

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: P1309853

Luminaire Tested: LDSQA3D02R259035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

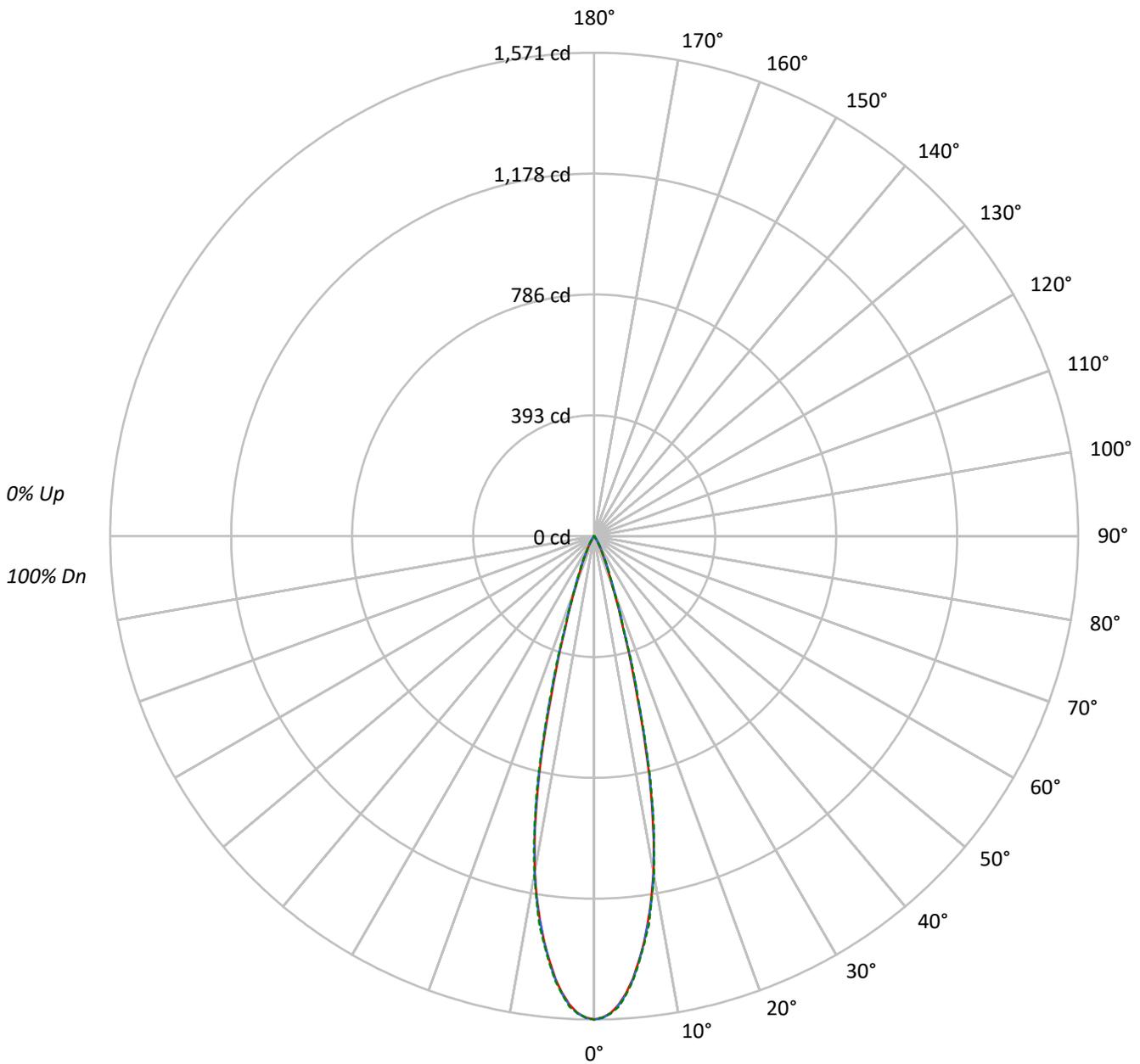
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 327.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 5 | 103 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 88 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 7 | 97 | 91 | 87 | 85 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 83 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 9 | 93 | 86 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 10 | 91 | 84 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 82 | 79 | 77 | 77 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 270562 | 270562 | 270562 |
| 5° | 249467 | 250037 | 250556 |
| 10° | 193696 | 194396 | 195445 |
| 15° | 95728 | 99740 | 99793 |
| 20° | 32238 | 34401 | 32880 |
| 25° | 13340 | 14822 | 13739 |
| 30° | 5230 | 6582 | 5290 |
| 35° | 1367 | 2691 | 1430 |
| 40° | 517 | 1079 | 517 |
| 45° | 73 | 317 | 73 |
| 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: 317 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 127.3 | 38.9 |
| 10°-20° | 154.0 | 47.1 |
| 20°-30° | 37.6 | 11.5 |
| 30°-40° | 7.3 | 2.2 |
| 40°-50° | 0.9 | 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° | 318.9 | 97.5 |
| 0°-40° | 326.2 | 99.7 |
| 0°-60° | 327.0 | 100.0 |
| 0°-90° | 327.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 327.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1571 | 1571 | 1571 | 1571 | 1571 | |
| 5° | 1443 | 1445 | 1446 | 1452 | 1449 | 127 |
