

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: P1315355

Luminaire Tested: LDSQA3D05R559735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R559735DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

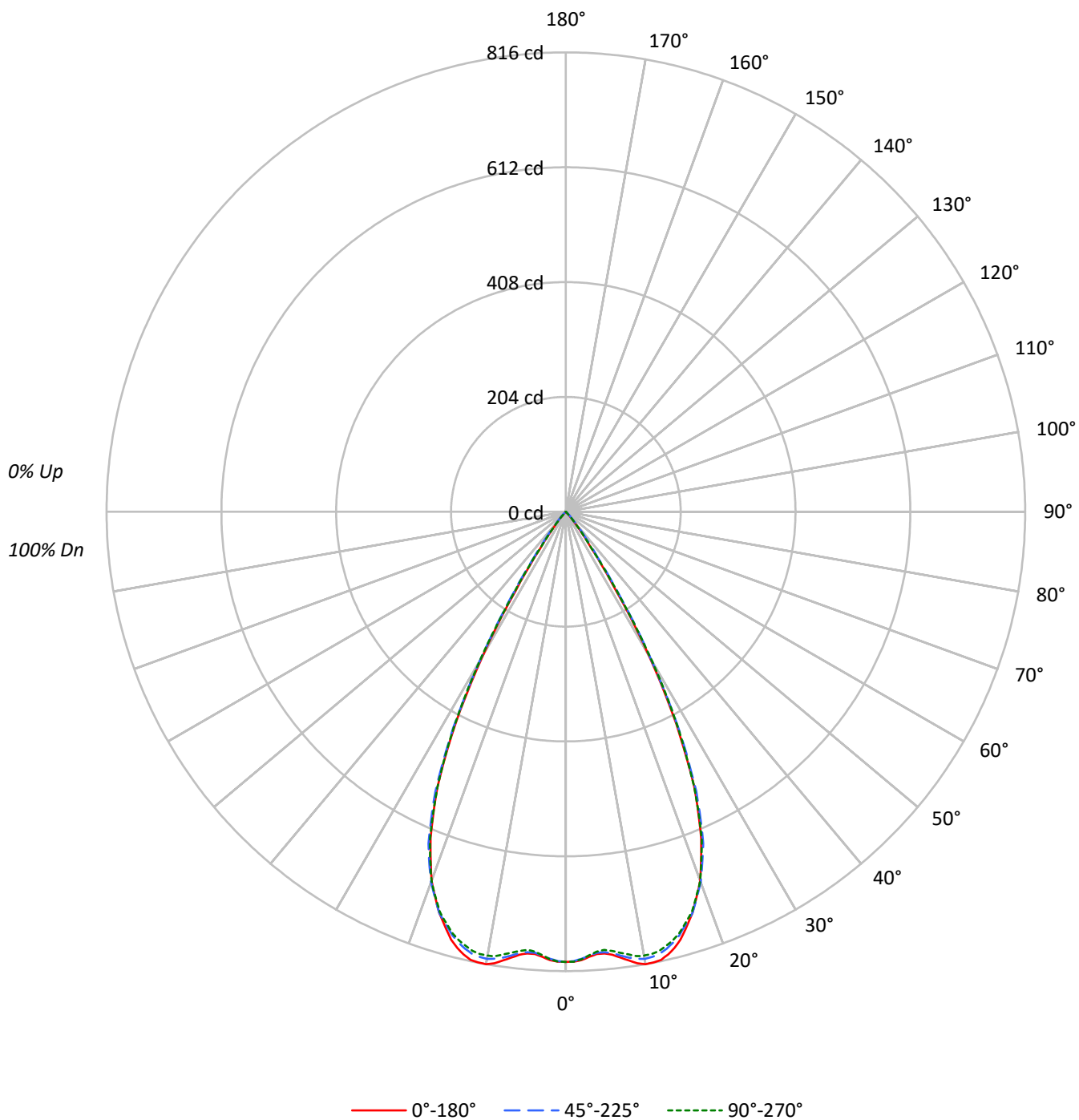
Lumens per Lamp: N/A  
Luminaire Lumens: 608.0 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  | 92  | 90  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 65  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 137726 | 137726 | 137726 |
| 5°  | 136161 | 135763 | 135037 |
| 10° | 142719 | 141005 | 140026 |
| 15° | 140338 | 138841 | 138341 |
| 20° | 127835 | 128348 | 127926 |
| 25° | 102557 | 104154 | 102557 |
| 30° | 58864  | 60356  | 60813  |
| 35° | 16778  | 20226  | 17282  |
| 40° | 4294   | 6183   | 4406   |
| 45° | 463    | 2168   | 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: 2168 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 75.9   | 12.5      |
| 10°-20°   | 216.7  | 35.6      |
| 20°-30°   | 238.7  | 39.3      |
| 30°-40°   | 71.2   | 11.7      |
| 40°-50°   | 5.5    | 0.9       |
| 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°    | 531.2  | 87.4      |
| 0°-40°    | 602.5  | 99.1      |
| 0°-60°    | 608.0  | 100.0     |
| 0°-90°    | 608.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 608.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 800 | 800   | 800 | 800   | 800 |      |
| 5°  | 788 | 786   | 785 | 782   | 781 | 76   |
| 15° | 787 | 782   | 779 | 776   | 776 | 218  |
| 25° | 540 | 540   | 548 | 547   | 540 | 236  |
| 35° | 80  | 85    | 96  | 88    | 82  | 66   |
