

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: P1313664

Luminaire Tested: LDSQA3D13R259727DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R259727DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

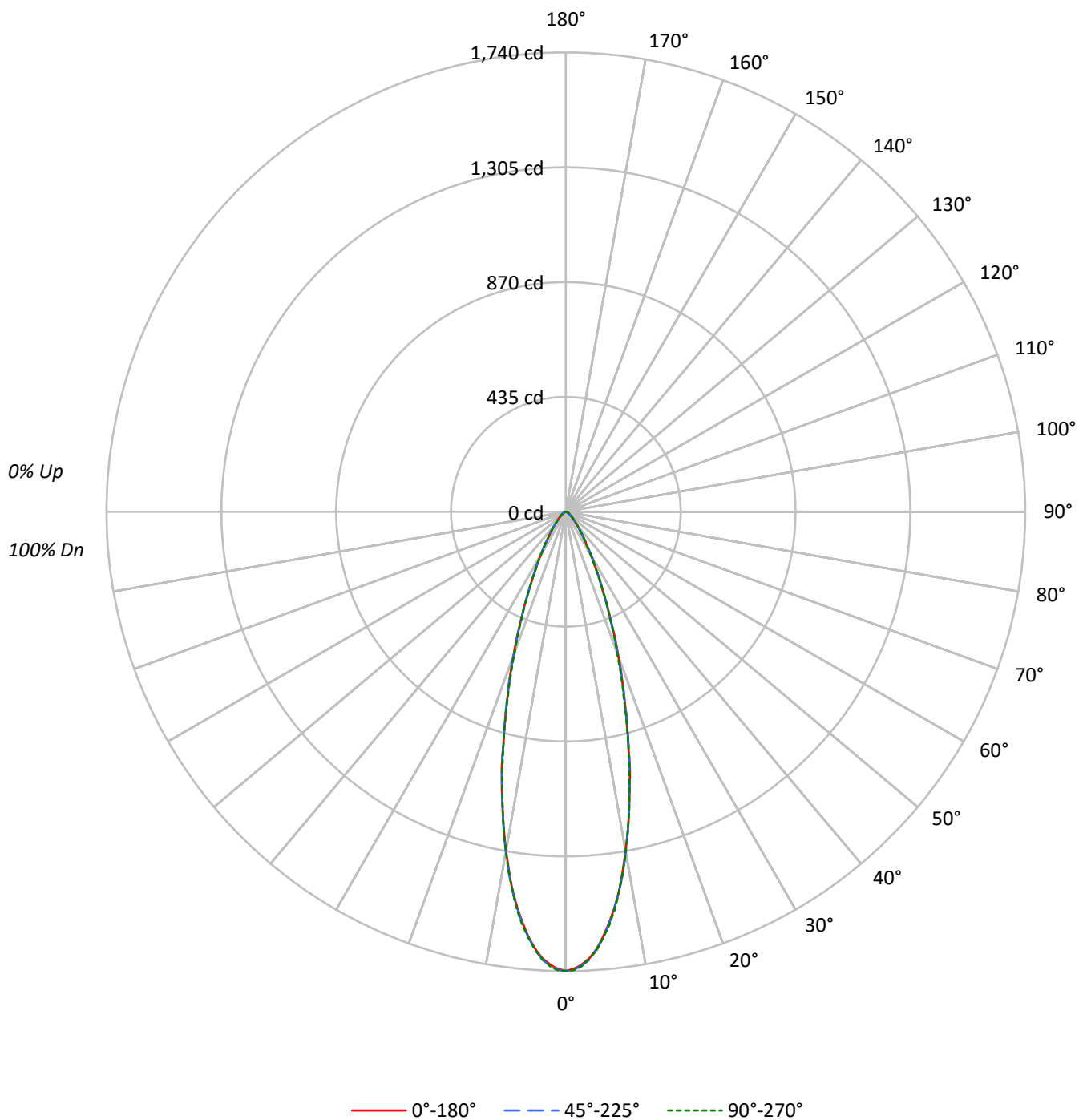
Lumens per Lamp: N/A  
Luminaire Lumens: 697.0 lumens  
Efficiency: N/A  
Efficacy: 47.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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

TEST NUMBER: P1313664

CATALOG NUMBER: LDSQA3D13R259727DE010 3LSQPHRL1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1313664

CATALOG NUMBER: LDSQA3D13R259727DE010 3LSQPHRL1MB

**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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 72  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 299581 | 299581 | 299581 |
| 5°  | 279634 | 279911 | 280049 |
| 10° | 228078 | 228795 | 228795 |
| 15° | 162911 | 163785 | 162911 |
| 20° | 106611 | 105567 | 104082 |
| 25° | 63393  | 63697  | 63393  |
| 30° | 38182  | 38182  | 38023  |
| 35° | 23274  | 23442  | 23274  |
| 40° | 14816  | 14996  | 14996  |
| 45° | 10303  | 10303  | 10303  |
| 50° | 7422   | 7636   | 7636   |
| 55° | 5855   | 5855   | 6095   |
| 60° | 4753   | 5029   | 5029   |
| 65° | 4320   | 4320   | 4320   |
| 70° | 3676   | 3676   | 4079   |
| 75° | 3261   | 3261   | 3793   |
| 80° | 3273   | 3273   | 3273   |
| 85° | 1581   | 1581   | 1581   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10303 cd/sqm