| 15° | 537 | 550 | 559 | 565 | 560 | 151 |
| 25° | 70 | 74 | 78 | 75 | 72 | 36 |
| 35° | 6 | 9 | 13 | 9 | 7 | 6 |
| 45° | 0 | 1 | 1 | 1 | 0 | 0 |
| 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° | 1571.0 | 1571.0 | 1571.0 | 1571.0 | 1571.0 |
| 1° | 1564.9 | 1565.9 | 1566.2 | 1567.7 | 1564.7 |
| 2° | 1550.6 | 1550.9 | 1551.6 | 1554.7 | 1551.9 |
| 3° | 1524.3 | 1526.1 | 1526.3 | 1530.3 | 1531.1 |
| 4° | 1488.4 | 1489.4 | 1491.4 | 1498.2 | 1492.2 |
| 5° | 1443.0 | 1445.0 | 1446.3 | 1452.5 | 1449.3 |
| 6° | 1386.8 | 1387.3 | 1390.1 | 1397.4 | 1392.8 |
| 7° | 1329.6 | 1329.4 | 1329.6 | 1335.4 | 1334.1 |
| 8° | 1260.6 | 1259.4 | 1263.4 | 1270.4 | 1275.2 |
| 9° | 1188.6 | 1190.4 | 1192.9 | 1199.7 | 1194.2 |
| 10° | 1107.6 | 1112.4 | 1111.6 | 1112.1 | 1117.6 |
| 11° | 1014.3 | 1015.8 | 1016.0 | 1021.3 | 1020.5 |
| 12° | 904.6 | 904.6 | 912.9 | 921.5 | 918.7 |
| 13° | 794.0 | 801.8 | 796.3 | 798.0 | 809.1 |
| 14° | 665.1 | 671.1 | 678.6 | 685.6 | 680.1 |
| 15° | 536.9 | 549.7 | 559.4 | 565.0 | 559.7 |
| 17.5° | 307.6 | 311.8 | 320.1 | 321.1 | 317.9 |
| 20° | 175.9 | 181.1 | 187.7 | 185.6 | 179.4 |
| 22.5° | 110.6 | 112.1 | 118.7 | 115.4 | 113.9 |
| 25° | 70.2 | 74.0 | 78.0 | 74.8 | 72.3 |
| 27.5° | 43.7 | 46.2 | 50.4 | 46.9 | 44.2 |
| 30° | 26.3 | 28.6 | 33.1 | 28.3 | 26.6 |
| 32.5° | 13.8 | 17.1 | 20.8 | 17.3 | 13.8 |
| 35° | 6.5 | 9.3 | 12.8 | 9.3 | 6.8 |
| 37.5° | 4.0 | 5.0 | 7.8 | 5.0 | 4.0 |
| 40° | 2.3 | 3.3 | 4.8 | 3.3 | 2.3 |
| 42.5° | 1.0 | 1.8 | 2.3 | 1.8 | 1.3 |
| 45° | 0.3 | 0.8 | 1.3 | 0.8 | 0.3 |
| 47.5° | 0.0 | 0.0 | 0.8 | 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)