

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: P567052

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567052
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-5000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

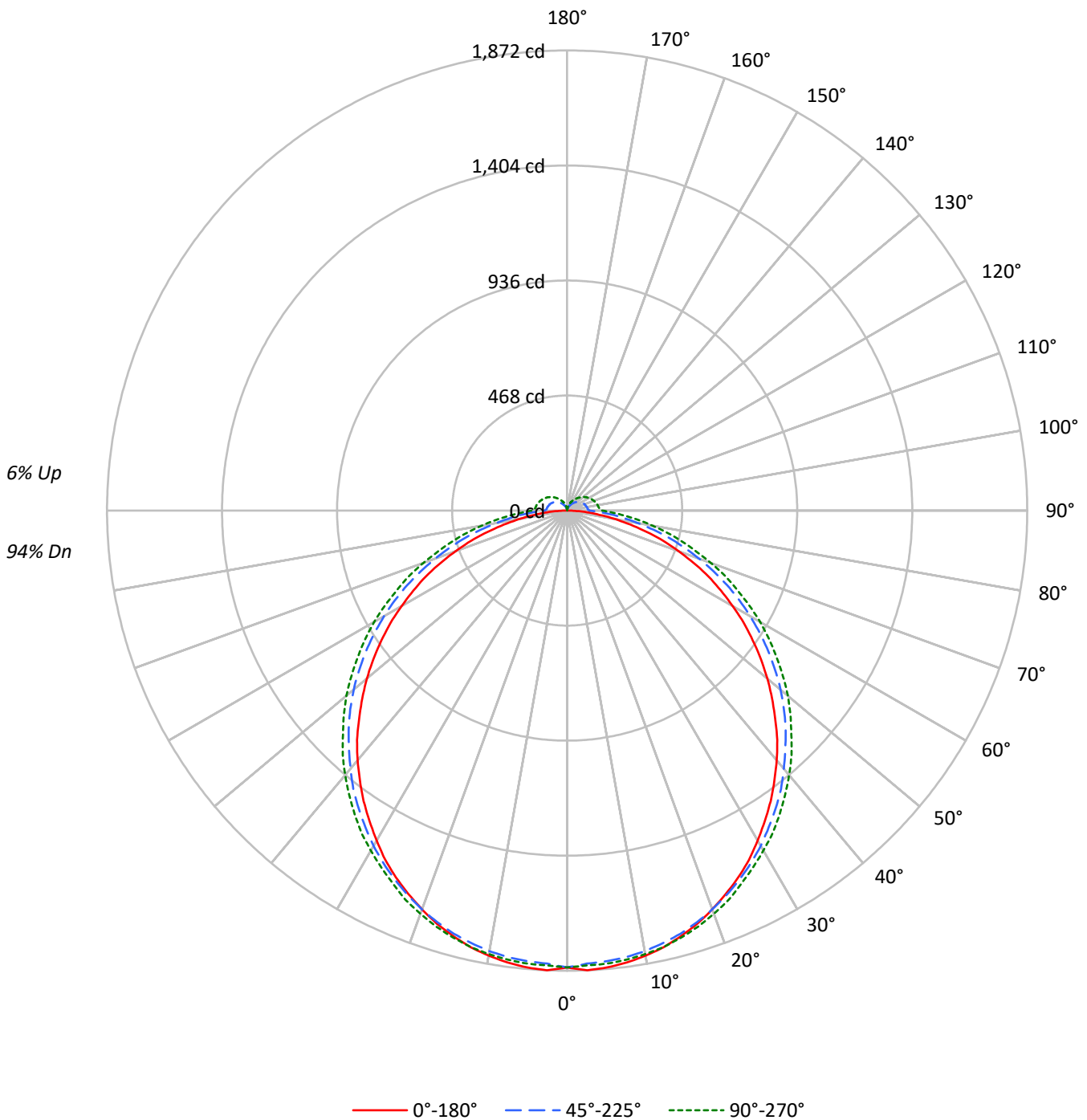
Lumens per Lamp: N/A
Luminaire Lumens: 5906.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 51.1
Input Voltage (V): NR
Input Current (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°	20005	20005	20005
5°	20142	19673	19703
10°	20059	19461	19456
15°	19909	19215	19178
20°	19704	18917	18852
25°	19469	18591	18464
30°	19150	18257	18107
35°	18828	17867	17734
40°	18473	17434	17315
45°	18026	17007	16826
50°	17592	16519	16379
55°	17058	15916	15759
60°	16454	15227	15148
65°	15815	14406	14305
70°	14720	13370	13433
75°	13399	12154	12389
80°	11448	10541	11233
85°	9006	9139	9872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	3.0
10°-20°	505.8	8.6
20°-30°	766.5	13.0
30°-40°	925.3	15.7
40°-50°	966.2	16.4
50°-60°	887.6	15.0
60°-70°	701.9	11.9
70°-80°	444.2	7.5
80°-90°	191.0	3.2
90°-100°	84.0	1.4
100°-110°	75.2	1.3
110°-120°	63.5	1.1
120°-130°	49.5	0.8
130°-140°	34.3	0.6
140°-150°	20.6	0.3
150°-160°	10.0	0.2
160°-170°	3.5	0.1
170°-180°	0.5	0.0
0°-30°	1448.5	24.5
0°-40°	2373.8	40.2
0°-60°	4227.6	71.6
0°-90°	5564.8	94.2
90°-120°	222.8	3.8
90°-150°	327.2	5.5
90°-180°	341.0	5.8
0°-180°	5906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1858	1858	1858	1858	1858	
5°	1866	1861	1841	1856	1850	177
15°	1792	1792	1782	1801	1798	505
25°	1647	1655	1657	1679	1676	759
35°	1443	1460	1479	1502	1507	902
45°	1196	1226	1257	1281	1290	924
55°	922	960	1000	1032	1040	825
65°	635	670	718	751	762	625
75°	335	374	429	465	483	355
85°	82	126	180	219	232	90
90°	5	45	92	129	142	7
95°	1	39	84	117	130	1
105°	1	36	78	110	121	1
115°	1	30	71	99	110	1
125°	2	27	60	86	95	2
135°	2	21	48	68	76	2
145°	2	16	34	51	56	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°	1858.5	1858.5	1858.5	1858.5	1858.5
2.5°	1872.1	1865.8	1844.9	1859.6	1852.2
5°	1865.8	1860.6	1840.7	1856.4	1850.1
7.5°	1854.3	1850.1	1832.4	1849.1	1842.8
10°	1838.6	1835.5	1819.8	1836.5	1832.4
12.5°	1818.8	1817.7	1802.0	1820.9	1817.7