TEST NUMBER: P1313664

CATALOG NUMBER: LDSQA3D13R259727DE010 3LSQPHRL1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 144.6  | 20.7      |
| 10°-20°   | 252.0  | 36.2      |
| 20°-30°   | 158.4  | 22.7      |
| 30°-40°   | 72.5   | 10.4      |
| 40°-50°   | 33.9   | 4.9       |
| 50°-60°   | 18.2   | 2.6       |
| 60°-70°   | 10.7   | 1.5       |
| 70°-80°   | 5.6    | 0.8       |
| 80°-90°   | 1.2    | 0.2       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 554.9  | 79.6      |
| 0°-40°    | 627.4  | 90.0      |
| 0°-60°    | 679.4  | 97.5      |
| 0°-90°    | 697.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 697.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1740 | 1740  | 1740 | 1740  | 1740 |      |
| 5°  | 1618 | 1621  | 1619 | 1621  | 1620 | 144  |
| 15° | 914  | 919   | 919  | 920   | 914  | 252  |
| 25° | 334  | 338   | 335  | 335   | 334  | 159  |
| 35° | 111  | 111   | 112  | 112   | 111  | 72   |
| 45° | 42   | 42    | 42   | 42    | 42   | 34   |
| 55° | 20   | 20    | 20   | 20    | 20   | 18   |
| 65° | 11   | 11    | 11   | 11    | 11   | 10   |
| 75° | 5    | 5     | 5    | 6     | 6    | 5    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1313664

CATALOG NUMBER: LDSQA3D13R259727DE010 3LSQPHRL1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1739.5 | 1739.5 | 1739.5 | 1739.5 | 1739.5 |
| 1°    | 1732.2 | 1733.8 | 1735.5 | 1737.9 | 1737.1 |
| 2°    | 1715.9 | 1719.2 | 1720.0 | 1723.2 | 1722.4 |
| 3°    | 1694.0 | 1693.1 | 1699.7 | 1699.7 | 1695.6 |
| 4°    | 1659.8 | 1661.4 | 1663.0 | 1664.7 | 1665.5 |
| 5°    | 1617.5 | 1620.7 | 1619.1 | 1620.7 | 1619.9 |
| 6°    | 1565.4 | 1570.3 | 1569.5 | 1571.1 | 1573.5 |
| 7°    | 1510.1 | 1513.3 | 1513.3 | 1511.7 | 1518.2 |
| 8°    | 1449.9 | 1447.4 | 1451.5 | 1449.9 | 1449.1 |
| 9°    | 1378.3 | 1383.2 | 1384.0 | 1379.9 | 1381.5 |
| 10°   | 1304.2 | 1307.5 | 1308.3 | 1310.7 | 1308.3 |
| 11°   | 1231.0 | 1231.0 | 1232.6 | 1236.7 | 1230.2 |
| 12°   | 1151.3 | 1158.6 | 1151.3 | 1154.5 | 1151.3 |
| 13°   | 1075.6 | 1077.2 | 1075.6 | 1074.8 | 1069.1 |
| 14°   | 1004.0 | 998.3  | 999.9  | 993.4  | 994.2  |
| 15°   | 913.7  | 919.4  | 918.6  | 920.2  | 913.7  |
| 17.5° | 734.7  | 738.0  | 737.1  | 735.5  | 727.4  |
| 20°   | 581.7  | 581.7  | 576.0  | 572.8  | 567.9  |
| 22.5° | 444.2  | 442.6  | 440.2  | 437.7  | 439.4  |
| 25°   | 333.6  | 337.7  | 335.2  | 335.2  | 333.6  |
| 27.5° | 252.2  | 257.1  | 253.0  | 250.6  | 252.2  |
| 30°   | 192.0  | 193.6  | 192.0  | 191.2  | 191.2  |
| 32.5° | 144.8  | 145.6  | 144.8  | 144.8  | 144.8  |
| 35°   | 110.7  | 110.7  | 111.5  | 111.5  | 110.7  |
| 37.5° | 85.4   | 85.4   | 85.4   | 85.4   | 86.2   |
| 40°   | 65.9   | 66.7   | 66.7   | 66.7   | 66.7   |
| 42.5° | 52.1   | 52.9   | 52.9   | 52.9   | 52.9   |
| 45°   | 42.3   | 42.3   | 42.3   | 42.3   | 42.3   |
| 47.5° | 34.2   | 34.2   | 34.2   | 34.2   | 35.0   |
| 50°   | 27.7   | 28.5   | 28.5   | 28.5   | 28.5   |
| 52.5° | 23.6   | 23.6   | 23.6   | 23.6   | 23.6   |
| 55°   | 19.5   | 19.5   | 19.5   | 20.3   | 20.3   |
| 57.5° | 16.3   | 16.3   | 17.1   | 17.1   | 17.1   |
| 60°   | 13.8   | 14.6   | 14.6   | 14.6   | 14.6   |
| 62.5° | 12.2   | 12.2   | 13.0   | 13.0   | 13.0   |
| 65°   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   |
| 67.5° | 8.9    | 8.9    | 8.9    | 8.9    | 9.8    |
| 70°   | 7.3    | 7.3    | 7.3    | 8.1    | 8.1    |
| 72.5° | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    |
| 75°   | 4.9    | 4.9    | 4.9    | 5.7    | 5.7    |
| 77.5° | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 80°   | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    |
| 82.5° | 1.6    | 1.6    | 2.4    | 2.4    | 2.4    |
| 85°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1313664

CATALOG NUMBER: LDSQA3D13R259727DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)