

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: P1318307

Luminaire Tested: LDSQA3D13R159830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318307  
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: LDSQA3D13R159830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

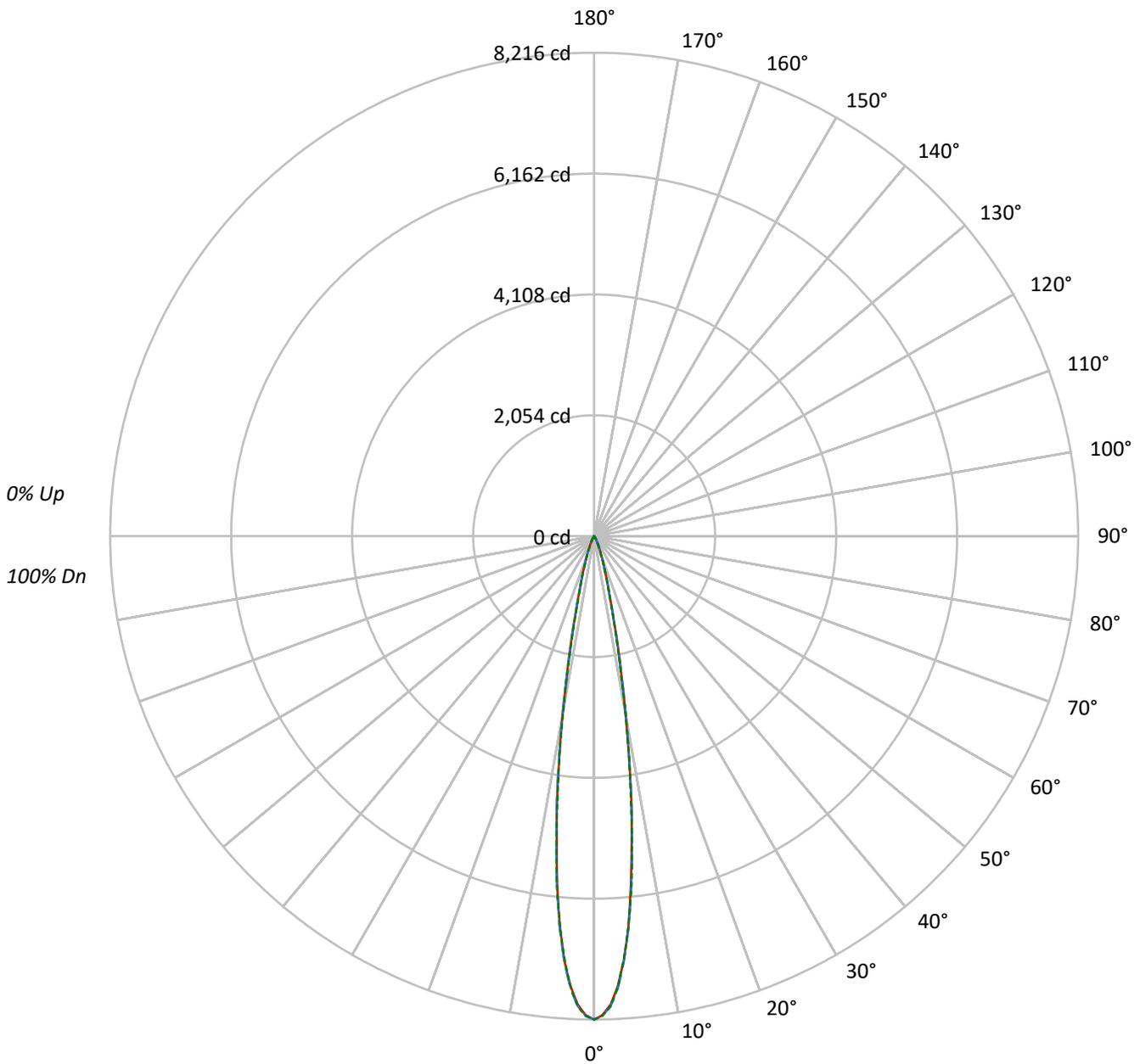
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 917.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 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): 14.5  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 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 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 98  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 98  | 96  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 96  | 95  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 95  | 93  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 93  | 91  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 92  | 90  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 90  | 88  | 86  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 89  | 87  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 88  | 85  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1415033 | 1415033 | 1415033 |
| 5°  | 1152093 | 1155862 | 1153597 |
| 10° | 537422  | 542249  | 535393  |
| 15° | 168759  | 170185  | 169151  |
| 20° | 66859   | 69516   | 64733   |
| 25° | 27022   | 32666   | 26053   |
| 30° | 10818   | 14855   | 10242   |
| 35° | 3196    | 6560    | 3049    |
| 40° | 989     | 2451    | 809     |
| 45° | 170     | 536     | 170     |
| 50° | 0       | 188     | 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: 536 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 514.4  | 56.1      |
| 10°-20°   | 307.7  | 33.6      |
| 20°-30°   | 77.6   | 8.5       |
| 30°-40°   | 15.8   | 1.7       |
| 40°-50°   | 1.5    | 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       |
| 0°-30°    | 899.7  | 98.1      |
| 0°-40°    | 915.5  | 99.8      |
| 0°-60°    | 917.0  | 100.0     |
