

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: P565705

Luminaire Tested: **2SNX-40HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565705
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-L950-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

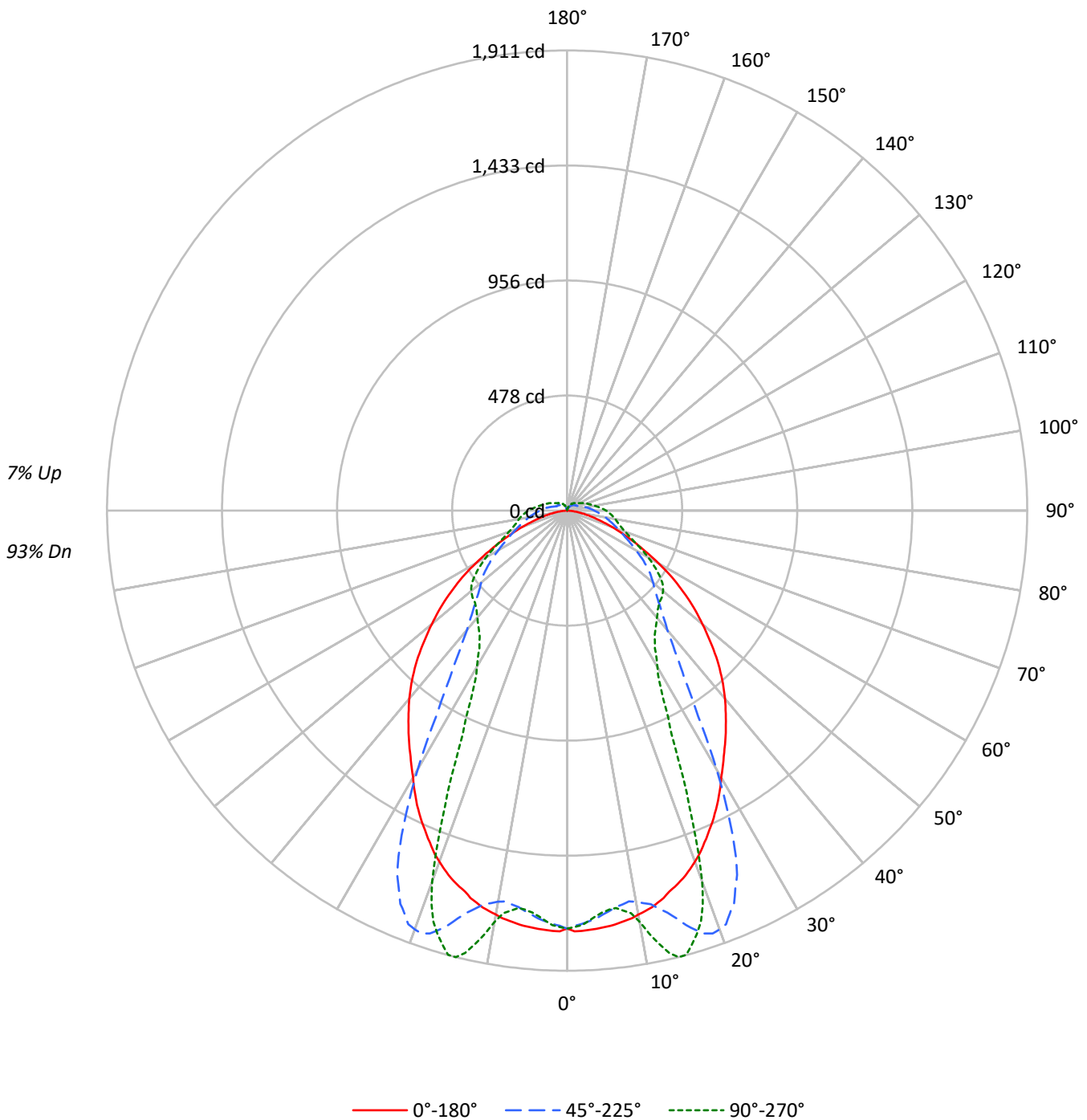
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3858.0 lumens
Efficiency: N/A
Efficacy: 140.0 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	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°	37370	37370	37370
5°	37280	34792	34206
10°	36699	32958	33920
15°	35711	34208	36111
20°	34498	35552	30222
25°	32635	31801	18582
30°	30358	23619	13449
35°	28479	16255	11345
40°	26781	12579	10456
45°	24832	10675	9888
50°	22344	9549	9707
55°	19739	8605	8981
60°	16468	7417	7769
65°	13112	6430	6482
70°	9987	5748	5708
75°	7398	5313	5322
80°	4807	4993	5269
85°	2239	4718	5232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	4.2
10°-20°	493.6	12.8
20°-30°	664.6	17.2
30°-40°	629.0	16.3
40°-50°	555.2	14.4
50°-60°	450.9	11.7
60°-70°	306.7	7.9
70°-80°	197.3	5.1
80°-90°	131.2	3.4
90°-100°	90.2	2.3
100°-110°	60.5	1.6
110°-120°	42.7	1.1
120°-130°	30.5	0.8
130°-140°	21.5	0.6
140°-150°	13.4	0.3
150°-160°	6.5	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1319.7	34.2
0°-40°	1948.7	50.5
0°-60°	2954.8	76.6
0°-90°	3590.0	93.1
90°-120°	193.4	5.0
90°-150°	258.8	6.7
90°-180°	268.0	6.9
0°-180°	3858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1738	1722	1685	1684	1675	165
15°	1638	1628	1753	1908	1910	462
25°	1427	1692	1670	1213	1026	655
35°	1147	1609	848	653	633	718
45°	884	1083	537	530	541	678
55°	588	640	403	450	467	526
65°	303	345	270	300	309	305
75°	117	163	190	213	223	127
85°	18	70	135	171	183	23
