

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: P1307885

Luminaire Tested: LDSQA3D05R709027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307885  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709027DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

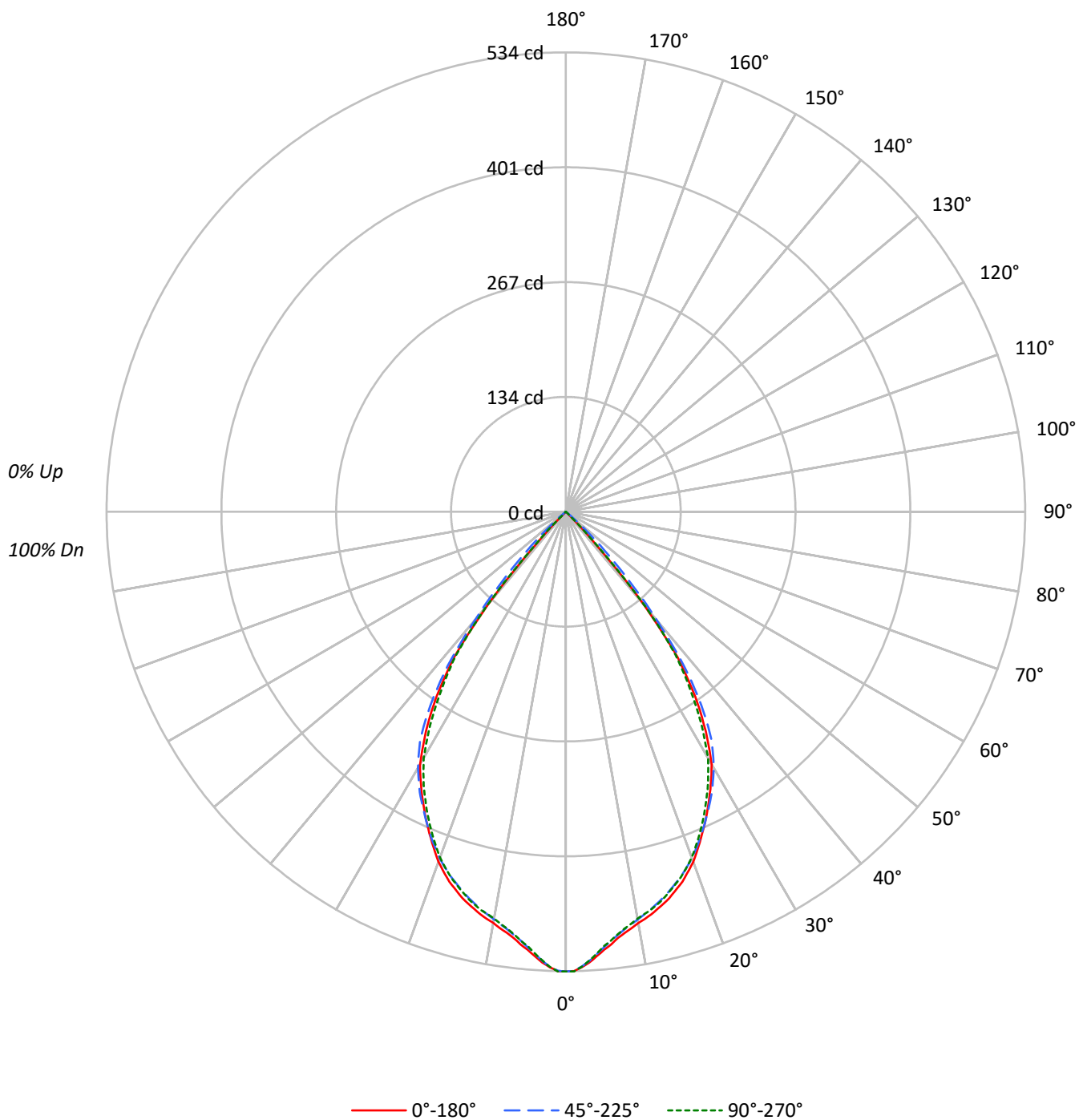
Lumens per Lamp: N/A  
Luminaire Lumens: 553.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

