

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: P565751

Luminaire Tested: **2SNX-44HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565751
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-L935-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

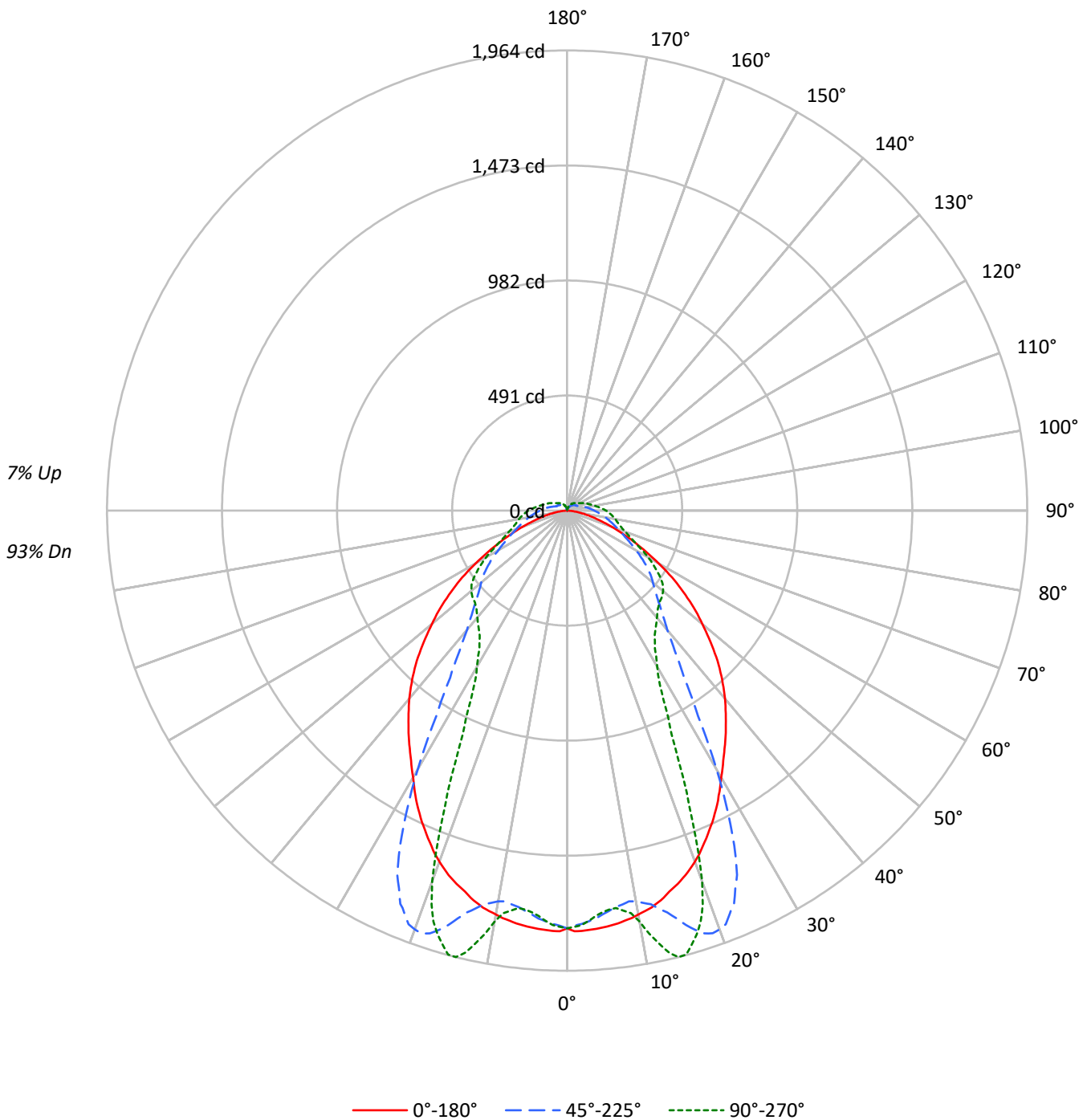
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3964.0 lumens
Efficiency: N/A
Efficacy: 127.5 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 (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	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°	38397	38397	38397
5°	38303	35746	35147
10°	37707	33864	34853
15°	36692	35149	37102
20°	35447	36527	31052
25°	33531	32675	19093
30°	31193	24268	13817
35°	29262	16701	11657
40°	27516	12923	10742
45°	25512	10970	10160
50°	22956	9811	9974
55°	20279	8842	9227
60°	16920	7619	7981
65°	13470	6607	6661
70°	10259	5907	5866
75°	7601	5458	5470
80°	4942	5129	5414
85°	2302	4848	5376



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.0	4.2
10°-20°	507.1	12.8
20°-30°	682.9	17.2
30°-40°	646.3	16.3
40°-50°	570.4	14.4
50°-60°	463.3	11.7
60°-70°	315.1	7.9
70°-80°	202.8	5.1
80°-90°	134.8	3.4
90°-100°	92.6	2.3
100°-110°	62.2	1.6
110°-120°	43.9	1.1
120°-130°	31.3	0.8
130°-140°	22.1	0.6
140°-150°	13.7	0.3
150°-160°	6.7	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1356.0	34.2
0°-40°	2002.2	50.5
0°-60°	3036.0	76.6
0°-90°	3688.7	93.1
90°-120°	198.7	5.0
90°-150°	265.9	6.7
90°-180°	275.0	6.9
0°-180°	3964.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1784	1784	1784	1784	1784	
5°	1785	1769	1731	1730	1721	169
15°	1683	1672	1801	1960	1962	475
25°	1466	1739	1716	1246	1054	673
35°	1178	1654	872	671	651	737
45°	908	1112	551	545	556	697
