

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: P#

Luminaire Tested: **8SNLED-LD5-96SL-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-96SL-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

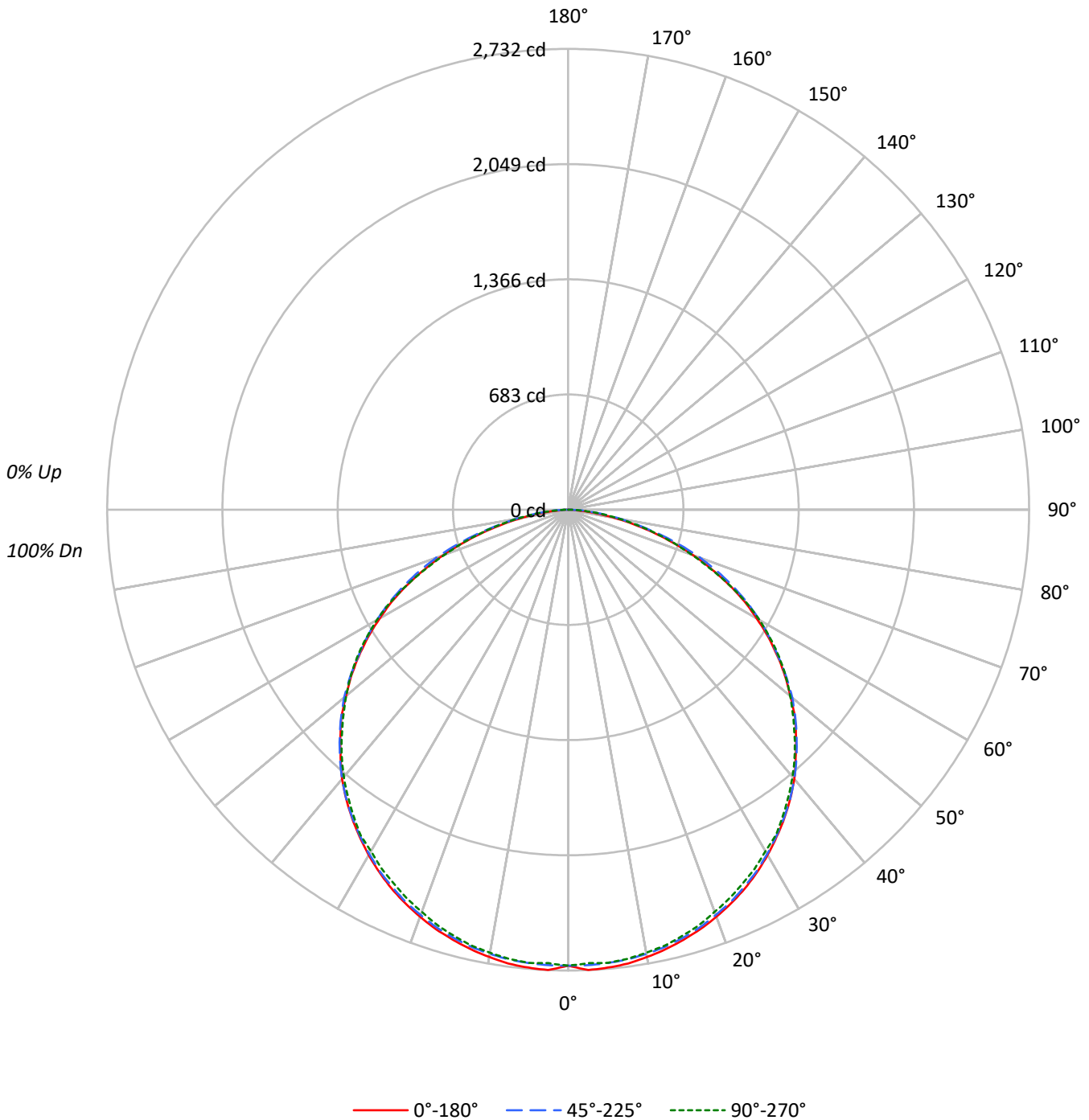
Lumens per Lamp: N/A
Luminaire Lumens: 8109.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 69
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





