

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: P565799

Luminaire Tested: **2SNX-47HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565799
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-47HL-LC-UNV-L935-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

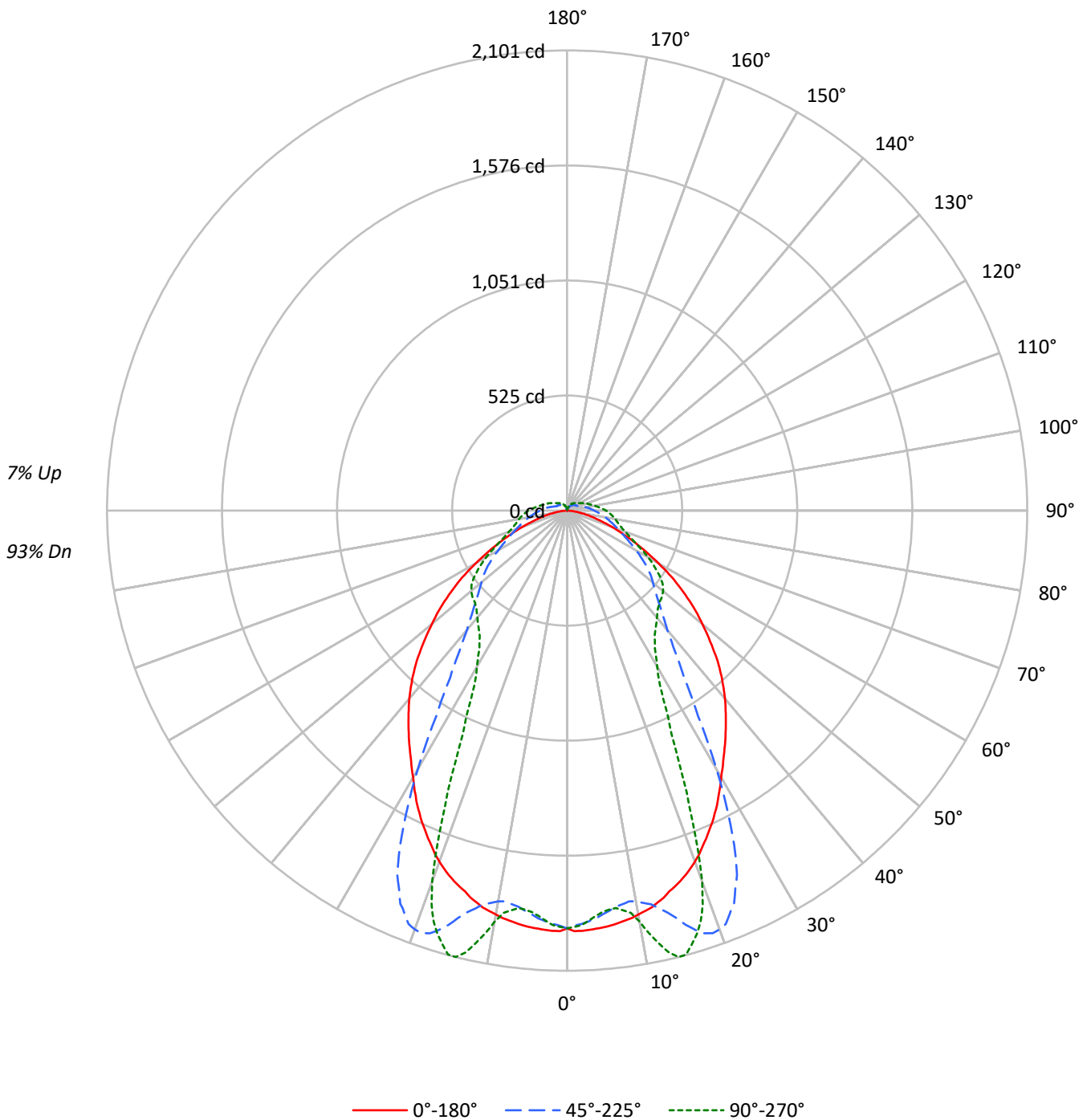
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4240.0 lumens
Efficiency: N/A
Efficacy: 125.8 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): 33.7
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°	41071	41071	41071
5°	40970	38237	37594
10°	40333	36223	37278
15°	39247	37596	39687
20°	37915	39072	33214
25°	35866	34951	20423
30°	33363	25958	14781
35°	31298	17865	12468
40°	29434	13824	11492
45°	27291	11734	10867
50°	24555	10495	10668
55°	21691	9457	9871
60°	18098	8151	8538
65°	14408	7067	7126
70°	10976	6317	6275
75°	8134	5838	5852
80°	5287	5488	5790
85°	2454	5184	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.5	4.2
10°-20°	542.5	12.8
20°-30°	730.4	17.2
30°-40°	691.3	16.3
40°-50°	610.1	14.4
50°-60°	495.6	11.7
60°-70°	337.1	7.9
70°-80°	216.9	5.1
80°-90°	144.2	3.4
90°-100°	99.1	2.3
100°-110°	66.5	1.6
110°-120°	46.9	1.1
120°-130°	33.5	0.8
130°-140°	23.7	0.6
140°-150°	14.7	0.3
150°-160°	7.2	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1450.4	34.2
0°-40°	2141.7	50.5
0°-60°	3247.4	76.6
0°-90°	3945.5	93.1
90°-120°	212.5	5.0
90°-150°	284.4	6.7
90°-180°	295.0	7.0
0°-180°	4240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1910	1892	1852	1850	1841	181
15°	1800	1789	1927	2097	2099	508
25°	1569	1860	1835	1333	1127	720
35°	1260	1769	932	718	696	789
45°	971	1190	590	583	595	746
55°	647	704	443	495	513	578
65°	333	379	296	330	340	335
75°	128	179	209	234	245	140
