

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: P1325424

Luminaire Tested: LDSQA3D05R55W2N902765DE010 3LSQCDR1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1325424  
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: LDSQA3D05R55W2N902765DE010 3LSQCDR1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

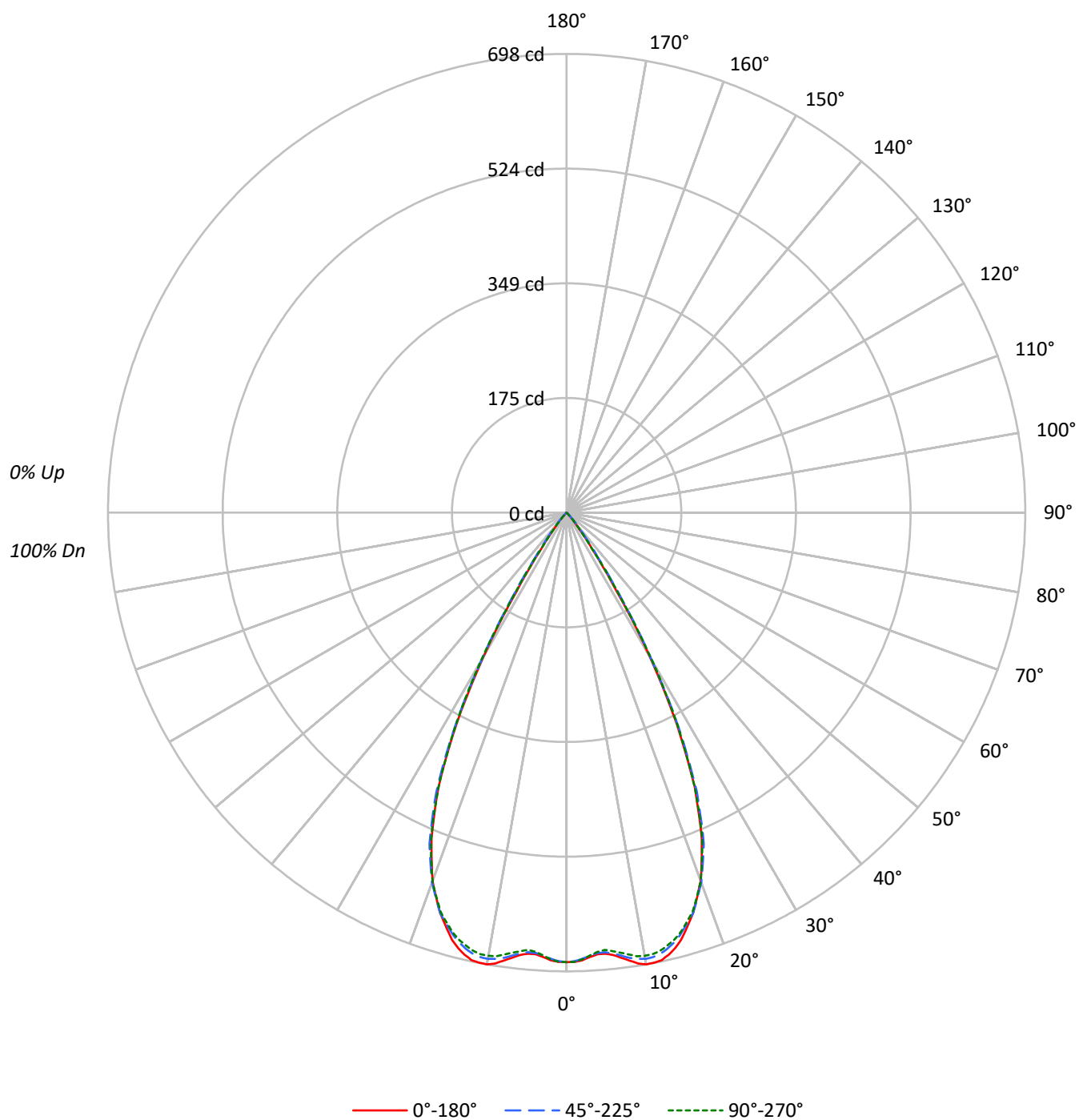
Lumens per Lamp: N/A  
Luminaire Lumens: 520.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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°  | 117800 | 117800 | 117800 |
| 5°  | 116452 | 116107 | 115484 |
| 10° | 122066 | 120597 | 119757 |
| 15° | 120030 | 118746 | 118319 |
| 20° | 109324 | 109764 | 109397 |
| 25° | 87716  | 89084  | 87716  |
| 30° | 50333  | 51606  | 52003  |
| 35° | 14360  | 17303  | 14780  |
| 40° | 3687   | 5306   | 3777   |
| 45° | 390    | 1851   | 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: 1851 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 64.9   | 12.5      |
| 10°-20°   | 185.3  | 35.6      |
| 20°-30°   | 204.1  | 39.2      |
| 30°-40°   | 60.9   | 11.7      |
| 40°-50°   | 4.7    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 454.4  | 87.4      |
| 0°-40°    | 515.3  | 99.1      |
| 0°-60°    | 520.0  | 100.0     |
| 0°-90°    | 520.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 520.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 684 | 684   | 684 | 684   | 684 |      |
| 5°  | 674 | 672   | 672 | 669   | 668 | 65   |
| 15° | 673 | 668   | 666 | 663   | 664 | 187  |
| 25° | 462 | 462   | 469 | 468   | 462 | 202  |
