

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: P565750

Luminaire Tested: **2SNX-44HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-44HL-LC-UNV-L930-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

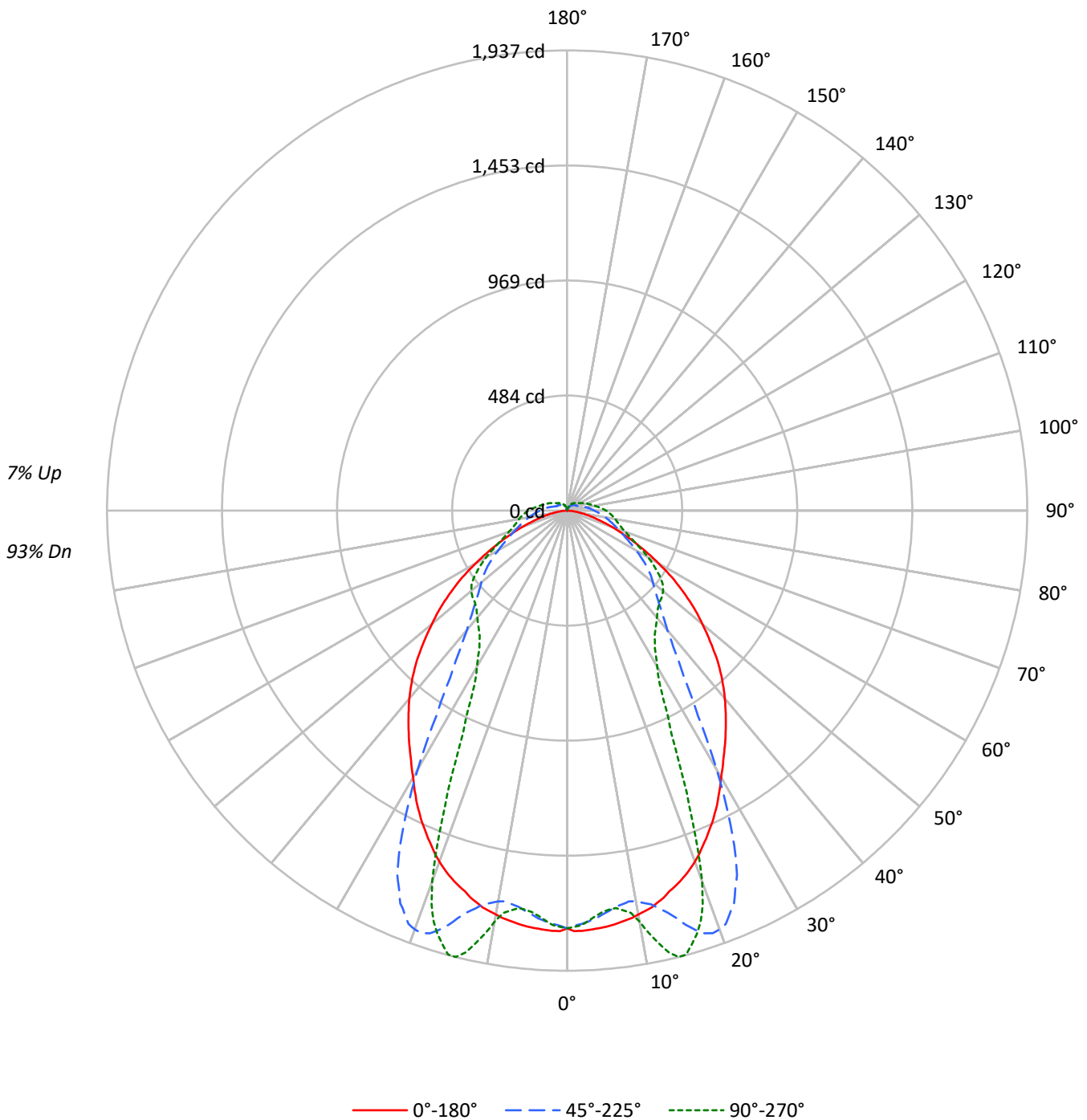
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3909.0 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 31.1  
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

TEST NUMBER: P565750  
CATALOG NUMBER: 2SNX-44HL-LC-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565750

