

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: P217959

Luminaire Tested: **4SNLED-LD5-44SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-44SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4103.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

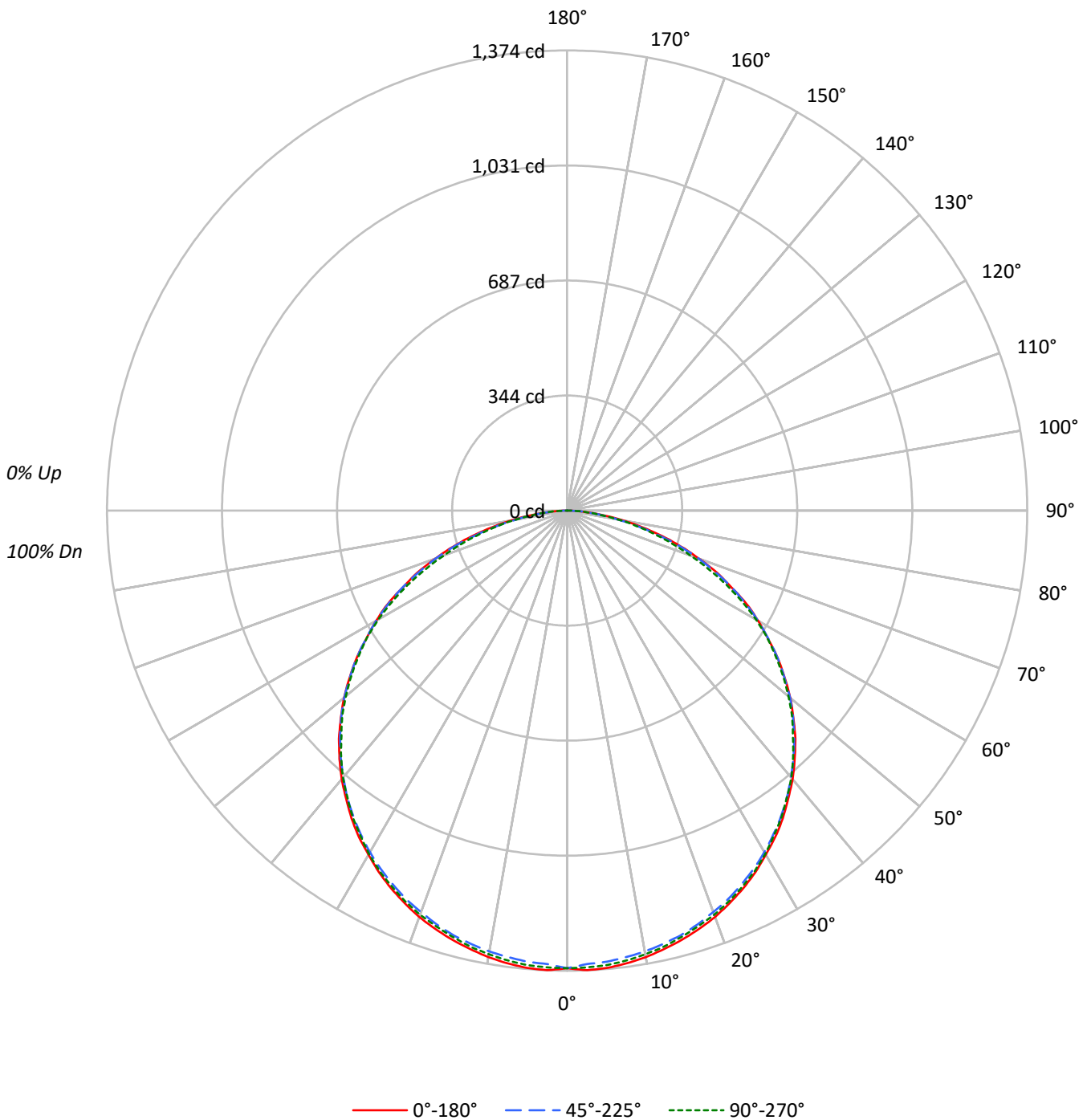
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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 | 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 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 87 | 85 | 83 | | | | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 71 | 69 | | | | 69 |
| 3 | 90 | 79 | 70 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 58 | | | | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 53 | 66 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 51 | 49 | | | | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 59 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 44 | 42 | | | | 42 |
| 6 | 69 | 56 | 47 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 40 | 51 | 44 | 39 | 50 | 44 | 39 | 37 | | | | 37 |
| 7 | 64 | 50 | 42 | 35 | 62 | 50 | 41 | 35 | 48 | 40 | 35 | 47 | 40 | 35 | 45 | 39 | 34 | 32 | | | | 32 |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 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 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 36 | 29 | 25 | 23 | | | | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 22019 | 22019 | 22019 |
| 5° | 22091 | 20549 | 20261 |
| 10° | 21988 | 19357 | 18711 |
| 15° | 21887 | 18286 | 17343 |
| 20° | 21811 | 17250 | 16145 |
| 25° | 21702 | 16300 | 15021 |
| 30° | 21553 | 15374 | 13959 |
| 35° | 21452 | 14456 | 12920 |
| 40° | 21282 | 13521 | 11912 |
| 45° | 21076 | 12587 | 10864 |
| 50° | 20771 | 11593 | 9867 |
| 55° | 20354 | 10510 | 8800 |
| 60° | 19788 | 9323 | 7683 |
| 65° | 18918 | 8011 | 6366 |
| 70° | 17692 | 6478 | 4923 |
| 75° | 15820 | 4666 | 3529 |
| 80° | 12672 | 2773 | 2191 |
| 85° | 7810 | 1197 | 886 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 129.5 | 3.2 |
| 10°-20° | 372.8 | 9.1 |
| 20°-30° | 571.2 | 13.9 |
| 30°-40° | 699.1 | 17.0 |
| 40°-50° | 739.8 | 18.0 |
| 50°-60° | 684.3 | 16.7 |
| 60°-70° | 531.3 | 12.9 |
| 70°-80° | 299.3 | 7.3 |
| 80°-90° | 75.7 | 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° | 1073.5 | 26.2 |
| 0°-40° | 1772.6 | 43.2 |
| 0°-60° | 3196.7 | 77.9 |
| 0°-90° | 4103.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4103.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1366 | 1366 | 1366 | 1366 | 1366 | |
| 5° | 1371 | 1365 | 1352 | 1365 | 1362 | 130 |
| 15° | 1327 | 1322 | 1312 | 1324 | 1318 | 375 |
| 25° | 1244 | 1240 | 1232 | 1242 | 1239 | 574 |
| 35° | 1122 | 1118 | 1114 | 1117 | 1117 | 702 |
| 45° | 964 | 962 | 959 | 958 | 954 | 743 |
| 55° | 768 | 770 | 768 | 765 | 761 | 685 |
| 65° | 541 | 545 | 542 | 535 | 525 | 536 |
| 75° | 294 | 294 | 281 | 274 | 268 | 309 |
| 85° | 62 | 62 | 61 | 61 | 60 | 78 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P217959