| 35° | 68  | 73    | 82  | 75    | 70  | 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°    | 684.0 | 684.0 | 684.0 | 684.0 | 684.0 |
| 1°    | 683.6 | 683.6 | 682.8 | 682.4 | 683.6 |
| 2°    | 681.6 | 681.6 | 679.6 | 679.2 | 680.4 |
| 3°    | 677.2 | 676.8 | 675.2 | 674.0 | 674.8 |
| 4°    | 673.6 | 672.8 | 671.6 | 669.6 | 670.0 |
| 5°    | 673.6 | 672.4 | 671.6 | 668.8 | 668.0 |
| 6°    | 676.8 | 676.0 | 674.4 | 671.6 | 670.8 |
| 7°    | 682.4 | 680.8 | 679.2 | 675.6 | 674.8 |
| 8°    | 688.4 | 687.2 | 684.0 | 680.4 | 678.8 |
| 9°    | 694.4 | 691.6 | 687.6 | 684.0 | 683.6 |
| 10°   | 698.0 | 694.0 | 689.6 | 685.2 | 684.8 |
| 11°   | 697.6 | 694.0 | 688.8 | 684.8 | 684.4 |
| 12°   | 696.0 | 690.8 | 686.4 | 681.6 | 682.0 |
| 13°   | 690.4 | 685.6 | 681.2 | 677.6 | 676.8 |
| 14°   | 682.8 | 678.4 | 674.4 | 670.8 | 671.2 |
| 15°   | 673.2 | 668.4 | 666.0 | 663.2 | 663.6 |
| 17.5° | 639.3 | 638.1 | 639.3 | 636.1 | 637.3 |
| 20°   | 596.5 | 595.3 | 598.9 | 597.3 | 596.9 |
| 22.5° | 537.0 | 538.6 | 545.4 | 543.4 | 539.8 |
| 25°   | 461.6 | 461.6 | 468.8 | 468.0 | 461.6 |
| 27.5° | 363.4 | 366.1 | 370.5 | 372.5 | 367.7 |
| 30°   | 253.1 | 259.5 | 259.5 | 263.5 | 261.5 |
| 32.5° | 141.3 | 154.9 | 158.1 | 160.1 | 152.1 |
| 35°   | 68.3  | 72.7  | 82.3  | 75.1  | 70.3  |
| 37.5° | 32.7  | 34.7  | 44.3  | 35.9  | 33.5  |
| 40°   | 16.4  | 18.8  | 23.6  | 19.6  | 16.8  |
| 42.5° | 6.8   | 10.0  | 12.4  | 10.0  | 6.8   |
| 45°   | 1.6   | 4.0   | 7.6   | 4.0   | 1.2   |
| 47.5° | 0.0   | 0.4   | 3.6   | 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)