CATALOG NUMBER: 2SNX-44HL-LC-UNV-L930-CD

**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	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

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

	0°	45°	90°
0°	37865	37865	37865
5°	37771	35251	34659
10°	37184	33394	34370
15°	36184	34661	36588
20°	34953	36021	30622
25°	33065	32222	18829
30°	30759	23932	13627
35°	28854	16470	11495
40°	27135	12744	10595
45°	25158	10816	10019
50°	22639	9676	9835
55°	19997	8718	9100
60°	16683	7513	7871
65°	13285	6514	6568
70°	10120	5825	5784
75°	7499	5383	5394
80°	4874	5058	5339
85°	2264	4781	5301



TEST NUMBER: P565750

CATALOG NUMBER: 2SNX-44HL-LC-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.7	4.2
10°-20°	500.1	12.8
20°-30°	673.4	17.2
30°-40°	637.3	16.3
40°-50°	562.5	14.4
50°-60°	456.9	11.7
60°-70°	310.7	7.9
70°-80°	199.9	5.1
80°-90°	132.9	3.4
90°-100°	91.4	2.3
100°-110°	61.3	1.6
110°-120°	43.3	1.1
120°-130°	30.9	0.8
130°-140°	21.8	0.6
140°-150°	13.5	0.3
150°-160°	6.6	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1337.2	34.2
0°-40°	1974.5	50.5
0°-60°	2993.8	76.6
0°-90°	3637.5	93.1
90°-120°	196.0	5.0
90°-150°	262.2	6.7
90°-180°	272.0	7.0
0°-180°	3909.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1759	1759	1759	1759	1759	
5°	1761	1744	1707	1706	1697	167
15°	1660	1649	1776	1933	1935	468
25°	1446	1715	1692	1229	1039	664
35°	1162	1630	859	662	642	727
45°	895	1097	544	537	548	687
55°	596	649	408	456	473	532
65°	307	350	273	304	313	309
75°	118	165	193	216	226	129
85°	18	70	137	173	185	23
90°	1	49	114	153	164	1
95°	1	38	96	130	139	0
105°	1	26	63	89	100	1
115°	1	23	47	66	75	1
125°	2	19	40	50	54	2
135°	2	15	33	42	44	2
145°	2	11	23	32	35	2
155°	3	7	14	22	24	1
165°	3	4	8	11	13	1
175°	4	4	4	4	3	0
180°	3	3	3	3	3	



TEST NUMBER: P565750

CATALOG NUMBER: 2SNX-44HL-LC-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1758.9	1758.9	1758.9	1758.9	1758.9
1°	1770.8	1765.4	1747.5	1757.1	1752.3
2°	1770.2	1761.2	1741.0	1751.7	1745.7
3°	1767.2	1757.7	1731.4	1738.0	1729.0
4°	1764.2	1752.9	1721.3	1721.3	1711.1
5°	1760.6	1744.5	1706.9	1705.7	1697.4
6°	1756.5	1738.0	1694.4	1693.2	1688.4
7°	1750.5	1726.6	1680.7	1689.0	1685.4
8°	1743.3	1715.9	1673.5	1694.4	1699.8
9°	1736.8	1702.8	1665.2	1711.1	1715.3
10°	1726.0	1690.8	1670.5	1744.5	1757.1
11°	1717.1	1680.7	1682.5	1777.4	1815.0
12°	1708.1	1669.9	1693.8	1818.5	1864.5
13°	1693.2	1661.6	1718.9	1863.3	1910.5
14°	1680.1	1655.0	1743.3	1908.7	1936.7
15°	1659.8	1649.0	1776.2	1933.1	1934.9
16°	1646.1	1644.9	1814.4	1934.9	1901.5
17°	1630.5	1643.1	1845.4	1903.9	1864.5
18°	1613.2	1646.7	1871.1	1865.1	1819.7
19°	1593.5	1650.2	1881.8	1811.4	1752.9
20°	1572.0	1655.6	1875.8	1755.3	1661.0
21°	1550.6	1662.8	1864.5	1696.2	1540.4
22.5°	1510.6	1680.1	1810.8	1530.3	1341.1
23°	1499.2	1683.7	1798.2	1478.3	1289.2
24°	1471.2	1698.6	1741.0	1357.2	1151.9
25°	1446.1	1714.7	1692.0	1228.9	1039.1
26°	1418.1	1726.6	1618.0	1110.7	969.8
27°	1390.6	1733.8	1533.9	1018.8	892.3
28°	1359.0	1741.5	1442.5	939.4	833.8
29°	1329.1	1742.7	1352.4	876.1	787.8
30°	1296.9	1736.8	1257.5	825.4	759.2
32.5°	1226.5	1703.9	1025.4	728.7	687.5
35°	1162.0	1630.5	859.4	661.9	641.6
37.5°	1097.0	1514.8	743.1	620.1	613.5
40°	1033.1	1377.5	655.3	586.7	587.9
42.5°	965.7	1236.0	595.0	559.2	564.6
45°	895.2	1097.0	543.7	537.1	548.5
47.5°	817.1	969.8	503.1	522.8	540.1
50°	743.1	843.9	471.5	509.1	527.0
52.5°	672.6	740.7	442.8	485.8	506.7
55°	596.2	648.8	408.2	456.0	473.3
57.5°	523.4	565.8	371.8	419.0	434.5
60°	443.4	484.0	334.8	379.0	393.9
62.5°	371.2	414.2	303.2	339.0	350.9
65°	307.4	349.7	273.3	303.8	313.3



