

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: P567046

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567046  
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-CC83-CD-3500K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

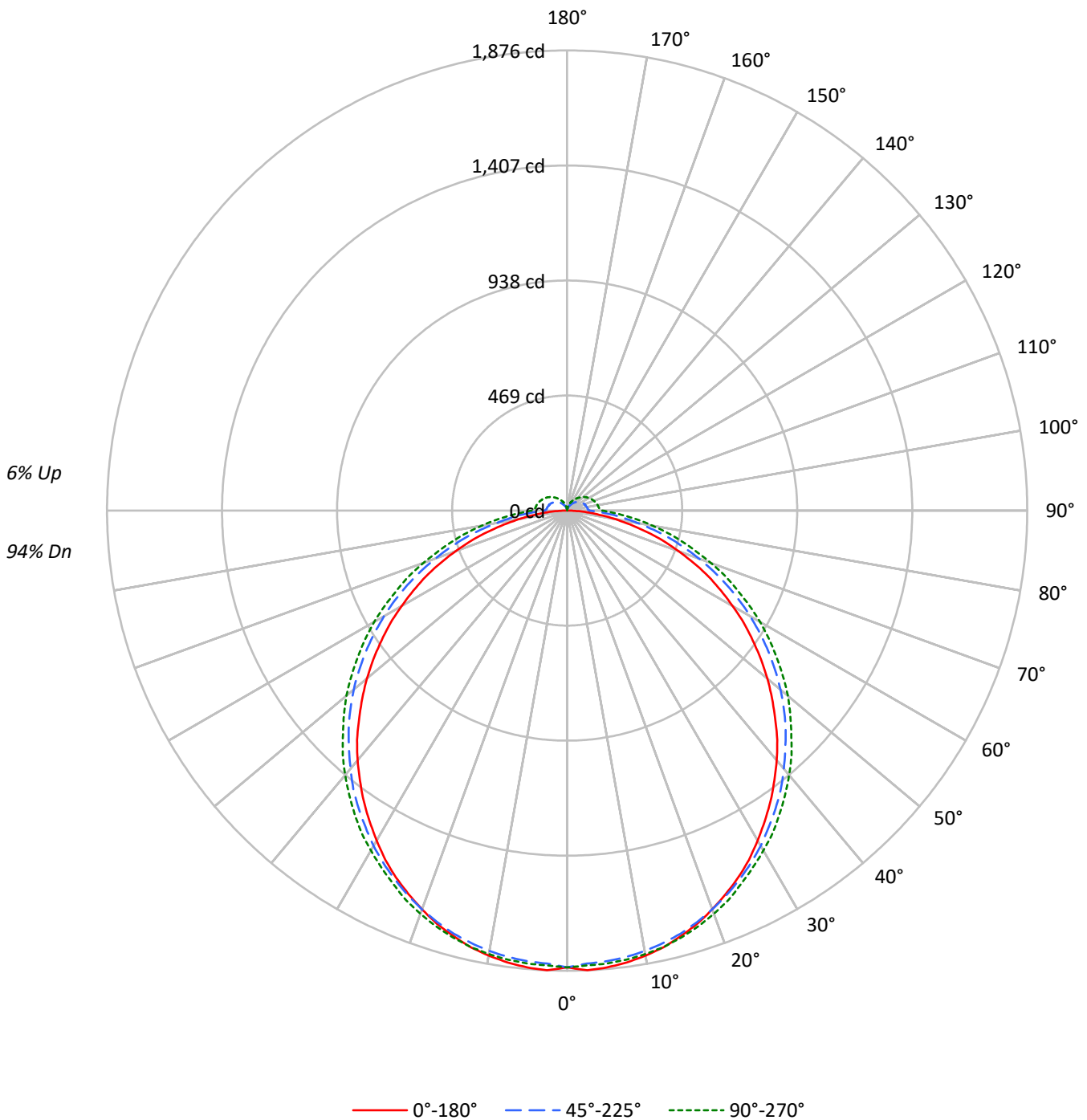
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5918.0 lumens  
Efficiency: N/A  
Efficacy: 116.7 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): 50.7  
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	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°	20046	20046	20046
5°	20183	19714	19744
10°	20100	19500	19496
15°	19949	19254	19217
20°	19744	18955	18890
25°	19509	18628	18502
30°	19188	18294	18144
35°	18866	17903	17771
40°	18511	17470	17351
45°	18062	17042	16860
50°	17629	16553	16413
55°	17091	15950	15790
60°	16488	15258	15178
65°	15847	14434	14335
70°	14750	13399	13461
75°	13427	12179	12415
80°	11472	10559	11255
85°	9017	9159	9893