55°	605	658	414	462	480	540
65°	312	355	277	308	318	313
75°	120	168	196	219	229	130
85°	18	71	139	176	188	24
90°	1	50	116	156	166	1
95°	1	38	97	132	141	0
105°	1	27	64	90	101	1
115°	1	23	47	67	76	1
125°	2	19	41	51	54	2
135°	2	15	33	42	45	2
145°	2	11	24	33	36	2
155°	3	7	14	22	25	1
165°	3	4	8	11	13	1
175°	4	4	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1783.6	1783.6	1783.6	1783.6	1783.6
1°	1795.7	1790.3	1772.1	1781.8	1776.9
2°	1795.1	1786.0	1765.4	1776.3	1770.3
3°	1792.1	1782.4	1755.8	1762.4	1753.3
4°	1789.1	1777.6	1745.5	1745.5	1735.2
5°	1785.4	1769.1	1730.9	1729.7	1721.3
6°	1781.2	1762.4	1718.2	1717.0	1712.2
7°	1775.1	1750.9	1704.3	1712.8	1709.2
8°	1767.9	1740.0	1697.1	1718.2	1723.7
9°	1761.2	1726.7	1688.6	1735.2	1739.4
10°	1750.3	1714.6	1694.0	1769.1	1781.8
11°	1741.2	1704.3	1706.1	1802.4	1840.5
12°	1732.2	1693.4	1717.6	1844.1	1890.7
13°	1717.0	1685.0	1743.1	1889.5	1937.3
14°	1703.7	1678.3	1767.9	1935.5	1964.0
15°	1683.1	1672.2	1801.2	1960.3	1962.1
16°	1669.2	1668.0	1839.9	1962.1	1928.3
17°	1653.5	1666.2	1871.4	1930.7	1890.7
18°	1635.9	1669.8	1897.4	1891.3	1845.3
19°	1616.0	1673.5	1908.3	1836.9	1777.6
20°	1594.2	1678.9	1902.2	1780.0	1684.3
21°	1572.4	1686.2	1890.7	1720.1	1562.1
22.5°	1531.8	1703.7	1836.3	1551.8	1359.9
23°	1520.3	1707.3	1823.5	1499.1	1307.3
24°	1491.9	1722.5	1765.4	1376.3	1168.1
25°	1466.5	1738.8	1715.8	1246.2	1053.7
26°	1438.0	1750.9	1640.8	1126.3	983.5
27°	1410.2	1758.2	1555.4	1033.1	904.8
28°	1378.1	1766.1	1462.8	952.6	845.5
29°	1347.8	1767.3	1371.4	888.5	798.9
30°	1315.2	1761.2	1275.2	837.0	769.8
32.5°	1243.7	1727.9	1039.8	739.0	697.2
35°	1178.4	1653.5	871.5	671.2	650.6
37.5°	1112.4	1536.1	753.5	628.8	622.2
40°	1047.6	1396.9	664.5	594.9	596.1
42.5°	979.3	1253.4	603.4	567.1	572.5
