

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1323465

Luminaire Tested: LDSQA3D02R309030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

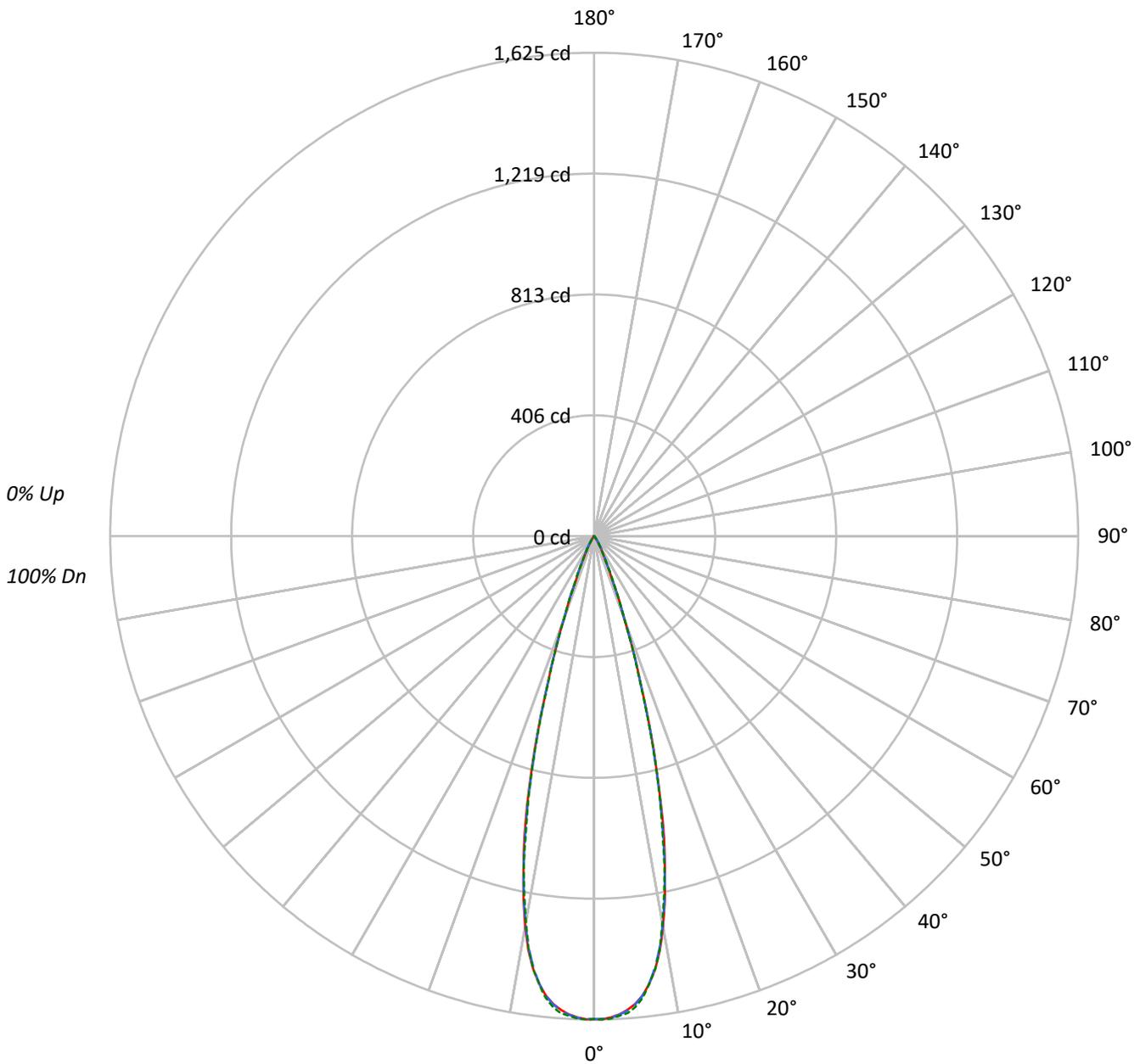
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 419.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1 | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99 | 99 | 97 | 97 | 97 |
| 2 | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 94 | 94 | 94 |
| 3 | 108 | 104 | 100 | 97 | 106 | 102 | 99 | 97 | 100 | 97 | 95 | 98 | 95 | 94 | 95 | 94 | 92 | 91 | 91 | 91 |
| 4 | 105 | 100 | 96 | 93 | 103 | 99 | 95 | 92 | 97 | 94 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 88 | 88 | 88 |
| 5 | 102 | 96 | 92 | 89 | 101 | 95 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 89 | 87 | 86 | 86 | 86 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 83 | 83 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 90 | 86 | 83 | 89 | 85 | 83 | 87 | 85 | 82 | 87 | 84 | 82 | 81 | 81 | 81 |
| 8 | 94 | 88 | 84 | 81 | 93 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 84 | 82 | 80 | 79 | 79 | 79 |
| 9 | 91 | 85 | 81 | 78 | 91 | 85 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 78 | 82 | 80 | 78 | 77 | 77 | 77 |
| 10 | 89 | 83 | 79 | 76 | 88 | 82 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 80 | 78 | 76 | 75 | 75 | 75 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 279655 | 279655 | 279655 |
| 5° | 272840 | 273186 | 274707 |
| 10° | 233027 | 231943 | 230579 |
| 15° | 143797 | 142121 | 142638 |
| 20° | 54341 | 54653 | 54579 |
| 25° | 16722 | 18338 | 17463 |
| 30° | 6742 | 8551 | 7000 |
| 35° | 1997 | 3637 | 2060 |
| 40° | 809 | 1461 | 809 |
| 45° | 170 | 487 | 170 |
| 50° | 0 | 80 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 487 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 143.2 | 34.2 |
| 10°-20° | 212.1 | 50.6 |
| 20°-30° | 52.6 | 12.6 |
| 30°-40° | 9.9 | 2.4 |
