

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: P1326591

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCDR1MMS\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326591  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQCDR1MMS\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

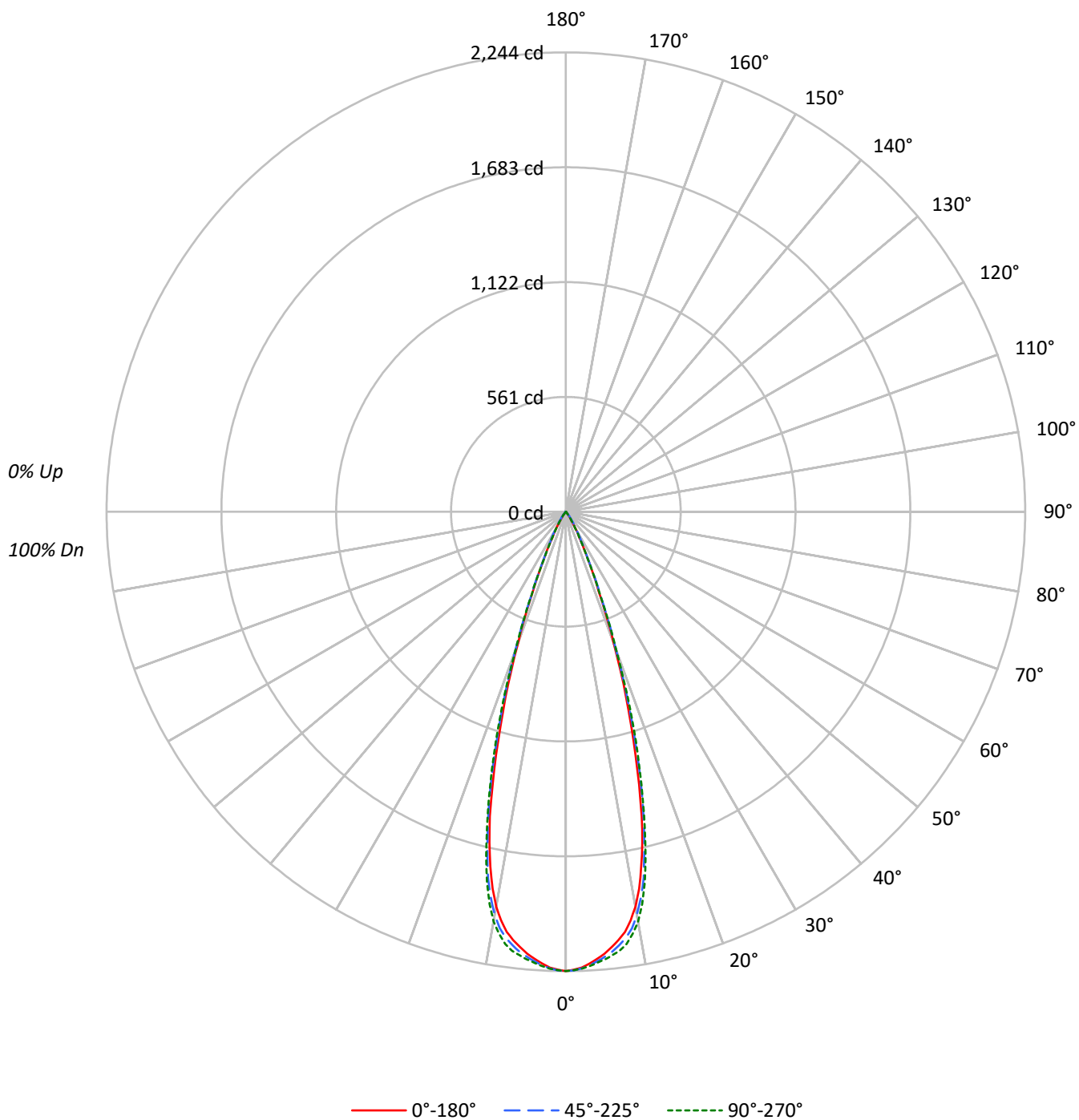
Lumens per Lamp: N/A  
Luminaire Lumens: 747.0 lumens  
Efficiency: N/A  
Efficacy: 83.0 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 96  | 95 | 94 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  | 93  | 92 | 91 |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 96  | 94  | 92  | 94  | 92  | 91  | 89  | 88 | 87 |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 88  | 92  | 89  | 87  | 86  | 85 | 84 |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 84  | 82  | 80  | 79 | 78 |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 77  | 76 | 75 |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 81  | 79  | 76  | 74  | 73 | 72 |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  | 80  | 77  | 74  | 79  | 76  | 74  | 71  | 70 | 69 |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 77  | 74  | 72  | 69  | 67 | 65 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 386399 | 386399 | 386399 |
| 5°  | 374667 | 377329 | 379386 |
| 10° | 342379 | 349619 | 355617 |
| 15° | 246212 | 256981 | 259085 |
| 20° | 125360 | 131647 | 131958 |
| 25° | 47564  | 48571  | 47222  |
| 30° | 18475  | 21418  | 17997  |
| 35° | 6349   | 9945   | 5971   |
| 40° | 2136   | 3867   | 2001   |
| 45° | 146    | 1291   | 146    |
| 50° | 0      | 161    | 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: 1291 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 203.1  | 27.2      |
| 10°-20°   | 378.4  | 50.7      |
| 20°-30°   | 136.0  | 18.2      |
| 30°-40°   | 26.5   | 3.6       |
| 40°-50°   | 3.0    | 0.4       |
| 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°    | 717.5  | 96.0      |
| 0°-40°    | 744.0  | 99.6      |
| 0°-60°    | 747.0  | 100.0     |
