

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: P1312732

Luminaire Tested: LDSQA3D17R359050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359050DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

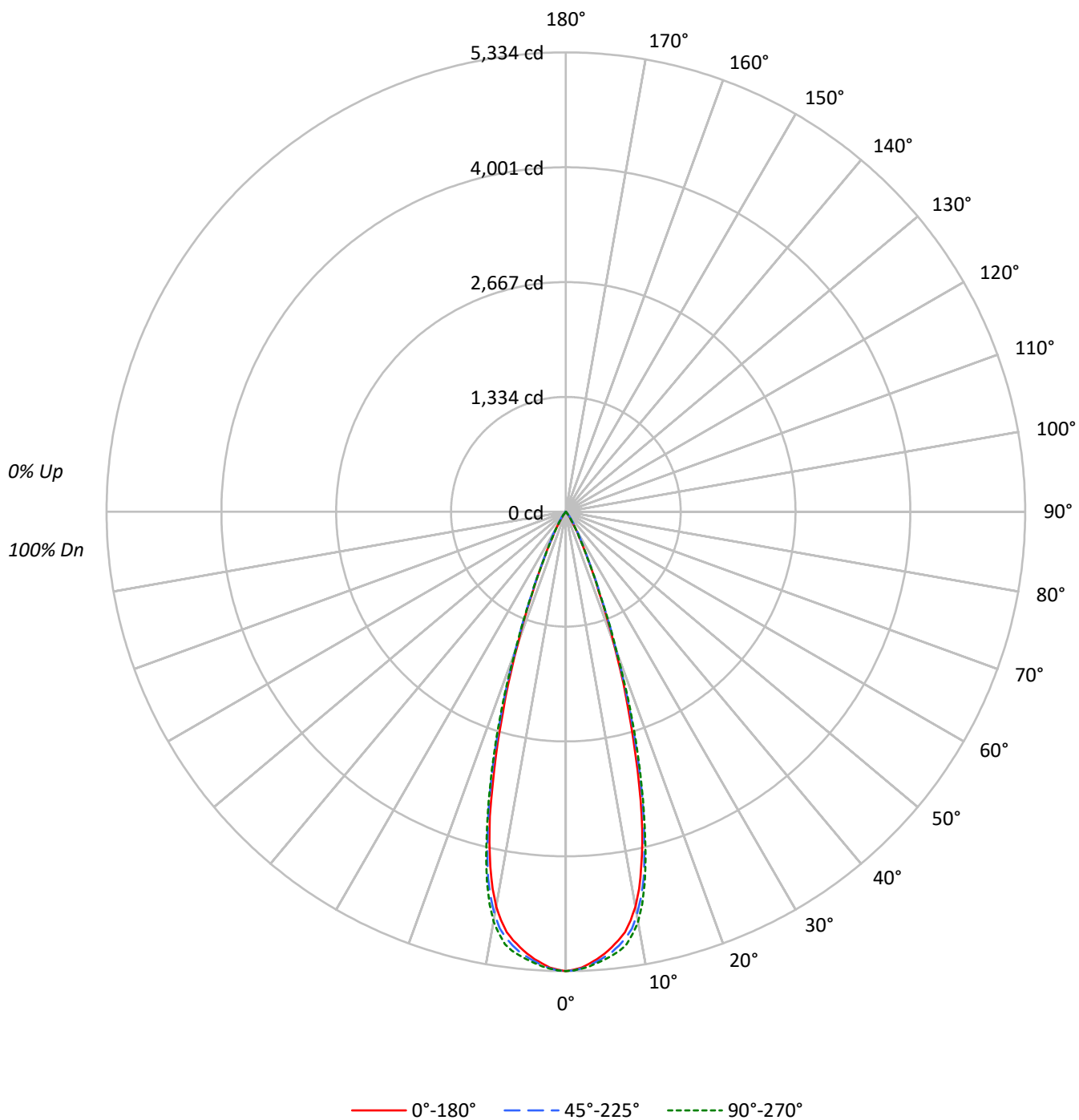
Lumens per Lamp: N/A  
Luminaire Lumens: 1776.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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: P1312732

CATALOG NUMBER: LDSQA3D17R359050DE010 3LSQCDR1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1312732

CATALOG NUMBER: LDSQA3D17R359050DE010 3LSQCDR1MMS

**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 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 96  | 95 | 94 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  | 93  | 92 | 91 |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 96  | 94  | 92  | 94  | 92  | 91  | 89  | 88 | 87 |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 88  | 92  | 89  | 87  | 86  | 85 | 84 |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 84  | 82  | 80  | 79 | 78 |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 77  | 76 | 75 |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 81  | 79  | 76  | 74  | 73 | 72 |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  | 80  | 77  | 74  | 79  | 76  | 74  | 71  | 70 | 69 |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 77  | 74  | 72  | 69  | 67 | 65 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 918653 | 918653 | 918653 |
| 5°  | 890784 | 897112 | 901969 |
| 10° | 814011 | 831220 | 845490 |
| 15° | 585388 | 610956 | 615984 |
| 20° | 298024 | 312980 | 313749 |
| 25° | 113066 | 115479 | 112268 |
| 30° | 43910  | 50910  | 42796  |
| 35° | 15075  | 23653  | 14192  |
| 40° | 5058   | 9173   | 4744   |
| 45° | 341    | 3093   | 341    |
| 50° | 0      | 375    | 0      |
| 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: 45°

