

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: P567900

Luminaire Tested: **8SNX-62SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567900
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-62SL-LW-UNV-L840-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

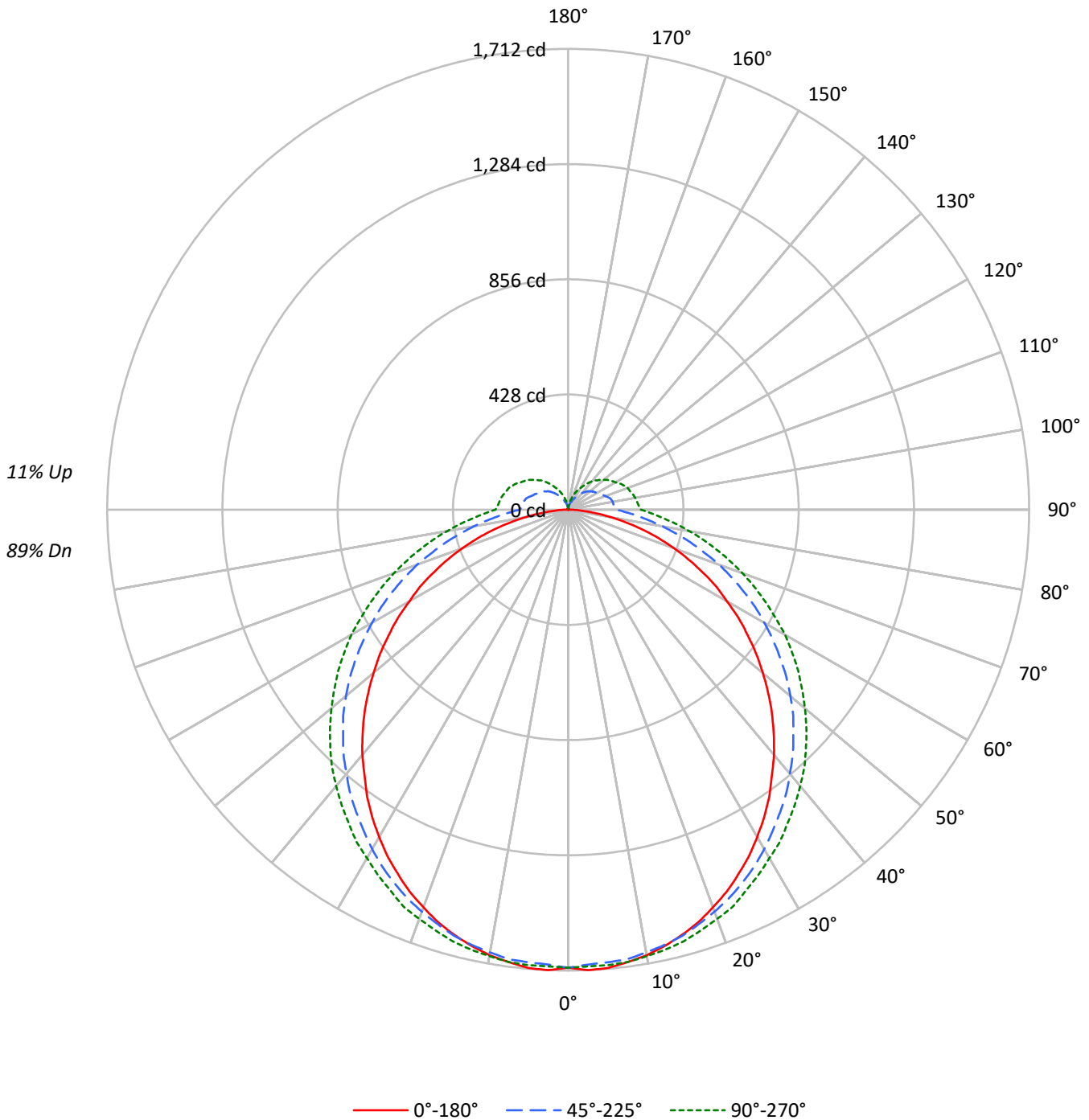
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6058.0 lumens
Efficiency: N/A
Efficacy: 155.3 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 39
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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CATALOG NUMBER: 8SNX-62SL-LW-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567900

CATALOG NUMBER: 8SNX-62SL-LW-UNV-L840-CD

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 | 77 | 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° | 9158 | 9158 | 9158 |
| 5° | 9214 | 8746 | 8669 |
| 10° | 9151 | 8406 | 8236 |
| 15° | 9059 | 8078 | 7845 |
| 20° | 8935 | 7735 | 7455 |
| 25° | 8791 | 7406 | 7073 |
| 30° | 8618 | 7066 | 6707 |
| 35° | 8429 | 6725 | 6365 |
| 40° | 8213 | 6391 | 6038 |
| 45° | 7979 | 6056 | 5704 |
| 50° | 7711 | 5711 | 5353 |
| 55° | 7417 | 5324 | 5009 |
| 60° | 7072 | 4921 | 4645 |
| 65° | 6716 | 4485 | 4230 |
| 70° | 6214 | 4019 | 3822 |
| 75° | 5551 | 3474 | 3389 |
| 80° | 4474 | 2924 | 2957 |
| 85° | 3152 | 2412 | 2514 |



