

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: P565753

Luminaire Tested: **2SNX-44HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565753
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-L950-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

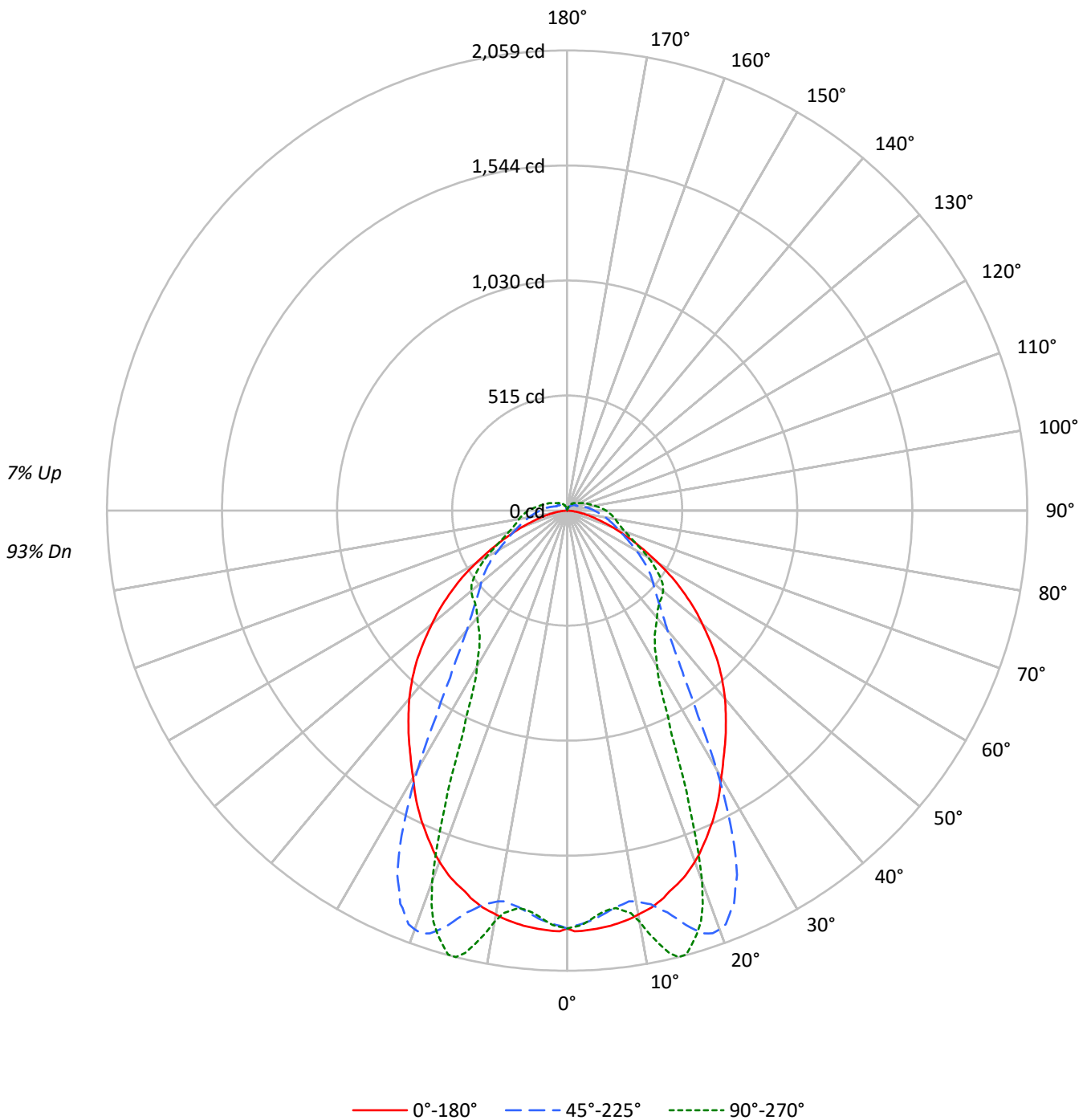
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4156.0 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): 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	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	37	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°	40257	40257	40257
5°	40159	37479	36848
10°	39534	35505	36541
15°	38471	36851	38900
20°	37164	38298	32556
25°	35155	34258	20017
30°	32703	25444	14487
35°	30680	17510	12221
40°	28850	13549	11263
45°	26748	11501	10651
50°	24068	10287	10457
55°	21262	9269	9675
60°	17740	7989	8368
65°	14123	6926	6984
70°	10755	6194	6151
75°	7969	5723	5735
80°	5186	5379	5676
85°	2404	5082	5636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	4.2
10°-20°	531.7	12.8
20°-30°	715.9	17.2
30°-40°	677.6	16.3
40°-50°	598.1	14.4
50°-60°	485.7	11.7
60°-70°	330.4	7.9
70°-80°	212.6	5.1
80°-90°	141.4	3.4
90°-100°	97.1	2.3
100°-110°	65.2	1.6
110°-120°	46.0	1.1
120°-130°	32.8	0.8
130°-140°	23.2	0.6
140°-150°	14.4	0.3
150°-160°	7.0	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1421.7	34.2
0°-40°	2099.2	50.5
0°-60°	3183.0	76.6
0°-90°	3867.3	93.1
90°-120°	208.4	5.0
90°-150°	278.8	6.7
90°-180°	289.0	7.0
0°-180°	4156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1870	1870	1870	1870	1870	
5°	1872	1855	1815	1814	1805	178
15°	1765	1753	1888	2055	2057	497
25°	1538	1823	1799	1306	1105	706
35°	1236	1734	914	704	682	773
45°	952	1166	578	571	583	731
55°	634	690	434	485	503	566