15°	1791.6	1791.6	1782.2	1801.0	1797.8
17.5°	1762.3	1763.3	1756.0	1775.9	1773.8
20°	1726.7	1732.0	1726.7	1747.6	1745.6
22.5°	1688.0	1695.4	1693.3	1714.2	1715.2
25°	1647.2	1654.6	1656.7	1678.6	1675.5
27.5°	1602.3	1613.8	1618.0	1637.8	1636.8
30°	1550.0	1565.7	1575.1	1591.8	1597.0
32.5°	1496.6	1515.5	1527.0	1550.0	1556.3
35°	1443.3	1460.0	1478.9	1501.9	1507.1
37.5°	1384.7	1403.6	1428.7	1450.6	1456.9
40°	1326.2	1347.1	1371.1	1395.2	1404.6
42.5°	1265.5	1287.5	1313.6	1341.8	1351.3
45°	1196.5	1225.8	1257.1	1281.2	1289.6
47.5°	1130.6	1163.0	1196.5	1222.6	1232.0
50°	1063.6	1098.2	1133.7	1157.8	1172.4
52.5°	993.6	1031.2	1066.8	1097.1	1106.5
55°	922.5	960.1	999.8	1032.3	1039.6
57.5°	853.4	890.0	929.8	960.1	974.7
60°	778.1	817.9	860.7	891.1	906.8
62.5°	704.9	743.6	789.6	822.1	834.6
65°	634.8	670.4	717.5	750.9	762.4
67.5°	557.4	598.2	643.2	681.9	696.5
70°	481.1	519.8	571.0	607.6	622.3
72.5°	410.0	447.6	498.9	535.5	549.1
75°	334.7	374.4	428.8	465.4	483.2
77.5°	262.5	306.4	358.7	398.5	418.3
80°	195.6	234.3	290.8	334.7	352.5
82.5°	132.8	174.7	233.2	274.0	293.9
85°	81.6	125.5	179.9	218.6	232.2
87.5°	38.7	80.5	130.7	168.4	185.1
90°	5.2	45.0	92.0	128.6	142.2
92.5°	1.0	38.7	84.7	119.2	131.8
95°	1.0	38.7	83.7	117.1	129.7
97.5°	1.0	37.7	82.6	116.1	127.6
100°	1.0	36.6	81.6	114.0	126.6
102.5°	1.0	36.6	79.5	111.9	123.4
105°	1.0	35.6	78.4	109.8	121.3
107.5°	1.0	34.5	76.3	107.7	119.2
110°	1.0	32.4	75.3	104.6	116.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	31.4	73.2	102.5	113.0
115°	1.0	30.3	71.1	99.4	109.8
117.5°	1.0	29.3	68.0	96.2	106.7
120°	2.1	29.3	65.9	93.1	102.5
122.5°	2.1	28.2	62.8	88.9	98.3
125°	2.1	27.2	59.6	85.8	95.2
127.5°	2.1	26.1	56.5	81.6	89.9
130°	2.1	24.1	54.4	77.4	85.8
132.5°	2.1	23.0	51.2	72.2	80.5
135°	2.1	20.9	48.1	68.0	76.3
137.5°	2.1	19.9	45.0	63.8	71.1
140°	2.1	18.8	40.8	59.6	66.9
142.5°	2.1	16.7	37.7	55.4	61.7
145°	2.1	15.7	33.5	51.2	56.5
147.5°	2.1	13.6	30.3	47.1	52.3
150°	2.1	12.6	27.2	42.9	48.1
152.5°	2.1	11.5	24.1	37.7	42.9
155°	2.1	10.5	22.0	32.4	38.7
157.5°	2.1	9.4	18.8	28.2	34.5
160°	3.1	8.4	16.7	24.1	29.3
162.5°	3.1	7.3	13.6	19.9	26.1
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)