

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: P565752

Luminaire Tested: **2SNX-44HL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565752
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-L940-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

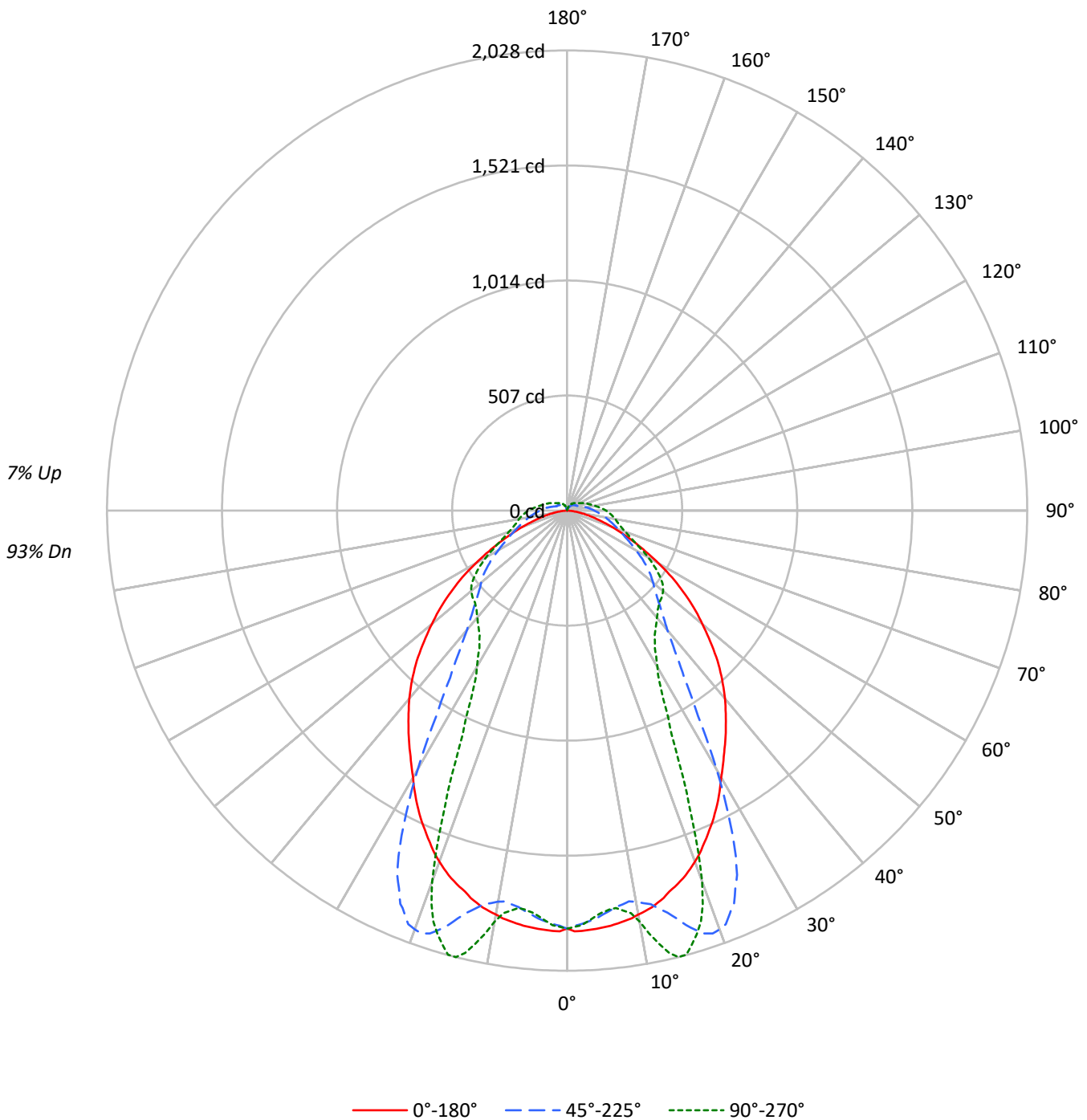
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4094.1 lumens
Efficiency: N/A
Efficacy: 131.6 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): 31.1
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	39656	39656	39656
5°	39561	36919	36299
10°	38944	34975	35995
15°	37896	36300	38320
20°	36608	37726	32071
25°	34631	33747	19720
30°	32215	25064	14272
35°	30220	17250	12040
40°	28420	13347	11096
45°	26349	11328	10492
50°	23708	10133	10300
55°	20946	9132	9531
60°	17473	7870	8245
65°	13911	6823	6881
70°	10597	6102	6057
75°	7854	5637	5649
80°	5102	5299	5593
85°	2378	5005	5553



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	4.2
10°-20°	523.8	12.8
20°-30°	705.3	17.2
30°-40°	667.5	16.3
40°-50°	589.1	14.4
50°-60°	478.5	11.7
60°-70°	325.4	7.9
70°-80°	209.4	5.1
80°-90°	139.2	3.4
90°-100°	95.7	2.3
100°-110°	64.3	1.6
110°-120°	45.3	1.1
120°-130°	32.4	0.8
130°-140°	22.8	0.6
140°-150°	14.2	0.3
150°-160°	6.9	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1400.4	34.2
0°-40°	2067.9	50.5
0°-60°	3135.5	76.6
0°-90°	3809.6	93.1
90°-120°	205.3	5.0
90°-150°	274.7	6.7
90°-180°	284.0	6.9
0°-180°	4094.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1842	1842	1842	1842	1842	
5°	1844	1827	1788	1786	1778	175
15°	1738	1727	1860	2025	2026	490
25°	1515	1796	1772	1287	1088	695
35°	1217	1708	900	693	672	762
45°	938	1149	569	563	574	720
55°	624	680	428	478	496	558
65°	322	366	286	318	328	323
75°	124	173	202	226	237	135
