

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: P1306679

Luminaire Tested: LDSQA3D02R359024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

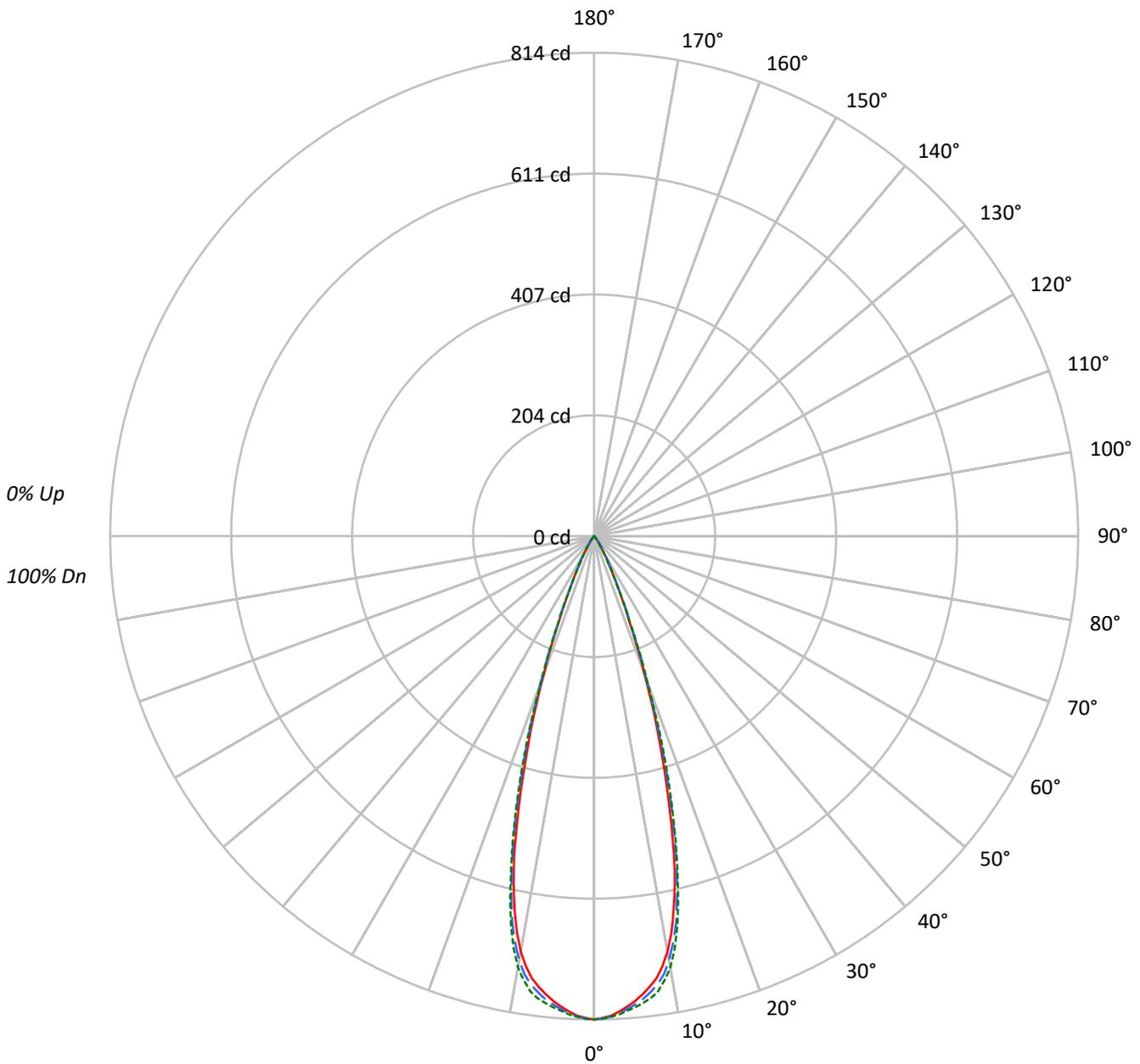
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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 (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: 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 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 98 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98 | 100 | 98 | 96 | 97 | 96 | 94 | 94 | 94 | 94 | 93 |
| 3 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 96 | 94 | 92 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 88 | 92 | 89 | 88 | 88 | 88 | 88 | 86 |
| 5 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 88 | 86 | 90 | 87 | 85 | 89 | 86 | 84 | 84 | 84 | 84 | 83 |
| 6 | 97 | 91 | 86 | 83 | 96 | 90 | 86 | 83 | 89 | 85 | 83 | 88 | 84 | 82 | 86 | 84 | 82 | 82 | 82 | 82 | 80 |
| 7 | 94 | 88 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 79 | 79 | 79 | 78 |
| 8 | 91 | 85 | 80 | 77 | 91 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 81 | 79 | 76 | 76 | 76 | 76 | 75 |
| 9 | 89 | 82 | 78 | 75 | 88 | 81 | 77 | 75 | 81 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 74 | 74 | 74 | 74 | 73 |
| 10 | 86 | 79 | 75 | 72 | 85 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | 72 | 72 | 72 | 71 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 140172 | 140172 | 140172 |
| 5° | 135919 | 136887 | 137630 |
| 10° | 124217 | 126840 | 129009 |
| 15° | 89327 | 93232 | 93999 |
| 20° | 45471 | 47762 | 47872 |
| 25° | 17254 | 17615 | 17140 |
| 30° | 6702 | 7776 | 6523 |
| 35° | 2292 | 3616 | 2166 |
| 40° | 764 | 1394 | 719 |
| 45° | 49 | 463 | 49 |
| 50° | 0 | 54 | 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: 463 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.7 | 27.2 |
| 10°-20° | 137.3 | 50.7 |
| 20°-30° | 49.3 | 18.2 |
