

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: P1309063

Luminaire Tested: LDSQA3D09R259030DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259030DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

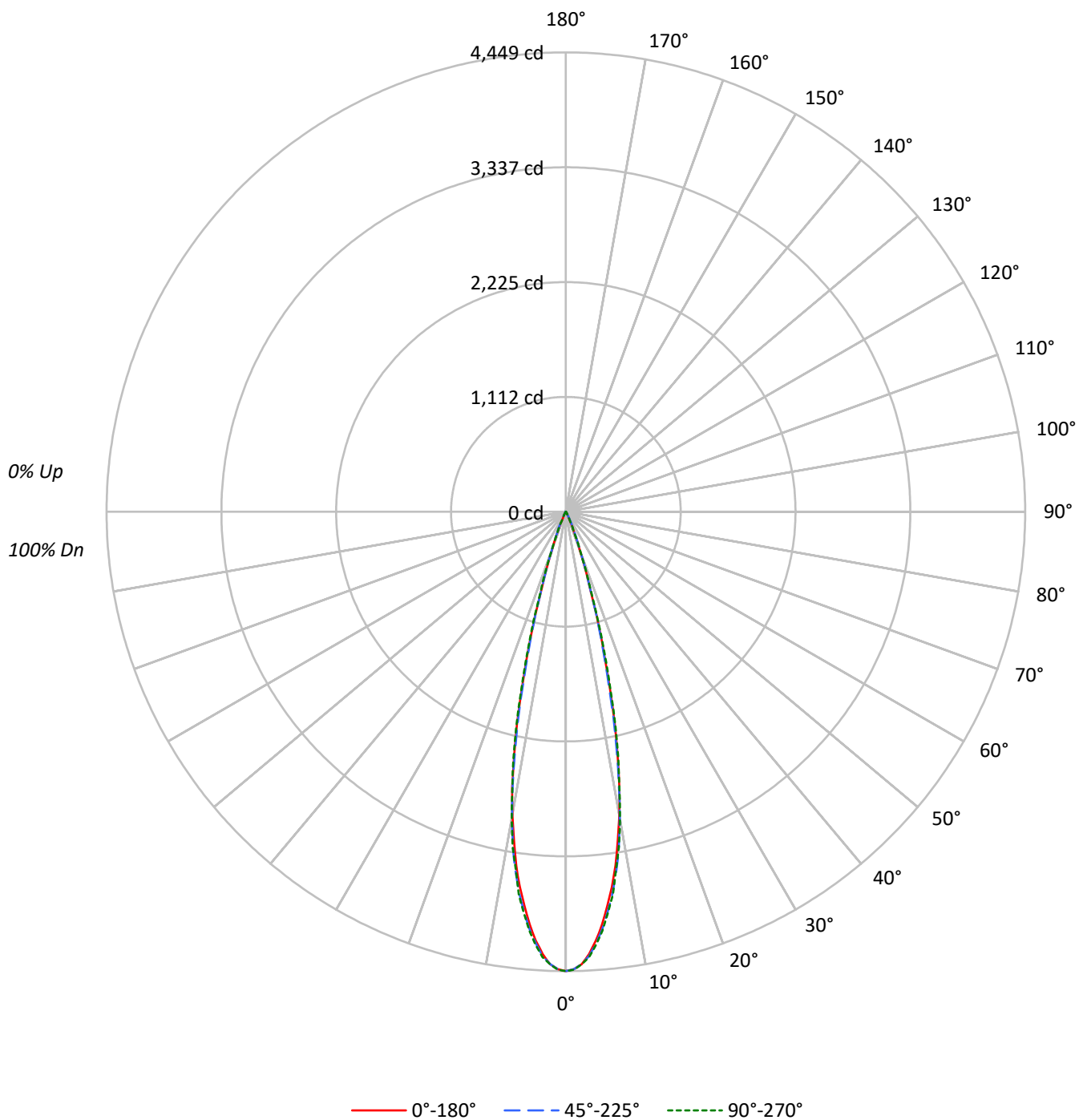
Lumens per Lamp: N/A  
Luminaire Lumens: 821.0 lumens  
Efficiency: N/A  
Efficacy: 74.0 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 766150 | 766150 | 766150 |
| 5°  | 694288 | 700616 | 704021 |
| 10° | 521928 | 525653 | 528083 |
| 15° | 258425 | 250723 | 267429 |
| 20° | 72980  | 74190  | 74996  |
| 25° | 12656  | 23924  | 15031  |
| 30° | 4952   | 5091   | 5250   |
| 35° | 1535   | 1703   | 1703   |
| 40° | 495    | 652    | 495    |
| 45° | 365    | 170    | 365    |
| 50° | 188    | 0      | 188    |
| 55° | 210    | 0      | 210    |
| 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: 0°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 353.4  | 43.0      |
| 10°-20°   | 398.5  | 48.5      |
| 20°-30°   | 61.8   | 7.5       |
| 30°-40°   | 6.3    | 0.8       |
| 40°-50°   | 0.8    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 813.7  | 99.1      |
| 0°-40°    | 820.0  | 99.9      |
| 0°-60°    | 821.0  | 100.0     |
| 0°-90°    | 821.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 821.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4449 | 4449  | 4449 | 4449  | 4449 |      |
| 5°  | 4016 | 4023  | 4053 | 4069  | 4072 | 350  |
| 15° | 1449 | 1439  | 1406 | 1469  | 1500 | 397  |
| 25° | 67   | 99    | 126  | 96    | 79   | 56   |
| 35° | 7    | 8     | 8    | 9     | 8    | 6    |
| 45° | 2    | 1     | 1    | 1     | 2    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4448.6 | 4448.6 | 4448.6 | 4448.6 | 4448.6 |
