

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: P1323437

Luminaire Tested: LDSQA3D02R209030D2WDE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209030D2WDE010 3LSQPHRL1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

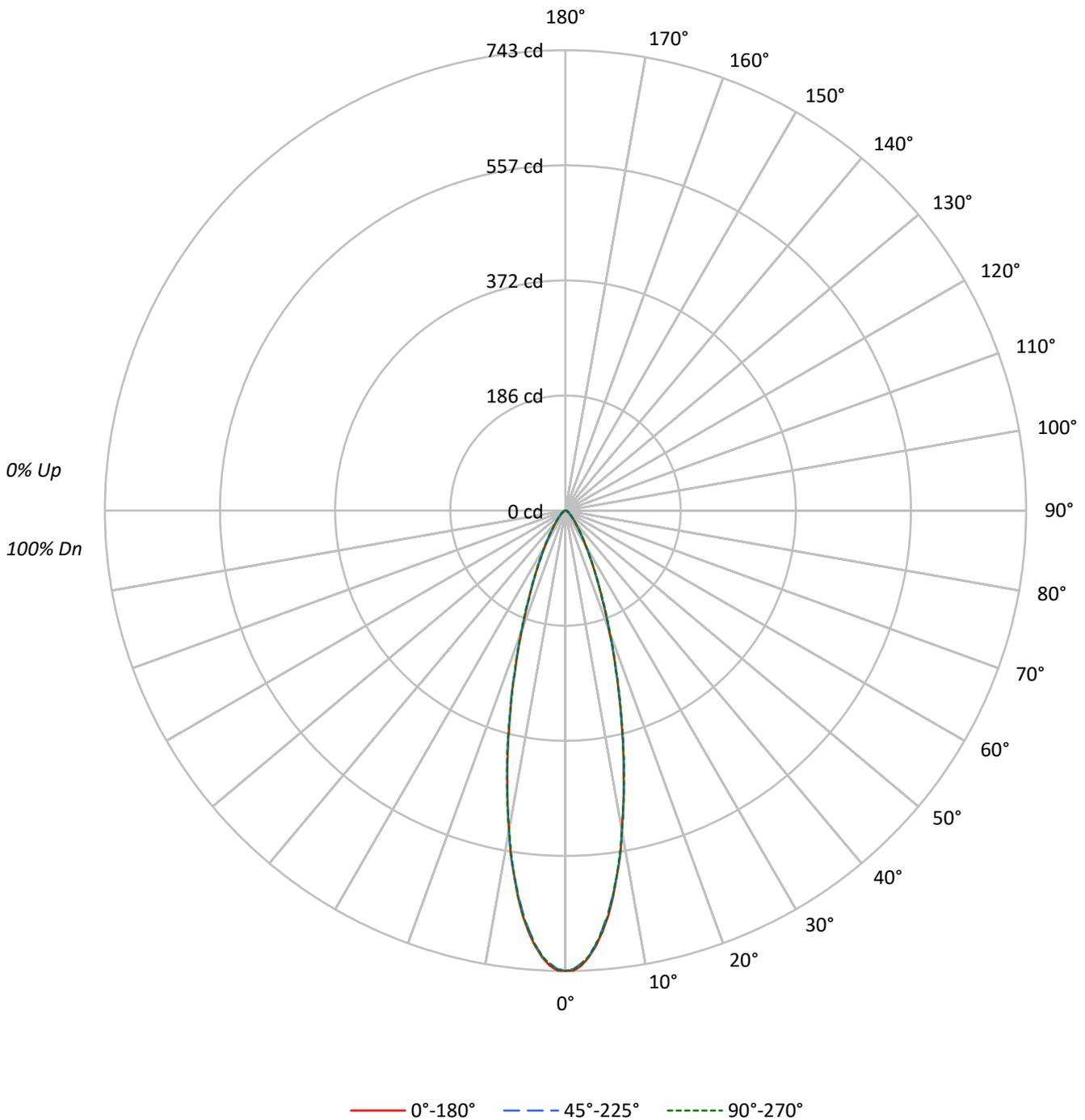
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 261.1 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
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





