

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-LD5-72SL-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-LD5-72SL-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

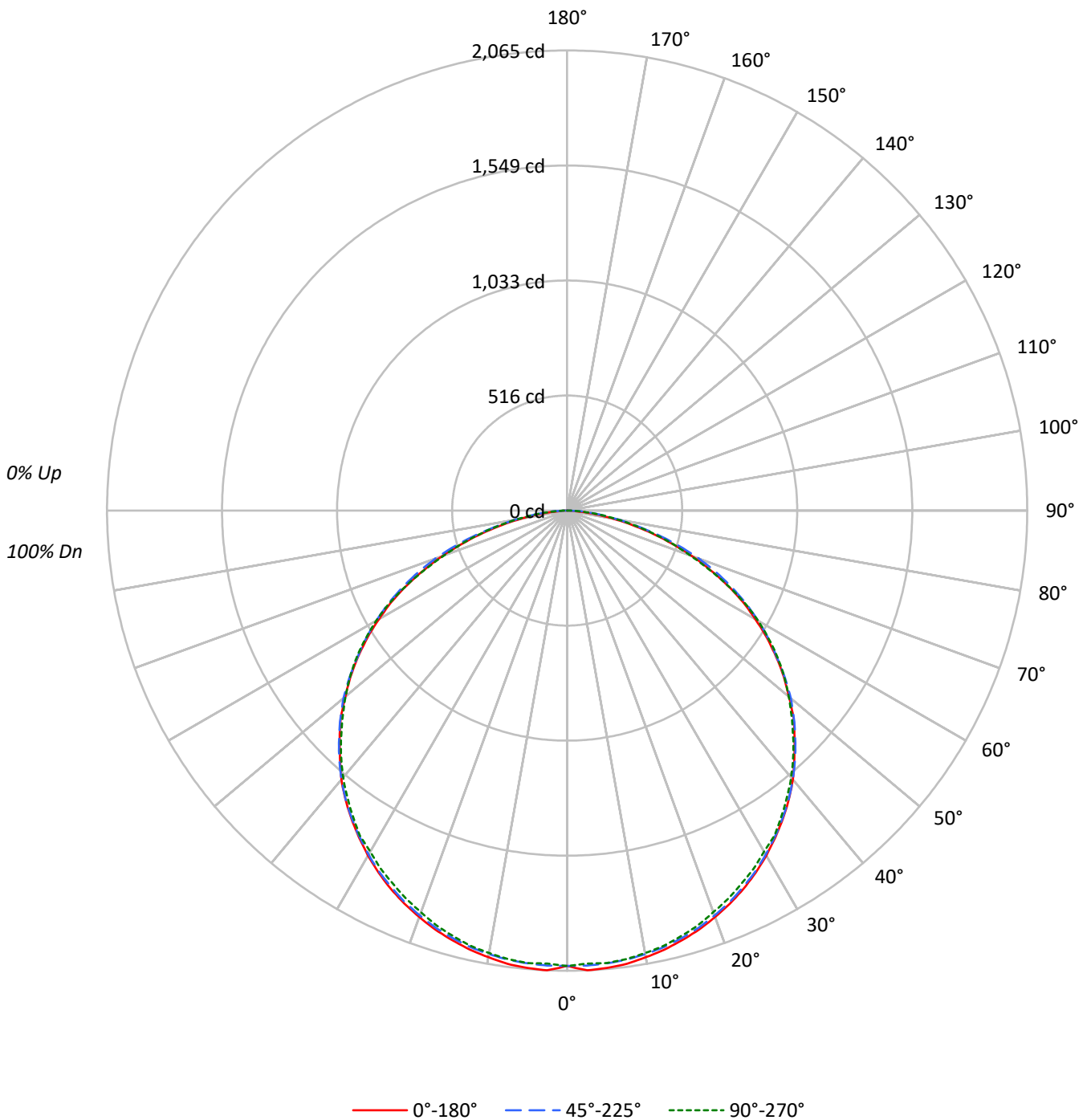
Lumens per Lamp: N/A
Luminaire Lumens: 6130.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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



