

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: P1319876

Luminaire Tested: LDSQA3D05R559840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R559840DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

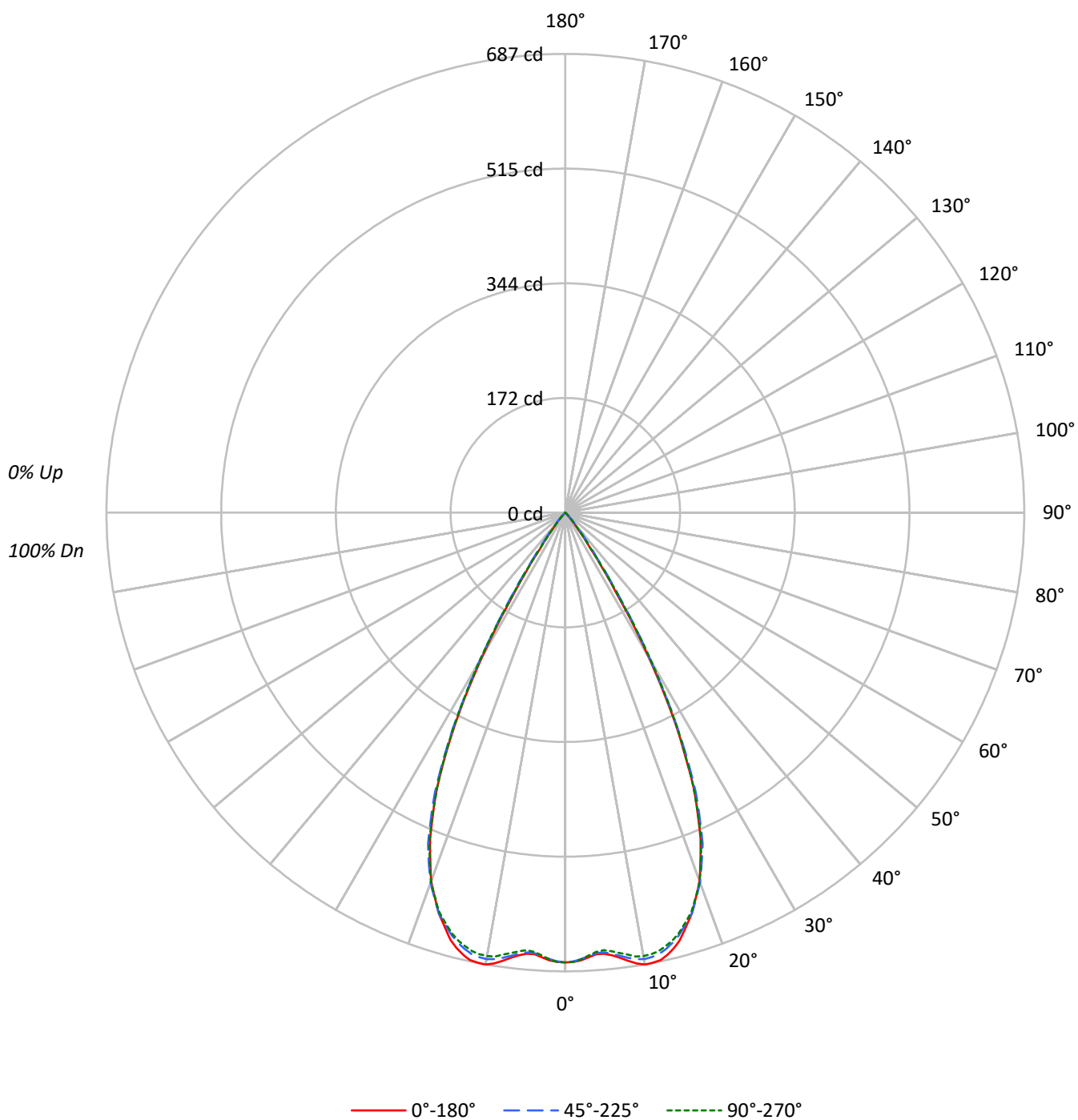
Lumens per Lamp: N/A  
Luminaire Lumens: 512.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 10  |
| 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 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  | 92  | 90  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 65  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 115992 | 115992 | 115992 |
| 5°  | 114654 | 114326 | 113704 |
| 10° | 120177 | 118743 | 117904 |
| 15° | 118176 | 116928 | 116500 |
| 20° | 107656 | 108078 | 107729 |
| 25° | 86367  | 87716  | 86367  |
| 30° | 49577  | 50810  | 51208  |
| 35° | 14128  | 17030  | 14549  |
| 40° | 3620   | 5216   | 3710   |
| 45° | 390    | 1827   | 292    |
| 50° | 0      | 322    | 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: 1827 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.9   | 12.5      |
| 10°-20°   | 182.5  | 35.6      |
| 20°-30°   | 201.0  | 39.3      |
| 30°-40°   | 60.0   | 11.7      |
| 40°-50°   | 4.6    | 0.9       |
| 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°    | 447.4  | 87.4      |
| 0°-40°    | 507.4  | 99.1      |
| 0°-60°    | 512.0  | 100.0     |
| 0°-90°    | 512.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 512.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 674 | 674   | 674 | 674   | 674 |      |
| 5°  | 663 | 662   | 661 | 658   | 658 | 64   |
| 15° | 663 | 658   | 656 | 653   | 653 | 184  |
| 25° | 454 | 454   | 462 | 461   | 454 | 199  |