TEST NUMBER: P1323437

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 2 | 109 | 104 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 97 | 94 | 96 | 94 | 92 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 79 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 86 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 75 |
| 6 | 92 | 84 | 79 | 75 | 90 | 83 | 78 | 75 | 82 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 73 | 79 | 76 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 76 | 73 | 70 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 73 | 70 | 67 | 73 | 70 | 67 | 66 |
| 9 | 82 | 74 | 68 | 65 | 81 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 64 | 71 | 67 | 64 | 63 |
| 10 | 79 | 71 | 66 | 62 | 78 | 70 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 65 | 62 | 68 | 65 | 62 | 61 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 127910 | 127910 | 127910 |
| 5° | 118008 | 117334 | 117714 |
| 10° | 91567 | 91689 | 91689 |
| 15° | 61887 | 62190 | 62190 |
| 20° | 37590 | 38066 | 38250 |
| 25° | 22043 | 22366 | 22290 |
| 30° | 12867 | 13125 | 13185 |
| 35° | 7863 | 8073 | 8073 |
| 40° | 5126 | 5193 | 5261 |
| 45° | 3556 | 3653 | 3726 |
| 50° | 2626 | 2706 | 2706 |
| 55° | 2042 | 2162 | 2162 |
| 60° | 1791 | 1791 | 1894 |
| 65° | 1589 | 1589 | 1712 |
| 70° | 1460 | 1460 | 1460 |
| 75° | 1331 | 1331 | 1331 |
| 80° | 992 | 992 | 1289 |
| 85° | 593 | 593 | 1383 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3726 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 59.9 | 22.9 |
| 10°-20° | 95.9 | 36.7 |
| 20°-30° | 55.5 | 21.3 |
| 30°-40° | 24.9 | 9.5 |
| 40°-50° | 11.8 | 4.5 |
| 50°-60° | 6.5 | 2.5 |
| 60°-70° | 3.9 | 1.5 |
| 70°-80° | 2.1 | 0.8 |
| 80°-90° | 0.5 | 0.2 |
| 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° | 211.3 | 80.9 |
| 0°-40° | 236.3 | 90.5 |
| 0°-60° | 254.6 | 97.5 |
| 0°-90° | 261.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 261.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 743 | 743 | 743 | 743 | 743 | |
| 5° | 683 | 680 | 679 | 680 | 681 | 60 |
| 15° | 347 | 347 | 349 | 347 | 349 | 96 |
| 25° | 116 | 116 | 118 | 117 | 117 | 55 |
| 35° | 37 | 38 | 38 | 39 | 38 | 24 |
| 45° | 15 | 15 | 15 | 15 | 15 | 12 |
| 55° | 7 | 7 | 7 | 7 | 7 | 6 |
| 65° | 4 | 4 | 4 | 4 | 4 | 4 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 0 | 0 | 0 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1323437
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 742.7 | 742.7 | 742.7 | 742.7 | 742.7 |
| 1° | 742.4 | 740.4 | 739.8 | 739.1 | 741.1 |
| 2° | 734.9 | 732.6 | 731.3 | 732.0 | 732.3 |
| 3° | 721.6 | 720.3 | 720.3 | 719.3 | 719.9 |
| 4° | 704.3 | 701.7 | 701.7 | 702.1 | 702.1 |
| 5° | 682.6 | 680.3 | 678.7 | 680.0 | 680.9 |
| 6° | 658.2 | 655.3 | 654.0 | 654.3 | 656.6 |
| 7° | 628.3 | 624.4 | 625.0 | 626.7 | 626.7 |
| 8° | 594.5 | 594.2 | 594.8 | 594.2 | 594.8 |
| 9° | 563.3 | 558.7 | 562.6 | 559.4 | 561.0 |
| 10° | 523.6 | 523.3 | 524.3 | 525.2 | 524.3 |
| 12.5° | 433.3 | 434.9 | 435.5 | 434.2 | 437.2 |
| 15° | 347.1 | 347.1 | 348.8 | 347.1 | 348.8 |
| 17.5° | 270.1 | 269.8 | 271.1 | 269.8 | 271.7 |
| 20° | 205.1 | 207.4 | 207.7 | 207.7 | 208.7 |
| 22.5° | 154.7 | 154.7 | 156.0 | 156.3 | 155.7 |
| 25° | 116.0 | 116.0 | 117.7 | 116.7 | 117.3 |
| 27.5° | 85.8 | 86.5 | 87.8 | 88.4 | 88.4 |
| 30° | 64.7 | 65.0 | 66.0 | 66.3 | 66.3 |
| 32.5° | 48.8 | 49.4 | 50.1 | 50.4 | 50.7 |
| 35° | 37.4 | 37.7 | 38.4 | 38.7 | 38.4 |
| 37.5° | 28.6 | 28.9 | 29.6 | 29.9 | 29.9 |
| 40° | 22.8 | 22.8 | 23.1 | 23.4 | 23.4 |
| 42.5° | 17.9 | 18.2 | 18.2 | 18.5 | 18.5 |
| 45° | 14.6 | 14.6 | 15.0 | 15.0 | 15.3 |
| 47.5° | 11.7 | 11.7 | 12.0 | 12.4 | 12.4 |
| 50° | 9.8 | 9.8 | 10.1 | 10.1 | 10.1 |
| 52.5° | 8.1 | 8.1 | 8.5 | 8.5 | 8.5 |
| 55° | 6.8 | 6.8 | 7.2 | 7.2 | 7.2 |
| 57.5° | 5.9 | 5.9 | 6.2 | 6.2 | 6.2 |
| 60° | 5.2 | 5.2 | 5.2 | 5.2 | 5.5 |
| 62.5° | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 65° | 3.9 | 3.9 | 3.9 | 3.9 | 4.2 |
| 67.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.6 |
| 70° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 72.5° | 2.3 | 2.3 | 2.3 | 2.6 | 2.6 |
| 75° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)