85°	19	76	148	188	201	25
90°	1	53	124	166	177	1
95°	1	41	104	141	151	0
105°	1	28	69	96	108	1
115°	1	25	50	72	81	2
125°	2	21	43	54	58	2
135°	3	16	36	45	48	2
145°	3	12	25	35	38	2
155°	3	7	16	23	26	1
165°	3	4	8	12	14	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°	1907.8	1907.8	1907.8	1907.8	1907.8
1°	1920.7	1914.9	1895.5	1905.8	1900.7
2°	1920.1	1910.4	1888.4	1900.0	1893.5
3°	1916.9	1906.5	1878.0	1885.1	1875.4
4°	1913.6	1901.3	1867.0	1867.0	1856.0
5°	1909.7	1892.3	1851.5	1850.2	1841.1
6°	1905.2	1885.1	1837.9	1836.6	1831.4
7°	1898.7	1872.8	1823.0	1832.0	1828.2
8°	1891.0	1861.2	1815.2	1837.9	1843.7
9°	1883.8	1846.9	1806.2	1856.0	1860.5
10°	1872.2	1834.0	1812.0	1892.3	1905.8
11°	1862.5	1823.0	1824.9	1927.9	1968.6
12°	1852.8	1811.3	1837.2	1972.5	2022.4
13°	1836.6	1802.3	1864.4	2021.1	2072.2
14°	1822.3	1795.1	1891.0	2070.3	2100.7
15°	1800.3	1788.7	1926.6	2096.8	2098.8
16°	1785.4	1784.1	1968.0	2098.8	2062.5
17°	1768.6	1782.2	2001.7	2065.1	2022.4
18°	1749.8	1786.1	2029.5	2023.0	1973.8
19°	1728.5	1790.0	2041.1	1964.8	1901.3
20°	1705.2	1795.8	2034.7	1903.9	1801.6
21°	1681.9	1803.6	2022.4	1839.8	1670.9
22.5°	1638.5	1822.3	1964.1	1659.8	1454.6
23°	1626.2	1826.2	1950.5	1603.5	1398.3
24°	1595.8	1842.4	1888.4	1472.1	1249.4
25°	1568.6	1859.9	1835.3	1332.9	1127.1
26°	1538.1	1872.8	1755.0	1204.8	1052.0
27°	1508.4	1880.6	1663.7	1105.1	967.8
28°	1474.1	1889.0	1564.7	1019.0	904.4
29°	1441.7	1890.3	1466.9	950.3	854.5
30°	1406.7	1883.8	1364.0	895.3	823.5
32.5°	1330.3	1848.2	1112.2	790.4	745.8
35°	1260.4	1768.6	932.2	717.9	695.9
37.5°	1189.9	1643.0	806.0	672.6	665.5
40°	1120.6	1494.1	710.8	636.4	637.7
42.5°	1047.4	1340.7	645.4	606.6	612.4
45°	971.1	1189.9	589.8	582.6	594.9
47.5°	886.2	1052.0	545.7	567.1	585.9
