

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: P565703

Luminaire Tested: **2SNX-40HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565703  
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-40HL-LC-UNV-L935-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

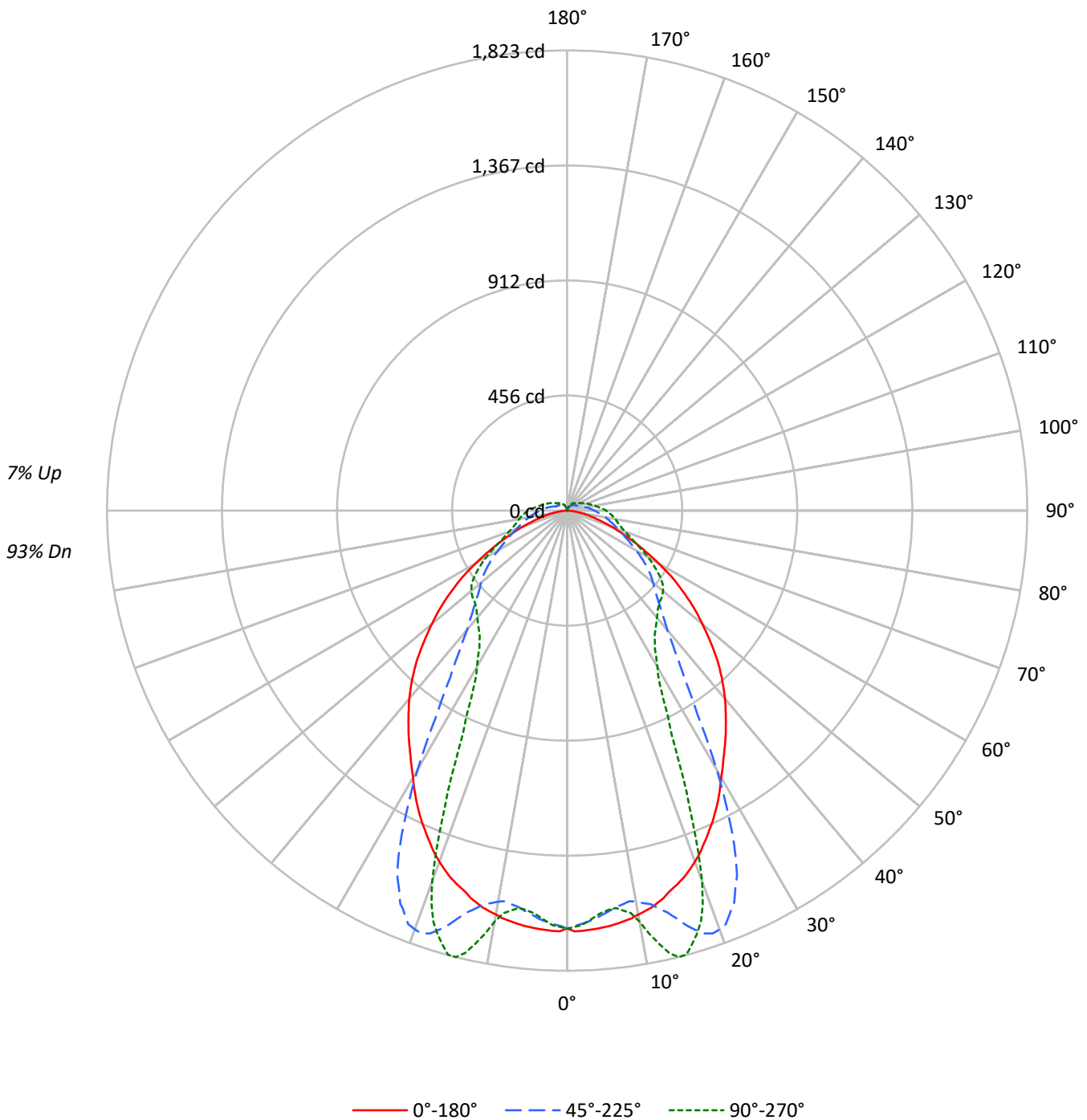
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3680.0 lumens  
Efficiency: N/A  
Efficacy: 133.6 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): 27.55  
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: P565703  
CATALOG NUMBER: 2SNX-40HL-LC-UNV-L935-CD

