

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: P567139

Luminaire Tested: **4SNX-SL3-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-UNV-CC83-CD-4000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

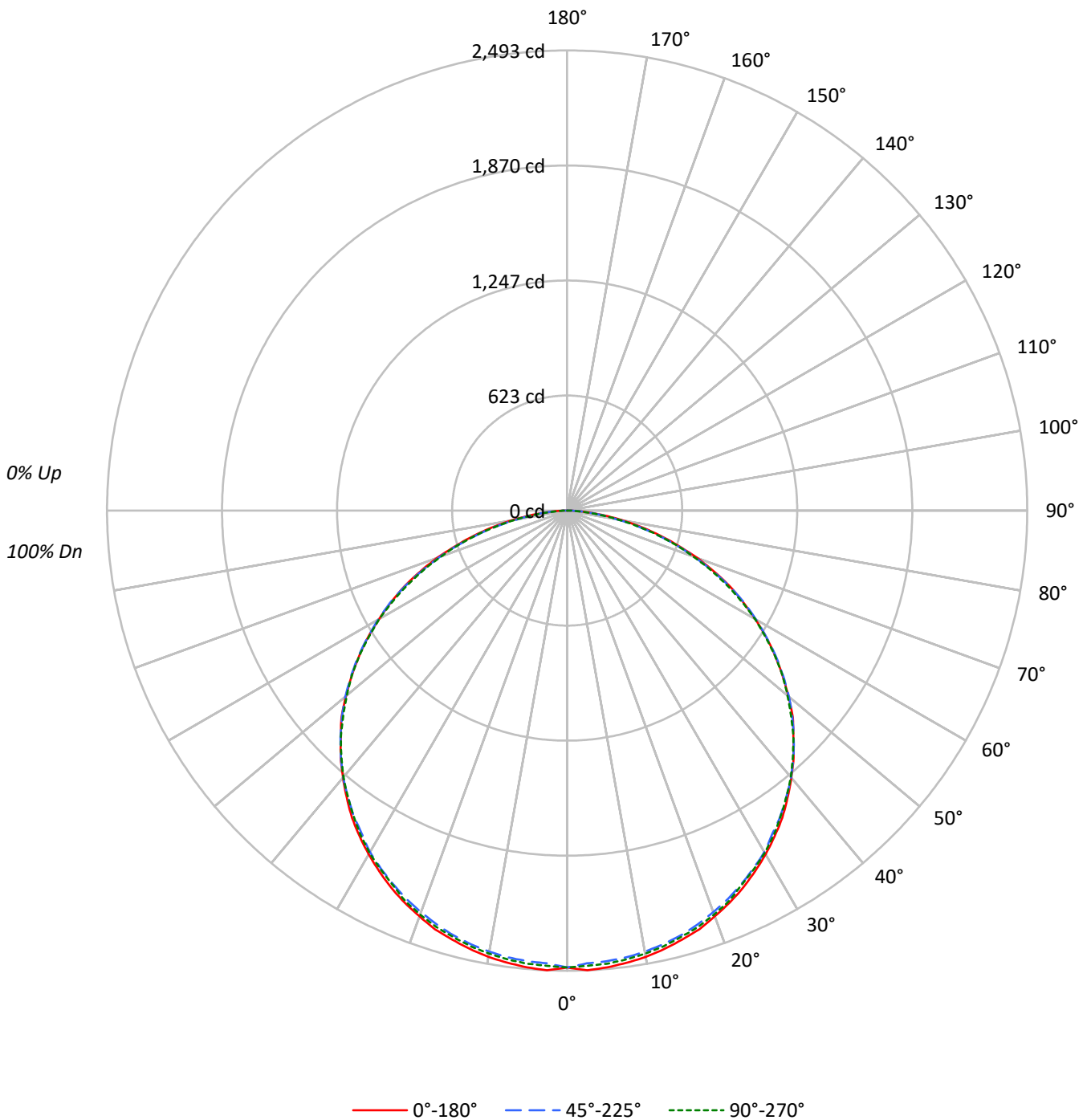
Lumens per Lamp: N/A
Luminaire Lumens: 7401.0 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.9
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 99 | 95 | 106 | 101 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 83 |
| 2 | 99 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 42 |
| 6 | 69 | 56 | 47 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 39 | 50 | 44 | 39 | 37 |
| 7 | 64 | 51 | 42 | 35 | 63 | 50 | 41 | 35 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 35 | 33 |
| 8 | 60 | 46 | 37 | 32 | 58 | 45 | 37 | 31 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 35 | 31 | 29 |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 52 | 39 | 31 | 26 | 51 | 38 | 31 | 26 | 37 | 30 | 25 | 36 | 30 | 25 | 36 | 30 | 25 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 26644 | 26644 | 26644 |
| 5° | 26842 | 26481 | 26625 |
| 10° | 26835 | 26519 | 26641 |
| 15° | 26815 | 26542 | 26641 |
| 20° | 26798 | 26518 | 26670 |
| 25° | 26781 | 26516 | 26569 |
| 30° | 26726 | 26560 | 26616 |
| 35° | 26705 | 26500 | 26529 |
| 40° | 26554 | 26523 | 26492 |
| 45° | 26396 | 26429 | 26396 |
| 50° | 26204 | 26279 | 26093 |
| 55° | 25858 | 25941 | 25815 |
| 60° | 25349 | 25446 | 25302 |
| 65° | 24833 | 24662 | 24321 |
| 70° | 23607 | 23119 | 22839 |
| 75° | 21568 | 20828 | 20923 |
| 80° | 18627 | 17245 | 17660 |
| 85° | 14017 | 13474 | 12091 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 234.8 | 3.2 |
| 10°-20° | 676.6 | 9.1 |
| 20°-30° | 1035.3 | 14.0 |
| 30°-40° | 1265.8 | 17.1 |
| 40°-50° | 1339.0 | 18.1 |
| 50°-60° | 1233.7 | 16.7 |
| 60°-70° | 950.7 | 12.8 |
| 70°-80° | 532.7 | 7.2 |
| 80°-90° | 132.4 | 1.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1946.7 | 26.3 |
| 0°-40° | 3212.5 | 43.4 |
| 0°-60° | 5785.2 | 78.2 |
| 0°-90° | 7401.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7401.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2475 | 2475 | 2475 | 2475 | 2475 | |
| 5° | 2484 | 2475 | 2451 | 2475 | 2464 | 236 |
| 15° | 2406 | 2402 | 2382 | 2402 | 2391 | 680 |
| 25° | 2255 | 2250 | 2233 | 2250 | 2237 | 1039 |
| 35° | 2032 | 2028 | 2017 | 2023 | 2019 | 1270 |
| 45° | 1734 | 1741 | 1736 | 1734 | 1734 | 1339 |
| 55° | 1378 | 1389 | 1382 | 1382 | 1376 | 1230 |
| 65° | 975 | 975 | 968 | 944 | 955 | 959 |
| 75° | 519 | 512 | 501 | 483 | 503 | 550 |
| 85° | 114 | 107 | 109 | 109 | 98 | 140 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P567139

