

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: P1313172

Luminaire Tested: LDSQA3D02R259727DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313172  
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: LDSQA3D02R259727DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

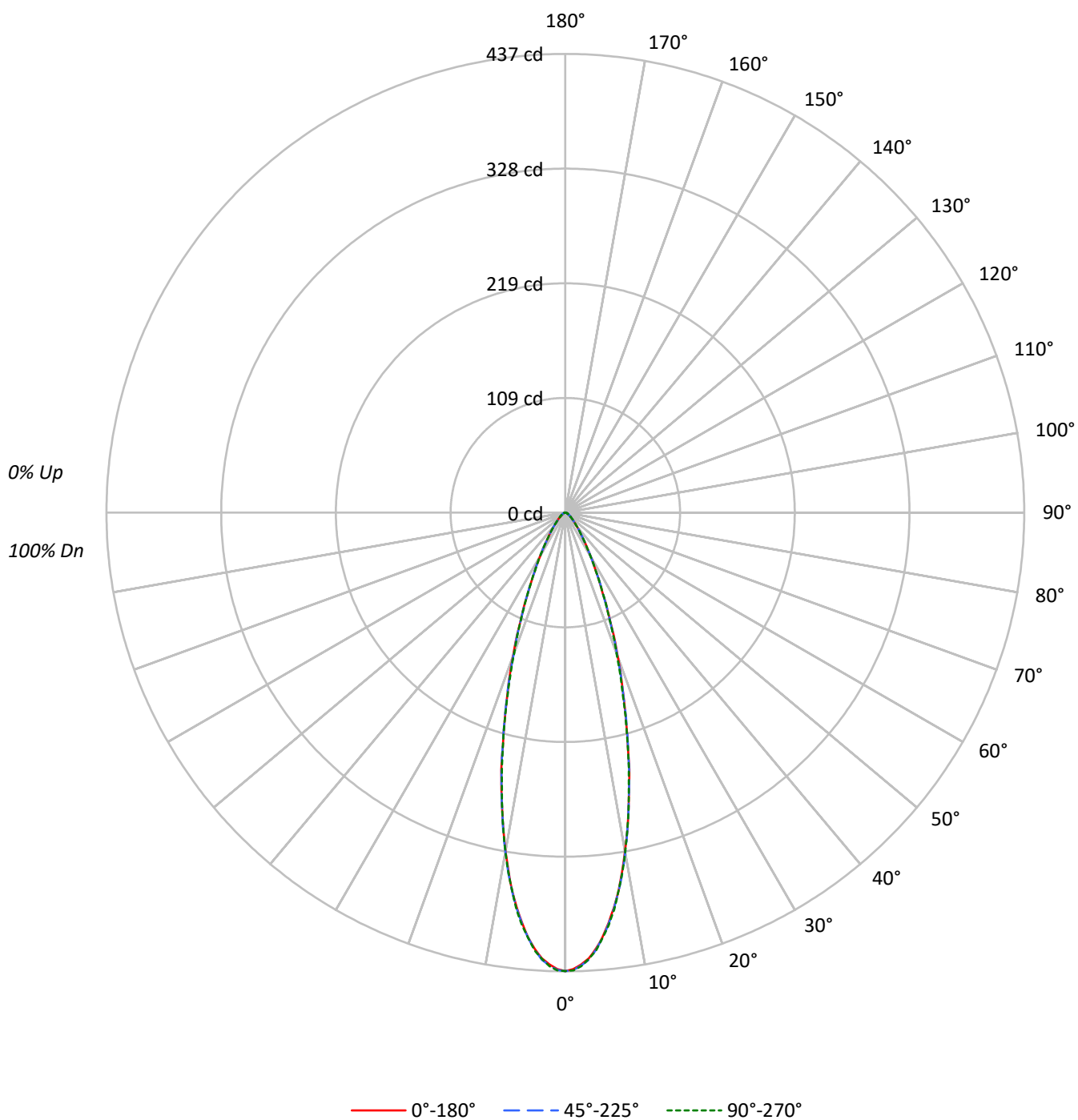
Lumens per Lamp: N/A  
Luminaire Lumens: 175.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1313172

CATALOG NUMBER: LDSQA3D02R259727DE010 3LSQPHRL1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1313172

CATALOG NUMBER: LDSQA3D02R259727DE010 3LSQPHRL1MMS

**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  | 73  |  | 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°  | 75227 | 75227 | 75227 |
| 5°  | 70207 | 70276 | 70311 |
| 10° | 57273 | 57448 | 57448 |
| 15° | 40902 | 41116 | 40902 |
| 20° | 26777 | 26502 | 26135 |
| 25° | 15924 | 16000 | 15924 |
| 30° | 9585  | 9585  | 9546  |
| 35° | 5845  | 5887  | 5845  |
| 40° | 3710  | 3777  | 3777  |
| 45° | 2582  | 2582  | 2582  |
| 50° | 1849  | 1902  | 1902  |
| 55° | 1471  | 1471  | 1531  |
| 60° | 1206  | 1274  | 1274  |
| 65° | 1100  | 1100  | 1100  |
| 70° | 906   | 906   | 1007  |
| 75° | 799   | 799   | 932   |
| 80° | 793   | 793   | 793   |
| 85° | 395   | 395   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2582 cd/sqm