65°	327	372	291	323	333	328
75°	126	176	205	230	240	137
85°	19	75	145	184	197	25
90°	1	52	121	163	174	1
95°	1	40	102	138	148	0
105°	1	28	67	94	106	1
115°	1	24	50	70	79	2
125°	2	20	42	53	57	2
135°	2	16	35	44	47	2
145°	2	11	25	34	37	2
155°	3	7	15	23	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-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1870.0	1870.0	1870.0	1870.0	1870.0
1°	1882.7	1877.0	1857.9	1868.1	1863.0
2°	1882.1	1872.5	1851.0	1862.4	1856.0
3°	1878.9	1868.7	1840.8	1847.8	1838.3
4°	1875.7	1863.6	1830.0	1830.0	1819.2
5°	1871.9	1854.8	1814.8	1813.5	1804.6
6°	1867.5	1847.8	1801.5	1800.2	1795.1
7°	1861.1	1835.7	1786.9	1795.8	1791.9
8°	1853.5	1824.3	1779.3	1801.5	1807.2
9°	1846.5	1810.3	1770.4	1819.2	1823.7
10°	1835.1	1797.7	1776.1	1854.8	1868.1
11°	1825.6	1786.9	1788.8	1889.7	1929.6
12°	1816.1	1775.4	1800.8	1933.4	1982.3
13°	1800.2	1766.6	1827.5	1981.0	2031.2
14°	1786.2	1759.6	1853.5	2029.3	2059.1
15°	1764.7	1753.2	1888.4	2055.3	2057.2
16°	1750.1	1748.8	1929.0	2057.2	2021.7
17°	1733.6	1746.9	1962.0	2024.2	1982.3
18°	1715.2	1750.7	1989.3	1982.9	1934.7
19°	1694.2	1754.5	2000.7	1925.8	1863.6
20°	1671.4	1760.2	1994.4	1866.2	1765.9
21°	1648.5	1767.8	1982.3	1803.4	1637.8
22.5°	1606.0	1786.2	1925.2	1627.0	1425.8
23°	1594.0	1790.0	1911.9	1571.8	1370.6
24°	1564.1	1805.9	1851.0	1442.9	1224.7
25°	1537.5	1823.0	1798.9	1306.5	1104.7
26°	1507.7	1835.7	1720.2	1180.9	1031.1
27°	1478.5	1843.3	1630.8	1083.2	948.6
28°	1444.9	1851.6	1533.7	998.8	886.5
29°	1413.1	1852.9	1437.9	931.5	837.6
30°	1378.9	1846.5	1337.0	877.6	807.1
32.5°	1304.0	1811.6	1090.1	774.8	731.0
35°	1235.5	1733.6	913.7	703.7	682.1
37.5°	1166.3	1610.5	790.0	659.3	652.3
40°	1098.4	1464.5	696.7	623.8	625.0
42.5°	1026.7	1314.1	632.6	594.6	600.3
45°	951.8	1166.3	578.1	571.1	583.1