45°	907.8	1112.4	551.4	544.7	556.2
47.5°	828.6	983.5	510.2	530.2	547.7
50°	753.5	855.8	478.1	516.3	534.4
52.5°	682.1	751.1	449.1	492.7	513.8
55°	604.6	657.9	414.0	462.4	479.9
57.5°	530.8	573.8	377.1	424.9	440.6
60°	449.7	490.8	339.5	384.3	399.4
62.5°	376.5	420.0	307.5	343.8	355.9
65°	311.7	354.7	277.2	308.1	317.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	254.2	300.2	252.4	278.4	287.5
70°	200.3	248.7	230.6	254.2	263.9
72.5°	156.8	205.8	212.4	234.2	243.9
75°	119.8	167.6	195.5	219.1	229.4
77.5°	89.0	136.8	179.8	207.0	217.9
80°	58.7	108.9	165.8	196.1	208.8
82.5°	36.9	87.8	151.9	185.2	198.5
85°	18.2	71.4	138.6	175.5	187.6
87.5°	6.1	59.3	126.5	165.8	176.1
90°	0.6	49.6	115.6	155.5	165.8
92.5°	0.6	43.0	106.5	143.4	153.7
95°	0.6	38.1	97.4	131.9	141.0
97.5°	0.6	34.5	89.0	119.8	129.5
100°	0.6	30.9	79.9	108.3	118.6
102.5°	1.2	28.4	72.0	98.7	109.5
105°	1.2	26.6	64.2	90.2	101.1
107.5°	1.2	25.4	57.5	83.5	93.8
110°	1.2	24.2	52.7	77.5	88.4
112.5°	1.2	23.6	49.6	72.0	82.3
115°	1.2	23.0	47.2	67.2	75.7
117.5°	1.8	22.4	45.4	62.3	69.0
120°	1.8	21.2	44.2	58.1	63.5
122.5°	1.8	20.0	42.4	54.5	58.7
125°	1.8	19.4	40.6	50.8	54.5
127.5°	1.8	18.2	38.7	47.8	51.4
130°	2.4	16.9	36.9	45.4	48.4
132.5°	2.4	15.7	35.1	44.2	46.6
135°	2.4	15.1	33.3	42.4	44.8
137.5°	2.4	13.9	31.5	40.6	43.0
140°	2.4	12.7	29.1	38.1	40.6
142.5°	2.4	12.1	26.6	35.7	38.1
145°	2.4	10.9	23.6	32.7	35.7
147.5°	3.0	10.3	21.2	30.3	32.7
150°	3.0	9.1	18.8	27.8	30.3
152.5°	3.0	7.9	16.3	24.8	27.2
155°	3.0	6.7	14.5	21.8	24.8
157.5°	3.0	6.1	12.7	18.2	21.8
160°	3.0	5.4	10.9	15.7	18.8
162.5°	3.0	4.8	9.7	13.3	16.3
165°	3.0	4.2	7.9	10.9	13.3
167.5°	3.6	4.2	6.7	8.5	10.9
170°	3.6	4.2	5.4	6.7	8.5
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)