85°	19	74	143	181	194	25
90°	1	51	119	161	171	1
95°	1	39	101	136	146	0
105°	1	28	66	93	104	1
115°	1	24	49	69	78	2
125°	2	20	42	52	56	2
135°	2	16	34	44	46	2
145°	2	11	24	34	37	2
155°	3	7	15	22	26	1
165°	3	4	8	11	14	1
175°	4	4	4	4	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 2SNX-44HL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1842.1	1842.1	1842.1	1842.1	1842.1
1°	1854.6	1849.0	1830.2	1840.2	1835.2
2°	1854.0	1844.6	1823.3	1834.6	1828.3
3°	1850.8	1840.8	1813.3	1820.2	1810.8
4°	1847.7	1835.8	1802.7	1802.7	1792.1
5°	1844.0	1827.1	1787.7	1786.5	1777.7
6°	1839.6	1820.2	1774.6	1773.3	1768.3
7°	1833.3	1808.3	1760.2	1769.0	1765.2
8°	1825.8	1797.1	1752.7	1774.6	1780.2
9°	1819.0	1783.3	1744.0	1792.1	1796.5
10°	1807.7	1770.8	1749.6	1827.1	1840.2
11°	1798.3	1760.2	1762.1	1861.5	1900.9
12°	1789.0	1749.0	1774.0	1904.6	1952.7
13°	1773.3	1740.2	1800.2	1951.5	2000.9
14°	1759.6	1733.3	1825.8	1999.0	2028.4
15°	1738.3	1727.1	1860.2	2024.6	2026.5
16°	1724.0	1722.7	1900.2	2026.5	1991.5
17°	1707.7	1720.8	1932.7	1994.0	1952.7
18°	1689.6	1724.6	1959.6	1953.4	1905.9
19°	1669.0	1728.3	1970.9	1897.1	1835.8
20°	1646.4	1734.0	1964.6	1838.3	1739.6
21°	1623.9	1741.5	1952.7	1776.5	1613.3
22.5°	1582.1	1759.6	1896.5	1602.7	1404.5
23°	1570.2	1763.3	1883.4	1548.3	1350.2
24°	1540.8	1779.0	1823.3	1421.4	1206.4
25°	1514.6	1795.8	1772.1	1287.0	1088.3
26°	1485.2	1808.3	1694.6	1163.3	1015.7
27°	1456.4	1815.8	1606.4	1067.0	934.5
28°	1423.3	1824.0	1510.8	983.9	873.2
29°	1392.0	1825.2	1416.4	917.6	825.1
30°	1358.3	1819.0	1317.0	864.5	795.1
32.5°	1284.5	1784.6	1073.9	763.2	720.1
35°	1217.0	1707.7	900.1	693.2	672.0
37.5°	1148.9	1586.4	778.2	649.5	642.6
40°	1082.0	1442.7	686.3	614.4	615.7
42.5°	1011.4	1294.5	623.2	585.7	591.3
45°	937.6	1148.9	569.4	562.6	574.4
