

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: P1327037

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCDR1MMS\_6500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1327037  
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: LDSQA3D09R55W2N902765DE010 3LSQCDR1MMS\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 6500K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

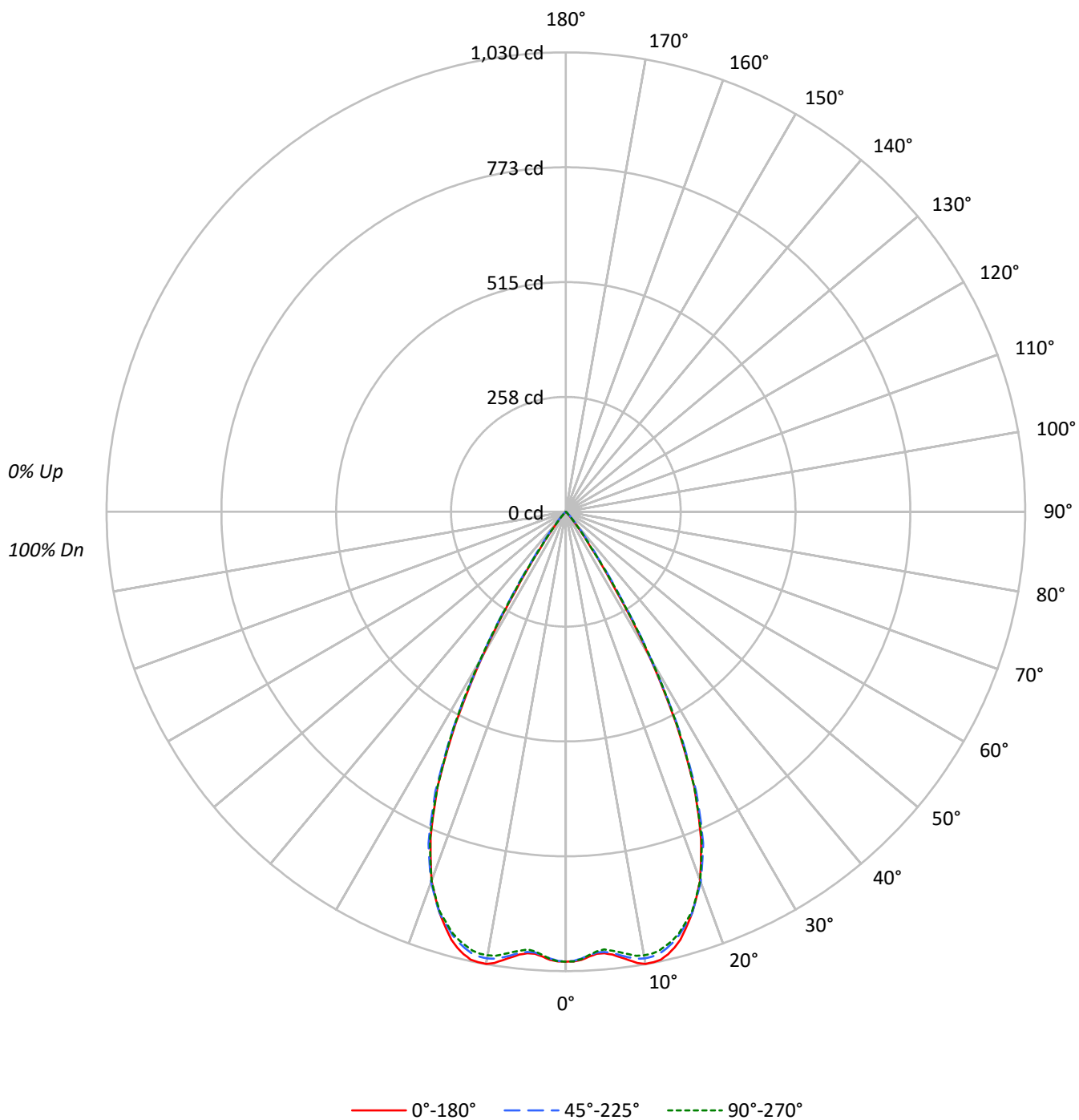
Lumens per Lamp: N/A  
Luminaire Lumens: 767.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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°  | 173755 | 173755 | 173755 |
| 5°  | 171774 | 171255 | 170339 |
| 10° | 180038 | 177870 | 176628 |
| 15° | 177050 | 175160 | 174518 |
| 20° | 161264 | 161906 | 161374 |
| 25° | 129370 | 131384 | 129370 |
| 30° | 74256  | 76126  | 76722  |
| 35° | 21172  | 25503  | 21802  |
| 40° | 5418   | 7801   | 5553   |
| 45° | 585    | 2728   | 438    |
| 50° | 0      | 482    | 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: 2728 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.8   | 12.5      |
| 10°-20°   | 273.3  | 35.6      |
| 20°-30°   | 301.1  | 39.3      |
| 30°-40°   | 89.9   | 11.7      |
| 40°-50°   | 6.9    | 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°    | 670.2  | 87.4      |
| 0°-40°    | 760.0  | 99.1      |
| 0°-60°    | 767.0  | 100.0     |
| 0°-90°    | 767.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 767.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1009 | 1009  | 1009 | 1009  | 1009 |      |
| 5°  | 994  | 992   | 991  | 986   | 985  | 96   |
| 15° | 993  | 986   | 982  | 978   | 979  | 275  |
| 25° | 681  | 681   | 691  | 690   | 681  | 298  |
| 35° | 101  | 107   | 121  | 111   | 104  | 83   |
