

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: P1311296

Luminaire Tested: LDSQA3D09R259040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

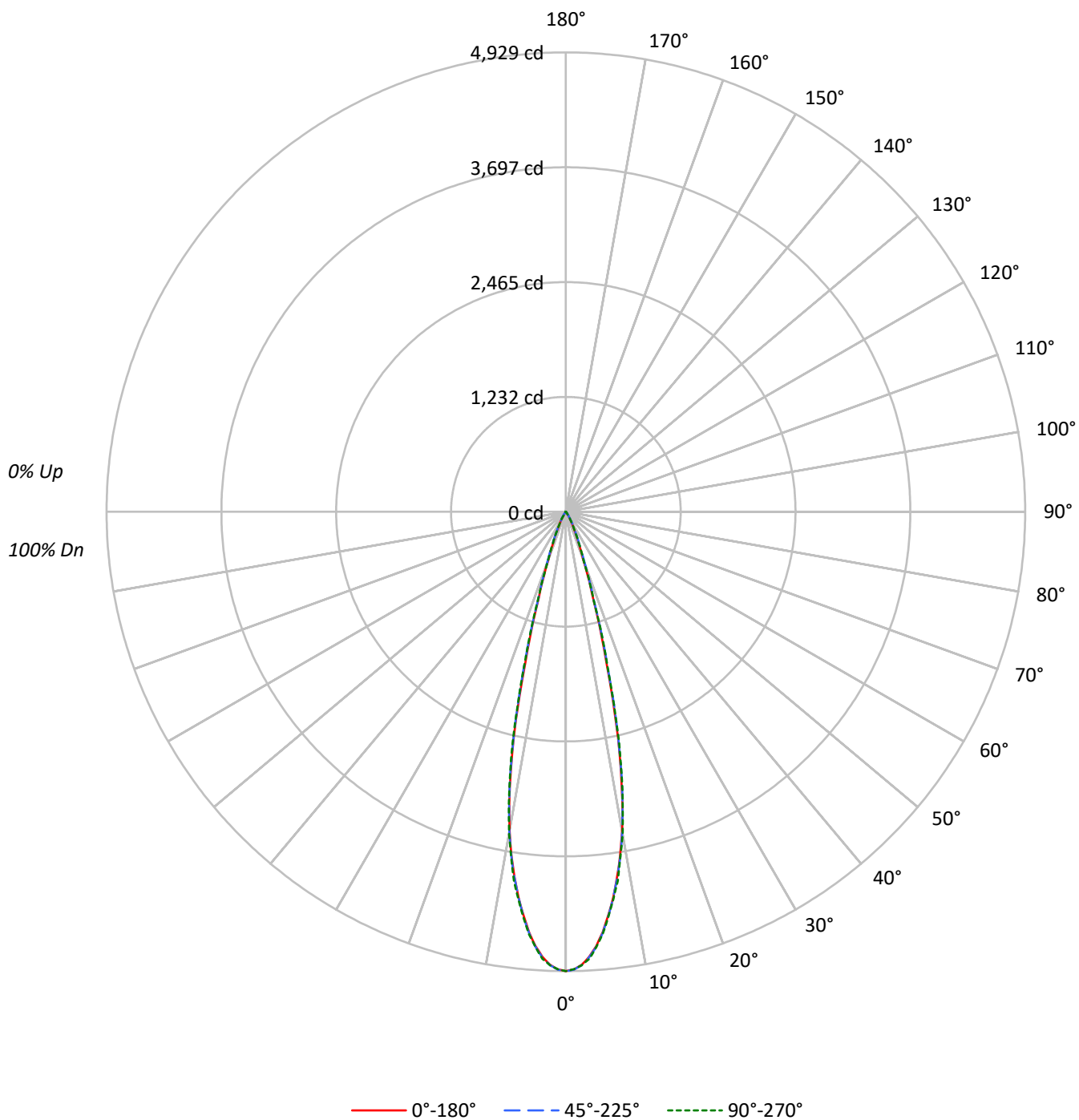
Lumens per Lamp: N/A  
Luminaire Lumens: 1026.0 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  |     |     |     |    | 0  |
| 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 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 87 | 87 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 80  | 80 | 80 |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  | 78 | 78 |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 77  | 77 | 77 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 848903 | 848903 | 848903 |
| 5°  | 782734 | 784514 | 786140 |
| 10° | 607741 | 609945 | 613250 |
| 15° | 300343 | 312966 | 313109 |
| 20° | 101131 | 107913 | 103147 |
| 25° | 41882  | 46519  | 43079  |
| 30° | 16426  | 20662  | 16585  |
| 35° | 4310   | 8431   | 4478   |
| 40° | 1596   | 3372   | 1596   |
| 45° | 195    | 950    | 195    |
| 50° | 0      | 214    | 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: 950 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 399.4  | 38.9      |
| 10°-20°   | 483.1  | 47.1      |
| 20°-30°   | 118.0  | 11.5      |
| 30°-40°   | 22.9   | 2.2       |
| 40°-50°   | 2.6    | 0.3       |
| 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       |
| 0°-30°    | 1000.5 | 97.5      |
| 0°-40°    | 1023.4 | 99.7      |
| 0°-60°    | 1026.0 | 100.0     |
| 0°-90°    | 1026.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1026.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4929 | 4929  | 4929 | 4929  | 4929 |      |
| 5°  | 4528 | 4534  | 4538 | 4558  | 4547 | 398  |
| 15° | 1684 | 1725  | 1755 | 1773  | 1756 | 474  |
| 25° | 220  | 232   | 245  | 235   | 227  | 112  |
