

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: P218050

Luminaire Tested: **2SNLED-LD5-26SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-26SL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2978.0 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

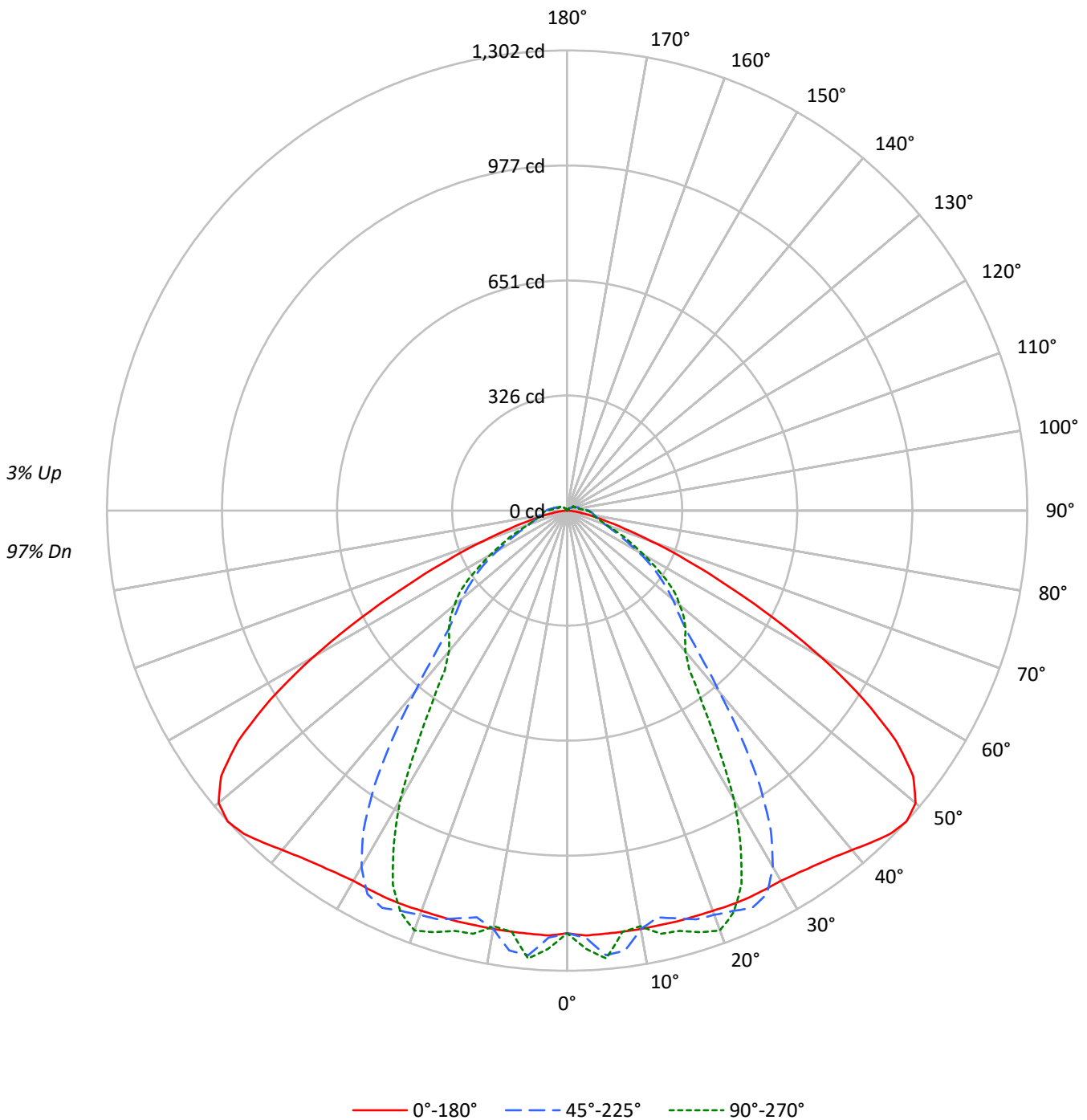
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218050

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Luminous Intensity Polar Plot