| 40°-50° | 1.2 | 0.3 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 407.9 | 97.3 |
| 0°-40° | 417.7 | 99.7 |
| 0°-60° | 419.0 | 100.0 |
| 0°-90° | 419.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 419.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1624 | 1624 | 1624 | 1624 | 1624 | |
| 5° | 1578 | 1578 | 1580 | 1583 | 1589 | 143 |
| 15° | 806 | 799 | 797 | 803 | 800 | 213 |
| 25° | 88 | 94 | 96 | 96 | 92 | 51 |
| 35° | 10 | 12 | 17 | 13 | 10 | 8 |
| 45° | 1 | 1 | 2 | 1 | 1 | 1 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1623.8 | 1623.8 | 1623.8 | 1623.8 | 1623.8 |
| 1° | 1624.5 | 1623.2 | 1623.2 | 1621.2 | 1624.8 |
| 2° | 1618.6 | 1617.3 | 1619.6 | 1618.0 | 1622.5 |
| 3° | 1609.8 | 1608.2 | 1611.4 | 1612.4 | 1614.7 |
| 4° | 1596.8 | 1595.5 | 1599.1 | 1601.0 | 1607.2 |
| 5° | 1578.2 | 1577.5 | 1580.2 | 1582.8 | 1589.0 |
| 6° | 1552.8 | 1551.8 | 1553.4 | 1556.7 | 1560.6 |
| 7° | 1516.0 | 1514.0 | 1515.3 | 1516.0 | 1516.9 |
| 8° | 1469.4 | 1466.4 | 1464.8 | 1468.4 | 1470.3 |
| 9° | 1409.4 | 1406.1 | 1402.6 | 1401.3 | 1405.8 |
| 10° | 1332.5 | 1327.6 | 1326.3 | 1323.0 | 1318.5 |
| 11° | 1243.2 | 1239.3 | 1238.3 | 1232.4 | 1229.8 |
| 12° | 1140.9 | 1138.9 | 1141.2 | 1137.6 | 1136.3 |
| 13° | 1042.8 | 1030.4 | 1028.8 | 1021.9 | 1018.4 |
| 14° | 926.8 | 915.4 | 915.0 | 911.5 | 916.4 |
| 15° | 806.5 | 798.7 | 797.1 | 803.3 | 800.0 |
| 17.5° | 514.2 | 519.4 | 518.1 | 514.9 | 509.3 |
| 20° | 296.5 | 293.0 | 298.2 | 299.5 | 297.8 |
| 22.5° | 158.0 | 159.4 | 160.3 | 164.2 | 166.8 |
| 25° | 88.0 | 93.9 | 96.5 | 96.1 | 91.9 |
| 27.5° | 54.7 | 58.3 | 63.2 | 60.0 | 56.4 |
| 30° | 33.9 | 36.8 | 43.0 | 37.1 | 35.2 |
| 32.5° | 18.2 | 23.1 | 27.7 | 23.1 | 18.9 |
| 35° | 9.5 | 12.4 | 17.3 | 12.7 | 9.8 |
| 37.5° | 6.2 | 7.2 | 11.1 | 7.2 | 6.2 |
| 40° | 3.6 | 4.6 | 6.5 | 4.6 | 3.6 |
| 42.5° | 1.6 | 2.6 | 3.6 | 2.6 | 1.6 |
| 45° | 0.7 | 1.0 | 2.0 | 1.3 | 0.7 |
| 47.5° | 0.0 | 0.3 | 1.0 | 0.3 | 0.0 |
| 50° | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)