

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: P1312959

Luminaire Tested: LDSQA3D24R159050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R159050D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

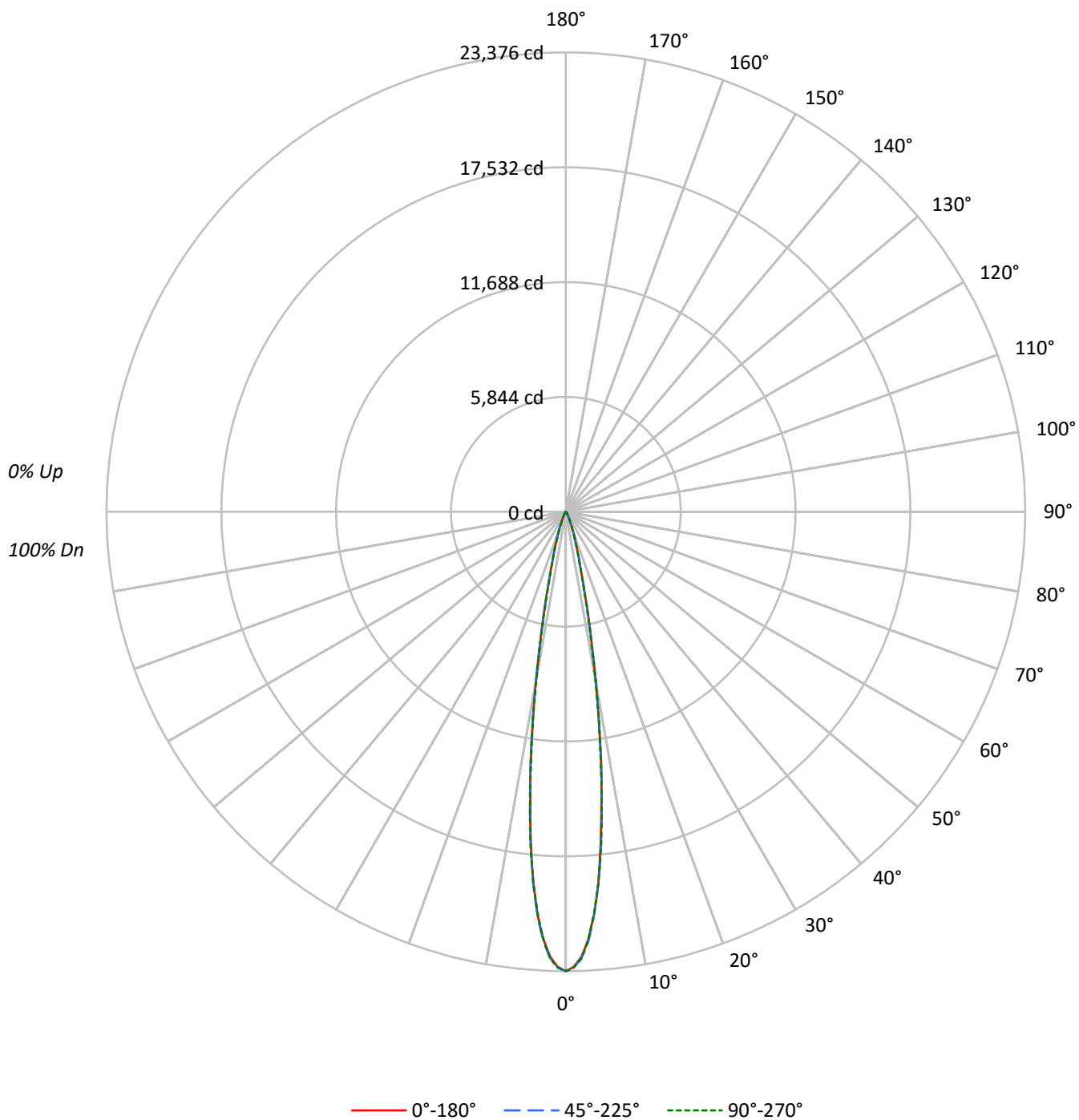
Lumens per Lamp: N/A  
Luminaire Lumens: 2609.0 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 4025963 | 4025963 | 4025963 |
| 5°  | 3277883 | 3288585 | 3282171 |
| 10° | 1529058 | 1542769 | 1523287 |
| 15° | 480157  | 484204  | 481262  |
| 20° | 190240  | 197809  | 184192  |
| 25° | 76866   | 92942   | 74110   |
| 30° | 30784   | 42279   | 29134   |
| 35° | 9104    | 18649   | 8683    |
| 40° | 2788    | 6969    | 2316    |
| 45° | 511     | 1510    | 511     |
| 50° | 0       | 563     | 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: 1510 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1463.6 | 56.1      |
| 10°-20°   | 875.3  | 33.6      |
| 20°-30°   | 220.8  | 8.5       |
| 30°-40°   | 45.1   | 1.7       |
| 40°-50°   | 4.2    | 0.2       |
| 50°-60°   | 0.1    | 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°    | 2559.7 | 98.1      |
| 0°-40°    | 2604.8 | 99.8      |
| 0°-60°    | 2609.0 | 100.0     |
| 0°-90°    | 2609.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2609.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 23376 | 23376 | 23376 | 23376 | 23376 |      |
| 5°  | 18960 | 18925 | 19022 | 18975 | 18985 | 1459 |
| 15° | 2693  | 2716  | 2716  | 2676  | 2699  | 876  |
| 25° | 404   | 442   | 489   | 433   | 390   | 208  |
| 35° | 43    | 58    | 89    | 56    | 41    | 36   |
| 45° | 2     | 4     | 6     | 4     | 2     | 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°    | 23376.5 | 23376.5 | 23376.5 | 23376.5 | 23376.5 |