CATALOG NUMBER: 4SNX-SL3-UNV-CC83-CD-4000K-HI

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2475.3 | 2475.3 | 2475.3 | 2475.3 | 2475.3 |
| 2.5° | 2493.1 | 2481.9 | 2455.2 | 2479.7 | 2468.6 |
| 5° | 2484.2 | 2475.3 | 2450.8 | 2475.3 | 2464.1 |
| 7.5° | 2470.8 | 2464.1 | 2441.9 | 2464.1 | 2453.0 |
| 10° | 2455.2 | 2448.5 | 2426.3 | 2448.5 | 2437.4 |
| 12.5° | 2433.0 | 2428.5 | 2406.3 | 2428.5 | 2417.4 |
| 15° | 2406.3 | 2401.8 | 2381.8 | 2401.8 | 2390.7 |
| 17.5° | 2379.5 | 2370.6 | 2350.6 | 2372.9 | 2364.0 |
| 20° | 2339.5 | 2335.0 | 2315.0 | 2335.0 | 2328.3 |
| 22.5° | 2299.4 | 2295.0 | 2277.1 | 2295.0 | 2290.5 |
| 25° | 2254.9 | 2250.4 | 2232.6 | 2250.4 | 2237.1 |
| 27.5° | 2203.7 | 2205.9 | 2185.9 | 2197.0 | 2190.3 |
| 30° | 2150.3 | 2150.3 | 2136.9 | 2141.4 | 2141.4 |
| 32.5° | 2092.4 | 2092.4 | 2072.4 | 2085.7 | 2083.5 |
| 35° | 2032.3 | 2027.8 | 2016.7 | 2023.4 | 2018.9 |
| 37.5° | 1961.1 | 1958.8 | 1952.2 | 1956.6 | 1952.2 |
| 40° | 1889.8 | 1892.1 | 1887.6 | 1885.4 | 1885.4 |
| 42.5° | 1816.4 | 1820.8 | 1814.2 | 1811.9 | 1809.7 |
| 45° | 1734.0 | 1740.7 | 1736.2 | 1734.0 | 1734.0 |
| 47.5° | 1658.3 | 1660.6 | 1653.9 | 1651.7 | 1645.0 |
| 50° | 1564.8 | 1573.7 | 1569.3 | 1564.8 | 1558.2 |
| 52.5° | 1471.4 | 1484.7 | 1475.8 | 1471.4 | 1471.4 |
| 55° | 1377.9 | 1389.0 | 1382.3 | 1382.3 | 1375.6 |
| 57.5° | 1279.9 | 1291.1 | 1282.1 | 1282.1 | 1273.2 |
| 60° | 1177.5 | 1188.7 | 1182.0 | 1175.3 | 1175.3 |
| 62.5° | 1075.1 | 1084.0 | 1081.8 | 1070.7 | 1064.0 |
| 65° | 975.0 | 975.0 | 968.3 | 943.8 | 954.9 |
| 67.5° | 861.4 | 859.2 | 850.3 | 825.8 | 841.4 |
| 70° | 750.1 | 750.1 | 734.6 | 705.6 | 725.7 |
| 72.5° | 629.9 | 636.6 | 616.6 | 596.6 | 616.6 |
| 75° | 518.6 | 512.0 | 500.8 | 483.0 | 503.1 |
| 77.5° | 411.8 | 400.7 | 387.3 | 378.4 | 389.5 |
| 80° | 300.5 | 293.8 | 278.2 | 278.2 | 284.9 |
| 82.5° | 204.8 | 198.1 | 187.0 | 189.2 | 180.3 |
| 85° | 113.5 | 106.8 | 109.1 | 109.1 | 97.9 |
| 87.5° | 46.7 | 46.7 | 46.7 | 42.3 | 37.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)