| 0°-90°    | 917.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 917.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8216 | 8216  | 8216 | 8216  | 8216 |      |
| 5°  | 6664 | 6652  | 6686 | 6669  | 6673 | 513  |
| 15° | 946  | 954   | 954  | 941   | 949  | 308  |
| 25° | 142  | 155   | 172  | 152   | 137  | 73   |
| 35° | 15   | 20    | 31   | 20    | 14   | 13   |
| 45° | 1    | 2     | 2    | 2     | 1    | 1    |
| 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    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 8216.3 | 8216.3 | 8216.3 | 8216.3 | 8216.3 |
| 1°    | 8142.3 | 8169.9 | 8155.4 | 8167.0 | 8153.9 |
| 2°    | 7966.1 | 8003.0 | 7991.4 | 7987.8 | 7998.0 |
| 3°    | 7655.6 | 7698.4 | 7697.0 | 7686.1 | 7668.7 |
| 4°    | 7232.0 | 7214.6 | 7241.5 | 7238.6 | 7208.8 |
| 5°    | 6664.1 | 6651.8 | 6685.9 | 6669.2 | 6672.8 |
| 6°    | 5969.3 | 6023.0 | 6011.4 | 6012.8 | 6026.6 |
| 7°    | 5222.9 | 5252.0 | 5276.6 | 5296.9 | 5268.6 |
| 8°    | 4537.5 | 4530.3 | 4532.4 | 4555.7 | 4477.3 |
| 9°    | 3770.2 | 3815.1 | 3786.1 | 3739.7 | 3769.4 |
| 10°   | 3073.1 | 3100.7 | 3100.7 | 3060.1 | 3061.5 |
| 11°   | 2450.1 | 2472.6 | 2456.6 | 2466.8 | 2402.9 |
| 12°   | 1975.0 | 1919.2 | 1906.1 | 1916.3 | 1915.5 |
| 13°   | 1507.9 | 1511.5 | 1507.9 | 1507.2 | 1499.9 |
| 14°   | 1182.3 | 1201.1 | 1193.1 | 1173.5 | 1164.8 |
| 15°   | 946.5  | 954.5  | 954.5  | 940.7  | 948.7  |
| 17.5° | 568.6  | 578.1  | 580.2  | 570.8  | 570.8  |
| 20°   | 364.8  | 369.2  | 379.3  | 365.6  | 353.2  |
| 22.5° | 224.8  | 234.3  | 251.7  | 231.4  | 221.2  |
| 25°   | 142.2  | 155.2  | 171.9  | 152.3  | 137.1  |
| 27.5° | 89.2   | 100.1  | 114.6  | 95.7   | 86.3   |
| 30°   | 54.4   | 61.7   | 74.7   | 60.2   | 51.5   |
| 32.5° | 30.5   | 36.3   | 47.1   | 34.8   | 29.0   |
| 35°   | 15.2   | 20.3   | 31.2   | 19.6   | 14.5   |
| 37.5° | 8.7    | 10.9   | 19.6   | 9.4    | 8.0    |
| 40°   | 4.4    | 5.8    | 10.9   | 5.8    | 3.6    |
| 42.5° | 1.5    | 2.9    | 4.4    | 2.9    | 1.5    |
| 45°   | 0.7    | 1.5    | 2.2    | 1.5    | 0.7    |
| 47.5° | 0.0    | 0.0    | 0.7    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.7    | 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)