| 1°    | 23166.1 | 23244.5 | 23203.2 | 23236.2 | 23199.1 |
| 2°    | 22664.6 | 22769.8 | 22736.8 | 22726.5 | 22755.4 |
| 3°    | 21781.4 | 21903.1 | 21899.0 | 21868.0 | 21818.5 |
| 4°    | 20576.2 | 20526.7 | 20603.1 | 20594.8 | 20510.2 |
| 5°    | 18960.4 | 18925.3 | 19022.3 | 18974.9 | 18985.2 |
| 6°    | 16983.5 | 17136.2 | 17103.2 | 17107.3 | 17146.5 |
| 7°    | 14860.0 | 14942.6 | 15012.7 | 15070.5 | 14990.0 |
| 8°    | 12909.9 | 12889.3 | 12895.5 | 12961.5 | 12738.6 |
| 9°    | 10726.6 | 10854.6 | 10772.0 | 10640.0 | 10724.6 |
| 10°   | 8743.5  | 8821.9  | 8821.9  | 8706.4  | 8710.5  |
| 11°   | 6970.9  | 7034.8  | 6989.4  | 7018.3  | 6836.7  |
| 12°   | 5619.2  | 5460.3  | 5423.2  | 5452.1  | 5450.0  |
| 13°   | 4290.2  | 4300.6  | 4290.2  | 4288.2  | 4267.5  |
| 14°   | 3363.7  | 3417.3  | 3394.6  | 3338.9  | 3314.2  |
| 15°   | 2693.0  | 2715.7  | 2715.7  | 2676.5  | 2699.2  |
| 17.5° | 1617.9  | 1644.7  | 1650.9  | 1624.1  | 1624.1  |
| 20°   | 1038.0  | 1050.4  | 1079.3  | 1040.1  | 1005.0  |
| 22.5° | 639.7   | 666.5   | 716.1   | 658.3   | 629.4   |
| 25°   | 404.5   | 441.6   | 489.1   | 433.4   | 390.0   |
| 27.5° | 253.8   | 284.8   | 326.0   | 272.4   | 245.6   |
| 30°   | 154.8   | 175.4   | 212.6   | 171.3   | 146.5   |
| 32.5° | 86.7    | 103.2   | 134.1   | 99.1    | 82.5    |
| 35°   | 43.3    | 57.8    | 88.7    | 55.7    | 41.3    |
| 37.5° | 24.8    | 31.0    | 55.7    | 26.8    | 22.7    |
| 40°   | 12.4    | 16.5    | 31.0    | 16.5    | 10.3    |
| 42.5° | 4.1     | 8.3     | 12.4    | 8.3     | 4.1     |
| 45°   | 2.1     | 4.1     | 6.2     | 4.1     | 2.1     |
| 47.5° | 0.0     | 0.0     | 2.1     | 0.0     | 0.0     |
| 50°   | 0.0     | 0.0     | 2.1     | 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)