50°	806.0	915.4	511.4	552.2	571.6
52.5°	729.6	803.4	480.3	527.0	549.6
55°	646.7	703.7	442.8	494.6	513.4
57.5°	567.7	613.7	403.3	454.5	471.3
60°	481.0	525.0	363.2	411.1	427.3
62.5°	402.7	449.3	328.9	367.7	380.7
65°	333.4	379.4	296.5	329.5	339.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	271.9	321.1	270.0	297.8	307.5
70°	214.3	266.1	246.6	271.9	282.3
72.5°	167.7	220.1	227.2	250.5	260.9
75°	128.2	179.3	209.1	234.3	245.4
77.5°	95.2	146.3	192.3	221.4	233.1
80°	62.8	116.5	177.4	209.7	223.3
82.5°	39.5	93.9	162.5	198.1	212.3
85°	19.4	76.4	148.2	187.7	200.7
87.5°	6.5	63.4	135.3	177.4	188.4
90°	0.6	53.1	123.6	166.4	177.4
92.5°	0.6	46.0	113.9	153.4	164.4
95°	0.6	40.8	104.2	141.1	150.8
97.5°	0.6	36.9	95.2	128.2	138.5
100°	0.6	33.0	85.5	115.9	126.9
102.5°	1.3	30.4	77.0	105.5	117.2
105°	1.3	28.5	68.6	96.5	108.1
107.5°	1.3	27.2	61.5	89.3	100.3
110°	1.3	25.9	56.3	82.9	94.5
112.5°	1.3	25.2	53.1	77.0	88.0
115°	1.3	24.6	50.5	71.9	80.9
117.5°	1.9	24.0	48.6	66.7	73.8
120°	1.9	22.7	47.3	62.1	68.0
122.5°	1.9	21.4	45.3	58.3	62.8
125°	1.9	20.7	43.4	54.4	58.3
127.5°	1.9	19.4	41.4	51.1	55.0
130°	2.6	18.1	39.5	48.6	51.8
132.5°	2.6	16.8	37.5	47.3	49.8
135°	2.6	16.2	35.6	45.3	47.9
137.5°	2.6	14.9	33.7	43.4	46.0
140°	2.6	13.6	31.1	40.8	43.4
142.5°	2.6	12.9	28.5	38.2	40.8
145°	2.6	11.7	25.2	35.0	38.2
147.5°	3.2	11.0	22.7	32.4	35.0
150°	3.2	9.7	20.1	29.8	32.4
152.5°	3.2	8.4	17.5	26.5	29.1
155°	3.2	7.1	15.5	23.3	26.5
157.5°	3.2	6.5	13.6	19.4	23.3
160°	3.2	5.8	11.7	16.8	20.1
162.5°	3.2	5.2	10.4	14.2	17.5
165°	3.2	4.5	8.4	11.7	14.2
167.5°	3.9	4.5	7.1	9.1	11.7
170°	3.9	4.5	5.8	7.1	9.1
172.5°	3.9	3.9	4.5	5.2	5.8
175°	3.9	3.9	3.9	3.9	3.2
177.5°	3.9	3.9	3.9	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)