

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: P1326639

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQPHRLD1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326639  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQPHRLD1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

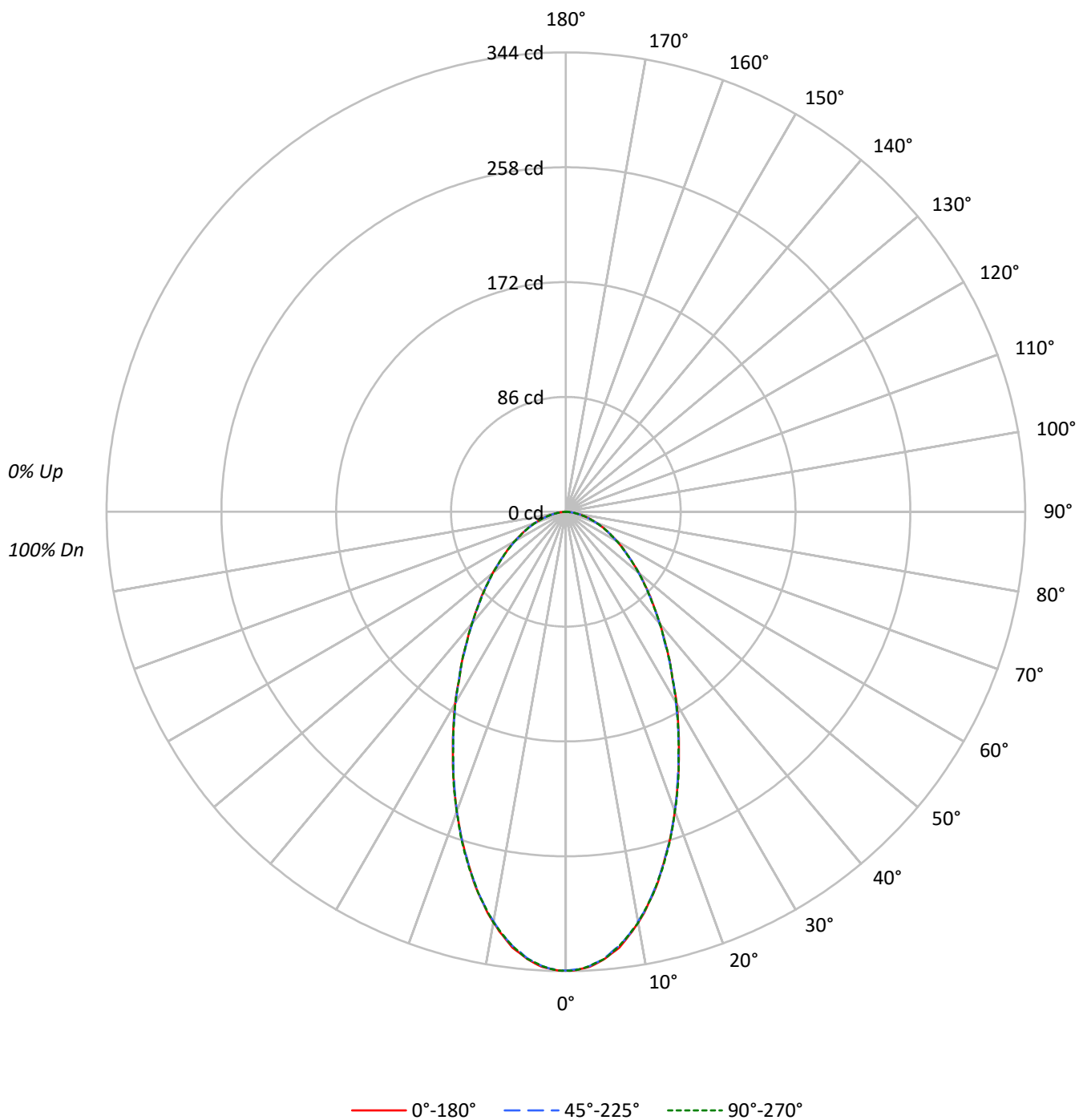
Lumens per Lamp: N/A  
Luminaire Lumens: 459.0 lumens  
Efficiency: N/A  
Efficacy: 51.0 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 88  |    |    |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 84  | 81  | 79  | 77  |    |    |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |    |    |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |    |    |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 65  | 60  | 56  | 54  |    |    |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 46  | 55  | 50  | 46  | 44  |    |    |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |    |    |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 44  | 39  | 48  | 43  | 39  | 38  |    |    |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 45  | 40  | 36  | 35  |    |    |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 59176 | 59176 | 59176 |
| 5°  | 58071 | 57967 | 58071 |
| 10° | 54597 | 54492 | 54597 |
| 15° | 49424 | 49424 | 49531 |
| 20° | 43748 | 43748 | 43748 |
| 25° | 38043 | 37929 | 37929 |
| 30° | 32992 | 32753 | 32872 |
| 35° | 28404 | 28278 | 28404 |
| 40° | 24640 | 24505 | 24640 |
| 45° | 21652 | 21506 | 21506 |
| 50° | 19211 | 19050 | 19050 |
| 55° | 16905 | 16905 | 16905 |
| 60° | 15293 | 15087 | 15293 |
| 65° | 13774 | 13774 | 13774 |
| 70° | 12236 | 12236 | 12236 |
| 75° | 11046 | 10647 | 11046 |
| 80° | 9422  | 9422  | 9422  |
| 85° | 5928  | 5928  | 5928  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21652 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.3   | 6.8       |
| 10°-20°   | 77.3   | 16.8      |
| 20°-30°   | 91.9   | 20.0      |
| 30°-40°   | 84.4   | 18.4      |
| 40°-50°   | 68.6   | 14.9      |
| 50°-60°   | 50.7   | 11.1      |
| 60°-70°   | 33.5   | 7.3       |
| 70°-80°   | 17.4   | 3.8       |
| 80°-90°   | 3.9    | 0.9       |
| 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°    | 200.5  | 43.7      |
| 0°-40°    | 284.9  | 62.1      |
| 0°-60°    | 404.2  | 88.1      |
| 0°-90°    | 459.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 459.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 344 | 344   | 344 | 344   | 344 |      |
| 5°  | 336 | 335   | 335 | 335   | 336 | 31   |
| 15° | 277 | 277   | 277 | 277   | 278 | 77   |
| 25° | 200 | 200   | 200 | 200   | 200 | 92   |
| 35° | 135 | 134   | 134 | 135   | 135 | 85   |
