

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: P1325777

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQCDR1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1325777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQCDR1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

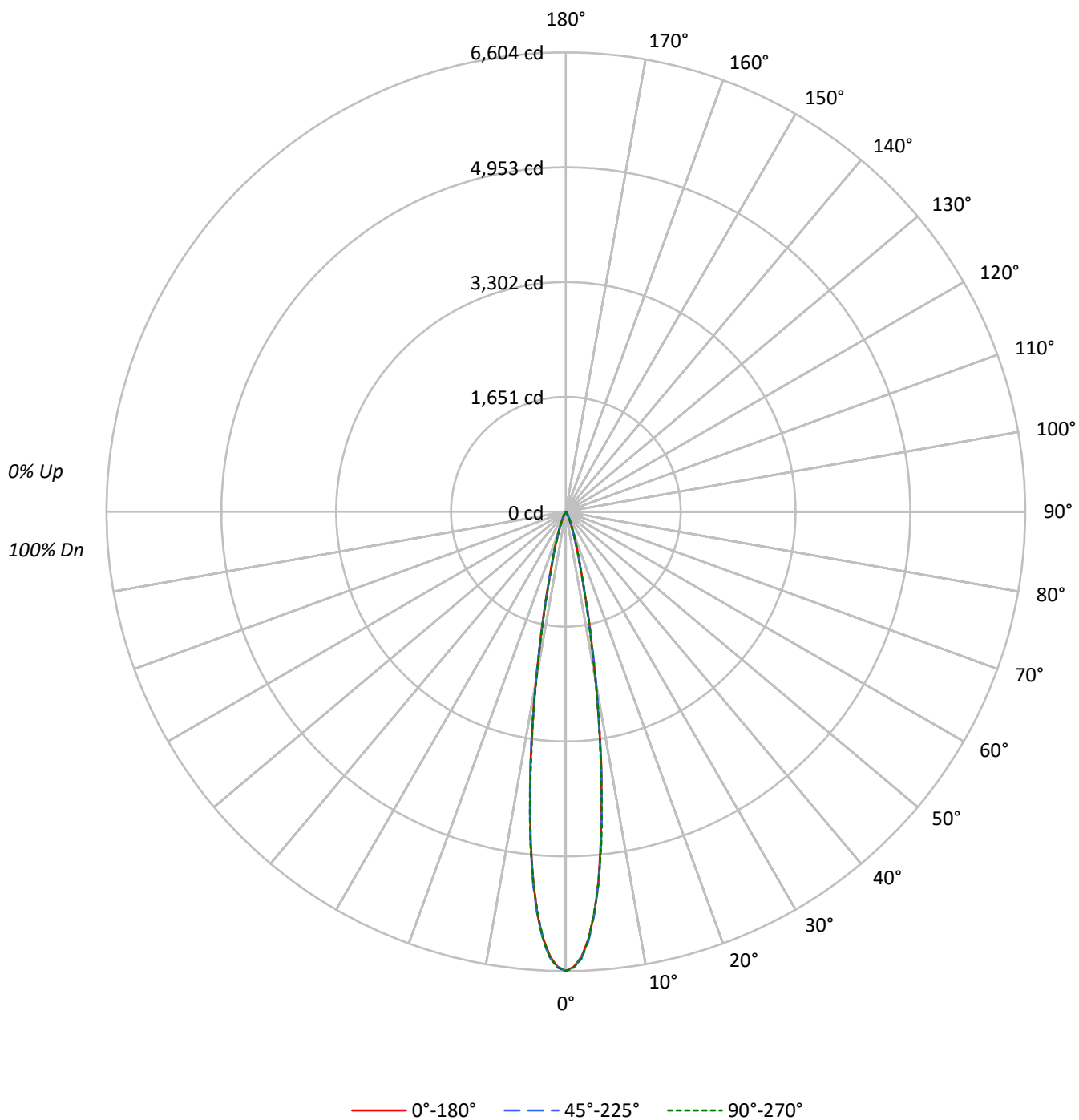
Lumens per Lamp: N/A  
Luminaire Lumens: 737.0 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1325777

CATALOG NUMBER: LDSQA3D09R15W2N902750DE010 3LSQCDR1MB\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1325777

CATALOG NUMBER: LDSQA3D09R15W2N902750DE010 3LSQCDR1MB\_3000K

**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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1137272 | 1137272 | 1137272 |
| 5°  | 925948  | 928973  | 927158  |
| 10° | 431935  | 435800  | 430308  |
| 15° | 135631  | 136772  | 135952  |
| 20° | 53736   | 55881   | 52032   |
| 25° | 21720   | 26262   | 20941   |
| 30° | 8690    | 11932   | 8233    |
| 35° | 2565    | 5277    | 2460    |
| 40° | 787     | 1956    | 652     |
| 45° | 146     | 414     | 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: 414 cd/sqm