| 45° | 2    | 6     | 11   | 6     | 2    | 4    |
| 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°    | 1008.9 | 1008.9 | 1008.9 | 1008.9 | 1008.9 |
| 1°    | 1008.3 | 1008.3 | 1007.1 | 1006.5 | 1008.3 |
| 2°    | 1005.3 | 1005.3 | 1002.4 | 1001.8 | 1003.6 |
| 3°    | 998.9  | 998.3  | 995.9  | 994.1  | 995.3  |
| 4°    | 993.6  | 992.4  | 990.6  | 987.7  | 988.3  |
| 5°    | 993.6  | 991.8  | 990.6  | 986.5  | 985.3  |
| 6°    | 998.3  | 997.1  | 994.7  | 990.6  | 989.4  |
| 7°    | 1006.5 | 1004.2 | 1001.8 | 996.5  | 995.3  |
| 8°    | 1015.3 | 1013.6 | 1008.9 | 1003.6 | 1001.2 |
| 9°    | 1024.2 | 1020.1 | 1014.2 | 1008.9 | 1008.3 |
| 10°   | 1029.5 | 1023.6 | 1017.1 | 1010.6 | 1010.0 |
| 11°   | 1028.9 | 1023.6 | 1015.9 | 1010.0 | 1009.5 |
| 12°   | 1026.5 | 1018.9 | 1012.4 | 1005.3 | 1005.9 |
| 13°   | 1018.3 | 1011.2 | 1004.7 | 999.4  | 998.3  |
| 14°   | 1007.1 | 1000.6 | 994.7  | 989.4  | 990.0  |
| 15°   | 993.0  | 985.9  | 982.4  | 978.2  | 978.8  |
| 17.5° | 942.9  | 941.1  | 942.9  | 938.2  | 940.0  |
| 20°   | 879.9  | 878.1  | 883.4  | 881.1  | 880.5  |
| 22.5° | 792.1  | 794.5  | 804.5  | 801.6  | 796.3  |
| 25°   | 680.8  | 680.8  | 691.4  | 690.2  | 680.8  |
| 27.5° | 535.9  | 540.1  | 546.5  | 549.5  | 542.4  |
| 30°   | 373.4  | 382.8  | 382.8  | 388.7  | 385.8  |
| 32.5° | 208.5  | 228.5  | 233.2  | 236.2  | 224.4  |
| 35°   | 100.7  | 107.2  | 121.3  | 110.7  | 103.7  |
| 37.5° | 48.3   | 51.2   | 65.4   | 53.0   | 49.5   |
| 40°   | 24.1   | 27.7   | 34.7   | 28.9   | 24.7   |
| 42.5° | 10.0   | 14.7   | 18.3   | 14.7   | 10.0   |
| 45°   | 2.4    | 5.9    | 11.2   | 5.9    | 1.8    |
| 47.5° | 0.0    | 0.6    | 5.3    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.8    | 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)