

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: P1326531

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQPHRL1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326531  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902750DE010 3LSQPHRL1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

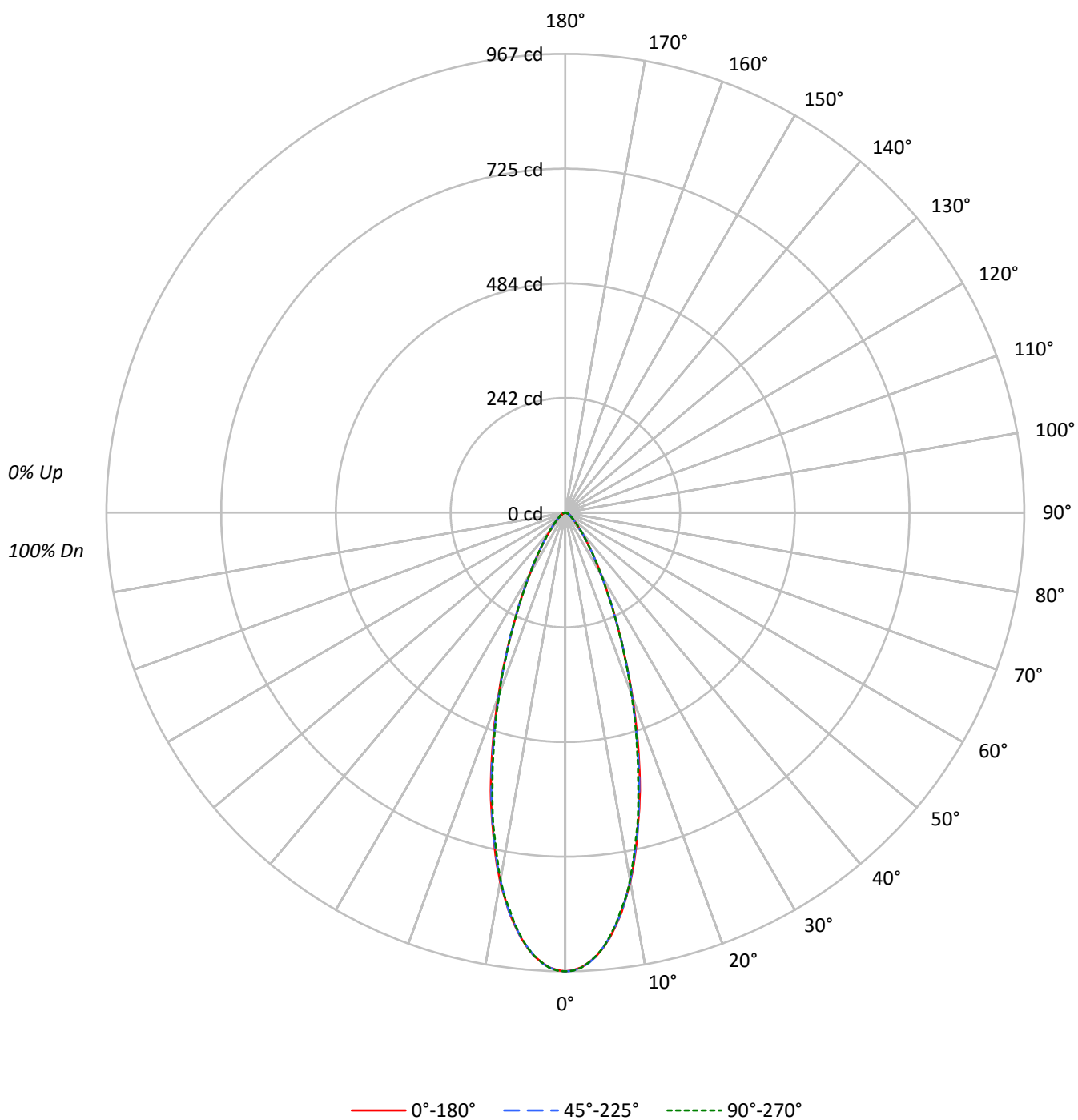
Lumens per Lamp: N/A  
Luminaire Lumens: 477.0 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 100 |    |    |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  |    |    |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  |    |    |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 82  |    |    |
| 4   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  |    |    |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 73  |    |    |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 69  |    |    |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 65  |    |    |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  |    |    |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 59  |    |    |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 56  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 166574 | 166574 | 166574 |
| 5°  | 159171 | 158894 | 159171 |
| 10° | 138190 | 137718 | 137543 |
| 15° | 108280 | 107425 | 105731 |
| 20° | 75748  | 75070  | 74593  |
| 25° | 48115  | 48419  | 48115  |
| 30° | 29631  | 29850  | 29631  |
| 35° | 18333  | 18438  | 18438  |
| 40° | 11646  | 11758  | 11758  |
| 45° | 7843   | 7989   | 8111   |
| 50° | 5653   | 5814   | 5814   |
| 55° | 4444   | 4444   | 4444   |
| 60° | 3651   | 3651   | 3651   |
| 65° | 3219   | 3219   | 3219   |
| 70° | 2921   | 2921   | 2921   |
| 75° | 2462   | 2462   | 2462   |
| 80° | 2083   | 2083   | 2083   |
| 85° | 988    | 988    | 2174   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8111 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 83.6   | 17.5      |
| 10°-20°   | 164.6  | 34.5      |
| 20°-30°   | 118.7  | 24.9      |
| 30°-40°   | 57.2   | 12.0      |
| 40°-50°   | 26.4   | 5.5       |
| 50°-60°   | 13.7   | 2.9       |
| 60°-70°   | 7.9    | 1.7       |
| 70°-80°   | 4.0    | 0.8       |
| 80°-90°   | 0.9    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 366.9  | 76.9      |
| 0°-40°    | 424.1  | 88.9      |
| 0°-60°    | 464.2  | 97.3      |
| 0°-90°    | 477.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 477.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 967 | 967   | 967 | 967   | 967 |      |
| 5°  | 921 | 923   | 919 | 920   | 921 | 84   |
| 15° | 607 | 606   | 602 | 600   | 593 | 166  |
| 25° | 253 | 254   | 255 | 255   | 253 | 119  |
| 35° | 87  | 87    | 88  | 88    | 88  | 57   |