TEST NUMBER: P218050

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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 | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |
| 1 | 109 | 105 | 101 | 98 | 106 | 102 | 99 | 96 | 97 | 95 | 92 | 93 | 91 | 89 | 89 | 87 | 85 | 83 |
| 2 | 100 | 93 | 87 | 82 | 98 | 91 | 85 | 81 | 87 | 82 | 78 | 83 | 79 | 76 | 80 | 77 | 74 | 72 |
| 3 | 93 | 83 | 76 | 70 | 90 | 81 | 75 | 69 | 78 | 72 | 67 | 75 | 70 | 66 | 72 | 68 | 64 | 62 |
| 4 | 85 | 75 | 67 | 60 | 83 | 73 | 66 | 60 | 70 | 64 | 59 | 68 | 62 | 58 | 65 | 60 | 56 | 54 |
| 5 | 79 | 67 | 59 | 53 | 77 | 66 | 58 | 53 | 64 | 57 | 52 | 61 | 55 | 51 | 59 | 54 | 50 | 48 |
| 6 | 73 | 61 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 51 | 46 | 56 | 50 | 45 | 54 | 49 | 45 | 43 |
| 7 | 68 | 56 | 48 | 42 | 66 | 55 | 47 | 42 | 53 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 38 |
| 8 | 64 | 51 | 43 | 38 | 62 | 50 | 43 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 46 | 40 | 36 | 34 |
| 9 | 60 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 33 | 43 | 37 | 33 | 31 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 35 | 31 | 41 | 35 | 30 | 40 | 34 | 30 | 28 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 38537 | 38537 | 38537 |
| 5° | 38600 | 38289 | 37839 |
| 10° | 38761 | 34650 | 33224 |
| 15° | 39272 | 33060 | 32389 |
| 20° | 40107 | 32642 | 31792 |
| 25° | 41397 | 32487 | 28298 |
| 30° | 42939 | 30027 | 22283 |
| 35° | 45525 | 24341 | 15439 |
| 40° | 49289 | 17165 | 11884 |
| 45° | 54401 | 12185 | 10797 |
| 50° | 58695 | 10221 | 9514 |
| 55° | 57047 | 8379 | 7932 |
| 60° | 46839 | 6329 | 5931 |
| 65° | 31924 | 4570 | 4360 |
| 70° | 19498 | 3469 | 2987 |
| 75° | 10699 | 2949 | 2366 |
| 80° | 5756 | 2750 | 2034 |
| 85° | 2308 | 2657 | 2041 |



TEST NUMBER: P218050

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L850-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 117.5 | 3.9 |
| 10°-20° | 346.2 | 11.6 |
| 20°-30° | 550.1 | 18.5 |
| 30°-40° | 593.1 | 19.9 |
| 40°-50° | 511.2 | 17.2 |
| 50°-60° | 387.0 | 13.0 |
| 60°-70° | 209.1 | 7.0 |
| 70°-80° | 99.3 | 3.3 |
| 80°-90° | 62.4 | 2.1 |
| 90°-100° | 39.7 | 1.3 |
| 100°-110° | 25.4 | 0.9 |
| 110°-120° | 17.0 | 0.6 |
| 120°-130° | 11.2 | 0.4 |
| 130°-140° | 5.5 | 0.2 |
| 140°-150° | 2.3 | 0.1 |
| 150°-160° | 0.8 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1013.8 | 34.0 |
| 0°-40° | 1607.0 | 54.0 |
| 0°-60° | 2505.3 | 84.1 |
| 0°-90° | 2876.0 | 96.6 |
| 90°-120° | 82.1 | 2.8 |
| 90°-150° | 101.1 | 3.4 |
| 90°-180° | 102.0 | 3.4 |
| 0°-180° | 2978.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1196 | 1196 | 1196 | 1196 | 1196 | |
| 5° | 1202 | 1228 | 1263 | 1280 | 1272 | 115 |
| 15° | 1203 | 1235 | 1194 | 1235 | 1231 | 341 |
| 25° | 1210 | 1187 | 1240 | 1206 | 1167 | 559 |
| 35° | 1225 | 1179 | 951 | 727 | 667 | 771 |
| 45° | 1293 | 810 | 472 | 468 | 474 | 996 |
| 55° | 1136 | 350 | 312 | 341 | 343 | 988 |
| 65° | 494 | 149 | 158 | 178 | 180 | 507 |
| 75° | 113 | 78 | 91 | 91 | 90 | 133 |
| 85° | 12 | 47 | 70 | 70 | 69 | 18 |
| 90° | 0 | 37 | 61 | 59 | 55 | 1 |
| 95° | 0 | 29 | 49 | 44 | 41 | 0 |
| 105° | 0 | 18 | 34 | 30 | 27 | 0 |
| 115° | 0 | 11 | 23 | 23 | 23 | 0 |
| 125° | 0 | 6 | 15 | 20 | 18 | 0 |
| 135° | 0 | 3 | 9 | 11 | 11 | 0 |
| 145° | 0 | 2 | 5 | 6 | 5 | 0 |
| 155° | 0 | 2 | 2 | 3 | 2 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P218050