TEST NUMBER: P565750

CATALOG NUMBER: 2SNX-44HL-LC-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	250.7	296.0	248.9	274.5	283.5
70°	197.6	245.3	227.4	250.7	260.2
72.5°	154.6	202.9	209.5	231.0	240.5
75°	118.2	165.3	192.8	216.1	226.2
77.5°	87.7	134.9	177.3	204.1	214.9
80°	57.9	107.4	163.5	193.4	205.9
82.5°	36.4	86.5	149.8	182.6	195.8
85°	17.9	70.4	136.7	173.1	185.0
87.5°	6.0	58.5	124.7	163.5	173.7
90°	0.6	48.9	114.0	153.4	163.5
92.5°	0.6	42.4	105.0	141.4	151.6
95°	0.6	37.6	96.1	130.1	139.1
97.5°	0.6	34.0	87.7	118.2	127.7
100°	0.6	30.4	78.8	106.8	117.0
102.5°	1.2	28.1	71.0	97.3	108.0
105°	1.2	26.3	63.3	88.9	99.7
107.5°	1.2	25.1	56.7	82.4	92.5
110°	1.2	23.9	51.9	76.4	87.1
112.5°	1.2	23.3	48.9	71.0	81.2
115°	1.2	22.7	46.6	66.2	74.6
117.5°	1.8	22.1	44.8	61.5	68.0
120°	1.8	20.9	43.6	57.3	62.7
122.5°	1.8	19.7	41.8	53.7	57.9
125°	1.8	19.1	40.0	50.1	53.7
127.5°	1.8	17.9	38.2	47.1	50.7
130°	2.4	16.7	36.4	44.8	47.7
132.5°	2.4	15.5	34.6	43.6	46.0
135°	2.4	14.9	32.8	41.8	44.2
137.5°	2.4	13.7	31.0	40.0	42.4
140°	2.4	12.5	28.6	37.6	40.0
142.5°	2.4	11.9	26.3	35.2	37.6
145°	2.4	10.7	23.3	32.2	35.2
147.5°	3.0	10.1	20.9	29.8	32.2
150°	3.0	9.0	18.5	27.5	29.8
152.5°	3.0	7.8	16.1	24.5	26.9
155°	3.0	6.6	14.3	21.5	24.5
157.5°	3.0	6.0	12.5	17.9	21.5
160°	3.0	5.4	10.7	15.5	18.5
162.5°	3.0	4.8	9.5	13.1	16.1
165°	3.0	4.2	7.8	10.7	13.1
167.5°	3.6	4.2	6.6	8.4	10.7
170°	3.6	4.2	5.4	6.6	8.4
172.5°	3.6	3.6	4.2	4.8	5.4
175°	3.6	3.6	3.6	3.6	3.0
177.5°	3.6	3.6	3.6	3.0	3.0



TEST NUMBER: P565750

CATALOG NUMBER: 2SNX-44HL-LC-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)