TEST NUMBER: P#

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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 | 96 | 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 | 40 | 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° | 10922 | 10922 | 10922 |
| 5° | 11036 | 10684 | 10589 |
| 10° | 11016 | 10459 | 10262 |
| 15° | 10996 | 10233 | 9940 |
| 20° | 10980 | 9991 | 9598 |
| 25° | 10967 | 9748 | 9278 |
| 30° | 10933 | 9486 | 8963 |
| 35° | 10898 | 9213 | 8661 |
| 40° | 10856 | 8921 | 8299 |
| 45° | 10744 | 8572 | 7883 |
| 50° | 10610 | 8193 | 7461 |
| 55° | 10443 | 7681 | 7006 |
| 60° | 10151 | 7160 | 6411 |
| 65° | 9713 | 6480 | 5576 |
| 70° | 8927 | 5581 | 4521 |
| 75° | 7684 | 4272 | 3475 |
| 80° | 5884 | 2824 | 2278 |
| 85° | 3237 | 1384 | 1017 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 256.6 | 3.2 |
| 10°-20° | 739.9 | 9.1 |
| 20°-30° | 1132.6 | 14.0 |
| 30°-40° | 1387.6 | 17.1 |
| 40°-50° | 1467.7 | 18.1 |
| 50°-60° | 1354.8 | 16.7 |
| 60°-70° | 1045.7 | 12.9 |
| 70°-80° | 580.4 | 7.2 |
| 80°-90° | 143.8 | 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° | 2129.0 | 26.3 |
| 0°-40° | 3516.7 | 43.4 |
| 0°-60° | 6339.2 | 78.2 |
| 0°-90° | 8109.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8109.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2703 | 2703 | 2703 | 2703 | 2703 | |
| 5° | 2725 | 2690 | 2698 | 2691 | 2696 | 259 |
| 15° | 2640 | 2609 | 2628 | 2618 | 2615 | 746 |
| 25° | 2478 | 2448 | 2468 | 2447 | 2445 | 1142 |
| 35° | 2234 | 2209 | 2230 | 2205 | 2217 | 1397 |
| 45° | 1910 | 1892 | 1915 | 1895 | 1898 | 1474 |
| 55° | 1516 | 1503 | 1521 | 1520 | 1528 | 1353 |
| 65° | 1050 | 1039 | 1080 | 1073 | 1053 | 1035 |
| 75° | 521 | 552 | 556 | 555 | 534 | 553 |
| 85° | 82 | 122 | 124 | 126 | 116 | 111 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-96SL-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2703.2 | 2703.2 | 2703.2 | 2703.2 | 2703.2 |
| 2.5° | 2731.5 | 2696.4 | 2703.2 | 2699.1 | 2691.0 |
| 5° | 2724.7 | 2689.7 | 2697.8 | 2691.0 | 2696.4 |
| 7.5° | 2714.0 | 2676.2 | 2689.7 | 2680.2 | 2685.6 |
| 10° | 2692.4 | 2660.0 | 2673.5 | 2662.7 | 2666.7 |
| 12.5° | 2669.4 | 2635.7 | 2654.6 | 2641.1 | 2646.5 |
| 15° | 2639.7 | 2608.7 | 2627.6 | 2618.1 | 2615.4 |
| 17.5° | 2607.3 | 2577.6 | 2596.5 | 2585.7 | 2581.7 |
| 20° | 2568.2 | 2539.9 | 2557.4 | 2541.2 | 2537.2 |
| 22.5° | 2525.0 | 2496.7 | 2516.9 | 2494.0 | 2495.3 |
| 25° | 2477.8 | 2448.1 | 2468.3 | 2446.7 | 2445.4 |
| 27.5° | 2423.8 | 2395.5 | 2417.1 | 2394.1 | 2396.8 |
| 30° | 2364.4 | 2336.1 | 2357.7 | 2334.7 | 2337.4 |
| 32.5° | 2299.6 | 2276.7 | 2295.6 | 2274.0 | 2288.8 |
| 35° | 2233.5 | 2209.2 | 2229.5 | 2205.2 | 2217.3 |
| 37.5° | 2162.0 | 2139.0 | 2160.6 | 2133.6 | 2144.4 |
| 40° | 2085.1 | 2064.8 | 2083.7 | 2059.4 | 2068.9 |
| 42.5° | 1996.0 | 1983.8 | 2002.7 | 1978.4 | 1986.5 |
| 45° | 1909.6 | 1892.1 | 1915.0 | 1894.8 | 1897.5 |
| 47.5° | 1823.2 | 1804.4 | 1825.9 | 1808.4 | 1807.1 |
| 50° | 1719.3 | 1712.6 | 1732.8 | 1719.3 | 1718.0 |
| 52.5° | 1620.8 | 1607.3 | 1628.9 | 1622.2 | 1626.2 |
| 55° | 1515.5 | 1503.4 | 1520.9 | 1519.6 | 1527.7 |
| 57.5° | 1406.2 | 1394.1 | 1417.0 | 1414.3 | 1421.1 |
| 60° | 1290.2 | 1280.7 | 1310.4 | 1303.7 | 1309.1 |
| 62.5° | 1176.8 | 1159.3 | 1197.1 | 1191.7 | 1189.0 |
| 65° | 1050.0 | 1039.2 | 1079.6 | 1072.9 | 1052.7 |
| 67.5° | 919.0 | 915.0 | 956.8 | 943.3 | 909.6 |
| 70° | 788.1 | 790.8 | 831.3 | 805.7 | 777.3 |
| 72.5° | 650.5 | 670.7 | 695.0 | 676.1 | 655.9 |
| 75° | 520.9 | 552.0 | 556.0 | 554.7 | 534.4 |
| 77.5° | 394.1 | 433.2 | 423.8 | 433.2 | 417.0 |
| 80° | 275.3 | 318.5 | 311.7 | 319.8 | 306.3 |
| 82.5° | 170.0 | 209.2 | 210.5 | 215.9 | 203.8 |
| 85° | 82.3 | 121.5 | 124.2 | 125.5 | 116.1 |
| 87.5° | 17.5 | 56.7 | 58.0 | 54.0 | 47.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)