| 45° | 2   | 5     | 9   | 5     | 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   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 799.7 | 799.7 | 799.7 | 799.7 | 799.7 |
| 1°    | 799.3 | 799.3 | 798.3 | 797.9 | 799.3 |
| 2°    | 796.9 | 796.9 | 794.6 | 794.1 | 795.5 |
| 3°    | 791.8 | 791.3 | 789.5 | 788.1 | 789.0 |
| 4°    | 787.6 | 786.7 | 785.3 | 782.9 | 783.4 |
| 5°    | 787.6 | 786.2 | 785.3 | 782.0 | 781.1 |
| 6°    | 791.3 | 790.4 | 788.5 | 785.3 | 784.3 |
| 7°    | 797.9 | 796.0 | 794.1 | 789.9 | 789.0 |
| 8°    | 804.9 | 803.5 | 799.7 | 795.5 | 793.7 |
| 9°    | 811.9 | 808.6 | 803.9 | 799.7 | 799.3 |
| 10°   | 816.1 | 811.4 | 806.3 | 801.1 | 800.7 |
| 11°   | 815.6 | 811.4 | 805.3 | 800.7 | 800.2 |
| 12°   | 813.7 | 807.7 | 802.5 | 796.9 | 797.4 |
| 13°   | 807.2 | 801.6 | 796.5 | 792.3 | 791.3 |
| 14°   | 798.3 | 793.2 | 788.5 | 784.3 | 784.8 |
| 15°   | 787.1 | 781.5 | 778.7 | 775.5 | 775.9 |
| 17.5° | 747.4 | 746.0 | 747.4 | 743.7 | 745.1 |
| 20°   | 697.5 | 696.1 | 700.3 | 698.4 | 698.0 |
| 22.5° | 627.9 | 629.8 | 637.7 | 635.4 | 631.2 |
| 25°   | 539.7 | 539.7 | 548.1 | 547.2 | 539.7 |
| 27.5° | 424.8 | 428.1 | 433.2 | 435.6 | 430.0 |
| 30°   | 296.0 | 303.5 | 303.5 | 308.1 | 305.8 |
| 32.5° | 165.3 | 181.1 | 184.9 | 187.2 | 177.9 |
| 35°   | 79.8  | 85.0  | 96.2  | 87.8  | 82.2  |
| 37.5° | 38.3  | 40.6  | 51.8  | 42.0  | 39.2  |
| 40°   | 19.1  | 21.9  | 27.5  | 22.9  | 19.6  |
| 42.5° | 7.9   | 11.7  | 14.5  | 11.7  | 7.9   |
| 45°   | 1.9   | 4.7   | 8.9   | 4.7   | 1.4   |
| 47.5° | 0.0   | 0.5   | 4.2   | 0.9   | 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   |



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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)