90°	1	48	112	151	161	1
95°	1	37	95	128	137	0
105°	1	26	62	88	98	1
115°	1	22	46	65	74	1
125°	2	19	40	50	53	2
135°	2	15	32	41	44	2
145°	2	11	23	32	35	2
155°	3	6	14	21	24	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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CATALOG NUMBER: 2SNX-40HL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1735.9	1735.9	1735.9	1735.9	1735.9
1°	1747.7	1742.4	1724.7	1734.1	1729.4
2°	1747.1	1738.3	1718.2	1728.8	1723.0
3°	1744.2	1734.7	1708.8	1715.3	1706.5
4°	1741.2	1730.0	1698.8	1698.8	1688.8
5°	1737.7	1721.8	1684.7	1683.5	1675.2
6°	1733.6	1715.3	1672.3	1671.1	1666.4
7°	1727.7	1704.1	1658.7	1667.0	1663.5
8°	1720.6	1693.5	1651.7	1672.3	1677.6
9°	1714.1	1680.5	1643.4	1688.8	1692.9
10°	1703.5	1668.8	1648.7	1721.8	1734.1
11°	1694.7	1658.7	1660.5	1754.2	1791.3
12°	1685.8	1648.1	1671.7	1794.8	1840.2
13°	1671.1	1639.9	1696.4	1839.0	1885.5
14°	1658.2	1633.4	1720.6	1883.8	1911.4
15°	1638.1	1627.5	1753.0	1907.9	1909.7
16°	1624.6	1623.4	1790.7	1909.7	1876.7
17°	1609.3	1621.6	1821.3	1879.0	1840.2
18°	1592.2	1625.2	1846.7	1840.8	1796.0
19°	1572.7	1628.7	1857.3	1787.7	1730.0
20°	1551.5	1634.0	1851.4	1732.4	1639.3
21°	1530.3	1641.1	1840.2	1674.1	1520.3
22.5°	1490.9	1658.2	1787.2	1510.3	1323.6
23°	1479.7	1661.7	1774.8	1459.1	1272.3
24°	1452.0	1676.4	1718.2	1339.5	1136.9
25°	1427.3	1692.3	1669.9	1212.8	1025.5
26°	1399.6	1704.1	1596.9	1096.2	957.2
27°	1372.5	1711.2	1513.8	1005.5	880.6
28°	1341.3	1718.8	1423.7	927.2	822.9
29°	1311.8	1720.0	1334.8	864.7	777.5
30°	1280.0	1714.1	1241.1	814.6	749.3
32.5°	1210.5	1681.7	1012.0	719.2	678.6
35°	1146.9	1609.3	848.2	653.2	633.2
37.5°	1082.7	1495.0	733.4	612.0	605.5
40°	1019.6	1359.5	646.8	579.0	580.2
42.5°	953.1	1219.9	587.3	551.9	557.2
