

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: P1319658

Luminaire Tested: LDSQA3D02R259840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319658  
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: LDSQA3D02R259840DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

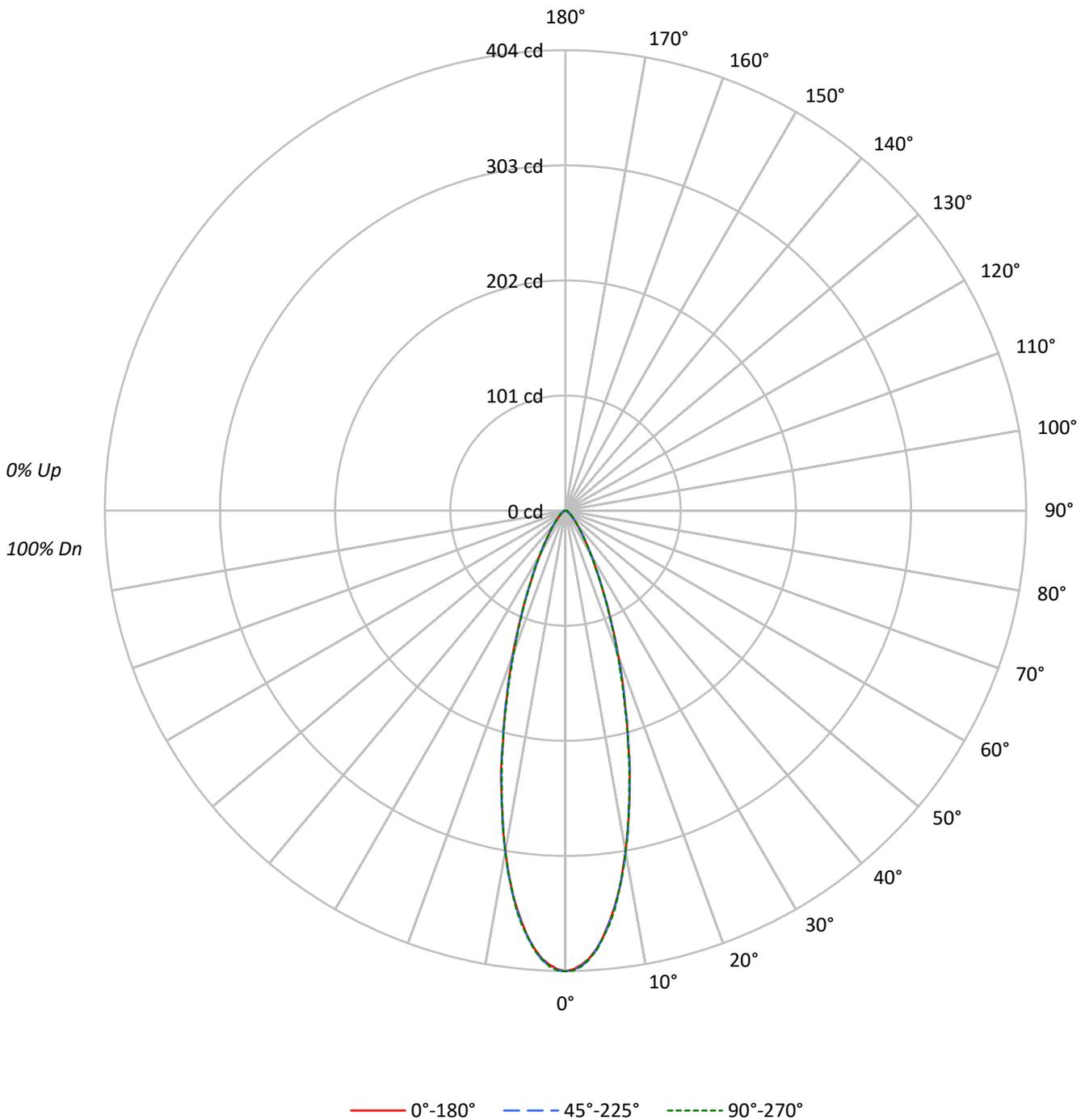
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 162.0 lumens  
Efficiency: N/A  
Efficacy: 45.0 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

