

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: P1319703

Luminaire Tested: LDSQA3D02R409840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409840DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

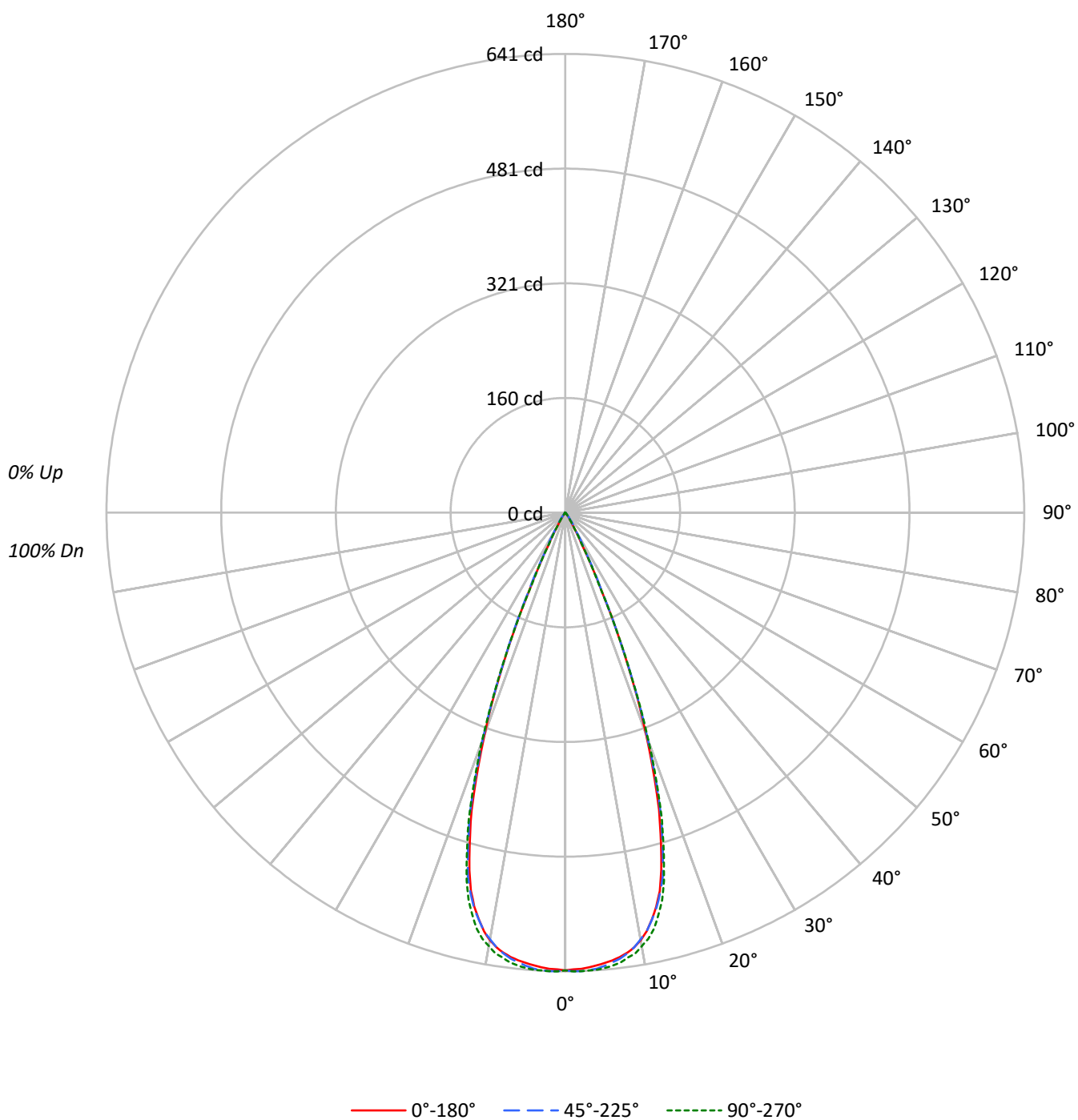
Lumens per Lamp: N/A  
Luminaire Lumens: 269.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| 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 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 76  | 72  | 70  |  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 110171 | 110171 | 110171 |
| 5°  | 109209 | 109900 | 110419 |
| 10° | 106099 | 105907 | 107568 |
| 15° | 92305  | 93785  | 94944  |
| 20° | 60573  | 61764  | 62552  |
| 25° | 21606  | 22860  | 21492  |
| 30° | 4713   | 6364   | 4753   |
| 35° | 1514   | 2628   | 1472   |
| 40° | 472    | 809    | 427    |
| 45° | 49     | 268    | 49     |
| 50° | 0      | 54     | 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: 268 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.8   | 22.2      |
| 10°-20°   | 139.3  | 51.8      |
| 20°-30°   | 62.5   | 23.2      |
| 30°-40°   | 6.7    | 2.5       |
| 40°-50°   | 0.6    | 0.2       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 261.6  | 97.3      |
| 0°-40°    | 268.4  | 99.8      |
| 0°-60°    | 269.0  | 100.0     |
| 0°-90°    | 269.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 269.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 640 | 640   | 640 | 640   | 640 |      |
| 5°  | 632 | 633   | 636 | 637   | 639 | 60   |
| 15° | 518 | 522   | 526 | 529   | 532 | 138  |
| 25° | 114 | 117   | 120 | 122   | 113 | 61   |
| 35° | 7   | 8     | 12  | 8     | 7   | 6    |
| 45° | 0   | 0     | 1   | 0     | 0   | 0    |