47.5°	868.7	1031.1	534.9	555.9	574.3
50°	790.0	897.2	501.3	541.3	560.3
52.5°	715.1	787.5	470.8	516.5	538.7
55°	633.9	689.7	434.0	484.8	503.2
57.5°	556.5	601.5	395.3	445.4	461.9
60°	471.5	514.6	356.0	402.9	418.8
62.5°	394.7	440.4	322.3	360.4	373.1
65°	326.8	371.8	290.6	323.0	333.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	266.5	314.7	264.6	291.9	301.4
70°	210.0	260.8	241.8	266.5	276.7
72.5°	164.3	215.7	222.7	245.6	255.7
75°	125.6	175.8	205.0	229.7	240.5
77.5°	93.3	143.4	188.5	217.0	228.4
80°	61.6	114.2	173.9	205.6	218.9
82.5°	38.7	92.0	159.3	194.2	208.1
85°	19.0	74.9	145.3	184.0	196.7
87.5°	6.3	62.2	132.6	173.9	184.7
90°	0.6	52.0	121.2	163.1	173.9
92.5°	0.6	45.1	111.7	150.4	161.2
95°	0.6	40.0	102.2	138.3	147.8
97.5°	0.6	36.2	93.3	125.6	135.8
100°	0.6	32.4	83.8	113.6	124.4
102.5°	1.3	29.8	75.5	103.4	114.9
105°	1.3	27.9	67.3	94.5	106.0
107.5°	1.3	26.7	60.3	87.6	98.4
110°	1.3	25.4	55.2	81.2	92.6
112.5°	1.3	24.7	52.0	75.5	86.3
115°	1.3	24.1	49.5	70.4	79.3
117.5°	1.9	23.5	47.6	65.4	72.3
120°	1.9	22.2	46.3	60.9	66.6
122.5°	1.9	20.9	44.4	57.1	61.6
125°	1.9	20.3	42.5	53.3	57.1
127.5°	1.9	19.0	40.6	50.1	53.9
130°	2.5	17.8	38.7	47.6	50.8
132.5°	2.5	16.5	36.8	46.3	48.9
135°	2.5	15.9	34.9	44.4	47.0
137.5°	2.5	14.6	33.0	42.5	45.1
140°	2.5	13.3	30.5	40.0	42.5
142.5°	2.5	12.7	27.9	37.4	40.0
145°	2.5	11.4	24.7	34.3	37.4
147.5°	3.2	10.8	22.2	31.7	34.3
150°	3.2	9.5	19.7	29.2	31.7
152.5°	3.2	8.2	17.1	26.0	28.6
155°	3.2	7.0	15.2	22.8	26.0
157.5°	3.2	6.3	13.3	19.0	22.8
160°	3.2	5.7	11.4	16.5	19.7
162.5°	3.2	5.1	10.2	14.0	17.1
165°	3.2	4.4	8.2	11.4	14.0
167.5°	3.8	4.4	7.0	8.9	11.4
170°	3.8	4.4	5.7	7.0	8.9
172.5°	3.8	3.8	4.4	5.1	5.7
175°	3.8	3.8	3.8	3.8	3.2
177.5°	3.8	3.8	3.8	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)