

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: P1315748

Luminaire Tested: LDSQA3D17R259735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259735DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

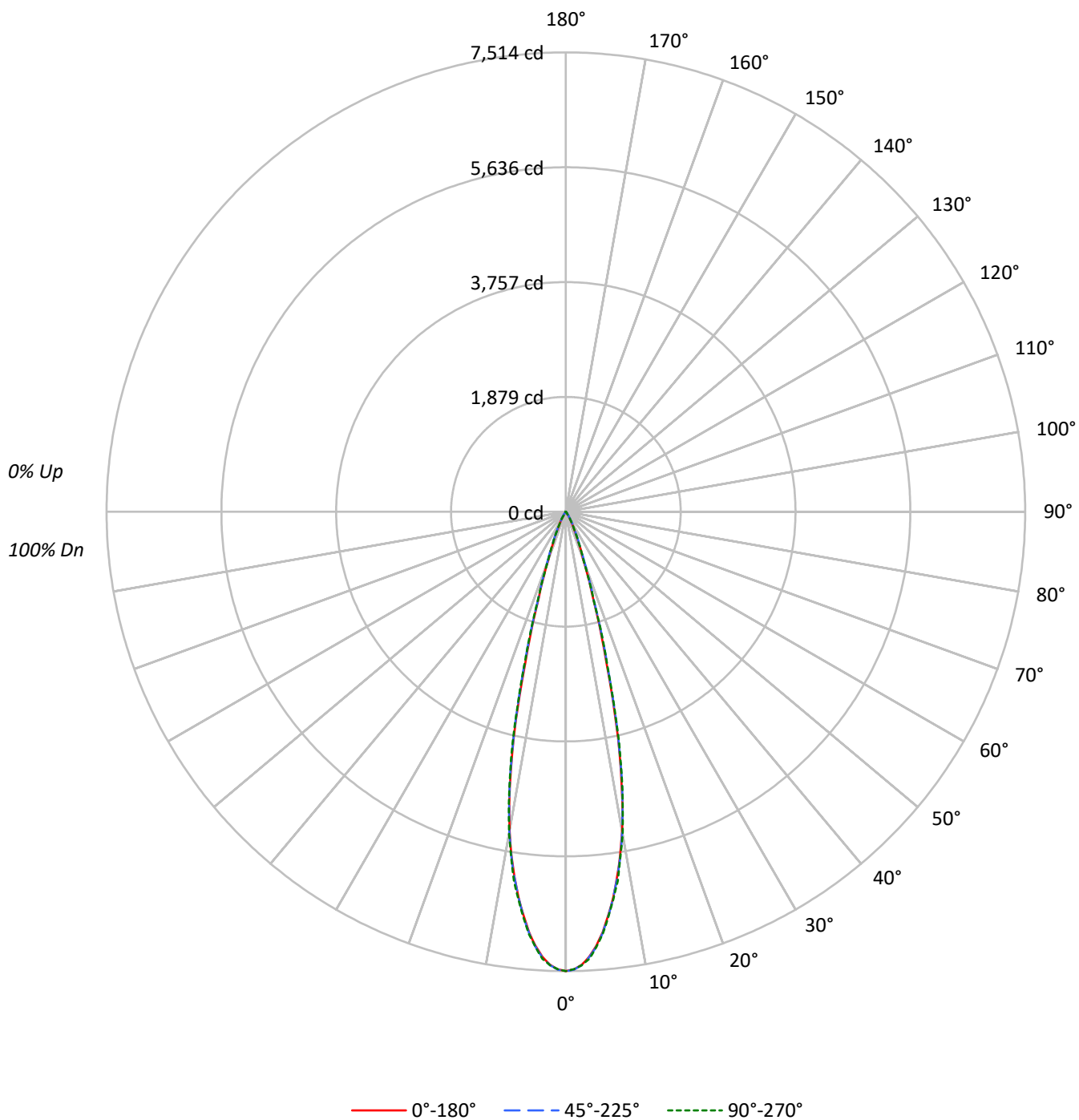
Lumens per Lamp: N/A  
Luminaire Lumens: 1564.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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  |     |     |     |    | 0  |
| 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 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 96 | 96 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 93 | 93 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 91 | 91 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 88 | 88 |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 86 | 86 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 83 | 83 |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 81 | 81 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 80  | 79 | 79 |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  | 77 | 77 |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 76  | 75 | 75 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1294029 | 1294029 | 1294029 |
| 5°  | 1193187 | 1195884 | 1198373 |
| 10° | 926424  | 929782  | 934818  |
| 15° | 457834  | 477090  | 477304  |
| 20° | 154153  | 164490  | 157232  |
| 25° | 63849   | 70918   | 65673   |
| 30° | 25057   | 31500   | 25296   |
| 35° | 6560    | 12867   | 6812    |
| 40° | 2428    | 5126    | 2428    |
| 45° | 292     | 1461    | 292     |
| 50° | 0       | 322     | 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: 1461 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 608.8  | 38.9      |
| 10°-20°   | 736.4  | 47.1      |
| 20°-30°   | 179.8  | 11.5      |
| 30°-40°   | 34.9   | 2.2       |
| 40°-50°   | 4.0    | 0.3       |
| 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       |
| 0°-30°    | 1525.1 | 97.5      |
| 0°-40°    | 1560.0 | 99.7      |
| 0°-60°    | 1564.0 | 100.0     |