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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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 92  | 90  | 93  | 92  | 90  | 88  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 89  | 87  | 85  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 79  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 82  | 78  | 76  | 74  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  | 79  | 76  | 72  | 78  | 75  | 72  | 78  | 75  | 72  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 71  | 69  | 75  | 71  | 69  | 67  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 72  | 68  | 66  | 64  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 66  | 63  | 69  | 66  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 63  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 59  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 69630 | 69630 | 69630 |
| 5°  | 64986 | 65055 | 65090 |
| 10° | 53006 | 53181 | 53181 |
| 15° | 37870 | 38067 | 37870 |
| 20° | 24779 | 24541 | 24192 |
| 25° | 14727 | 14803 | 14727 |
| 30° | 8869  | 8869  | 8830  |
| 35° | 5403  | 5445  | 5403  |
| 40° | 3440  | 3485  | 3485  |
| 45° | 2387  | 2387  | 2387  |
| 50° | 1715  | 1768  | 1768  |
| 55° | 1351  | 1351  | 1411  |
| 60° | 1102  | 1171  | 1171  |
| 65° | 1019  | 1019  | 1019  |
| 70° | 856   | 856   | 957   |
| 75° | 732   | 732   | 865   |
| 80° | 793   | 793   | 793   |
| 85° | 395   | 395   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2387 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.6   | 20.7      |
| 10°-20°   | 58.6   | 36.2      |
| 20°-30°   | 36.8   | 22.7      |
| 30°-40°   | 16.8   | 10.4      |
| 40°-50°   | 7.8    | 4.8       |
| 50°-60°   | 4.2    | 2.6       |
| 60°-70°   | 2.5    | 1.5       |
| 70°-80°   | 1.3    | 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       |
| 0°-30°    | 129.0  | 79.6      |
| 0°-40°    | 145.8  | 90.0      |
| 0°-60°    | 157.9  | 97.5      |
| 0°-90°    | 162.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 162.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 404 | 404   | 404 | 404   | 404 |      |
| 5°  | 376 | 377   | 376 | 377   | 376 | 34   |
| 15° | 212 | 214   | 214 | 214   | 212 | 59   |
| 25° | 78  | 78    | 78  | 78    | 78  | 37   |
| 35° | 26  | 26    | 26  | 26    | 26  | 17   |
| 45° | 10  | 10    | 10  | 10    | 10  | 8    |
| 55° | 4   | 4     | 4   | 5     | 5   | 4    |
| 65° | 2   | 2     | 2   | 2     | 2   | 2    |
| 75° | 1   | 1     | 1   | 1     | 1   | 1    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 404.3 | 404.3 | 404.3 | 404.3 | 404.3 |
| 1°    | 402.6 | 403.0 | 403.4 | 403.9 | 403.7 |
| 2°    | 398.8 | 399.6 | 399.8 | 400.5 | 400.3 |
| 3°    | 393.7 | 393.5 | 395.0 | 395.0 | 394.1 |
| 4°    | 385.8 | 386.2 | 386.5 | 386.9 | 387.1 |
| 5°    | 375.9 | 376.7 | 376.3 | 376.7 | 376.5 |
| 6°    | 363.8 | 365.0 | 364.8 | 365.2 | 365.7 |
| 7°    | 351.0 | 351.7 | 351.7 | 351.4 | 352.9 |
| 8°    | 337.0 | 336.4 | 337.4 | 337.0 | 336.8 |
| 9°    | 320.3 | 321.5 | 321.7 | 320.7 | 321.1 |
| 10°   | 303.1 | 303.9 | 304.1 | 304.6 | 304.1 |
| 11°   | 286.1 | 286.1 | 286.5 | 287.4 | 285.9 |
| 12°   | 267.6 | 269.3 | 267.6 | 268.3 | 267.6 |
| 13°   | 250.0 | 250.4 | 250.0 | 249.8 | 248.5 |
| 14°   | 233.4 | 232.0 | 232.4 | 230.9 | 231.1 |
| 15°   | 212.4 | 213.7 | 213.5 | 213.9 | 212.4 |
| 17.5° | 170.8 | 171.5 | 171.3 | 171.0 | 169.1 |
| 20°   | 135.2 | 135.2 | 133.9 | 133.1 | 132.0 |
| 22.5° | 103.3 | 102.9 | 102.3 | 101.7 | 102.1 |
| 25°   | 77.5  | 78.5  | 77.9  | 77.9  | 77.5  |
| 27.5° | 58.6  | 59.8  | 58.8  | 58.2  | 58.6  |
| 30°   | 44.6  | 45.0  | 44.6  | 44.4  | 44.4  |
| 32.5° | 33.7  | 33.8  | 33.7  | 33.7  | 33.7  |
| 35°   | 25.7  | 25.7  | 25.9  | 25.9  | 25.7  |
| 37.5° | 19.9  | 19.9  | 19.9  | 19.9  | 20.0  |
| 40°   | 15.3  | 15.5  | 15.5  | 15.5  | 15.5  |
| 42.5° | 12.1  | 12.3  | 12.3  | 12.3  | 12.3  |
| 45°   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   |
| 47.5° | 7.9   | 7.9   | 7.9   | 7.9   | 8.1   |
| 50°   | 6.4   | 6.6   | 6.6   | 6.6   | 6.6   |
| 52.5° | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   |
| 55°   | 4.5   | 4.5   | 4.5   | 4.7   | 4.7   |
| 57.5° | 3.8   | 3.8   | 4.0   | 4.0   | 4.0   |
| 60°   | 3.2   | 3.4   | 3.4   | 3.4   | 3.4   |
| 62.5° | 2.8   | 2.8   | 3.0   | 3.0   | 3.0   |
| 65°   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| 67.5° | 2.1   | 2.1   | 2.1   | 2.1   | 2.3   |
| 70°   | 1.7   | 1.7   | 1.7   | 1.9   | 1.9   |
| 72.5° | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 75°   | 1.1   | 1.1   | 1.1   | 1.3   | 1.3   |
| 77.5° | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 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   |



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)