### 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	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°	35646	35646	35646
5°	35559	33185	32628
10°	35006	31439	32355
15°	34063	32630	34445
20°	32908	33910	28828
25°	31128	30335	17725
30°	28956	22531	12828
35°	27166	15506	10822
40°	25546	11997	9973
45°	23685	10184	9433
50°	21311	9109	9259
55°	18826	8207	8567
60°	15708	7074	7409
65°	12507	6132	6185
70°	9526	5485	5446
75°	7055	5067	5077
80°	4588	4764	5025
85°	2138	4502	4992



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.1	4.2
10°-20°	470.8	12.8
20°-30°	633.9	17.2
30°-40°	600.0	16.3
40°-50°	529.6	14.4
50°-60°	430.1	11.7
60°-70°	292.5	7.9
70°-80°	188.2	5.1
80°-90°	125.2	3.4
90°-100°	86.0	2.3
100°-110°	57.7	1.6
110°-120°	40.7	1.1
120°-130°	29.1	0.8
130°-140°	20.5	0.6
140°-150°	12.7	0.3
150°-160°	6.2	0.2
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1258.8	34.2
0°-40°	1858.8	50.5
0°-60°	2818.5	76.6
0°-90°	3424.4	93.1
90°-120°	184.5	5.0
90°-150°	246.8	6.7
90°-180°	256.0	7.0
0°-180°	3680.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1656	1656	1656	1656	1656	
5°	1658	1642	1607	1606	1598	157
15°	1562	1552	1672	1820	1822	441
25°	1361	1614	1593	1157	978	625
35°	1094	1535	809	623	604	685
45°	843	1033	512	506	516	647
55°	561	611	384	429	446	501
65°	289	329	257	286	295	291
75°	111	156	182	203	213	121
85°	17	66	129	163	174	22
90°	1	46	107	144	154	1
95°	1	35	90	122	131	0
105°	1	25	60	84	94	1
115°	1	21	44	62	70	1
125°	2	18	38	47	51	2
135°	2	14	31	39	42	2
145°	2	10	22	30	33	2
155°	3	6	14	20	23	1
165°	3	4	7	10	12	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



TEST NUMBER: P565703

CATALOG NUMBER: 2SNX-40HL-LC-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1655.8	1655.8	1655.8	1655.8	1655.8
1°	1667.1	1662.0	1645.1	1654.1	1649.6
2°	1666.5	1658.1	1639.0	1649.1	1643.5
3°	1663.7	1654.7	1630.0	1636.2	1627.7
4°	1660.9	1650.2	1620.4	1620.4	1610.9
5°	1657.5	1642.3	1606.9	1605.8	1597.9
6°	1653.6	1636.2	1595.1	1594.0	1589.5
7°	1648.0	1625.5	1582.2	1590.1	1586.7
8°	1641.2	1615.4	1575.5	1595.1	1600.2
9°	1635.0	1603.0	1567.6	1610.9	1614.8
10°	1624.9	1591.8	1572.7	1642.3	1654.1
11°	1616.5	1582.2	1583.9	1673.2	1708.6
12°	1608.1	1572.1	1594.6	1712.0	1755.3
13°	1594.0	1564.2	1618.2	1754.1	1798.5
14°	1581.7	1558.1	1641.2	1796.8	1823.3
15°	1562.5	1552.4	1672.1	1819.9	1821.6
16°	1549.6	1548.5	1708.1	1821.6	1790.1
17°	1535.0	1546.8	1737.3	1792.4	1755.3
18°	1518.7	1550.2	1761.4	1755.8	1713.1
19°	1500.2	1553.6	1771.6	1705.3	1650.2
20°	1480.0	1558.6	1765.9	1652.4	1563.7
21°	1459.7	1565.4	1755.3	1596.8	1450.2
22.5°	1422.1	1581.7	1704.7	1440.6	1262.5
23°	1411.4	1585.0	1692.9	1391.7	1213.6
24°	1385.0	1599.1	1639.0	1277.7	1084.4
25°	1361.4	1614.2	1592.9	1156.9	978.2
26°	1335.0	1625.5	1523.2	1045.6	913.0
27°	1309.1	1632.2	1444.0	959.1	840.0
28°	1279.4	1639.5	1358.0	884.4	784.9
29°	1251.3	1640.6	1273.2	824.8	741.7
30°	1220.9	1635.0	1183.9	777.1	714.7
32.5°	1154.6	1604.1	965.3	686.0	647.3
35°	1094.0	1535.0	809.1	623.1	604.0
37.5°	1032.7	1426.0	699.5	583.8	577.6
40°	972.6	1296.8	616.9	552.3	553.4
42.5°	909.1	1163.6	560.2	526.5	531.5
45°	842.8	1032.7	511.9	505.7	516.4
47.5°	769.2	913.0	473.7	492.2	508.5
50°	699.5	794.5	443.9	479.3	496.1
52.5°	633.2	697.3	416.9	457.4	477.0
55°	561.3	610.7	384.3	429.3	445.6
57.5°	492.8	532.6	350.0	394.4	409.0
60°	417.5	455.7	315.2	356.8	370.8
62.5°	349.5	389.9	285.4	319.1	330.4
65°	289.4	329.3	257.3	286.0	295.0