| 0°-90°    | 1564.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1564.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7514 | 7514  | 7514 | 7514  | 7514 |      |
| 5°  | 6902 | 6911  | 6917 | 6947  | 6932 | 607  |
| 15° | 2568 | 2629  | 2676 | 2702  | 2677 | 723  |
| 25° | 336  | 354   | 373  | 358   | 346  | 171  |
| 35° | 31   | 44    | 61   | 44    | 32   | 28   |
| 45° | 1    | 4     | 6    | 4     | 1    | 2    |
| 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°    | 7513.7 | 7513.7 | 7513.7 | 7513.7 | 7513.7 |
| 1°    | 7484.9 | 7489.7 | 7490.9 | 7498.1 | 7483.7 |
| 2°    | 7416.5 | 7417.7 | 7421.3 | 7435.7 | 7422.5 |
| 3°    | 7290.5 | 7298.9 | 7300.1 | 7319.3 | 7322.9 |
| 4°    | 7118.9 | 7123.7 | 7133.3 | 7165.7 | 7136.9 |
| 5°    | 6901.8 | 6911.4 | 6917.4 | 6947.4 | 6931.8 |
| 6°    | 6633.0 | 6635.4 | 6648.6 | 6683.4 | 6661.8 |
| 7°    | 6359.4 | 6358.2 | 6359.4 | 6387.0 | 6381.0 |
| 8°    | 6029.4 | 6023.4 | 6042.6 | 6076.2 | 6099.0 |
| 9°    | 5685.1 | 5693.5 | 5705.5 | 5737.9 | 5711.5 |
| 10°   | 5297.5 | 5320.3 | 5316.7 | 5319.1 | 5345.5 |
| 11°   | 4851.2 | 4858.4 | 4859.6 | 4884.8 | 4881.2 |
| 12°   | 4326.8 | 4326.8 | 4366.4 | 4407.2 | 4394.0 |
| 13°   | 3797.7 | 3834.8 | 3808.5 | 3816.8 | 3869.6 |
| 14°   | 3180.9 | 3209.7 | 3245.7 | 3279.3 | 3252.9 |
| 15°   | 2567.8 | 2629.0 | 2675.8 | 2702.2 | 2677.0 |
| 17.5° | 1471.1 | 1491.5 | 1531.1 | 1535.9 | 1520.3 |
| 20°   | 841.1  | 866.3  | 897.5  | 887.9  | 857.9  |
| 22.5° | 529.2  | 536.4  | 567.5  | 551.9  | 544.8  |
| 25°   | 336.0  | 354.0  | 373.2  | 357.6  | 345.6  |
| 27.5° | 208.8  | 220.8  | 241.2  | 224.4  | 211.2  |
| 30°   | 126.0  | 136.8  | 158.4  | 135.6  | 127.2  |
| 32.5° | 66.0   | 81.6   | 99.6   | 82.8   | 66.0   |
| 35°   | 31.2   | 44.4   | 61.2   | 44.4   | 32.4   |
| 37.5° | 19.2   | 24.0   | 37.2   | 24.0   | 19.2   |
| 40°   | 10.8   | 15.6   | 22.8   | 15.6   | 10.8   |
| 42.5° | 4.8    | 8.4    | 10.8   | 8.4    | 6.0    |
| 45°   | 1.2    | 3.6    | 6.0    | 3.6    | 1.2    |
| 47.5° | 0.0    | 0.0    | 3.6    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.2    | 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)