

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: P565704

Luminaire Tested: **2SNX-40HL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565704
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-L940-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

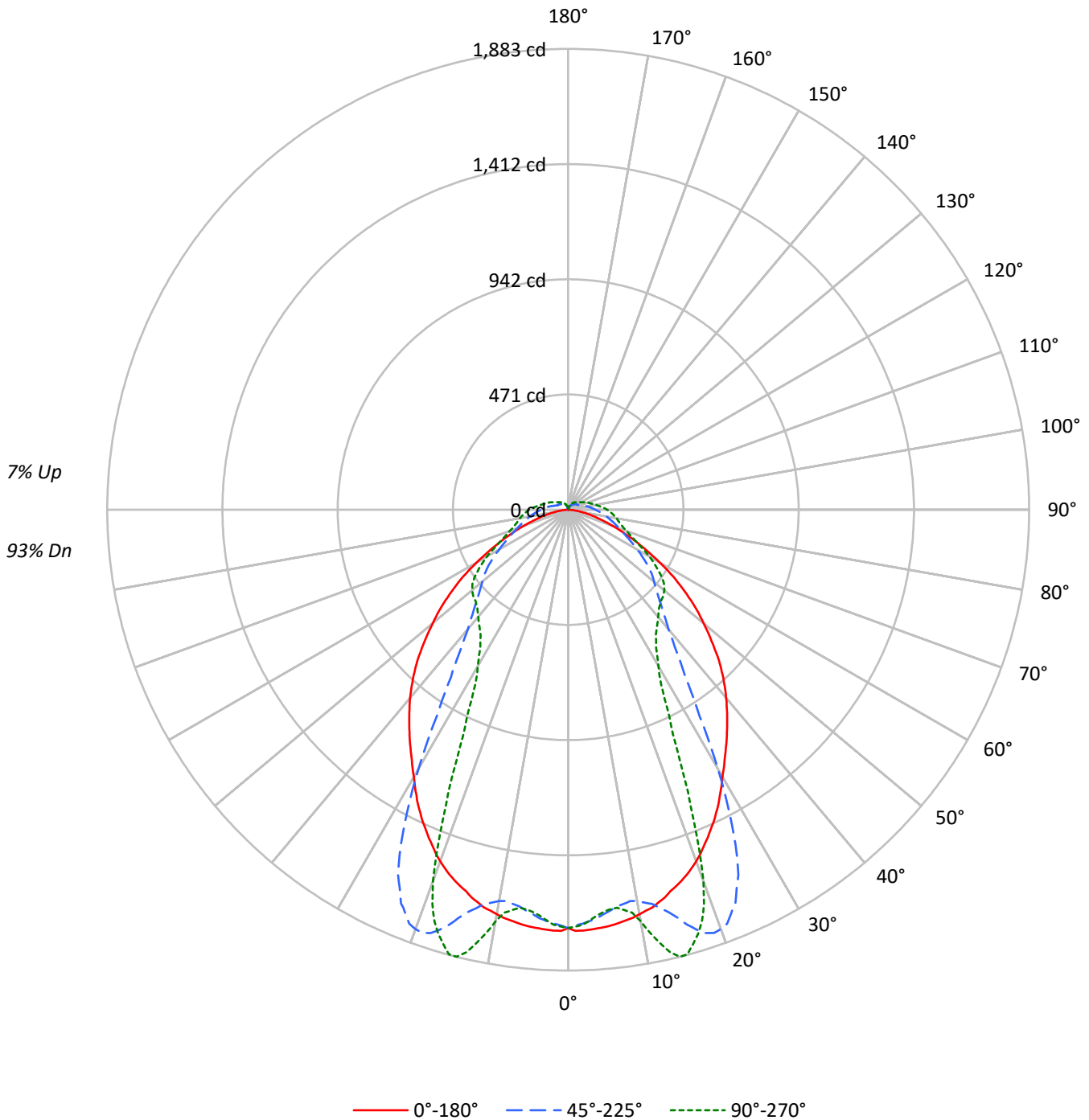
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3800.0 lumens
Efficiency: N/A
Efficacy: 137.9 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_{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	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°	36808	36808	36808
5°	36720	34268	33694
10°	36148	32463	33411
15°	35175	33693	35568
20°	33980	35016	29768
25°	32143	31323	18303
30°	29900	23265	13247
35°	28050	16012	11175
40°	26379	12388	10299
45°	24458	10516	9740
50°	22005	9405	9561
55°	19440	8474	8846
60°	16220	7305	7651
65°	12913	6332	6386
70°	9834	5664	5624
75°	7290	5232	5244
80°	4740	4918	5191
85°	2201	4648	5155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	4.2
10°-20°	486.2	12.8
20°-30°	654.6	17.2
30°-40°	619.5	16.3
40°-50°	546.8	14.4
50°-60°	444.1	11.7
60°-70°	302.1	7.9
70°-80°	194.4	5.1
80°-90°	129.3	3.4
90°-100°	88.8	2.3
100°-110°	59.6	1.6
110°-120°	42.1	1.1
120°-130°	30.0	0.8
130°-140°	21.2	0.6
140°-150°	13.2	0.3
150°-160°	6.4	0.2
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1299.9	34.2
0°-40°	1919.4	50.5
0°-60°	2910.4	76.6
0°-90°	3536.1	93.1
90°-120°	190.5	5.0
90°-150°	254.9	6.7
90°-180°	264.0	6.9
0°-180°	3800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1710	1710	1710	1710	1710	
5°	1712	1696	1659	1658	1650	162
15°	1614	1603	1727	1879	1881	455
25°	1406	1667	1645	1195	1010	645
35°	1130	1585	836	643	624	707
45°	870	1066	529	522	533	668
55°	580	631	397	443	460	518
65°	299	340	266	295	305	300