| 0°-90°    | 747.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 747.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2244 | 2244  | 2244 | 2244  | 2244 |      |
| 5°  | 2167 | 2173  | 2183 | 2193  | 2194 | 201  |
| 15° | 1381 | 1404  | 1441 | 1451  | 1453 | 367  |
| 25° | 250  | 253   | 256  | 254   | 248  | 131  |
| 35° | 30   | 34    | 47   | 35    | 28   | 22   |
| 45° | 1    | 2     | 5    | 2     | 1    | 2    |
| 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°    | 2243.6 | 2243.6 | 2243.6 | 2243.6 | 2243.6 |
| 1°    | 2237.1 | 2240.0 | 2240.6 | 2244.7 | 2240.0 |
| 2°    | 2227.6 | 2229.4 | 2231.7 | 2235.3 | 2232.9 |
| 3°    | 2209.2 | 2212.8 | 2218.1 | 2222.9 | 2222.9 |
| 4°    | 2189.7 | 2194.5 | 2201.0 | 2209.2 | 2208.7 |
| 5°    | 2167.2 | 2173.2 | 2182.6 | 2192.7 | 2194.5 |
| 6°    | 2138.8 | 2145.9 | 2161.3 | 2175.5 | 2177.9 |
| 7°    | 2108.7 | 2119.3 | 2134.1 | 2154.8 | 2160.1 |
| 8°    | 2073.2 | 2081.4 | 2102.7 | 2127.0 | 2132.9 |
| 9°    | 2021.1 | 2033.5 | 2060.7 | 2083.2 | 2086.8 |
| 10°   | 1957.8 | 1966.7 | 1999.2 | 2022.9 | 2033.5 |
| 11°   | 1876.1 | 1889.2 | 1921.1 | 1945.4 | 1952.5 |
| 12°   | 1772.0 | 1790.9 | 1828.2 | 1846.0 | 1851.9 |
| 13°   | 1659.6 | 1675.6 | 1704.6 | 1726.5 | 1731.2 |
| 14°   | 1533.0 | 1548.4 | 1578.5 | 1596.3 | 1592.1 |
| 15°   | 1380.9 | 1404.0 | 1441.3 | 1451.3 | 1453.1 |
| 17.5° | 1020.0 | 1034.8 | 1067.9 | 1083.9 | 1095.2 |
| 20°   | 684.0  | 698.2  | 718.3  | 728.9  | 720.0  |
| 22.5° | 415.9  | 427.8  | 438.4  | 437.8  | 434.9  |
| 25°   | 250.3  | 252.6  | 255.6  | 253.8  | 248.5  |
| 27.5° | 146.1  | 152.6  | 161.5  | 155.6  | 146.7  |
| 30°   | 92.9   | 98.2   | 107.7  | 97.6   | 90.5   |
| 32.5° | 49.1   | 62.1   | 72.2   | 58.6   | 51.5   |
| 35°   | 30.2   | 34.3   | 47.3   | 34.9   | 28.4   |
| 37.5° | 18.3   | 21.3   | 29.6   | 20.7   | 16.6   |
| 40°   | 9.5    | 13.6   | 17.2   | 12.4   | 8.9    |
| 42.5° | 3.0    | 6.5    | 9.5    | 5.9    | 3.0    |
| 45°   | 0.6    | 1.8    | 5.3    | 1.8    | 0.6    |
| 47.5° | 0.0    | 0.0    | 2.4    | 0.6    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.6    | 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)