47.5°	855.7	1015.7	526.9	547.6	565.7
50°	778.2	883.9	493.8	533.2	551.9
52.5°	704.5	775.7	463.8	508.8	530.7
55°	624.5	679.5	427.6	477.6	495.7
57.5°	548.2	592.6	389.4	438.8	455.1
60°	464.4	506.9	350.7	396.9	412.6
62.5°	388.8	433.8	317.5	355.0	367.5
65°	321.9	366.3	286.3	318.2	328.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	262.5	310.0	260.7	287.5	296.9
70°	206.9	256.9	238.2	262.5	272.5
72.5°	161.9	212.5	219.4	241.9	251.9
75°	123.8	173.1	201.9	226.3	236.9
77.5°	91.9	141.3	185.6	213.8	225.0
80°	60.6	112.5	171.3	202.5	215.7
82.5°	38.1	90.6	156.9	191.3	205.0
85°	18.8	73.8	143.1	181.3	193.8
87.5°	6.3	61.3	130.6	171.3	181.9
90°	0.6	51.3	119.4	160.6	171.3
92.5°	0.6	44.4	110.0	148.1	158.8
95°	0.6	39.4	100.6	136.3	145.6
97.5°	0.6	35.6	91.9	123.8	133.8
100°	0.6	31.9	82.5	111.9	122.5
102.5°	1.3	29.4	74.4	101.9	113.1
105°	1.3	27.5	66.3	93.1	104.4
107.5°	1.3	26.3	59.4	86.3	96.9
110°	1.3	25.0	54.4	80.0	91.3
112.5°	1.3	24.4	51.3	74.4	85.0
115°	1.3	23.8	48.8	69.4	78.1
117.5°	1.9	23.1	46.9	64.4	71.3
120°	1.9	21.9	45.6	60.0	65.6
122.5°	1.9	20.6	43.8	56.3	60.6
125°	1.9	20.0	41.9	52.5	56.3
127.5°	1.9	18.8	40.0	49.4	53.1
130°	2.5	17.5	38.1	46.9	50.0
132.5°	2.5	16.3	36.3	45.6	48.1
135°	2.5	15.6	34.4	43.8	46.3
137.5°	2.5	14.4	32.5	41.9	44.4
140°	2.5	13.1	30.0	39.4	41.9
142.5°	2.5	12.5	27.5	36.9	39.4
145°	2.5	11.3	24.4	33.8	36.9
147.5°	3.1	10.6	21.9	31.3	33.8
150°	3.1	9.4	19.4	28.8	31.3
152.5°	3.1	8.1	16.9	25.6	28.1
155°	3.1	6.9	15.0	22.5	25.6
157.5°	3.1	6.3	13.1	18.8	22.5
160°	3.1	5.6	11.3	16.3	19.4
162.5°	3.1	5.0	10.0	13.8	16.9
165°	3.1	4.4	8.1	11.3	13.8
167.5°	3.8	4.4	6.9	8.8	11.3
170°	3.8	4.4	5.6	6.9	8.8
172.5°	3.8	3.8	4.4	5.0	5.6
175°	3.8	3.8	3.8	3.8	3.1
177.5°	3.8	3.8	3.8	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)