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1195.8 | 1195.8 | 1195.8 | 1195.8 | 1195.8 |
| 2.5° | 1203.4 | 1205.0 | 1209.5 | 1232.4 | 1241.5 |
| 5° | 1201.9 | 1227.8 | 1262.9 | 1279.6 | 1272.0 |
| 7.5° | 1201.9 | 1255.2 | 1255.2 | 1223.3 | 1201.9 |
| 10° | 1201.9 | 1270.5 | 1201.9 | 1195.8 | 1194.3 |
| 12.5° | 1201.9 | 1261.3 | 1179.1 | 1221.7 | 1226.3 |
| 15° | 1203.4 | 1235.4 | 1194.3 | 1235.4 | 1230.9 |
| 17.5° | 1203.4 | 1205.0 | 1212.6 | 1244.6 | 1250.7 |
| 20° | 1205.0 | 1185.2 | 1217.2 | 1269.0 | 1264.4 |
| 22.5° | 1208.0 | 1182.1 | 1226.3 | 1258.3 | 1230.9 |
| 25° | 1209.5 | 1186.7 | 1240.0 | 1206.5 | 1166.9 |
| 27.5° | 1209.5 | 1192.8 | 1223.3 | 1127.3 | 1061.8 |
| 30° | 1209.5 | 1195.8 | 1163.8 | 1017.6 | 944.5 |
| 32.5° | 1215.6 | 1192.8 | 1072.4 | 874.4 | 795.2 |
| 35° | 1224.8 | 1179.1 | 950.6 | 726.6 | 667.2 |
| 37.5° | 1237.0 | 1142.5 | 807.4 | 607.8 | 568.2 |
| 40° | 1253.7 | 1063.3 | 670.3 | 531.7 | 519.5 |
| 42.5° | 1273.5 | 947.5 | 557.5 | 493.6 | 493.6 |
| 45° | 1293.3 | 810.4 | 472.2 | 467.7 | 473.8 |
| 47.5° | 1302.5 | 676.4 | 425.0 | 441.8 | 447.9 |
| 50° | 1287.2 | 551.5 | 390.0 | 412.8 | 415.9 |
| 52.5° | 1233.9 | 440.2 | 350.4 | 377.8 | 385.4 |
| 55° | 1136.4 | 350.4 | 312.3 | 341.2 | 342.8 |
| 57.5° | 994.7 | 278.8 | 272.7 | 295.5 | 294.0 |
| 60° | 831.8 | 225.5 | 228.5 | 251.4 | 251.4 |
| 62.5° | 656.6 | 182.8 | 191.9 | 211.7 | 210.2 |
| 65° | 493.6 | 149.3 | 158.4 | 178.2 | 179.8 |
| 67.5° | 364.1 | 123.4 | 134.1 | 147.8 | 144.7 |
| 70° | 254.4 | 103.6 | 114.3 | 121.9 | 118.8 |
| 72.5° | 169.1 | 88.4 | 100.5 | 103.6 | 102.1 |
| 75° | 112.7 | 77.7 | 91.4 | 91.4 | 89.9 |
| 77.5° | 73.1 | 68.6 | 85.3 | 83.8 | 80.7 |
| 80° | 45.7 | 60.9 | 79.2 | 76.2 | 73.1 |
| 82.5° | 27.4 | 53.3 | 74.6 | 71.6 | 68.6 |
| 85° | 12.2 | 47.2 | 70.1 | 70.1 | 68.6 |
| 87.5° | 4.6 | 42.7 | 65.5 | 67.0 | 64.0 |
| 90° | 0.0 | 36.6 | 60.9 | 59.4 | 54.8 |
| 92.5° | 0.0 | 33.5 | 54.8 | 50.3 | 47.2 |
| 95° | 0.0 | 28.9 | 48.7 | 44.2 | 41.1 |
| 97.5° | 0.0 | 25.9 | 44.2 | 39.6 | 36.6 |
| 100° | 0.0 | 22.9 | 39.6 | 35.0 | 32.0 |
| 102.5° | 0.0 | 19.8 | 36.6 | 32.0 | 30.5 |
| 105° | 0.0 | 18.3 | 33.5 | 30.5 | 27.4 |
| 107.5° | 0.0 | 16.8 | 30.5 | 27.4 | 25.9 |
| 110° | 0.0 | 13.7 | 27.4 | 25.9 | 24.4 |



TEST NUMBER: P218050

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|------|
| 112.5° | 0.0 | 12.2 | 24.4 | 24.4 | 24.4 |
| 115° | 0.0 | 10.7 | 22.9 | 22.9 | 22.9 |
| 117.5° | 0.0 | 9.1 | 19.8 | 22.9 | 22.9 |
| 120° | 0.0 | 9.1 | 18.3 | 21.3 | 21.3 |
| 122.5° | 0.0 | 7.6 | 16.8 | 21.3 | 21.3 |
| 125° | 0.0 | 6.1 | 15.2 | 19.8 | 18.3 |
| 127.5° | 0.0 | 4.6 | 13.7 | 16.8 | 16.8 |
| 130° | 0.0 | 4.6 | 12.2 | 15.2 | 13.7 |
| 132.5° | 0.0 | 3.0 | 10.7 | 12.2 | 12.2 |
| 135° | 0.0 | 3.0 | 9.1 | 10.7 | 10.7 |
| 137.5° | 0.0 | 3.0 | 7.6 | 9.1 | 7.6 |
| 140° | 0.0 | 1.5 | 6.1 | 7.6 | 6.1 |
| 142.5° | 0.0 | 1.5 | 6.1 | 7.6 | 6.1 |
| 145° | 0.0 | 1.5 | 4.6 | 6.1 | 4.6 |
| 147.5° | 0.0 | 1.5 | 3.0 | 4.6 | 4.6 |
| 150° | 0.0 | 1.5 | 3.0 | 4.6 | 3.0 |
| 152.5° | 0.0 | 1.5 | 3.0 | 3.0 | 1.5 |
| 155° | 0.0 | 1.5 | 1.5 | 3.0 | 1.5 |
| 157.5° | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 160° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)