Vertical Angle: 45°

Luminance: 3093 cd/sqm

TEST NUMBER: P1312732

CATALOG NUMBER: LDSQA3D17R359050DE010 3LSQCDR1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 482.9  | 27.2      |
| 10°-20°   | 899.6  | 50.7      |
| 20°-30°   | 323.4  | 18.2      |
| 30°-40°   | 63.1   | 3.6       |
| 40°-50°   | 7.0    | 0.4       |
| 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°    | 1705.8 | 96.0      |
| 0°-40°    | 1768.9 | 99.6      |
| 0°-60°    | 1776.0 | 100.0     |
| 0°-90°    | 1776.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1776.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5334 | 5334  | 5334 | 5334  | 5334 |      |
| 5°  | 5153 | 5167  | 5189 | 5213  | 5217 | 477  |
| 15° | 3283 | 3338  | 3427 | 3451  | 3455 | 872  |
| 25° | 595  | 601   | 608  | 604   | 591  | 312  |
| 35° | 72   | 82    | 112  | 83    | 68   | 53   |
| 45° | 1    | 4     | 13   | 4     | 1    | 4    |
| 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    |      |

TEST NUMBER: P1312732

CATALOG NUMBER: LDSQA3D17R359050DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5334.1 | 5334.1 | 5334.1 | 5334.1 | 5334.1 |
| 1°    | 5318.6 | 5325.7 | 5327.1 | 5336.9 | 5325.7 |
| 2°    | 5296.1 | 5300.3 | 5306.0 | 5314.4 | 5308.8 |
| 3°    | 5252.5 | 5260.9 | 5273.6 | 5284.9 | 5284.9 |
| 4°    | 5206.1 | 5217.3 | 5232.8 | 5252.5 | 5251.1 |
| 5°    | 5152.6 | 5166.7 | 5189.2 | 5213.1 | 5217.3 |
| 6°    | 5085.1 | 5102.0 | 5138.6 | 5172.3 | 5178.0 |
| 7°    | 5013.4 | 5038.7 | 5073.9 | 5123.1 | 5135.8 |
| 8°    | 4929.0 | 4948.7 | 4999.3 | 5057.0 | 5071.0 |
| 9°    | 4805.2 | 4834.7 | 4899.4 | 4952.9 | 4961.3 |
| 10°   | 4654.7 | 4675.8 | 4753.1 | 4809.4 | 4834.7 |
| 11°   | 4460.6 | 4491.5 | 4567.5 | 4625.1 | 4642.0 |
| 12°   | 4213.0 | 4258.0 | 4346.6 | 4388.8 | 4402.9 |
| 13°   | 3945.7 | 3983.7 | 4052.6 | 4104.7 | 4115.9 |
| 14°   | 3644.7 | 3681.3 | 3753.0 | 3795.2 | 3785.3 |
| 15°   | 3283.2 | 3338.0 | 3426.6 | 3450.6 | 3454.8 |
| 17.5° | 2425.1 | 2460.3 | 2539.0 | 2577.0 | 2603.7 |
| 20°   | 1626.1 | 1659.9 | 1707.7 | 1733.0 | 1711.9 |
| 22.5° | 988.9  | 1017.0 | 1042.3 | 1040.9 | 1033.9 |
| 25°   | 595.0  | 600.6  | 607.7  | 603.5  | 590.8  |
| 27.5° | 347.4  | 362.9  | 384.0  | 370.0  | 348.9  |
| 30°   | 220.8  | 233.5  | 256.0  | 232.1  | 215.2  |
| 32.5° | 116.8  | 147.7  | 171.6  | 139.3  | 122.4  |
| 35°   | 71.7   | 81.6   | 112.5  | 83.0   | 67.5   |
| 37.5° | 43.6   | 50.6   | 70.3   | 49.2   | 39.4   |
| 40°   | 22.5   | 32.4   | 40.8   | 29.5   | 21.1   |
| 42.5° | 7.0    | 15.5   | 22.5   | 14.1   | 7.0    |
| 45°   | 1.4    | 4.2    | 12.7   | 4.2    | 1.4    |
| 47.5° | 0.0    | 0.0    | 5.6    | 1.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.4    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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    |



TEST NUMBER: P1312732

CATALOG NUMBER: LDSQA3D17R359050DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)