

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: P567124

Luminaire Tested: **4SNX-SL3-SLW-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-SL3-SLW-UNV-CC83-CD-5000K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND SLW LENS  
Light Source: -  
Ballast/Driver: -

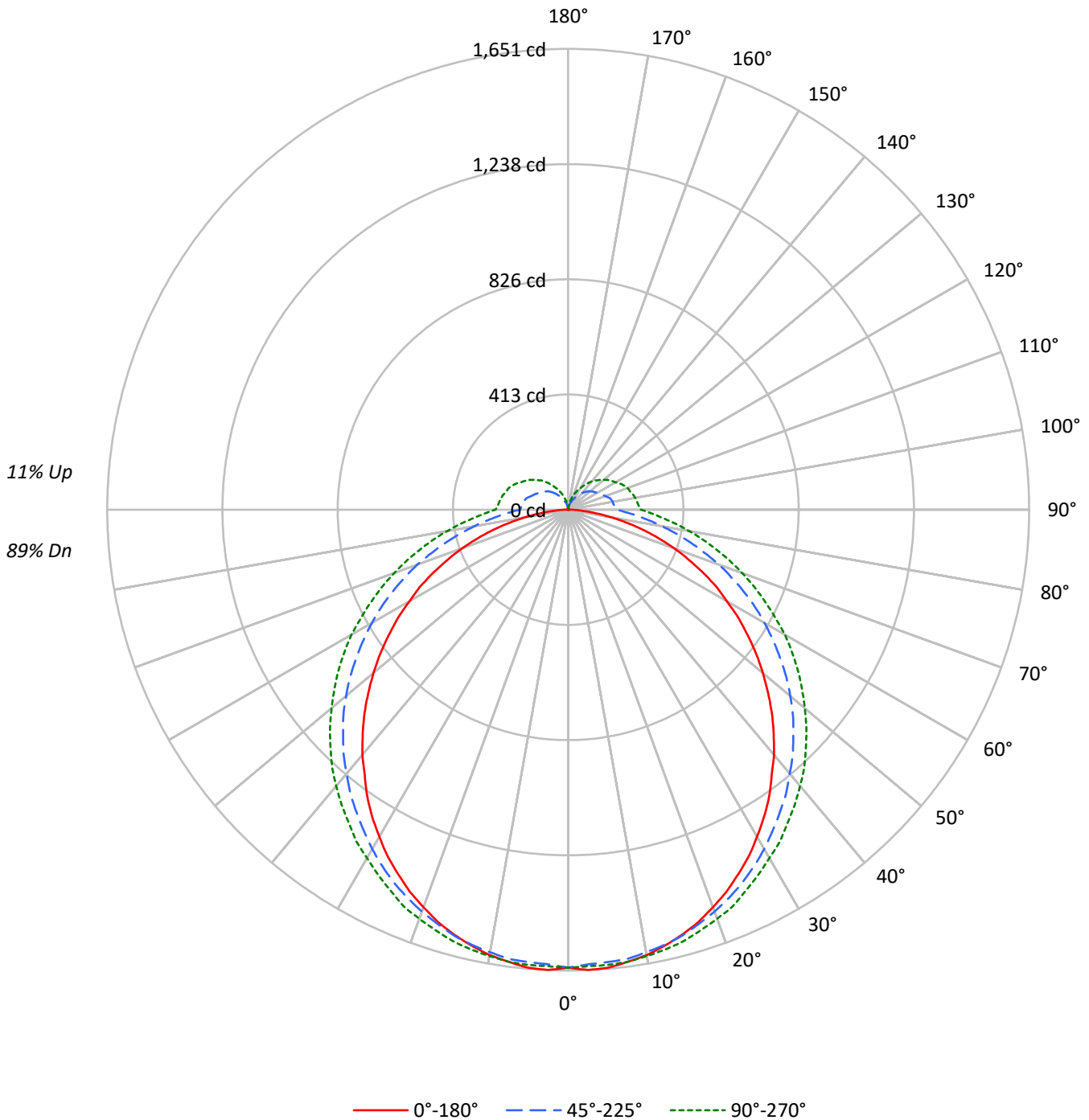
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5840.0 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct  
  
