

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: P1308738

Luminaire Tested: LDSQA3D02R259030DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308738  
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: LDSQA3D02R259030DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

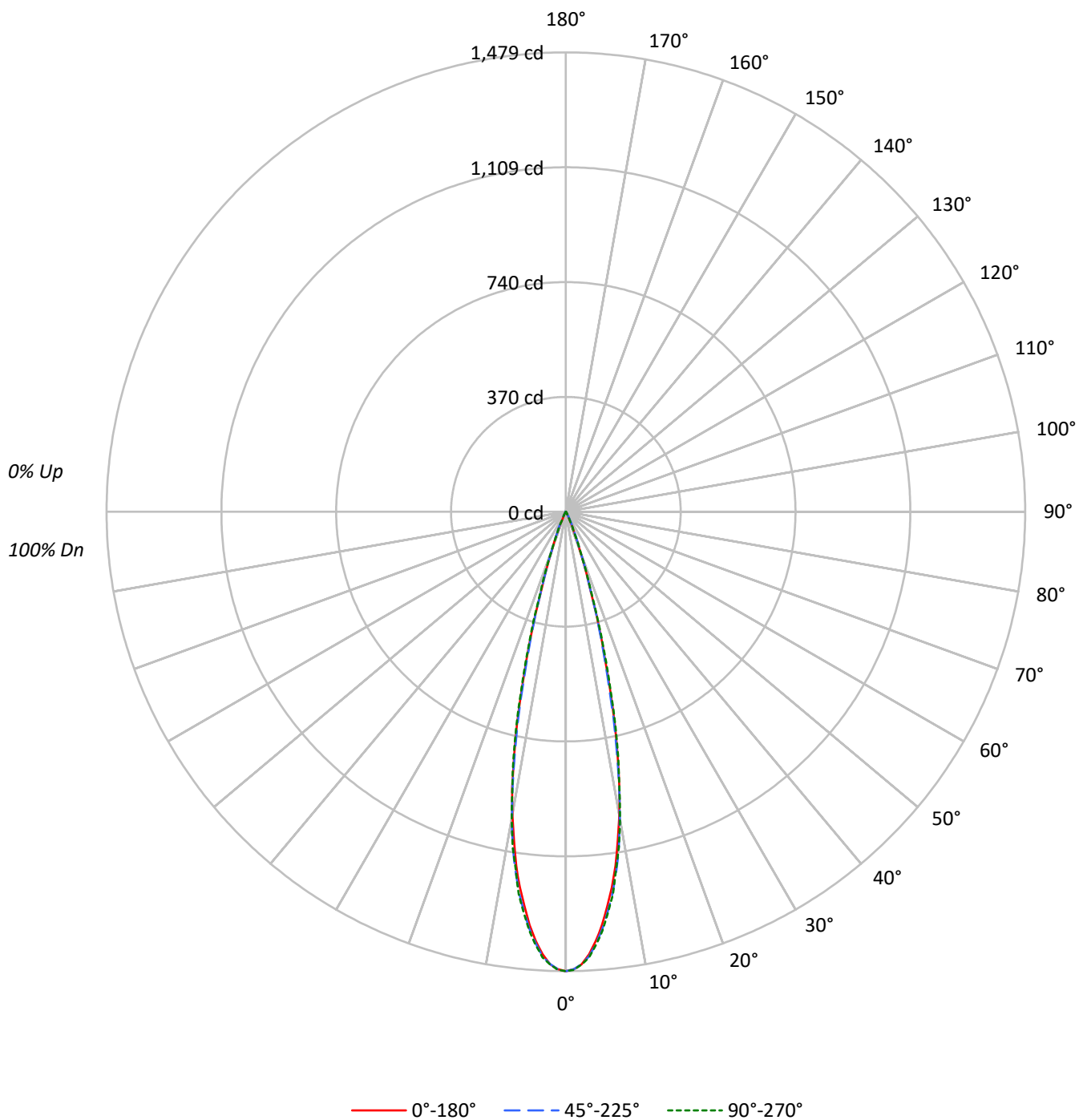
Lumens per Lamp: N/A  
Luminaire Lumens: 273.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 | 100 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  | 97  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  | 93  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  | 91  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  | 83  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 254769 | 254769 | 254769 |
| 5°  | 230865 | 232974 | 234097 |
| 10° | 173550 | 174792 | 175596 |
| 15° | 85940  | 83372  | 88935  |
| 20° | 24266  | 24669  | 24944  |
| 25° | 4219   | 7962   | 4998   |
| 30° | 1651   | 1690   | 1750   |
| 35° | 505    | 568    | 568    |
| 40° | 157    | 225    | 157    |
| 45° | 122    | 49     | 122    |
| 50° | 54     | 0      | 54     |
| 55° | 60     | 0      | 60     |
| 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: 122 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 117.5  | 43.0      |
| 10°-20°   | 132.5  | 48.5      |
| 20°-30°   | 20.6   | 7.5       |
| 30°-40°   | 2.1    | 0.8       |
| 40°-50°   | 0.3    | 0.1       |
| 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°    | 270.6  | 99.1      |
| 0°-40°    | 272.7  | 99.9      |
| 0°-60°    | 273.0  | 100.0     |
| 0°-90°    | 273.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 273.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1479 | 1479  | 1479 | 1479  | 1479 |      |
| 5°  | 1335 | 1338  | 1348 | 1353  | 1354 | 116  |
| 15° | 482  | 479   | 468  | 488   | 499  | 132  |