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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8257 | 8257 | 8257 |
| 5° | 8343 | 8076 | 8004 |
| 10° | 8328 | 7906 | 7757 |
| 15° | 8312 | 7736 | 7514 |
| 20° | 8300 | 7553 | 7256 |
| 25° | 8290 | 7369 | 7014 |
| 30° | 8265 | 7171 | 6776 |
| 35° | 8238 | 6965 | 6547 |
| 40° | 8206 | 6744 | 6273 |
| 45° | 8122 | 6481 | 5959 |
| 50° | 8020 | 6193 | 5640 |
| 55° | 7895 | 5807 | 5296 |
| 60° | 7674 | 5413 | 4846 |
| 65° | 7342 | 4899 | 4215 |
| 70° | 6749 | 4219 | 3417 |
| 75° | 5809 | 3229 | 2627 |
| 80° | 4448 | 2136 | 1722 |
| 85° | 2447 | 1046 | 768 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 194.0 | 3.2 |
| 10°-20° | 559.3 | 9.1 |
| 20°-30° | 856.2 | 14.0 |
| 30°-40° | 1049.0 | 17.1 |
| 40°-50° | 1109.5 | 18.1 |
| 50°-60° | 1024.1 | 16.7 |
| 60°-70° | 790.5 | 12.9 |
| 70°-80° | 438.7 | 7.2 |
| 80°-90° | 108.7 | 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° | 1609.4 | 26.3 |
| 0°-40° | 2658.4 | 43.4 |
| 0°-60° | 4792.1 | 78.2 |
| 0°-90° | 6130.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6130.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2044 | 2044 | 2044 | 2044 | 2044 | |
| 5° | 2060 | 2033 | 2039 | 2034 | 2038 | 196 |
| 15° | 1996 | 1972 | 1986 | 1979 | 1977 | 564 |
| 25° | 1873 | 1851 | 1866 | 1850 | 1849 | 863 |
| 35° | 1688 | 1670 | 1685 | 1667 | 1676 | 1056 |
| 45° | 1444 | 1430 | 1448 | 1432 | 1434 | 1114 |
| 55° | 1146 | 1136 | 1150 | 1149 | 1155 | 1023 |
| 65° | 794 | 786 | 816 | 811 | 796 | 783 |
| 75° | 394 | 417 | 420 | 419 | 404 | 418 |
| 85° | 62 | 92 | 94 | 95 | 88 | 84 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2043.5 | 2043.5 | 2043.5 | 2043.5 | 2043.5 |
| 2.5° | 2064.9 | 2038.3 | 2043.5 | 2040.4 | 2034.3 |
| 5° | 2059.8 | 2033.2 | 2039.4 | 2034.3 | 2038.3 |
| 7.5° | 2051.6 | 2023.0 | 2033.2 | 2026.1 | 2030.2 |
| 10° | 2035.3 | 2010.8 | 2021.0 | 2012.8 | 2015.9 |
| 12.5° | 2017.9 | 1992.4 | 2006.7 | 1996.5 | 2000.6 |
| 15° | 1995.5 | 1972.0 | 1986.3 | 1979.2 | 1977.1 |
| 17.5° | 1971.0 | 1948.6 | 1962.9 | 1954.7 | 1951.6 |
| 20° | 1941.4 | 1920.0 | 1933.3 | 1921.0 | 1918.0 |
| 22.5° | 1908.8 | 1887.4 | 1902.7 | 1885.3 | 1886.3 |
| 25° | 1873.1 | 1850.6 | 1865.9 | 1849.6 | 1848.6 |
| 27.5° | 1832.3 | 1810.8 | 1827.2 | 1809.8 | 1811.9 |
| 30° | 1787.4 | 1766.0 | 1782.3 | 1764.9 | 1767.0 |
| 32.5° | 1738.4 | 1721.1 | 1735.4 | 1719.0 | 1730.3 |
| 35° | 1688.4 | 1670.1 | 1685.4 | 1667.0 | 1676.2 |
| 37.5° | 1634.4 | 1617.0 | 1633.3 | 1612.9 | 1621.1 |
| 40° | 1576.2 | 1560.9 | 1575.2 | 1556.8 | 1564.0 |
| 42.5° | 1508.9 | 1499.7 | 1514.0 | 1495.6 | 1501.7 |
| 45° | 1443.6 | 1430.3 | 1447.7 | 1432.4 | 1434.4 |
| 47.5° | 1378.3 | 1364.0 | 1380.3 | 1367.1 | 1366.0 |
| 50° | 1299.7 | 1294.6 | 1309.9 | 1299.7 | 1298.7 |
| 52.5° | 1225.3 | 1215.1 | 1231.4 | 1226.3 | 1229.3 |
| 55° | 1145.7 | 1136.5 | 1149.8 | 1148.7 | 1154.9 |
| 57.5° | 1063.0 | 1053.9 | 1071.2 | 1069.2 | 1074.3 |
| 60° | 975.3 | 968.2 | 990.6 | 985.5 | 989.6 |
| 62.5° | 889.6 | 876.3 | 904.9 | 900.8 | 898.8 |
| 65° | 793.7 | 785.6 | 816.2 | 811.1 | 795.8 |
| 67.5° | 694.8 | 691.7 | 723.3 | 713.1 | 687.6 |
| 70° | 595.8 | 597.8 | 628.4 | 609.1 | 587.6 |
| 72.5° | 491.7 | 507.0 | 525.4 | 511.1 | 495.8 |
| 75° | 393.8 | 417.3 | 420.3 | 419.3 | 404.0 |
| 77.5° | 297.9 | 327.5 | 320.3 | 327.5 | 315.2 |
| 80° | 208.1 | 240.8 | 235.7 | 241.8 | 231.6 |
| 82.5° | 128.5 | 158.1 | 159.2 | 163.2 | 154.0 |
| 85° | 62.2 | 91.8 | 93.9 | 94.9 | 87.7 |
| 87.5° | 13.3 | 42.8 | 43.9 | 40.8 | 35.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)