| 35° | 20   | 29    | 40   | 29    | 21   | 18   |
| 45° | 1    | 2     | 4    | 2     | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4929.1 | 4929.1 | 4929.1 | 4929.1 | 4929.1 |
| 1°    | 4910.2 | 4913.3 | 4914.1 | 4918.8 | 4909.4 |
| 2°    | 4865.3 | 4866.1 | 4868.5 | 4877.9 | 4869.2 |
| 3°    | 4782.7 | 4788.2 | 4789.0 | 4801.6 | 4803.9 |
| 4°    | 4670.1 | 4673.3 | 4679.5 | 4700.8 | 4681.9 |
| 5°    | 4527.6 | 4533.9 | 4537.9 | 4557.5 | 4547.3 |
| 6°    | 4351.3 | 4352.9 | 4361.5 | 4384.4 | 4370.2 |
| 7°    | 4171.8 | 4171.1 | 4171.8 | 4189.9 | 4186.0 |
| 8°    | 3955.4 | 3951.4 | 3964.0 | 3986.1 | 4001.0 |
| 9°    | 3729.5 | 3735.0 | 3742.9 | 3764.1 | 3746.8 |
| 10°   | 3475.2 | 3490.2 | 3487.8 | 3489.4 | 3506.7 |
| 11°   | 3182.4 | 3187.1 | 3187.9 | 3204.4 | 3202.1 |
| 12°   | 2838.4 | 2838.4 | 2864.4 | 2891.2 | 2882.5 |
| 13°   | 2491.3 | 2515.7 | 2498.4 | 2503.9 | 2538.5 |
| 14°   | 2086.7 | 2105.6 | 2129.2 | 2151.3 | 2133.9 |
| 15°   | 1684.5 | 1724.6 | 1755.3 | 1772.6 | 1756.1 |
| 17.5° | 965.0  | 978.4  | 1004.4 | 1007.5 | 997.3  |
| 20°   | 551.8  | 568.3  | 588.8  | 582.5  | 562.8  |
| 22.5° | 347.1  | 351.9  | 372.3  | 362.1  | 357.4  |
| 25°   | 220.4  | 232.2  | 244.8  | 234.6  | 226.7  |
| 27.5° | 137.0  | 144.8  | 158.2  | 147.2  | 138.5  |
| 30°   | 82.6   | 89.7   | 103.9  | 88.9   | 83.4   |
| 32.5° | 43.3   | 53.5   | 65.3   | 54.3   | 43.3   |
| 35°   | 20.5   | 29.1   | 40.1   | 29.1   | 21.3   |
| 37.5° | 12.6   | 15.7   | 24.4   | 15.7   | 12.6   |
| 40°   | 7.1    | 10.2   | 15.0   | 10.2   | 7.1    |
| 42.5° | 3.1    | 5.5    | 7.1    | 5.5    | 3.9    |
| 45°   | 0.8    | 2.4    | 3.9    | 2.4    | 0.8    |
| 47.5° | 0.0    | 0.0    | 2.4    | 0.8    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.8    | 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)