

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: P567959

Luminaire Tested: **8SNX-66SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-SLW-UNV-L935-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

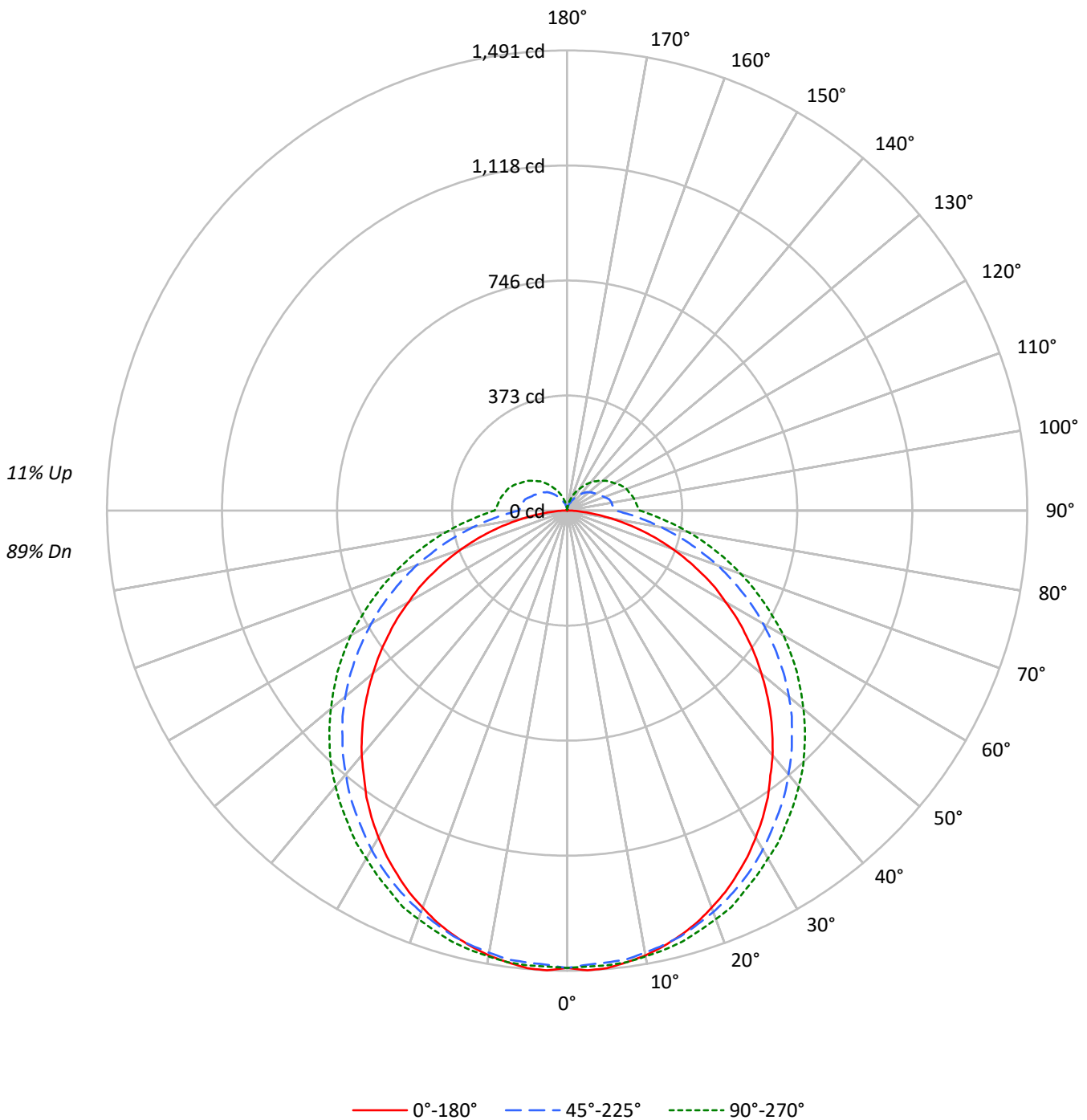
Lumens per Lamp: N/A
Luminaire Lumens: 5276.0 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 42.2
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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 |
| 1 | 105 | 100 | 95 | 90 | 101 | 96 | 92 | 88 | 90 | 86 | 83 | 84 | 81 | 79 | 79 | 76 | 74 | 71 |
| 2 | 95 | 86 | 79 | 73 | 91 | 83 | 76 | 71 | 78 | 72 | 68 | 73 | 68 | 64 | 68 | 65 | 61 | 58 |
| 3 | 86 | 75 | 67 | 60 | 83 | 73 | 65 | 59 | 68 | 61 | 56 | 64 | 58 | 54 | 60 | 55 | 51 | 49 |
| 4 | 79 | 66 | 57 | 50 | 75 | 64 | 56 | 49 | 60 | 53 | 47 | 57 | 50 | 46 | 53 | 48 | 44 | 41 |
| 5 | 72 | 59 | 50 | 43 | 69 | 57 | 49 | 42 | 54 | 46 | 41 | 51 | 44 | 39 | 48 | 42 | 38 | 35 |
| 6 | 67 | 53 | 44 | 37 | 64 | 51 | 43 | 37 | 48 | 41 | 35 | 46 | 39 | 34 | 43 | 38 | 33 | 31 |
| 7 | 62 | 48 | 39 | 33 | 59 | 47 | 38 | 32 | 44 | 37 | 31 | 42 | 35 | 30 | 39 | 34 | 29 | 27 |
| 8 | 57 | 44 | 35 | 29 | 55 | 42 | 34 | 29 | 40 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 24 |
| 9 | 53 | 40 | 32 | 26 | 51 | 39 | 31 | 26 | 37 | 30 | 25 | 35 | 29 | 24 | 33 | 28 | 24 | 22 |
| 10 | 50 | 37 | 29 | 24 | 48 | 36 | 28 | 23 | 34 | 27 | 23 | 32 | 26 | 22 | 31 | 25 | 21 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7976 | 7976 | 7976 |
| 5° | 8033 | 7776 | 7765 |
| 10° | 7984 | 7623 | 7573 |
| 15° | 7912 | 7467 | 7396 |
| 20° | 7811 | 7286 | 7198 |
| 25° | 7693 | 7109 | 6992 |
| 30° | 7551 | 6914 | 6789 |
| 35° | 7395 | 6712 | 6598 |
| 40° | 7215 | 6513 | 6414 |
| 45° | 7021 | 6310 | 6216 |
| 50° | 6798 | 6096 | 5994 |
| 55° | 6555 | 5838 | 5777 |
