421.3
27.5°	1359.2	1368.9	1372.5	1389.4	1388.5
30°	1314.8	1328.1	1336.1	1350.3	1354.8
32.5°	1269.6	1285.6	1295.3	1314.8	1320.2
35°	1224.3	1238.5	1254.5	1274.0	1278.5
37.5°	1174.7	1190.6	1211.9	1230.5	1235.9
40°	1125.0	1142.7	1163.1	1183.5	1191.5
42.5°	1073.5	1092.1	1114.3	1138.3	1146.3
45°	1015.0	1039.8	1066.4	1086.8	1093.9
47.5°	959.1	986.6	1015.0	1037.1	1045.1
50°	902.3	931.6	961.7	982.1	994.6
52.5°	842.8	874.8	904.9	930.7	938.7
55°	782.5	814.4	848.2	875.7	881.9
57.5°	724.0	755.0	788.7	814.4	826.9
60°	660.1	693.8	730.2	755.9	769.2
62.5°	598.0	630.8	669.8	697.3	708.0
65°	538.5	568.7	608.6	637.0	646.8
67.5°	472.9	507.5	545.6	578.5	590.9
70°	408.1	440.9	484.4	515.5	527.9
72.5°	347.8	379.7	423.2	454.2	465.8
75°	283.9	317.6	363.8	394.8	409.9
77.5°	222.7	259.9	304.3	338.0	354.9
80°	165.9	198.7	246.6	283.9	299.0
82.5°	112.7	148.2	197.8	232.4	249.3
85°	69.2	106.5	152.6	185.4	197.0
87.5°	32.8	68.3	110.9	142.8	157.0
90°	4.4	38.1	78.1	109.1	120.7
92.5°	0.9	32.8	71.9	101.1	111.8
95°	0.9	32.8	71.0	99.4	110.0
97.5°	0.9	31.9	70.1	98.5	108.2
100°	0.9	31.1	69.2	96.7	107.4
102.5°	0.9	31.1	67.4	94.9	104.7
105°	0.9	30.2	66.5	93.2	102.9
107.5°	0.9	29.3	64.8	91.4	101.1
110°	0.9	27.5	63.9	88.7	98.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	26.6	62.1	86.9	95.8
115°	0.9	25.7	60.3	84.3	93.2
117.5°	0.9	24.8	57.7	81.6	90.5
120°	1.8	24.8	55.9	79.0	86.9
122.5°	1.8	24.0	53.2	75.4	83.4
125°	1.8	23.1	50.6	72.8	80.7
127.5°	1.8	22.2	47.9	69.2	76.3
130°	1.8	20.4	46.1	65.7	72.8
132.5°	1.8	19.5	43.5	61.2	68.3
135°	1.8	17.7	40.8	57.7	64.8
137.5°	1.8	16.9	38.1	54.1	60.3
140°	1.8	16.0	34.6	50.6	56.8
142.5°	1.8	14.2	31.9	47.0	52.3
145°	1.8	13.3	28.4	43.5	47.9
147.5°	1.8	11.5	25.7	39.9	44.4
150°	1.8	10.6	23.1	36.4	40.8
152.5°	1.8	9.8	20.4	31.9	36.4
155°	1.8	8.9	18.6	27.5	32.8
157.5°	1.8	8.0	16.0	24.0	29.3
160°	2.7	7.1	14.2	20.4	24.8
162.5°	2.7	6.2	11.5	16.9	22.2
165°	2.7	6.2	9.8	13.3	18.6
167.5°	2.7	5.3	8.0	10.6	15.1
170°	2.7	4.4	7.1	8.0	11.5
172.5°	2.7	3.5	5.3	5.3	6.2
175°	2.7	3.5	4.4	4.4	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)