| 35° | 67  | 72    | 81  | 74    | 69  | 56   |
| 45° | 2   | 4     | 8   | 4     | 1   | 3    |
| 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   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 673.5 | 673.5 | 673.5 | 673.5 | 673.5 |
| 1°    | 673.1 | 673.1 | 672.3 | 671.9 | 673.1 |
| 2°    | 671.1 | 671.1 | 669.1 | 668.7 | 669.9 |
| 3°    | 666.8 | 666.4 | 664.8 | 663.6 | 664.4 |
| 4°    | 663.2 | 662.4 | 661.3 | 659.3 | 659.7 |
| 5°    | 663.2 | 662.1 | 661.3 | 658.5 | 657.7 |
| 6°    | 666.4 | 665.6 | 664.0 | 661.3 | 660.5 |
| 7°    | 671.9 | 670.3 | 668.7 | 665.2 | 664.4 |
| 8°    | 677.8 | 676.6 | 673.5 | 669.9 | 668.3 |
| 9°    | 683.7 | 680.9 | 677.0 | 673.5 | 673.1 |
| 10°   | 687.2 | 683.3 | 679.0 | 674.6 | 674.2 |
| 11°   | 686.8 | 683.3 | 678.2 | 674.2 | 673.8 |
| 12°   | 685.3 | 680.1 | 675.8 | 671.1 | 671.5 |
| 13°   | 679.7 | 675.0 | 670.7 | 667.2 | 666.4 |
| 14°   | 672.3 | 668.0 | 664.0 | 660.5 | 660.9 |
| 15°   | 662.8 | 658.1 | 655.8 | 653.0 | 653.4 |
| 17.5° | 629.4 | 628.2 | 629.4 | 626.3 | 627.5 |
| 20°   | 587.4 | 586.2 | 589.7 | 588.1 | 587.8 |
| 22.5° | 528.8 | 530.4 | 537.0 | 535.1 | 531.5 |
| 25°   | 454.5 | 454.5 | 461.6 | 460.8 | 454.5 |
| 27.5° | 357.8 | 360.5 | 364.8 | 366.8 | 362.1 |
| 30°   | 249.3 | 255.5 | 255.5 | 259.5 | 257.5 |
| 32.5° | 139.2 | 152.5 | 155.7 | 157.7 | 149.8 |
| 35°   | 67.2  | 71.6  | 81.0  | 73.9  | 69.2  |
| 37.5° | 32.2  | 34.2  | 43.6  | 35.4  | 33.0  |
| 40°   | 16.1  | 18.5  | 23.2  | 19.3  | 16.5  |
| 42.5° | 6.7   | 9.8   | 12.2  | 9.8   | 6.7   |
| 45°   | 1.6   | 3.9   | 7.5   | 3.9   | 1.2   |
| 47.5° | 0.0   | 0.4   | 3.5   | 0.8   | 0.0   |
| 50°   | 0.0   | 0.0   | 1.2   | 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)