| 30°-40° | 9.6 | 3.6 |
| 40°-50° | 1.1 | 0.4 |
| 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° | 260.3 | 96.1 |
| 0°-40° | 269.9 | 99.6 |
| 0°-60° | 271.0 | 100.0 |
| 0°-90° | 271.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 271.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 814 | 814 | 814 | 814 | 814 | |
| 5° | 786 | 788 | 792 | 796 | 796 | 73 |
| 15° | 501 | 509 | 523 | 526 | 527 | 133 |
| 25° | 91 | 92 | 93 | 92 | 90 | 48 |
| 35° | 11 | 12 | 17 | 13 | 10 | 8 |
| 45° | 0 | 1 | 2 | 1 | 0 | 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° | 813.9 | 813.9 | 813.9 | 813.9 | 813.9 |
| 1° | 811.6 | 812.6 | 812.9 | 814.4 | 812.6 |
| 2° | 808.1 | 808.8 | 809.6 | 810.9 | 810.1 |
| 3° | 801.5 | 802.8 | 804.7 | 806.4 | 806.4 |
| 4° | 794.4 | 796.1 | 798.5 | 801.5 | 801.3 |
| 5° | 786.2 | 788.4 | 791.8 | 795.5 | 796.1 |
| 6° | 775.9 | 778.5 | 784.1 | 789.2 | 790.1 |
| 7° | 765.0 | 768.9 | 774.2 | 781.7 | 783.7 |
| 8° | 752.1 | 755.1 | 762.8 | 771.6 | 773.8 |
| 9° | 733.2 | 737.7 | 747.6 | 755.8 | 757.0 |
| 10° | 710.3 | 713.5 | 725.3 | 733.9 | 737.7 |
| 11° | 680.6 | 685.4 | 696.9 | 705.7 | 708.3 |
| 12° | 642.9 | 649.7 | 663.2 | 669.7 | 671.8 |
| 13° | 602.1 | 607.9 | 618.4 | 626.3 | 628.0 |
| 14° | 556.1 | 561.7 | 572.7 | 579.1 | 577.6 |
| 15° | 501.0 | 509.3 | 522.9 | 526.5 | 527.2 |
| 17.5° | 370.0 | 375.4 | 387.4 | 393.2 | 397.3 |
| 20° | 248.1 | 253.3 | 260.6 | 264.4 | 261.2 |
| 22.5° | 150.9 | 155.2 | 159.1 | 158.8 | 157.8 |
| 25° | 90.8 | 91.7 | 92.7 | 92.1 | 90.2 |
| 27.5° | 53.0 | 55.4 | 58.6 | 56.5 | 53.2 |
| 30° | 33.7 | 35.6 | 39.1 | 35.4 | 32.8 |
| 32.5° | 17.8 | 22.5 | 26.2 | 21.2 | 18.7 |
| 35° | 10.9 | 12.4 | 17.2 | 12.7 | 10.3 |
| 37.5° | 6.7 | 7.7 | 10.7 | 7.5 | 6.0 |
| 40° | 3.4 | 4.9 | 6.2 | 4.5 | 3.2 |
| 42.5° | 1.1 | 2.4 | 3.4 | 2.1 | 1.1 |
| 45° | 0.2 | 0.6 | 1.9 | 0.6 | 0.2 |
| 47.5° | 0.0 | 0.0 | 0.9 | 0.2 | 0.0 |
| 50° | 0.0 | 0.0 | 0.2 | 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)