

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: P1308417

Luminaire Tested: LDSQA3D20R259027D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308417  
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: LDSQA3D20R259027D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

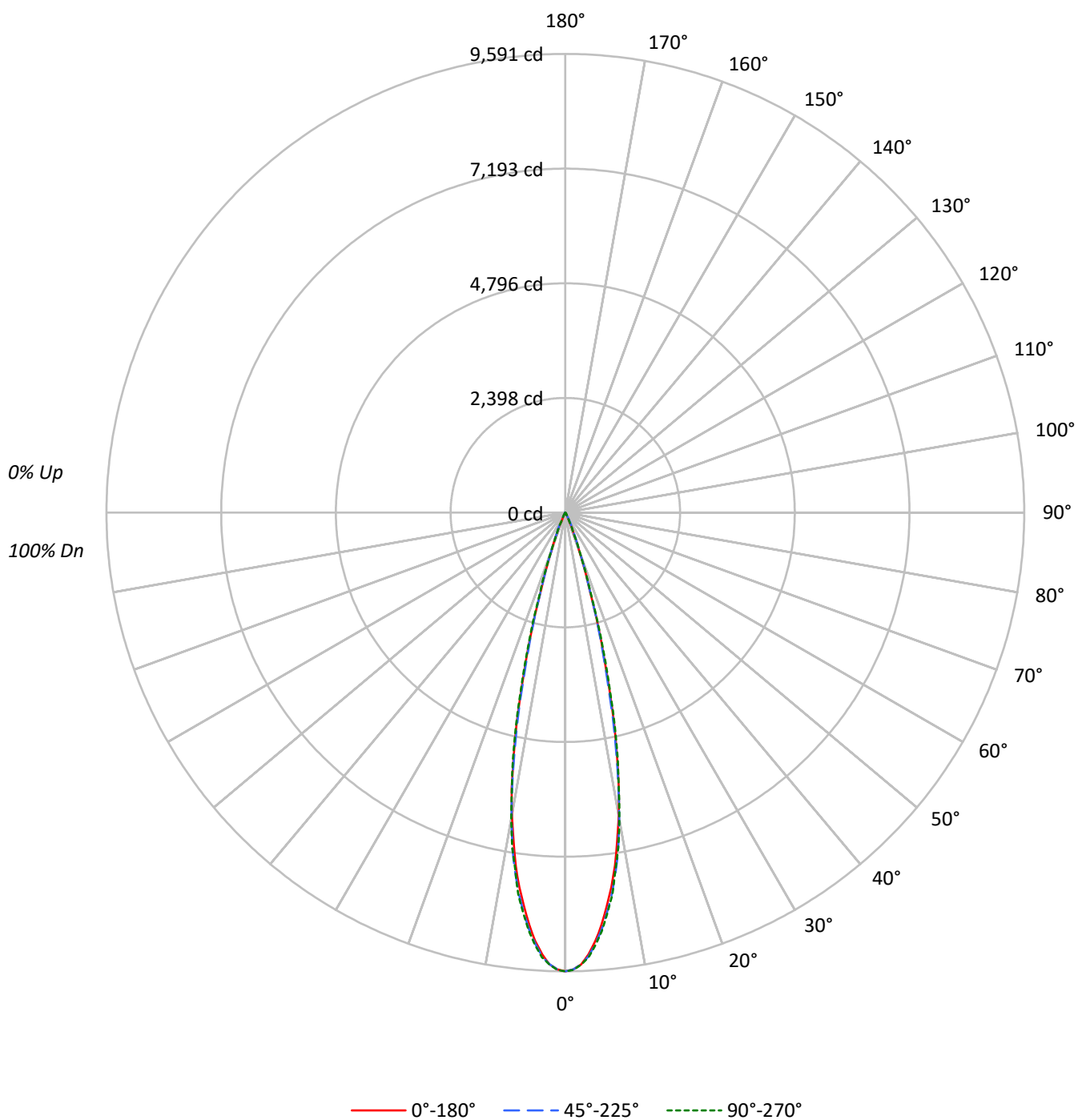
Lumens per Lamp: N/A  
Luminaire Lumens: 1770.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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: P1308417

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHR1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1308417

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHR1MW

**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°  | 1651753 | 1651753 | 1651753 |
| 5°  | 1496817 | 1510457 | 1517822 |
| 10° | 1125244 | 1133236 | 1138483 |
| 15° | 557163  | 540546  | 576580  |
| 20° | 157342  | 159963  | 161686  |
| 25° | 27288   | 51592   | 32381   |
| 30° | 10679   | 10977   | 11296   |
| 35° | 3322    | 3658    | 3658    |
| 40° | 1057    | 1416    | 1057    |
| 45° | 779     | 390     | 779     |
| 50° | 429     | 0       | 429     |
| 55° | 480     | 0       | 480     |
| 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: 779 cd/sqm