| 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   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 639.7 | 639.7 | 639.7 | 639.7 | 639.7 |
| 1°    | 638.4 | 639.7 | 640.8 | 639.9 | 641.2 |
| 2°    | 637.8 | 639.3 | 641.0 | 640.1 | 641.2 |
| 3°    | 636.3 | 638.2 | 640.1 | 639.5 | 640.6 |
| 4°    | 634.2 | 635.7 | 638.6 | 638.6 | 640.3 |
| 5°    | 631.7 | 633.4 | 635.7 | 636.7 | 638.7 |
| 6°    | 629.1 | 630.0 | 631.7 | 633.6 | 636.5 |
| 7°    | 625.7 | 625.7 | 627.8 | 629.6 | 633.4 |
| 8°    | 620.9 | 620.6 | 622.1 | 624.5 | 627.9 |
| 9°    | 615.1 | 613.7 | 614.9 | 618.5 | 623.6 |
| 10°   | 606.7 | 605.6 | 605.6 | 610.1 | 615.1 |
| 11°   | 595.9 | 595.6 | 595.7 | 600.1 | 606.7 |
| 12°   | 581.3 | 581.7 | 581.7 | 586.7 | 594.8 |
| 13°   | 564.9 | 564.7 | 566.4 | 571.9 | 577.4 |
| 14°   | 544.8 | 545.9 | 547.6 | 552.6 | 558.2 |
| 15°   | 517.7 | 521.5 | 526.0 | 529.1 | 532.5 |
| 17.5° | 435.3 | 439.1 | 445.3 | 447.8 | 448.6 |
| 20°   | 330.5 | 336.0 | 337.0 | 341.9 | 341.3 |
| 22.5° | 221.6 | 221.2 | 222.0 | 222.6 | 222.8 |
| 25°   | 113.7 | 117.1 | 120.3 | 122.4 | 113.1 |
| 27.5° | 49.4  | 55.3  | 59.5  | 54.0  | 50.0  |
| 30°   | 23.7  | 26.9  | 32.0  | 27.1  | 23.9  |
| 32.5° | 12.9  | 15.0  | 20.3  | 14.8  | 12.7  |
| 35°   | 7.2   | 8.3   | 12.5  | 8.1   | 7.0   |
| 37.5° | 4.2   | 4.5   | 6.8   | 4.5   | 4.0   |
| 40°   | 2.1   | 2.7   | 3.6   | 2.7   | 1.9   |
| 42.5° | 0.8   | 1.3   | 1.9   | 1.3   | 0.8   |
| 45°   | 0.2   | 0.4   | 1.1   | 0.4   | 0.2   |
| 47.5° | 0.0   | 0.0   | 0.6   | 0.0   | 0.0   |
| 50°   | 0.0   | 0.0   | 0.2   | 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   |



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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)