TEST NUMBER: P565703

CATALOG NUMBER: 2SNX-40HL-LC-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	236.0	278.7	234.3	258.5	266.9
70°	186.0	230.9	214.1	236.0	245.0
72.5°	145.5	191.0	197.2	217.4	226.4
75°	111.2	155.6	181.5	203.4	212.9
77.5°	82.6	127.0	166.9	192.2	202.3
80°	54.5	101.1	154.0	182.0	193.8
82.5°	34.3	81.5	141.0	171.9	184.3
85°	16.9	66.3	128.7	162.9	174.2
87.5°	5.6	55.1	117.4	154.0	163.5
90°	0.6	46.1	107.3	144.4	154.0
92.5°	0.6	39.9	98.9	133.2	142.7
95°	0.6	35.4	90.5	122.5	130.9
97.5°	0.6	32.0	82.6	111.2	120.2
100°	0.6	28.7	74.2	100.6	110.1
102.5°	1.1	26.4	66.9	91.6	101.7
105°	1.1	24.7	59.6	83.7	93.8
107.5°	1.1	23.6	53.4	77.5	87.1
110°	1.1	22.5	48.9	71.9	82.0
112.5°	1.1	21.9	46.1	66.9	76.4
115°	1.1	21.4	43.8	62.4	70.2
117.5°	1.7	20.8	42.1	57.9	64.1
120°	1.7	19.7	41.0	53.9	59.0
122.5°	1.7	18.5	39.3	50.6	54.5
125°	1.7	18.0	37.6	47.2	50.6
127.5°	1.7	16.9	36.0	44.4	47.8
130°	2.2	15.7	34.3	42.1	44.9
132.5°	2.2	14.6	32.6	41.0	43.3
135°	2.2	14.0	30.9	39.3	41.6
137.5°	2.2	12.9	29.2	37.6	39.9
140°	2.2	11.8	27.0	35.4	37.6
142.5°	2.2	11.2	24.7	33.2	35.4
145°	2.2	10.1	21.9	30.3	33.2
147.5°	2.8	9.6	19.7	28.1	30.3
150°	2.8	8.4	17.4	25.8	28.1
152.5°	2.8	7.3	15.2	23.0	25.3
155°	2.8	6.2	13.5	20.2	23.0
157.5°	2.8	5.6	11.8	16.9	20.2
160°	2.8	5.1	10.1	14.6	17.4
162.5°	2.8	4.5	9.0	12.4	15.2
165°	2.8	3.9	7.3	10.1	12.4
167.5°	3.4	3.9	6.2	7.9	10.1
170°	3.4	3.9	5.1	6.2	7.9
172.5°	3.4	3.4	3.9	4.5	5.1
175°	3.4	3.4	3.4	3.4	2.8
177.5°	3.4	3.4	3.4	2.8	2.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)