

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: P1308720

Luminaire Tested: LDSQA3D02R209030DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209030DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

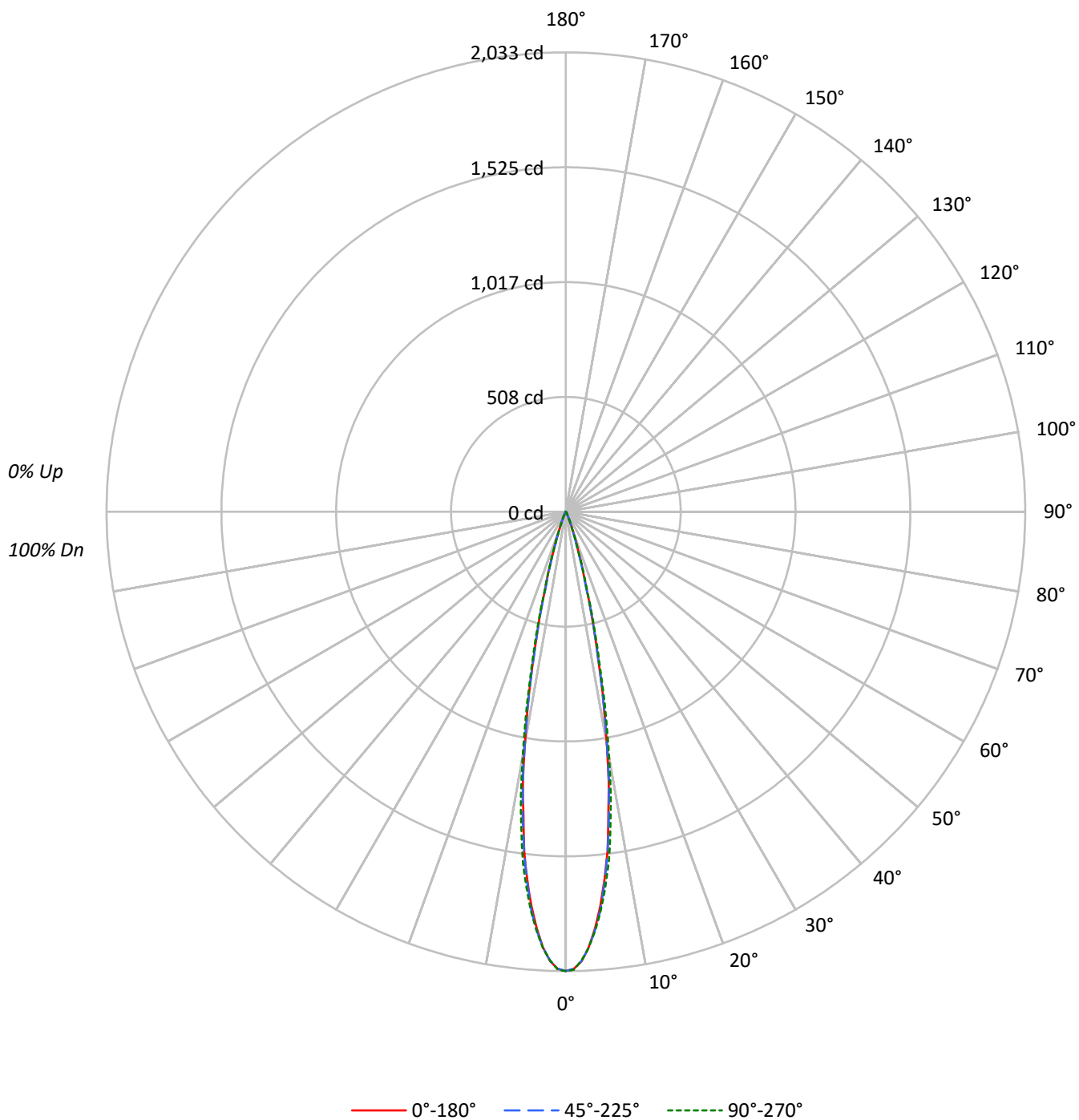
Lumens per Lamp: N/A  
Luminaire Lumens: 273.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |     |     | 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  | 92  | 92  | 92  | 91  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 89  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 89  | 87  | 85  | 85  | 85  | 85  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 84  | 84  | 83  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 350060 | 350060 | 350060 |
| 5°  | 302403 | 305221 | 306362 |
| 10° | 182050 | 183746 | 192892 |
| 15° | 62975  | 61495  | 66398  |
| 20° | 16531  | 15560  | 15597  |
| 25° | 3611   | 4352   | 4941   |
| 30° | 1551   | 1551   | 1591   |
| 35° | 862    | 757    | 820    |
| 40° | 382    | 427    | 495    |
| 45° | 122    | 170    | 170    |
| 50° | 54     | 54     | 54     |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 170 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 145.4  | 53.3      |
| 10°-20°   | 110.7  | 40.5      |
| 20°-30°   | 13.7   | 5.0       |
| 30°-40°   | 2.6    | 0.9       |
| 40°-50°   | 0.6    | 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       |
| 0°-30°    | 269.8  | 98.8      |
| 0°-40°    | 272.3  | 99.8      |
| 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°  | 2033 | 2033  | 2033 | 2033  | 2033 |      |
| 5°  | 1749 | 1748  | 1766 | 1764  | 1772 | 144  |
| 15° | 353  | 340   | 345  | 366   | 372  | 111  |
| 25° | 19   | 22    | 23   | 24    | 26   | 13   |