| 1°    | 4430.3 | 4436.2 | 4429.6 | 4436.9 | 4436.2 |
| 2°    | 4384.2 | 4390.0 | 4382.0 | 4386.4 | 4386.4 |
| 3°    | 4289.8 | 4302.2 | 4309.5 | 4314.6 | 4319.0 |
| 4°    | 4165.3 | 4179.2 | 4190.2 | 4203.4 | 4203.4 |
| 5°    | 4016.0 | 4023.3 | 4052.6 | 4068.7 | 4072.3 |
| 6°    | 3838.1 | 3867.4 | 3889.3 | 3921.5 | 3901.8 |
| 7°    | 3660.2 | 3684.4 | 3715.1 | 3720.2 | 3734.1 |
| 8°    | 3458.2 | 3483.8 | 3512.3 | 3507.2 | 3495.5 |
| 9°    | 3212.2 | 3249.5 | 3283.2 | 3272.2 | 3286.9 |
| 10°   | 2984.5 | 3007.2 | 3005.8 | 2994.8 | 3019.7 |
| 11°   | 2720.3 | 2725.4 | 2696.8 | 2741.5 | 2714.4 |
| 12°   | 2406.9 | 2411.3 | 2374.7 | 2418.7 | 2446.5 |
| 13°   | 2106.8 | 2096.6 | 2046.1 | 2103.9 | 2139.0 |
| 14°   | 1761.3 | 1764.9 | 1700.5 | 1812.5 | 1803.7 |
| 15°   | 1449.4 | 1439.2 | 1406.2 | 1469.2 | 1499.9 |
| 17.5° | 772.3  | 778.9  | 770.8  | 802.3  | 822.1  |
| 20°   | 398.2  | 409.2  | 404.8  | 418.0  | 409.2  |
| 22.5° | 206.4  | 221.8  | 226.2  | 216.0  | 188.1  |
| 25°   | 66.6   | 98.8   | 125.9  | 95.9   | 79.1   |
| 27.5° | 40.3   | 39.5   | 61.5   | 42.5   | 43.2   |
| 30°   | 24.9   | 24.2   | 25.6   | 25.6   | 26.4   |
| 32.5° | 13.9   | 14.6   | 13.9   | 15.4   | 14.6   |
| 35°   | 7.3    | 8.1    | 8.1    | 8.8    | 8.1    |
| 37.5° | 4.4    | 5.1    | 5.1    | 5.1    | 4.4    |
| 40°   | 2.2    | 2.9    | 2.9    | 2.2    | 2.2    |
| 42.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 45°   | 1.5    | 0.7    | 0.7    | 0.7    | 1.5    |
| 47.5° | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 50°   | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 52.5° | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 55°   | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 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)