45°	883.6	1082.7	536.6	530.1	541.3
47.5°	806.4	957.2	496.6	516.0	533.1
50°	733.4	832.9	465.3	502.5	520.1
52.5°	663.9	731.0	437.1	479.5	500.1
55°	588.5	640.3	402.9	450.0	467.1
57.5°	516.6	558.4	367.0	413.5	428.8
60°	437.7	477.7	330.5	374.0	388.8
62.5°	366.4	408.8	299.2	334.6	346.4
65°	303.4	345.2	269.8	299.8	309.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	247.4	292.2	245.6	271.0	279.8
70°	195.0	242.1	224.4	247.4	256.8
72.5°	152.6	200.3	206.8	228.0	237.4
75°	116.6	163.2	190.3	213.2	223.2
77.5°	86.6	133.1	174.9	201.5	212.1
80°	57.1	106.0	161.4	190.8	203.2
82.5°	35.9	85.4	147.8	180.2	193.2
85°	17.7	69.5	134.9	170.8	182.6
87.5°	5.9	57.7	123.1	161.4	171.4
90°	0.6	48.3	112.5	151.4	161.4
92.5°	0.6	41.8	103.7	139.6	149.6
95°	0.6	37.1	94.8	128.4	137.2
97.5°	0.6	33.6	86.6	116.6	126.1
100°	0.6	30.0	77.8	105.4	115.5
102.5°	1.2	27.7	70.1	96.0	106.6
105°	1.2	25.9	62.4	87.8	98.4
107.5°	1.2	24.7	56.0	81.3	91.3
110°	1.2	23.6	51.2	75.4	86.0
112.5°	1.2	23.0	48.3	70.1	80.1
115°	1.2	22.4	45.9	65.4	73.6
117.5°	1.8	21.8	44.2	60.7	67.2
120°	1.8	20.6	43.0	56.5	61.8
122.5°	1.8	19.4	41.2	53.0	57.1
125°	1.8	18.8	39.5	49.5	53.0
127.5°	1.8	17.7	37.7	46.5	50.1
130°	2.4	16.5	35.9	44.2	47.1
132.5°	2.4	15.3	34.2	43.0	45.4
135°	2.4	14.7	32.4	41.2	43.6
137.5°	2.4	13.5	30.6	39.5	41.8
140°	2.4	12.4	28.3	37.1	39.5
142.5°	2.4	11.8	25.9	34.8	37.1
145°	2.4	10.6	23.0	31.8	34.8
147.5°	2.9	10.0	20.6	29.5	31.8
150°	2.9	8.8	18.3	27.1	29.5
152.5°	2.9	7.7	15.9	24.2	26.5
155°	2.9	6.5	14.1	21.2	24.2
157.5°	2.9	5.9	12.4	17.7	21.2
160°	2.9	5.3	10.6	15.3	18.3
162.5°	2.9	4.7	9.4	13.0	15.9
165°	2.9	4.1	7.7	10.6	13.0
167.5°	3.5	4.1	6.5	8.2	10.6
170°	3.5	4.1	5.3	6.5	8.2
172.5°	3.5	3.5	4.1	4.7	5.3
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)