| 45° | 89  | 88    | 88  | 88    | 88  | 69   |
| 55° | 56  | 56    | 56  | 56    | 56  | 51   |
| 65° | 34  | 34    | 34  | 34    | 34  | 34   |
| 75° | 17  | 17    | 16  | 17    | 17  | 18   |
| 85° | 3   | 3     | 3   | 3     | 3   | 4    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 343.6 | 343.6 | 343.6 | 343.6 | 343.6 |
| 1°    | 343.6 | 343.0 | 343.0 | 343.0 | 343.6 |
| 2°    | 342.4 | 342.4 | 342.4 | 342.4 | 342.4 |
| 3°    | 341.2 | 340.6 | 340.6 | 340.6 | 340.6 |
| 4°    | 338.8 | 338.2 | 338.2 | 338.2 | 338.2 |
| 5°    | 335.9 | 335.3 | 335.3 | 335.3 | 335.9 |
| 6°    | 332.3 | 331.7 | 331.1 | 331.1 | 331.7 |
| 7°    | 328.8 | 327.6 | 327.6 | 327.6 | 327.6 |
| 8°    | 323.4 | 322.8 | 322.8 | 322.8 | 322.8 |
| 9°    | 318.1 | 316.9 | 317.5 | 317.5 | 317.5 |
| 10°   | 312.2 | 311.6 | 311.6 | 311.6 | 312.2 |
| 11°   | 306.3 | 305.7 | 305.7 | 305.1 | 305.7 |
| 12°   | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 |
| 13°   | 292.6 | 292.0 | 292.0 | 292.0 | 292.6 |
| 14°   | 285.5 | 284.9 | 284.9 | 284.9 | 284.9 |
| 15°   | 277.2 | 277.2 | 277.2 | 277.2 | 277.8 |
| 17.5° | 258.3 | 257.7 | 258.3 | 258.3 | 258.9 |
| 20°   | 238.7 | 238.1 | 238.7 | 238.7 | 238.7 |
| 22.5° | 219.2 | 219.2 | 218.6 | 219.2 | 219.8 |
| 25°   | 200.2 | 199.6 | 199.6 | 200.2 | 199.6 |
| 27.5° | 182.5 | 181.9 | 181.9 | 181.9 | 181.9 |
| 30°   | 165.9 | 164.7 | 164.7 | 165.3 | 165.3 |
| 32.5° | 148.7 | 148.7 | 149.3 | 148.7 | 148.7 |
| 35°   | 135.1 | 134.5 | 134.5 | 135.1 | 135.1 |
| 37.5° | 121.4 | 120.8 | 120.8 | 121.4 | 121.4 |
| 40°   | 109.6 | 109.6 | 109.0 | 109.6 | 109.6 |
| 42.5° | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| 45°   | 88.9  | 88.3  | 88.3  | 88.3  | 88.3  |
| 47.5° | 79.4  | 79.4  | 79.4  | 78.8  | 79.4  |
| 50°   | 71.7  | 71.1  | 71.1  | 71.1  | 71.1  |
| 52.5° | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  |
| 55°   | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  |
| 57.5° | 50.4  | 49.8  | 49.8  | 49.8  | 49.8  |
| 60°   | 44.4  | 44.4  | 43.8  | 44.4  | 44.4  |
| 62.5° | 38.5  | 38.5  | 38.5  | 38.5  | 38.5  |
| 65°   | 33.8  | 33.8  | 33.8  | 33.8  | 33.8  |
| 67.5° | 29.0  | 29.0  | 29.0  | 29.0  | 29.0  |
| 70°   | 24.3  | 24.3  | 24.3  | 24.3  | 24.3  |
| 72.5° | 20.7  | 20.1  | 20.1  | 20.1  | 20.1  |
| 75°   | 16.6  | 16.6  | 16.0  | 16.6  | 16.6  |
| 77.5° | 12.4  | 12.4  | 12.4  | 12.4  | 12.4  |
| 80°   | 9.5   | 9.5   | 9.5   | 8.9   | 9.5   |
| 82.5° | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 85°   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 87.5° | 0.6   | 0.6   | 0.6   | 1.2   | 1.2   |



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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)