| 35° | 4    | 4     | 4    | 4     | 4    | 3    |
| 45° | 0    | 1     | 1    | 1     | 1    | 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°    | 2032.6 | 2032.6 | 2032.6 | 2032.6 | 2032.6 |
| 1°    | 2023.1 | 2020.6 | 2022.6 | 2018.5 | 2027.0 |
| 2°    | 1990.7 | 1988.3 | 1988.3 | 1985.9 | 1987.1 |
| 3°    | 1930.4 | 1934.3 | 1931.9 | 1926.8 | 1933.3 |
| 4°    | 1848.2 | 1852.6 | 1856.5 | 1856.7 | 1857.7 |
| 5°    | 1749.2 | 1748.0 | 1765.5 | 1764.3 | 1772.1 |
| 6°    | 1636.4 | 1634.9 | 1642.4 | 1655.1 | 1670.7 |
| 7°    | 1512.3 | 1494.6 | 1514.8 | 1540.3 | 1561.2 |
| 8°    | 1351.8 | 1356.4 | 1370.3 | 1400.4 | 1417.2 |
| 9°    | 1215.6 | 1188.6 | 1218.0 | 1254.0 | 1272.3 |
| 10°   | 1041.0 | 1019.1 | 1050.7 | 1088.6 | 1103.0 |
| 12.5° | 655.2  | 636.3  | 646.5  | 686.4  | 692.7  |
| 15°   | 353.2  | 340.5  | 344.9  | 365.6  | 372.4  |
| 17.5° | 180.2  | 168.8  | 166.4  | 179.5  | 181.0  |
| 20°   | 90.2   | 87.6   | 84.9   | 86.1   | 85.1   |
| 22.5° | 41.8   | 45.5   | 45.0   | 42.6   | 45.5   |
| 25°   | 19.0   | 21.6   | 22.9   | 23.8   | 26.0   |
| 27.5° | 11.7   | 11.2   | 12.9   | 13.9   | 14.1   |
| 30°   | 7.8    | 7.5    | 7.8    | 8.0    | 8.0    |
| 32.5° | 5.6    | 5.4    | 5.1    | 5.1    | 5.4    |
| 35°   | 4.1    | 4.1    | 3.6    | 3.9    | 3.9    |
| 37.5° | 2.9    | 2.9    | 2.7    | 2.9    | 2.9    |
| 40°   | 1.7    | 1.9    | 1.9    | 1.9    | 2.2    |
| 42.5° | 1.0    | 1.2    | 1.2    | 1.2    | 1.2    |
| 45°   | 0.5    | 0.7    | 0.7    | 0.7    | 0.7    |
| 47.5° | 0.2    | 0.2    | 0.2    | 0.5    | 0.5    |
| 50°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 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    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)