| 60° | 6268 | 5562 | 5534 |
| 65° | 5977 | 5251 | 5228 |
| 70° | 5563 | 4909 | 4929 |
| 75° | 5017 | 4473 | 4597 |
| 80° | 4116 | 4031 | 4270 |
| 85° | 3036 | 3657 | 3936 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 140.8 | 2.7 |
| 10°-20° | 404.6 | 7.7 |
| 20°-30° | 615.2 | 11.7 |
| 30°-40° | 746.8 | 14.2 |
| 40°-50° | 789.2 | 15.0 |
| 50°-60° | 738.5 | 14.0 |
| 60°-70° | 605.9 | 11.5 |
| 70°-80° | 416.8 | 7.9 |
| 80°-90° | 228.2 | 4.3 |
| 90°-100° | 147.0 | 2.8 |
| 100°-110° | 131.9 | 2.5 |
| 110°-120° | 109.2 | 2.1 |
| 120°-130° | 84.1 | 1.6 |
| 130°-140° | 59.1 | 1.1 |
| 140°-150° | 35.6 | 0.7 |
| 150°-160° | 17.0 | 0.3 |
| 160°-170° | 5.6 | 0.1 |
| 170°-180° | 0.7 | 0.0 |
| 0°-30° | 1160.6 | 22.0 |
| 0°-40° | 1907.4 | 36.2 |
| 0°-60° | 3435.1 | 65.1 |
| 0°-90° | 4686.0 | 88.8 |
| 90°-120° | 388.0 | 7.4 |
| 90°-150° | 566.7 | 10.7 |
| 90°-180° | 590.0 | 11.2 |
| 0°-180° | 5276.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1482 | 1482 | 1482 | 1482 | 1482 | |
| 5° | 1488 | 1485 | 1470 | 1482 | 1479 | 141 |
| 15° | 1424 | 1430 | 1427 | 1445 | 1445 | 402 |
| 25° | 1302 | 1317 | 1332 | 1360 | 1360 | 600 |
| 35° | 1134 | 1161 | 1195 | 1228 | 1238 | 708 |
| 45° | 932 | 975 | 1030 | 1076 | 1088 | 718 |
| 55° | 709 | 767 | 837 | 889 | 908 | 634 |
| 65° | 480 | 544 | 626 | 684 | 703 | 475 |
| 75° | 251 | 318 | 410 | 474 | 495 | 264 |
| 85° | 55 | 131 | 223 | 284 | 306 | 64 |
| 90° | 0 | 73 | 156 | 214 | 235 | 4 |
| 95° | 0 | 70 | 150 | 205 | 226 | 0 |
| 105° | 0 | 58 | 141 | 192 | 211 | 2 |
| 115° | 3 | 52 | 119 | 171 | 192 | 3 |
| 125° | 3 | 43 | 101 | 147 | 165 | 3 |
| 135° | 3 | 34 | 82 | 119 | 134 | 2 |
| 145° | 3 | 24 | 58 | 92 | 101 | 2 |
| 155° | 3 | 15 | 37 | 58 | 67 | 1 |
| 165° | 3 | 9 | 18 | 28 | 34 | 1 |
| 175° | 3 | 3 | 6 | 6 | 3 | 0 |
| 180° | 3 | 3 | 3 | 3 | 3 | |