TEST NUMBER: P1313172

CATALOG NUMBER: LDSQA3D02R259727DE010 3LSQPHRL1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.3   | 20.7      |
| 10°-20°   | 63.3   | 36.2      |
| 20°-30°   | 39.8   | 22.7      |
| 30°-40°   | 18.2   | 10.4      |
| 40°-50°   | 8.5    | 4.9       |
| 50°-60°   | 4.6    | 2.6       |
| 60°-70°   | 2.7    | 1.5       |
| 70°-80°   | 1.4    | 0.8       |
| 80°-90°   | 0.3    | 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°    | 139.3  | 79.6      |
| 0°-40°    | 157.5  | 90.0      |
| 0°-60°    | 170.6  | 97.5      |
| 0°-90°    | 175.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 175.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 437 | 437   | 437 | 437   | 437 |      |
| 5°  | 406 | 407   | 406 | 407   | 407 | 36   |
| 15° | 229 | 231   | 231 | 231   | 229 | 63   |
| 25° | 84  | 85    | 84  | 84    | 84  | 40   |
| 35° | 28  | 28    | 28  | 28    | 28  | 18   |
| 45° | 11  | 11    | 11  | 11    | 11  | 8    |
| 55° | 5   | 5     | 5   | 5     | 5   | 4    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 1   | 1     | 1   | 1     | 1   | 1    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1313172

CATALOG NUMBER: LDSQA3D02R259727DE010 3LSQPHRL1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 436.8 | 436.8 | 436.8 | 436.8 | 436.8 |
| 1°    | 434.9 | 435.3 | 435.7 | 436.3 | 436.1 |
| 2°    | 430.8 | 431.6 | 431.8 | 432.7 | 432.5 |
| 3°    | 425.3 | 425.1 | 426.7 | 426.7 | 425.7 |
| 4°    | 416.7 | 417.1 | 417.5 | 418.0 | 418.2 |
| 5°    | 406.1 | 406.9 | 406.5 | 406.9 | 406.7 |
| 6°    | 393.0 | 394.3 | 394.1 | 394.5 | 395.1 |
| 7°    | 379.1 | 380.0 | 380.0 | 379.6 | 381.2 |
| 8°    | 364.0 | 363.4 | 364.4 | 364.0 | 363.8 |
| 9°    | 346.1 | 347.3 | 347.5 | 346.5 | 346.9 |
| 10°   | 327.5 | 328.3 | 328.5 | 329.1 | 328.5 |
| 11°   | 309.1 | 309.1 | 309.5 | 310.5 | 308.9 |
| 12°   | 289.1 | 290.9 | 289.1 | 289.9 | 289.1 |
| 13°   | 270.1 | 270.5 | 270.1 | 269.9 | 268.4 |
| 14°   | 252.1 | 250.7 | 251.1 | 249.4 | 249.6 |
| 15°   | 229.4 | 230.8 | 230.6 | 231.0 | 229.4 |
| 17.5° | 184.5 | 185.3 | 185.1 | 184.7 | 182.6 |
| 20°   | 146.1 | 146.1 | 144.6 | 143.8 | 142.6 |
| 22.5° | 111.5 | 111.1 | 110.5 | 109.9 | 110.3 |
| 25°   | 83.8  | 84.8  | 84.2  | 84.2  | 83.8  |
| 27.5° | 63.3  | 64.6  | 63.5  | 62.9  | 63.3  |
| 30°   | 48.2  | 48.6  | 48.2  | 48.0  | 48.0  |
| 32.5° | 36.4  | 36.6  | 36.4  | 36.4  | 36.4  |
| 35°   | 27.8  | 27.8  | 28.0  | 28.0  | 27.8  |
| 37.5° | 21.4  | 21.4  | 21.4  | 21.4  | 21.7  |
| 40°   | 16.5  | 16.8  | 16.8  | 16.8  | 16.8  |
| 42.5° | 13.1  | 13.3  | 13.3  | 13.3  | 13.3  |
| 45°   | 10.6  | 10.6  | 10.6  | 10.6  | 10.6  |
| 47.5° | 8.6   | 8.6   | 8.6   | 8.6   | 8.8   |
| 50°   | 6.9   | 7.1   | 7.1   | 7.1   | 7.1   |
| 52.5° | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 55°   | 4.9   | 4.9   | 4.9   | 5.1   | 5.1   |
| 57.5° | 4.1   | 4.1   | 4.3   | 4.3   | 4.3   |
| 60°   | 3.5   | 3.7   | 3.7   | 3.7   | 3.7   |
| 62.5° | 3.1   | 3.1   | 3.3   | 3.3   | 3.3   |
| 65°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   |
| 67.5° | 2.2   | 2.2   | 2.2   | 2.2   | 2.5   |
| 70°   | 1.8   | 1.8   | 1.8   | 2.0   | 2.0   |
| 72.5° | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 75°   | 1.2   | 1.2   | 1.2   | 1.4   | 1.4   |
| 77.5° | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 80°   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 82.5° | 0.4   | 0.4   | 0.6   | 0.6   | 0.6   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1313172

CATALOG NUMBER: LDSQA3D02R259727DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)