TEST NUMBER: P567900

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 161.6 | 2.7 |
| 10°-20° | 464.6 | 7.7 |
| 20°-30° | 706.4 | 11.7 |
| 30°-40° | 857.5 | 14.2 |
| 40°-50° | 906.1 | 15.0 |
| 50°-60° | 847.9 | 14.0 |
| 60°-70° | 695.7 | 11.5 |
| 70°-80° | 478.5 | 7.9 |
| 80°-90° | 262.1 | 4.3 |
| 90°-100° | 168.7 | 2.8 |
| 100°-110° | 151.4 | 2.5 |
| 110°-120° | 125.3 | 2.1 |
| 120°-130° | 96.5 | 1.6 |
| 130°-140° | 67.8 | 1.1 |
| 140°-150° | 40.9 | 0.7 |
| 150°-160° | 19.6 | 0.3 |
| 160°-170° | 6.4 | 0.1 |
| 170°-180° | 0.8 | 0.0 |
| 0°-30° | 1332.6 | 22.0 |
| 0°-40° | 2190.1 | 36.2 |
| 0°-60° | 3944.2 | 65.1 |
| 0°-90° | 5380.5 | 88.8 |
| 90°-120° | 445.5 | 7.4 |
| 90°-150° | 650.7 | 10.7 |
| 90°-180° | 677.0 | 11.2 |
| 0°-180° | 6058.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1702 | 1702 | 1702 | 1702 | 1702 | |
| 5° | 1709 | 1705 | 1688 | 1702 | 1698 | 162 |
| 15° | 1635 | 1642 | 1639 | 1660 | 1660 | 461 |
| 25° | 1495 | 1512 | 1530 | 1561 | 1561 | 689 |
| 35° | 1302 | 1333 | 1372 | 1410 | 1421 | 813 |
| 45° | 1070 | 1119 | 1182 | 1235 | 1249 | 825 |
| 55° | 814 | 881 | 961 | 1021 | 1042 | 728 |
| 65° | 551 | 624 | 719 | 786 | 807 | 546 |
| 75° | 288 | 365 | 470 | 544 | 568 | 303 |
| 85° | 63 | 151 | 256 | 326 | 351 | 73 |
| 90° | 0 | 84 | 179 | 246 | 270 | 4 |
| 95° | 0 | 81 | 172 | 235 | 260 | 0 |
| 105° | 0 | 67 | 161 | 221 | 242 | 2 |
| 115° | 4 | 60 | 137 | 196 | 221 | 3 |
| 125° | 4 | 49 | 116 | 168 | 190 | 3 |
| 135° | 4 | 39 | 95 | 137 | 154 | 3 |
| 145° | 4 | 28 | 67 | 105 | 116 | 2 |
| 155° | 4 | 18 | 42 | 67 | 77 | 2 |
| 165° | 4 | 10 | 21 | 32 | 39 | 1 |
| 175° | 4 | 4 | 7 | 7 | 4 | 0 |
| 180° | 4 | 4 | 4 | 4 | 4 | |