TEST NUMBER: P567959

CATALOG NUMBER: 8SNX-66SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1482.0 | 1482.0 | 1482.0 | 1482.0 | 1482.0 |
| 2.5° | 1491.2 | 1488.2 | 1472.9 | 1485.1 | 1479.0 |
| 5° | 1488.2 | 1485.1 | 1469.8 | 1482.0 | 1479.0 |
| 7.5° | 1475.9 | 1475.9 | 1466.8 | 1479.0 | 1475.9 |
| 10° | 1463.7 | 1463.7 | 1454.5 | 1469.8 | 1466.8 |
| 12.5° | 1445.4 | 1448.4 | 1442.3 | 1460.7 | 1457.6 |
| 15° | 1424.0 | 1430.1 | 1427.0 | 1445.4 | 1445.4 |
| 17.5° | 1399.5 | 1405.6 | 1405.6 | 1427.0 | 1427.0 |
| 20° | 1369.0 | 1378.1 | 1384.3 | 1408.7 | 1408.7 |
| 22.5° | 1338.4 | 1350.6 | 1359.8 | 1381.2 | 1390.4 |
| 25° | 1301.8 | 1317.0 | 1332.3 | 1359.8 | 1359.8 |
| 27.5° | 1265.1 | 1283.4 | 1301.8 | 1329.3 | 1332.3 |
| 30° | 1222.3 | 1243.7 | 1268.1 | 1295.6 | 1301.8 |
| 32.5° | 1179.5 | 1207.0 | 1231.5 | 1265.1 | 1274.2 |
| 35° | 1133.7 | 1161.2 | 1194.8 | 1228.4 | 1237.6 |
| 37.5° | 1081.7 | 1115.4 | 1158.1 | 1194.8 | 1204.0 |
| 40° | 1035.9 | 1072.6 | 1115.4 | 1158.1 | 1167.3 |
| 42.5° | 984.0 | 1023.7 | 1075.6 | 1115.4 | 1130.6 |
| 45° | 932.0 | 974.8 | 1029.8 | 1075.6 | 1087.8 |
| 47.5° | 877.0 | 925.9 | 987.0 | 1029.8 | 1045.1 |
| 50° | 822.0 | 873.9 | 938.1 | 987.0 | 999.2 |
| 52.5° | 767.0 | 822.0 | 889.2 | 938.1 | 953.4 |
| 55° | 708.9 | 767.0 | 837.3 | 889.2 | 907.6 |
| 57.5° | 653.9 | 712.0 | 785.3 | 840.3 | 858.7 |
| 60° | 592.8 | 660.0 | 733.4 | 788.4 | 809.8 |
| 62.5° | 540.9 | 602.0 | 681.4 | 736.4 | 754.8 |
| 65° | 479.8 | 543.9 | 626.4 | 684.5 | 702.8 |
| 67.5° | 421.7 | 488.9 | 571.4 | 632.5 | 650.9 |
| 70° | 363.6 | 430.9 | 519.5 | 577.5 | 598.9 |
| 72.5° | 305.6 | 375.9 | 461.4 | 525.6 | 547.0 |
| 75° | 250.6 | 317.8 | 409.5 | 473.6 | 495.0 |
| 77.5° | 192.5 | 265.9 | 357.5 | 421.7 | 446.1 |
| 80° | 140.6 | 217.0 | 308.6 | 372.8 | 397.2 |
| 82.5° | 94.7 | 171.1 | 262.8 | 327.0 | 351.4 |
| 85° | 55.0 | 131.4 | 223.1 | 284.2 | 305.6 |
| 87.5° | 27.5 | 100.8 | 186.4 | 247.5 | 268.9 |
| 90° | 0.0 | 73.3 | 155.8 | 213.9 | 235.3 |
| 92.5° | 0.0 | 70.3 | 152.8 | 207.8 | 229.2 |
| 95° | 0.0 | 70.3 | 149.7 | 204.7 | 226.1 |
| 97.5° | 0.0 | 67.2 | 146.7 | 204.7 | 223.1 |
| 100° | 0.0 | 64.2 | 146.7 | 201.7 | 220.0 |
| 102.5° | 0.0 | 61.1 | 143.6 | 198.6 | 217.0 |
| 105° | 0.0 | 58.1 | 140.6 | 192.5 | 210.8 |
| 107.5° | 3.1 | 58.1 | 134.5 | 189.5 | 207.8 |
| 110° | 3.1 | 55.0 | 128.3 | 186.4 | 204.7 |