Input Watts (W): 51.1  
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	50	30	10	50	30	10	0		
RCR																										
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89								
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71								
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58								
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49								
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41								
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35								
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31								
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27								
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24								
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22								
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	17658	17658	17658
5°	17766	17203	17190
10°	17644	16856	16764
15°	17467	16500	16372
20°	17227	16090	15936
25°	16949	15690	15480
30°	16617	15251	15028
35°	16254	14794	14606
40°	15835	14345	14200
45°	15384	13888	13761
50°	14869	13404	13270
55°	14302	12824	12789
60°	13636	12204	12251
65°	12948	11506	11575
70°	11984	10738	10912
75°	10707	9761	10179
80°	8630	8769	9454
85°	6079	7918	8711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.8	2.7
10°-20°	447.9	7.7
20°-30°	681.0	11.7
30°-40°	826.7	14.2
40°-50°	873.5	15.0
50°-60°	817.4	14.0
60°-70°	670.7	11.5
70°-80°	461.3	7.9
80°-90°	252.6	4.3
90°-100°	162.7	2.8
100°-110°	146.0	2.5
110°-120°	120.8	2.1
120°-130°	93.0	1.6
130°-140°	65.4	1.1
140°-150°	39.4	0.7
150°-160°	18.9	0.3
160°-170°	6.2	0.1
170°-180°	0.7	0.0
0°-30°	1284.7	22.0
0°-40°	2111.3	36.2
0°-60°	3802.3	65.1
0°-90°	5186.9	88.8
90°-120°	429.5	7.4
90°-150°	627.3	10.7
90°-180°	653.0	11.2
0°-180°	5840.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1640	1640	1640	1640	1640	
5°	1647	1644	1627	1640	1637	156
15°	1576	1583	1580	1600	1600	444
25°	1441	1458	1475	1505	1505	664
35°	1255	1285	1322	1360	1370	784
45°	1032	1079	1140	1191	1204	795
55°	785	849	927	984	1005	702
65°	531	602	693	758	778	526
75°	277	352	453	524	548	292
85°	61	145	247	315	338	70
90°	0	81	172	237	260	4
95°	0	78	166	227	250	0
105°	0	64	156	213	233	2
115°	3	58	132	189	213	3
125°	3	47	112	162	183	3
135°	3	37	91	132	149	3
145°	3	27	64	102	112	2
155°	3	17	41	64	74	2
165°	3	10	20	30	37	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1640.5	1640.5	1640.5	1640.5	1640.5
2.5°	1650.6	1647.2	1630.3	1643.9	1637.1
5°	1647.2	1643.9	1626.9	1640.5	1637.1
7.5°	1633.7	1633.7	1623.6	1637.1	1633.7
10°	1620.2	1620.2	1610.0	1626.9	1623.6
12.5°	1599.9	1603.3	1596.5	1616.8	1613.4
15°	1576.2	1583.0	1579.6	1599.9	1599.9
17.5°	1549.1	1555.9	1555.9	1579.6	1579.6
20°	1515.3	1525.5	1532.2	1559.3	1559.3
22.5°	1481.5	1495.0	1505.2	1528.9	1539.0
25°	1440.9	1457.8	1474.7	1505.2	1505.2
27.5°	1400.3	1420.6	1440.9	1471.3	1474.7
30°	1353.0	1376.6	1403.7	1434.1	1440.9
32.5°	1305.6	1336.1	1363.1	1400.3	1410.5
35°	1254.9	1285.3	1322.5	1359.7	1369.9
37.5°	1197.4	1234.6	1281.9	1322.5	1332.7
40°	1146.6	1187.2	1234.6	1281.9	1292.1
42.5°	1089.1	1133.1	1190.6	1234.6	1251.5
45°	1031.6	1079.0	1139.9	1190.6	1204.1
47.5°	970.8	1024.9	1092.5	1139.9	1156.8
50°	909.9	967.4	1038.4	1092.5	1106.0
52.5°	849.0	909.9	984.3	1038.4	1055.3
55°	784.7	849.0	926.8	984.3	1004.6
57.5°	723.8	788.1	869.3	930.2	950.5
60°	656.2	730.6	811.8	872.7	896.3
62.5°	598.7	666.3	754.3	815.2	835.5
65°	531.0	602.1	693.4	757.7	778.0
67.5°	466.8	541.2	632.5	700.2	720.5
70°	402.5	476.9	575.0	639.3	663.0
72.5°	338.2	416.0	510.7	581.8	605.5
75°	277.4	351.8	453.2	524.3	548.0
77.5°	213.1	294.3	395.7	466.8	493.8
80°	155.6	240.2	341.6	412.7	439.7
82.5°	104.9	189.4	290.9	361.9	389.0
85°	60.9	145.4	246.9	314.6	338.2
87.5°	30.4	111.6	206.3	274.0	297.7
90°	0.0	81.2	172.5	236.8	260.4
92.5°	0.0	77.8	169.1	230.0	253.7
95°	0.0	77.8	165.7	226.6	250.3
97.5°	0.0	74.4	162.4	226.6	246.9
100°	0.0	71.0	162.4	223.2	243.5
102.5°	0.0	67.6	159.0	219.9	240.2
105°	0.0	64.3	155.6	213.1	233.4
107.5°	3.4	64.3	148.8	209.7	230.0
110°	3.4	60.9	142.1	206.3	226.6



TEST NUMBER: P567124

CATALOG NUMBER: 4SNX-SL3-SLW-UNV-CC83-CD-5000K-HI

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.5	135.3	199.6	219.9
115°	3.4	57.5	131.9	189.4	213.1
117.5°	3.4	54.1	125.1	182.7	206.3
120°	3.4	54.1	121.8	175.9	196.2
122.5°	3.4	50.7	115.0	169.1	189.4
125°	3.4	47.4	111.6	162.4	182.7
127.5°	3.4	44.0	108.2	155.6	175.9
130°	3.4	40.6	101.5	148.8	165.7
132.5°	3.4	40.6	98.1	138.7	159.0
135°	3.4	37.2	91.3	131.9	148.8
137.5°	3.4	33.8	84.6	125.1	142.1
140°	3.4	30.4	77.8	118.4	131.9
142.5°	3.4	30.4	71.0	108.2	121.8
145°	3.4	27.1	64.3	101.5	111.6
147.5°	3.4	23.7	57.5	91.3	101.5
150°	3.4	23.7	50.7	81.2	91.3
152.5°	3.4	20.3	44.0	74.4	84.6
155°	3.4	16.9	40.6	64.3	74.4
157.5°	3.4	16.9	33.8	54.1	64.3
160°	3.4	13.5	30.4	44.0	54.1
162.5°	3.4	13.5	27.1	37.2	47.4
165°	3.4	10.1	20.3	30.4	37.2
167.5°	3.4	10.1	16.9	23.7	30.4
170°	3.4	6.8	13.5	16.9	23.7
172.5°	3.4	6.8	10.1	10.1	10.1
175°	3.4	3.4	6.8	6.8	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)