TEST NUMBER: P567900

CATALOG NUMBER: 8SNX-62SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1701.7 | 1701.7 | 1701.7 | 1701.7 | 1701.7 |
| 2.5° | 1712.2 | 1708.7 | 1691.2 | 1705.2 | 1698.2 |
| 5° | 1708.7 | 1705.2 | 1687.7 | 1701.7 | 1698.2 |
| 7.5° | 1694.7 | 1694.7 | 1684.2 | 1698.2 | 1694.7 |
| 10° | 1680.7 | 1680.7 | 1670.1 | 1687.7 | 1684.2 |
| 12.5° | 1659.6 | 1663.1 | 1656.1 | 1677.1 | 1673.6 |
| 15° | 1635.0 | 1642.1 | 1638.6 | 1659.6 | 1659.6 |
| 17.5° | 1607.0 | 1614.0 | 1614.0 | 1638.6 | 1638.6 |
| 20° | 1571.9 | 1582.4 | 1589.4 | 1617.5 | 1617.5 |
| 22.5° | 1536.8 | 1550.8 | 1561.4 | 1585.9 | 1596.4 |
| 25° | 1494.7 | 1512.2 | 1529.8 | 1561.4 | 1561.4 |
| 27.5° | 1452.6 | 1473.6 | 1494.7 | 1526.3 | 1529.8 |
| 30° | 1403.5 | 1428.0 | 1456.1 | 1487.7 | 1494.7 |
| 32.5° | 1354.3 | 1385.9 | 1414.0 | 1452.6 | 1463.1 |
| 35° | 1301.7 | 1333.3 | 1371.9 | 1410.5 | 1421.0 |
| 37.5° | 1242.1 | 1280.7 | 1329.8 | 1371.9 | 1382.4 |
| 40° | 1189.4 | 1231.5 | 1280.7 | 1329.8 | 1340.3 |
| 42.5° | 1129.8 | 1175.4 | 1235.1 | 1280.7 | 1298.2 |
| 45° | 1070.1 | 1119.3 | 1182.4 | 1235.1 | 1249.1 |
| 47.5° | 1007.0 | 1063.1 | 1133.3 | 1182.4 | 1200.0 |
| 50° | 943.8 | 1003.5 | 1077.2 | 1133.3 | 1147.3 |
| 52.5° | 880.7 | 943.8 | 1021.0 | 1077.2 | 1094.7 |
| 55° | 814.0 | 880.7 | 961.4 | 1021.0 | 1042.1 |
| 57.5° | 750.9 | 817.5 | 901.7 | 964.9 | 985.9 |
| 60° | 680.7 | 757.9 | 842.1 | 905.2 | 929.8 |
| 62.5° | 621.0 | 691.2 | 782.4 | 845.6 | 866.6 |
| 65° | 550.9 | 624.5 | 719.3 | 785.9 | 807.0 |
| 67.5° | 484.2 | 561.4 | 656.1 | 726.3 | 747.3 |
| 70° | 417.5 | 494.7 | 596.5 | 663.1 | 687.7 |
| 72.5° | 350.9 | 431.6 | 529.8 | 603.5 | 628.1 |
| 75° | 287.7 | 364.9 | 470.2 | 543.8 | 568.4 |
| 77.5° | 221.0 | 305.3 | 410.5 | 484.2 | 512.3 |
| 80° | 161.4 | 249.1 | 354.4 | 428.1 | 456.1 |
| 82.5° | 108.8 | 196.5 | 301.7 | 375.4 | 403.5 |
| 85° | 63.2 | 150.9 | 256.1 | 326.3 | 350.9 |
| 87.5° | 31.6 | 115.8 | 214.0 | 284.2 | 308.8 |
| 90° | 0.0 | 84.2 | 178.9 | 245.6 | 270.2 |
| 92.5° | 0.0 | 80.7 | 175.4 | 238.6 | 263.2 |
| 95° | 0.0 | 80.7 | 171.9 | 235.1 | 259.6 |
| 97.5° | 0.0 | 77.2 | 168.4 | 235.1 | 256.1 |
| 100° | 0.0 | 73.7 | 168.4 | 231.6 | 252.6 |
| 102.5° | 0.0 | 70.2 | 164.9 | 228.1 | 249.1 |
| 105° | 0.0 | 66.7 | 161.4 | 221.0 | 242.1 |
| 107.5° | 3.5 | 66.7 | 154.4 | 217.5 | 238.6 |
| 110° | 3.5 | 63.2 | 147.4 | 214.0 | 235.1 |



TEST NUMBER: P567900

CATALOG NUMBER: 8SNX-62SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 3.5 | 59.6 | 140.3 | 207.0 | 228.1 |
| 115° | 3.5 | 59.6 | 136.8 | 196.5 | 221.0 |
| 117.5° | 3.5 | 56.1 | 129.8 | 189.5 | 214.0 |
| 120° | 3.5 | 56.1 | 126.3 | 182.5 | 203.5 |
| 122.5° | 3.5 | 52.6 | 119.3 | 175.4 | 196.5 |
| 125° | 3.5 | 49.1 | 115.8 | 168.4 | 189.5 |
| 127.5° | 3.5 | 45.6 | 112.3 | 161.4 | 182.5 |
| 130° | 3.5 | 42.1 | 105.3 | 154.4 | 171.9 |
| 132.5° | 3.5 | 42.1 | 101.8 | 143.9 | 164.9 |
| 135° | 3.5 | 38.6 | 94.7 | 136.8 | 154.4 |
| 137.5° | 3.5 | 35.1 | 87.7 | 129.8 | 147.4 |
| 140° | 3.5 | 31.6 | 80.7 | 122.8 | 136.8 |
| 142.5° | 3.5 | 31.6 | 73.7 | 112.3 | 126.3 |
| 145° | 3.5 | 28.1 | 66.7 | 105.3 | 115.8 |
| 147.5° | 3.5 | 24.6 | 59.6 | 94.7 | 105.3 |
| 150° | 3.5 | 24.6 | 52.6 | 84.2 | 94.7 |
| 152.5° | 3.5 | 21.1 | 45.6 | 77.2 | 87.7 |
| 155° | 3.5 | 17.5 | 42.1 | 66.7 | 77.2 |
| 157.5° | 3.5 | 17.5 | 35.1 | 56.1 | 66.7 |
| 160° | 3.5 | 14.0 | 31.6 | 45.6 | 56.1 |
| 162.5° | 3.5 | 14.0 | 28.1 | 38.6 | 49.1 |
| 165° | 3.5 | 10.5 | 21.1 | 31.6 | 38.6 |
| 167.5° | 3.5 | 10.5 | 17.5 | 24.6 | 31.6 |
| 170° | 3.5 | 7.0 | 14.0 | 17.5 | 24.6 |
| 172.5° | 3.5 | 7.0 | 10.5 | 10.5 | 10.5 |
| 175° | 3.5 | 3.5 | 7.0 | 7.0 | 3.5 |
| 177.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 180° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |

(END OF REPORT)