TEST NUMBER: P1325777

CATALOG NUMBER: LDSQA3D09R15W2N902750DE010 3LSQCDR1MB\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 413.4  | 56.1      |
| 10°-20°   | 247.3  | 33.6      |
| 20°-30°   | 62.4   | 8.5       |
| 30°-40°   | 12.7   | 1.7       |
| 40°-50°   | 1.2    | 0.2       |
| 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°    | 723.1  | 98.1      |
| 0°-40°    | 735.8  | 99.8      |
| 0°-60°    | 737.0  | 100.0     |
| 0°-90°    | 737.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 737.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6604 | 6604  | 6604 | 6604  | 6604 |      |
| 5°  | 5356 | 5346  | 5374 | 5360  | 5363 | 412  |
| 15° | 761  | 767   | 767  | 756   | 762  | 247  |
| 25° | 114  | 125   | 138  | 122   | 110  | 59   |
| 35° | 12   | 16    | 25   | 16    | 12   | 10   |
| 45° | 1    | 1     | 2    | 1     | 1    | 1    |
| 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    |      |

TEST NUMBER: P1325777

CATALOG NUMBER: LDSQA3D09R15W2N902750DE010 3LSQCDR1MB\_3000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 6603.5 | 6603.5 | 6603.5 | 6603.5 | 6603.5 |
| 1°    | 6544.0 | 6566.2 | 6554.5 | 6563.9 | 6553.4 |
| 2°    | 6402.4 | 6432.1 | 6422.8 | 6419.9 | 6428.0 |
| 3°    | 6152.9 | 6187.3 | 6186.1 | 6177.4 | 6163.4 |
| 4°    | 5812.5 | 5798.5 | 5820.0 | 5817.7 | 5793.8 |
| 5°    | 5356.0 | 5346.1 | 5373.5 | 5360.1 | 5363.0 |
| 6°    | 4797.6 | 4840.7 | 4831.4 | 4832.5 | 4843.6 |
| 7°    | 4197.7 | 4221.0 | 4240.9 | 4257.2 | 4234.4 |
| 8°    | 3646.8 | 3641.0 | 3642.8 | 3661.4 | 3598.5 |
| 9°    | 3030.1 | 3066.2 | 3042.9 | 3005.6 | 3029.5 |
| 10°   | 2469.9 | 2492.0 | 2492.0 | 2459.4 | 2460.6 |
| 11°   | 1969.2 | 1987.2 | 1974.4 | 1982.6 | 1931.3 |
| 12°   | 1587.3 | 1542.4 | 1532.0 | 1540.1 | 1539.5 |
| 13°   | 1211.9 | 1214.8 | 1211.9 | 1211.3 | 1205.5 |
| 14°   | 950.2  | 965.3  | 958.9  | 943.2  | 936.2  |
| 15°   | 760.7  | 767.1  | 767.1  | 756.1  | 762.5  |
| 17.5° | 457.0  | 464.6  | 466.3  | 458.8  | 458.8  |
| 20°   | 293.2  | 296.7  | 304.9  | 293.8  | 283.9  |
| 22.5° | 180.7  | 188.3  | 202.3  | 186.0  | 177.8  |
| 25°   | 114.3  | 124.7  | 138.2  | 122.4  | 110.2  |
| 27.5° | 71.7   | 80.4   | 92.1   | 76.9   | 69.4   |
| 30°   | 43.7   | 49.5   | 60.0   | 48.4   | 41.4   |
| 32.5° | 24.5   | 29.1   | 37.9   | 28.0   | 23.3   |
| 35°   | 12.2   | 16.3   | 25.1   | 15.7   | 11.7   |
| 37.5° | 7.0    | 8.7    | 15.7   | 7.6    | 6.4    |
| 40°   | 3.5    | 4.7    | 8.7    | 4.7    | 2.9    |
| 42.5° | 1.2    | 2.3    | 3.5    | 2.3    | 1.2    |
| 45°   | 0.6    | 1.2    | 1.7    | 1.2    | 0.6    |
| 47.5° | 0.0    | 0.0    | 0.6    | 0.0    | 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    |



TEST NUMBER: P1325777

CATALOG NUMBER: LDSQA3D09R15W2N902750DE010 3LSQCDR1MB\_3000K

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)