75°	115	161	187	210	220	125
85°	17	68	133	168	180	23
90°	1	48	111	149	159	1
95°	1	37	93	126	135	0
105°	1	26	62	86	97	1
115°	1	22	45	64	72	1
125°	2	19	39	49	52	2
135°	2	14	32	41	43	2
145°	2	10	23	31	34	2
155°	3	6	14	21	24	1
165°	3	4	8	10	13	1
175°	4	4	4	4	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 2SNX-40HL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1709.8	1709.8	1709.8	1709.8	1709.8
1°	1721.4	1716.2	1698.8	1708.1	1703.4
2°	1720.8	1712.1	1692.4	1702.9	1697.0
3°	1717.9	1708.7	1683.1	1689.5	1680.8
4°	1715.0	1704.0	1673.3	1673.3	1663.4
5°	1711.6	1695.9	1659.3	1658.2	1650.1
6°	1707.5	1689.5	1647.2	1646.0	1641.4
7°	1701.7	1678.5	1633.8	1641.9	1638.4
8°	1694.7	1668.0	1626.8	1647.2	1652.4
9°	1688.3	1655.3	1618.7	1663.4	1667.5
10°	1677.9	1643.7	1623.9	1695.9	1708.1
11°	1669.2	1633.8	1635.5	1727.8	1764.4
12°	1660.5	1623.4	1646.6	1767.8	1812.5
13°	1646.0	1615.2	1670.9	1811.3	1857.2
14°	1633.2	1608.9	1694.7	1855.4	1882.7
15°	1613.5	1603.1	1726.6	1879.2	1881.0
16°	1600.2	1599.0	1763.8	1881.0	1848.5
17°	1585.1	1597.3	1793.9	1850.8	1812.5
18°	1568.2	1600.7	1818.9	1813.1	1769.0
19°	1549.1	1604.2	1829.3	1760.9	1704.0
20°	1528.2	1609.4	1823.5	1706.3	1614.7
21°	1507.3	1616.4	1812.5	1648.9	1497.5
22.5°	1468.5	1633.2	1760.3	1487.6	1303.7
23°	1457.4	1636.7	1748.1	1437.1	1253.2
24°	1430.2	1651.2	1692.4	1319.3	1119.8
25°	1405.8	1666.9	1644.8	1194.6	1010.1
26°	1378.5	1678.5	1572.9	1079.7	942.8
27°	1351.8	1685.4	1491.1	990.4	867.4
28°	1321.1	1693.0	1402.3	913.2	810.5
29°	1292.1	1694.1	1314.7	851.7	765.8
30°	1260.7	1688.3	1222.5	802.4	738.0
32.5°	1192.3	1656.4	996.8	708.4	668.4
35°	1129.6	1585.1	835.5	643.4	623.7
37.5°	1066.4	1472.5	722.3	602.8	596.4
40°	1004.3	1339.1	637.0	570.3	571.5
42.5°	938.7	1201.6	578.4	543.6	548.9