TEST NUMBER: P1308417

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHR1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 761.9  | 43.0      |
| 10°-20°   | 859.2  | 48.5      |
| 20°-30°   | 133.3  | 7.5       |
| 30°-40°   | 13.5   | 0.8       |
| 40°-50°   | 1.8    | 0.1       |
| 50°-60°   | 0.3    | 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°    | 1754.4 | 99.1      |
| 0°-40°    | 1767.9 | 99.9      |
| 0°-60°    | 1770.0 | 100.0     |
| 0°-90°    | 1770.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1770.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9591 | 9591  | 9591 | 9591  | 9591 |      |
| 5°  | 8658 | 8674  | 8737 | 8772  | 8780 | 755  |
| 15° | 3125 | 3103  | 3032 | 3168  | 3234 | 856  |
| 25° | 144  | 213   | 272  | 207   | 170  | 120  |
| 35° | 16   | 17    | 17   | 19    | 17   | 13   |
| 45° | 3    | 2     | 2    | 2     | 3    | 2    |
| 55° | 2    | 0     | 0    | 0     | 2    | 1    |
| 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: P1308417

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 9590.8 | 9590.8 | 9590.8 | 9590.8 | 9590.8 |
| 1°    | 9551.3 | 9564.0 | 9549.7 | 9565.5 | 9564.0 |
| 2°    | 9451.9 | 9464.5 | 9447.2 | 9456.6 | 9456.6 |
| 3°    | 9248.3 | 9275.1 | 9290.9 | 9302.0 | 9311.4 |
| 4°    | 8980.0 | 9010.0 | 9033.7 | 9062.1 | 9062.1 |
| 5°    | 8658.1 | 8673.8 | 8737.0 | 8771.7 | 8779.6 |
| 6°    | 8274.6 | 8337.7 | 8385.0 | 8454.5 | 8411.9 |
| 7°    | 7891.0 | 7943.1 | 8009.4 | 8020.5 | 8050.4 |
| 8°    | 7455.5 | 7510.7 | 7572.3 | 7561.2 | 7536.0 |
| 9°    | 6925.2 | 7005.7 | 7078.3 | 7054.6 | 7086.2 |
| 10°   | 6434.4 | 6483.3 | 6480.1 | 6456.5 | 6510.1 |
| 11°   | 5864.6 | 5875.7 | 5814.1 | 5910.4 | 5852.0 |
| 12°   | 5189.2 | 5198.6 | 5119.7 | 5214.4 | 5274.4 |
| 13°   | 4542.1 | 4520.0 | 4411.1 | 4535.8 | 4611.5 |
| 14°   | 3797.2 | 3805.1 | 3666.2 | 3907.6 | 3888.7 |
| 15°   | 3124.9 | 3102.8 | 3031.7 | 3167.5 | 3233.8 |
| 17.5° | 1665.0 | 1679.2 | 1661.9 | 1729.7 | 1772.3 |
| 20°   | 858.5  | 882.2  | 872.8  | 901.2  | 882.2  |
| 22.5° | 445.1  | 478.2  | 487.7  | 465.6  | 405.6  |
| 25°   | 143.6  | 213.1  | 271.5  | 206.7  | 170.4  |
| 27.5° | 86.8   | 85.2   | 132.6  | 91.5   | 93.1   |
| 30°   | 53.7   | 52.1   | 55.2   | 55.2   | 56.8   |
| 32.5° | 30.0   | 31.6   | 30.0   | 33.1   | 31.6   |
| 35°   | 15.8   | 17.4   | 17.4   | 18.9   | 17.4   |
| 37.5° | 9.5    | 11.0   | 11.0   | 11.0   | 9.5    |
| 40°   | 4.7    | 6.3    | 6.3    | 4.7    | 4.7    |
| 42.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 45°   | 3.2    | 1.6    | 1.6    | 1.6    | 3.2    |
| 47.5° | 1.6    | 1.6    | 0.0    | 1.6    | 1.6    |
| 50°   | 1.6    | 1.6    | 0.0    | 1.6    | 1.6    |
| 52.5° | 1.6    | 0.0    | 0.0    | 0.0    | 1.6    |
| 55°   | 1.6    | 0.0    | 0.0    | 0.0    | 1.6    |
| 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: P1308417

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)