| 45° | 32  | 33    | 33  | 33    | 33  | 26   |
| 55° | 15  | 15    | 15  | 15    | 15  | 13   |
| 65° | 8   | 8     | 8   | 8     | 8   | 8    |
| 75° | 4   | 4     | 4   | 4     | 4   | 4    |
| 85° | 0   | 0     | 0   | 0     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 967.2 | 967.2 | 967.2 | 967.2 | 967.2 |
| 1°    | 964.6 | 966.2 | 965.6 | 966.2 | 965.6 |
| 2°    | 959.8 | 960.9 | 959.8 | 960.3 | 960.3 |
| 3°    | 949.8 | 950.8 | 950.8 | 950.3 | 949.8 |
| 4°    | 937.6 | 940.3 | 937.6 | 938.1 | 936.6 |
| 5°    | 920.7 | 922.8 | 919.1 | 919.6 | 920.7 |
| 6°    | 900.1 | 900.6 | 899.6 | 899.0 | 898.0 |
| 7°    | 876.3 | 878.4 | 874.7 | 875.2 | 874.2 |
| 8°    | 850.9 | 850.4 | 850.4 | 848.3 | 845.1 |
| 9°    | 820.3 | 822.4 | 819.2 | 818.2 | 818.7 |
| 10°   | 790.2 | 790.2 | 787.5 | 784.9 | 786.5 |
| 11°   | 755.8 | 754.7 | 753.2 | 749.5 | 748.4 |
| 12°   | 718.3 | 720.4 | 715.6 | 714.0 | 710.3 |
| 13°   | 679.7 | 682.9 | 680.7 | 674.9 | 675.5 |
| 14°   | 643.7 | 641.6 | 640.0 | 639.0 | 635.3 |
| 15°   | 607.3 | 606.2 | 602.5 | 599.9 | 593.0 |
| 17.5° | 507.4 | 508.4 | 501.6 | 500.5 | 497.9 |
| 20°   | 413.3 | 410.1 | 409.6 | 410.1 | 407.0 |
| 22.5° | 326.1 | 329.3 | 325.6 | 326.1 | 324.0 |
| 25°   | 253.2 | 253.7 | 254.8 | 254.8 | 253.2 |
| 27.5° | 196.6 | 196.6 | 195.6 | 196.6 | 195.0 |
| 30°   | 149.0 | 149.0 | 150.1 | 151.2 | 149.0 |
| 32.5° | 115.2 | 115.2 | 115.2 | 115.7 | 116.3 |
| 35°   | 87.2  | 87.2  | 87.7  | 87.7  | 87.7  |
| 37.5° | 67.1  | 67.7  | 68.2  | 68.2  | 68.2  |
| 40°   | 51.8  | 52.3  | 52.3  | 52.9  | 52.3  |
| 42.5° | 41.2  | 41.2  | 41.2  | 41.8  | 41.8  |
| 45°   | 32.2  | 32.8  | 32.8  | 33.3  | 33.3  |
| 47.5° | 26.4  | 26.4  | 26.4  | 27.0  | 27.0  |
| 50°   | 21.1  | 21.7  | 21.7  | 21.7  | 21.7  |
| 52.5° | 17.4  | 17.4  | 18.0  | 18.0  | 18.0  |
| 55°   | 14.8  | 14.8  | 14.8  | 14.8  | 14.8  |
| 57.5° | 12.2  | 12.7  | 12.7  | 12.7  | 12.7  |
| 60°   | 10.6  | 10.6  | 10.6  | 10.6  | 10.6  |
| 62.5° | 9.0   | 9.0   | 9.0   | 9.0   | 9.0   |
| 65°   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   |
| 67.5° | 6.3   | 6.9   | 6.9   | 6.9   | 6.9   |
| 70°   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   |
| 72.5° | 4.2   | 4.8   | 4.8   | 4.8   | 4.8   |
| 75°   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 77.5° | 3.2   | 2.6   | 2.6   | 2.6   | 3.2   |
| 80°   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
| 82.5° | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 85°   | 0.5   | 0.5   | 0.5   | 0.5   | 1.1   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.5   | 0.5   |



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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)