| 25° | 22   | 33    | 42   | 32    | 26   | 19   |
| 35° | 2    | 3     | 3    | 3     | 3    | 2    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 1479.3 | 1479.3 | 1479.3 | 1479.3 | 1479.3 |
| 1°    | 1473.2 | 1475.1 | 1472.9 | 1475.4 | 1475.1 |
| 2°    | 1457.8 | 1459.8 | 1457.1 | 1458.6 | 1458.6 |
| 3°    | 1426.4 | 1430.6 | 1433.0 | 1434.7 | 1436.2 |
| 4°    | 1385.1 | 1389.7 | 1393.3 | 1397.7 | 1397.7 |
| 5°    | 1335.4 | 1337.8 | 1347.6 | 1352.9 | 1354.1 |
| 6°    | 1276.2 | 1286.0 | 1293.3 | 1304.0 | 1297.4 |
| 7°    | 1217.1 | 1225.1 | 1235.4 | 1237.1 | 1241.7 |
| 8°    | 1149.9 | 1158.4 | 1167.9 | 1166.2 | 1162.3 |
| 9°    | 1068.1 | 1080.5 | 1091.7 | 1088.1 | 1093.0 |
| 10°   | 992.4  | 1000.0 | 999.5  | 995.8  | 1004.1 |
| 11°   | 904.5  | 906.2  | 896.8  | 911.6  | 902.6  |
| 12°   | 800.4  | 801.8  | 789.7  | 804.3  | 813.5  |
| 13°   | 700.6  | 697.2  | 680.4  | 699.6  | 711.3  |
| 14°   | 585.7  | 586.9  | 565.5  | 602.7  | 599.8  |
| 15°   | 482.0  | 478.6  | 467.6  | 488.5  | 498.8  |
| 17.5° | 256.8  | 259.0  | 256.3  | 266.8  | 273.4  |
| 20°   | 132.4  | 136.1  | 134.6  | 139.0  | 136.1  |
| 22.5° | 68.6   | 73.8   | 75.2   | 71.8   | 62.6   |
| 25°   | 22.2   | 32.9   | 41.9   | 31.9   | 26.3   |
| 27.5° | 13.4   | 13.1   | 20.4   | 14.1   | 14.4   |
| 30°   | 8.3    | 8.0    | 8.5    | 8.5    | 8.8    |
| 32.5° | 4.6    | 4.9    | 4.6    | 5.1    | 4.9    |
| 35°   | 2.4    | 2.7    | 2.7    | 2.9    | 2.7    |
| 37.5° | 1.5    | 1.7    | 1.7    | 1.7    | 1.5    |
| 40°   | 0.7    | 1.0    | 1.0    | 0.7    | 0.7    |
| 42.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 45°   | 0.5    | 0.2    | 0.2    | 0.2    | 0.5    |
| 47.5° | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 55°   | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 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)