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.6	3.0
10°-20°	506.8	8.6
20°-30°	768.0	13.0
30°-40°	927.2	15.7
40°-50°	968.2	16.4
50°-60°	889.5	15.0
60°-70°	703.4	11.9
70°-80°	445.2	7.5
80°-90°	191.4	3.2
90°-100°	84.2	1.4
100°-110°	75.4	1.3
110°-120°	63.7	1.1
120°-130°	49.6	0.8
130°-140°	34.4	0.6
140°-150°	20.6	0.3
150°-160°	10.1	0.2
160°-170°	3.5	0.1
170°-180°	0.5	0.0
0°-30°	1451.4	24.5
0°-40°	2378.6	40.2
0°-60°	4236.2	71.6
0°-90°	5576.1	94.2
90°-120°	223.2	3.8
90°-150°	327.8	5.5
90°-180°	342.0	5.8
0°-180°	5918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1862	1862	1862	1862	1862	
5°	1870	1864	1844	1860	1854	178
15°	1795	1795	1786	1805	1802	506
25°	1651	1658	1660	1682	1679	760
35°	1446	1463	1482	1505	1510	904
45°	1199	1228	1260	1284	1292	926
55°	924	962	1002	1034	1042	827
65°	636	672	719	752	764	626
75°	335	375	430	466	484	355
85°	82	126	180	219	233	90
90°	5	45	92	129	142	7
95°	1	39	84	117	130	1
105°	1	36	79	110	122	1
115°	1	30	71	100	110	1
125°	2	27	60	86	95	2
135°	2	21	48	68	76	2
145°	2	16	34	51	57	1
155°	2	10	22	32	39	1
165°	3	7	12	16	22	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°	1862.3	1862.3	1862.3	1862.3	1862.3
2.5°	1875.9	1869.6	1848.7	1863.3	1856.0
5°	1869.6	1864.4	1844.5	1860.2	1853.9
7.5°	1858.1	1853.9	1836.1	1852.9	1846.6
10°	1842.4	1839.2	1823.5	1840.3	1836.1
12.5°	1822.5	1821.4	1805.7	1824.6	1821.4
15°	1795.2	1795.2	1785.8	1804.6	1801.5
17.5°	1765.9	1766.9	1759.6	1779.5	1777.4
20°	1730.2	1735.5	1730.2	1751.2	1749.1
22.5°	1691.5	1698.8	1696.7	1717.7	1718.7
25°	1650.6	1657.9	1660.0	1682.0	1678.9
27.5°	1605.5	1617.1	1621.2	1641.2	1640.1
30°	1553.1	1568.8	1578.3	1595.0	1600.3
32.5°	1499.7	1518.5	1530.1	1553.1	1559.4
35°	1446.2	1463.0	1481.9	1504.9	1510.2
37.5°	1387.5	1406.4	1431.6	1453.6	1459.9
40°	1328.9	1349.8	1373.9	1398.0	1407.5
42.5°	1268.1	1290.1	1316.3	1344.6	1354.0
45°	1198.9	1228.2	1259.7	1283.8	1292.2
47.5°	1132.9	1165.4	1198.9	1225.1	1234.5
50°	1065.8	1100.4	1136.0	1160.1	1174.8
52.5°	995.6	1033.3	1069.0	1099.3	1108.8
55°	924.3	962.1	1001.9	1034.4	1041.7
57.5°	855.2	891.8	931.7	962.1	976.7
60°	779.7	819.5	862.5	892.9	908.6
62.5°	706.3	745.1	791.2	823.7	836.3
65°	636.1	671.8	718.9	752.5	764.0
67.5°	558.6	599.5	644.5	683.3	698.0
70°	482.1	520.9	572.2	608.9	623.6
72.5°	410.8	448.5	499.9	536.6	550.2
75°	335.4	375.2	429.7	466.4	484.2
77.5°	263.0	307.1	359.5	399.3	419.2
80°	196.0	234.8	291.3	335.4	353.2
82.5°	133.1	175.0	233.7	274.6	294.5
85°	81.7	125.8	180.3	219.0	232.7
87.5°	38.8	80.7	131.0	168.7	185.5
90°	5.2	45.1	92.2	128.9	142.5
92.5°	1.0	38.8	84.9	119.5	132.0
95°	1.0	38.8	83.8	117.4	130.0
97.5°	1.0	37.7	82.8	116.3	127.9
100°	1.0	36.7	81.7	114.2	126.8
102.5°	1.0	36.7	79.6	112.1	123.7
105°	1.0	35.6	78.6	110.0	121.6
107.5°	1.0	34.6	76.5	107.9	119.5
110°	1.0	32.5	75.5	104.8	116.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	31.4	73.4	102.7	113.2
115°	1.0	30.4	71.3	99.6	110.0
117.5°	1.0	29.3	68.1	96.4	106.9
120°	2.1	29.3	66.0	93.3	102.7
122.5°	2.1	28.3	62.9	89.1	98.5
125°	2.1	27.2	59.7	85.9	95.4
127.5°	2.1	26.2	56.6	81.7	90.1
130°	2.1	24.1	54.5	77.6	85.9
132.5°	2.1	23.1	51.4	72.3	80.7
135°	2.1	21.0	48.2	68.1	76.5
137.5°	2.1	19.9	45.1	63.9	71.3
140°	2.1	18.9	40.9	59.7	67.1
142.5°	2.1	16.8	37.7	55.5	61.8
145°	2.1	15.7	33.5	51.4	56.6
147.5°	2.1	13.6	30.4	47.2	52.4
150°	2.1	12.6	27.2	43.0	48.2
152.5°	2.1	11.5	24.1	37.7	43.0
155°	2.1	10.5	22.0	32.5	38.8
157.5°	2.1	9.4	18.9	28.3	34.6
160°	3.1	8.4	16.8	24.1	29.3
162.5°	3.1	7.3	13.6	19.9	26.2
165°	3.1	7.3	11.5	15.7	22.0
167.5°	3.1	6.3	9.4	12.6	17.8
170°	3.1	5.2	8.4	9.4	13.6
172.5°	3.1	4.2	6.3	6.3	7.3
175°	3.1	4.2	5.2	5.2	3.1
177.5°	3.1	3.1	3.1	3.1	2.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)