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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  | 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 |    |    |
| 1   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 93  |    |    |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  | 95  | 92  | 90  | 92  | 90  | 88  | 86  |    |    |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  | 89  | 86  | 83  | 87  | 84  | 81  | 80  |    |    |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 68  |    |    |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 60  | 59  |    |    |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 55  |    |    |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 51  |    |    |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 48  |    |    |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 92053 | 92053 | 92053 |
| 5°  | 88359 | 87875 | 87633 |
| 10° | 84886 | 84152 | 83995 |
| 15° | 82873 | 81714 | 81874 |
| 20° | 79358 | 78589 | 78424 |
| 25° | 73673 | 73844 | 72685 |
| 30° | 67415 | 68350 | 65745 |
| 35° | 55168 | 57817 | 53003 |
| 40° | 31745 | 37005 | 32599 |
| 45° | 463   | 15369 | 1583  |
| 50° | 0     | 1634  | 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: 15369 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.7   | 8.6       |
| 10°-20°   | 129.2  | 23.4      |
| 20°-30°   | 177.5  | 32.1      |
| 30°-40°   | 161.0  | 29.1      |
| 40°-50°   | 37.4   | 6.8       |
| 50°-60°   | 0.2    | 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°    | 354.4  | 64.1      |
| 0°-40°    | 515.4  | 93.2      |
| 0°-60°    | 553.0  | 100.0     |
| 0°-90°    | 553.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 553.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 534 | 534   | 534 | 534   | 534 |      |
| 5°  | 511 | 510   | 508 | 507   | 507 | 48   |
| 15° | 465 | 462   | 458 | 458   | 459 | 130  |
| 25° | 388 | 390   | 389 | 385   | 382 | 178  |
| 35° | 262 | 266   | 275 | 263   | 252 | 158  |
| 45° | 2   | 21    | 63  | 27    | 6   | 23   |
| 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°    | 534.5 | 534.5 | 534.5 | 534.5 | 534.5 |
| 1°    | 534.1 | 533.1 | 533.6 | 534.1 | 534.5 |
| 2°    | 529.8 | 528.9 | 528.9 | 529.4 | 529.4 |
| 3°    | 524.7 | 522.8 | 522.8 | 522.4 | 522.4 |
| 4°    | 517.7 | 516.3 | 515.3 | 514.9 | 514.9 |
| 5°    | 511.1 | 509.7 | 508.3 | 507.4 | 506.9 |
| 6°    | 505.5 | 503.2 | 501.3 | 500.9 | 501.3 |
| 7°    | 499.0 | 497.6 | 495.7 | 494.3 | 494.8 |
| 8°    | 494.3 | 492.4 | 490.1 | 489.2 | 489.2 |
| 9°    | 490.1 | 488.2 | 485.9 | 484.0 | 485.0 |
| 10°   | 485.4 | 483.5 | 481.2 | 479.8 | 480.3 |
| 11°   | 482.1 | 479.8 | 477.0 | 476.1 | 476.5 |
| 12°   | 478.4 | 475.6 | 472.8 | 472.3 | 473.3 |
| 13°   | 473.7 | 470.9 | 468.1 | 468.1 | 469.1 |
| 14°   | 469.5 | 466.2 | 463.4 | 463.4 | 464.8 |
| 15°   | 464.8 | 461.6 | 458.3 | 458.3 | 459.2 |
| 17.5° | 450.8 | 448.0 | 444.7 | 444.7 | 445.2 |
| 20°   | 433.0 | 431.6 | 428.8 | 427.4 | 427.9 |
| 22.5° | 410.6 | 410.6 | 409.2 | 406.9 | 405.9 |
| 25°   | 387.7 | 389.6 | 388.6 | 384.9 | 382.5 |
| 27.5° | 363.8 | 367.1 | 367.6 | 362.0 | 357.8 |
| 30°   | 339.0 | 341.9 | 343.7 | 337.2 | 330.6 |
| 32.5° | 302.6 | 311.0 | 315.7 | 306.8 | 293.2 |
| 35°   | 262.4 | 266.1 | 275.0 | 263.3 | 252.1 |
| 37.5° | 213.2 | 217.9 | 225.4 | 216.1 | 209.5 |
| 40°   | 141.2 | 159.9 | 164.6 | 159.9 | 145.0 |
| 42.5° | 51.0  | 89.8  | 108.0 | 91.7  | 59.9  |
| 45°   | 1.9   | 21.0  | 63.1  | 27.1  | 6.5   |
| 47.5° | 0.0   | 0.5   | 28.5  | 0.9   | 0.0   |
| 50°   | 0.0   | 0.0   | 6.1   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.5   | 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)