45°	870.3	1066.4	528.6	522.2	533.2
47.5°	794.3	942.8	489.1	508.2	525.1
50°	722.3	820.4	458.3	494.9	512.3
52.5°	653.9	720.0	430.5	472.3	492.6
55°	579.6	630.7	396.8	443.3	460.1
57.5°	508.8	550.0	361.5	407.3	422.4
60°	431.1	470.5	325.5	368.4	382.9
62.5°	360.9	402.7	294.7	329.5	341.2
65°	298.8	340.0	265.7	295.3	304.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	243.7	287.8	241.9	266.9	275.6
70°	192.0	238.5	221.1	243.7	253.0
72.5°	150.3	197.3	203.6	224.5	233.8
75°	114.9	160.7	187.4	210.0	219.9
77.5°	85.3	131.1	172.3	198.4	208.9
80°	56.3	104.4	159.0	188.0	200.2
82.5°	35.4	84.1	145.6	177.5	190.3
85°	17.4	68.5	132.9	168.3	179.9
87.5°	5.8	56.9	121.3	159.0	168.8
90°	0.6	47.6	110.8	149.1	159.0
92.5°	0.6	41.2	102.1	137.5	147.4
95°	0.6	36.6	93.4	126.5	135.2
97.5°	0.6	33.1	85.3	114.9	124.2
100°	0.6	29.6	76.6	103.9	113.7
102.5°	1.2	27.3	69.0	94.6	105.0
105°	1.2	25.5	61.5	86.4	96.9
107.5°	1.2	24.4	55.1	80.1	89.9
110°	1.2	23.2	50.5	74.3	84.7
112.5°	1.2	22.6	47.6	69.0	78.9
115°	1.2	22.0	45.3	64.4	72.5
117.5°	1.7	21.5	43.5	59.8	66.1
120°	1.7	20.3	42.4	55.7	60.9
122.5°	1.7	19.1	40.6	52.2	56.3
125°	1.7	18.6	38.9	48.7	52.2
127.5°	1.7	17.4	37.1	45.8	49.3
130°	2.3	16.2	35.4	43.5	46.4
132.5°	2.3	15.1	33.7	42.4	44.7
135°	2.3	14.5	31.9	40.6	42.9
137.5°	2.3	13.3	30.2	38.9	41.2
140°	2.3	12.2	27.8	36.6	38.9
142.5°	2.3	11.6	25.5	34.2	36.6
145°	2.3	10.4	22.6	31.3	34.2
147.5°	2.9	9.9	20.3	29.0	31.3
150°	2.9	8.7	18.0	26.7	29.0
152.5°	2.9	7.5	15.7	23.8	26.1
155°	2.9	6.4	13.9	20.9	23.8
157.5°	2.9	5.8	12.2	17.4	20.9
160°	2.9	5.2	10.4	15.1	18.0
162.5°	2.9	4.6	9.3	12.8	15.7
165°	2.9	4.1	7.5	10.4	12.8
167.5°	3.5	4.1	6.4	8.1	10.4
170°	3.5	4.1	5.2	6.4	8.1
172.5°	3.5	3.5	4.1	4.6	5.2
175°	3.5	3.5	3.5	3.5	2.9
177.5°	3.5	3.5	3.5	2.9	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)