CATALOG NUMBER: 4SNLED-LD5-44SL-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1366.5 | 1366.5 | 1366.5 | 1366.5 | 1366.5 |
| 2.5° | 1373.6 | 1367.9 | 1355.1 | 1367.9 | 1365.1 |
| 5° | 1370.7 | 1365.1 | 1352.3 | 1365.1 | 1362.2 |
| 7.5° | 1363.6 | 1359.4 | 1345.2 | 1358.0 | 1355.1 |
| 10° | 1353.7 | 1349.4 | 1336.7 | 1349.4 | 1345.2 |
| 12.5° | 1340.9 | 1336.7 | 1325.3 | 1336.7 | 1333.8 |
| 15° | 1326.7 | 1322.5 | 1312.5 | 1323.9 | 1318.2 |
| 17.5° | 1309.7 | 1306.9 | 1295.5 | 1306.9 | 1301.2 |
| 20° | 1291.3 | 1285.6 | 1275.7 | 1287.0 | 1284.2 |
| 22.5° | 1268.6 | 1265.7 | 1255.8 | 1265.7 | 1262.9 |
| 25° | 1244.4 | 1240.2 | 1231.7 | 1241.6 | 1238.8 |
| 27.5° | 1217.5 | 1214.6 | 1206.1 | 1213.2 | 1213.2 |
| 30° | 1186.3 | 1184.8 | 1177.7 | 1184.8 | 1183.4 |
| 32.5° | 1156.5 | 1153.6 | 1146.5 | 1152.2 | 1149.4 |
| 35° | 1122.4 | 1118.2 | 1113.9 | 1116.7 | 1116.7 |
| 37.5° | 1084.1 | 1082.7 | 1078.4 | 1082.7 | 1078.4 |
| 40° | 1047.2 | 1044.4 | 1040.1 | 1041.5 | 1041.5 |
| 42.5° | 1006.1 | 1004.6 | 1000.4 | 1000.4 | 999.0 |
| 45° | 963.5 | 962.1 | 959.2 | 957.8 | 953.5 |
| 47.5° | 916.7 | 915.2 | 915.2 | 913.8 | 911.0 |
| 50° | 869.8 | 869.8 | 868.4 | 864.2 | 862.7 |
| 52.5° | 818.7 | 821.6 | 817.3 | 814.5 | 813.1 |
| 55° | 767.7 | 770.5 | 767.7 | 764.8 | 760.6 |
| 57.5° | 710.9 | 716.6 | 712.3 | 710.9 | 709.5 |
| 60° | 658.4 | 661.2 | 658.4 | 654.1 | 651.3 |
| 62.5° | 604.5 | 604.5 | 600.2 | 597.4 | 588.9 |
| 65° | 540.6 | 544.9 | 542.0 | 535.0 | 525.0 |
| 67.5° | 483.9 | 481.0 | 478.2 | 469.7 | 458.3 |
| 70° | 418.6 | 420.0 | 415.8 | 403.0 | 391.6 |
| 72.5° | 356.2 | 359.0 | 350.5 | 333.5 | 330.6 |
| 75° | 293.7 | 293.7 | 281.0 | 273.9 | 268.2 |
| 77.5° | 229.9 | 231.3 | 214.3 | 212.8 | 211.4 |
| 80° | 168.9 | 171.7 | 154.7 | 158.9 | 157.5 |
| 82.5° | 114.9 | 112.1 | 105.0 | 105.0 | 103.6 |
| 85° | 62.4 | 62.4 | 61.0 | 61.0 | 59.6 |
| 87.5° | 24.1 | 25.5 | 28.4 | 31.2 | 29.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)