TEST NUMBER: P567959

CATALOG NUMBER: 8SNX-66SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 3.1 | 51.9 | 122.2 | 180.3 | 198.6 |
| 115° | 3.1 | 51.9 | 119.2 | 171.1 | 192.5 |
| 117.5° | 3.1 | 48.9 | 113.1 | 165.0 | 186.4 |
| 120° | 3.1 | 48.9 | 110.0 | 158.9 | 177.2 |
| 122.5° | 3.1 | 45.8 | 103.9 | 152.8 | 171.1 |
| 125° | 3.1 | 42.8 | 100.8 | 146.7 | 165.0 |
| 127.5° | 3.1 | 39.7 | 97.8 | 140.6 | 158.9 |
| 130° | 3.1 | 36.7 | 91.7 | 134.5 | 149.7 |
| 132.5° | 3.1 | 36.7 | 88.6 | 125.3 | 143.6 |
| 135° | 3.1 | 33.6 | 82.5 | 119.2 | 134.5 |
| 137.5° | 3.1 | 30.6 | 76.4 | 113.1 | 128.3 |
| 140° | 3.1 | 27.5 | 70.3 | 107.0 | 119.2 |
| 142.5° | 3.1 | 27.5 | 64.2 | 97.8 | 110.0 |
| 145° | 3.1 | 24.4 | 58.1 | 91.7 | 100.8 |
| 147.5° | 3.1 | 21.4 | 51.9 | 82.5 | 91.7 |
| 150° | 3.1 | 21.4 | 45.8 | 73.3 | 82.5 |
| 152.5° | 3.1 | 18.3 | 39.7 | 67.2 | 76.4 |
| 155° | 3.1 | 15.3 | 36.7 | 58.1 | 67.2 |
| 157.5° | 3.1 | 15.3 | 30.6 | 48.9 | 58.1 |
| 160° | 3.1 | 12.2 | 27.5 | 39.7 | 48.9 |
| 162.5° | 3.1 | 12.2 | 24.4 | 33.6 | 42.8 |
| 165° | 3.1 | 9.2 | 18.3 | 27.5 | 33.6 |
| 167.5° | 3.1 | 9.2 | 15.3 | 21.4 | 27.5 |
| 170° | 3.1 | 6.1 | 12.2 | 15.3 | 21.4 |
| 172.5° | 3.1 | 6.1 | 9.2 | 9.2 | 9.2 |
| 175° | 3.1 | 3.1 | 6.1 | 6.1 | 3.1 |
| 177.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 180° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |

(END OF REPORT)