

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: P1319067

Luminaire Tested: LDSQA3D09R259835DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319067  
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: LDSQA3D09R259835DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

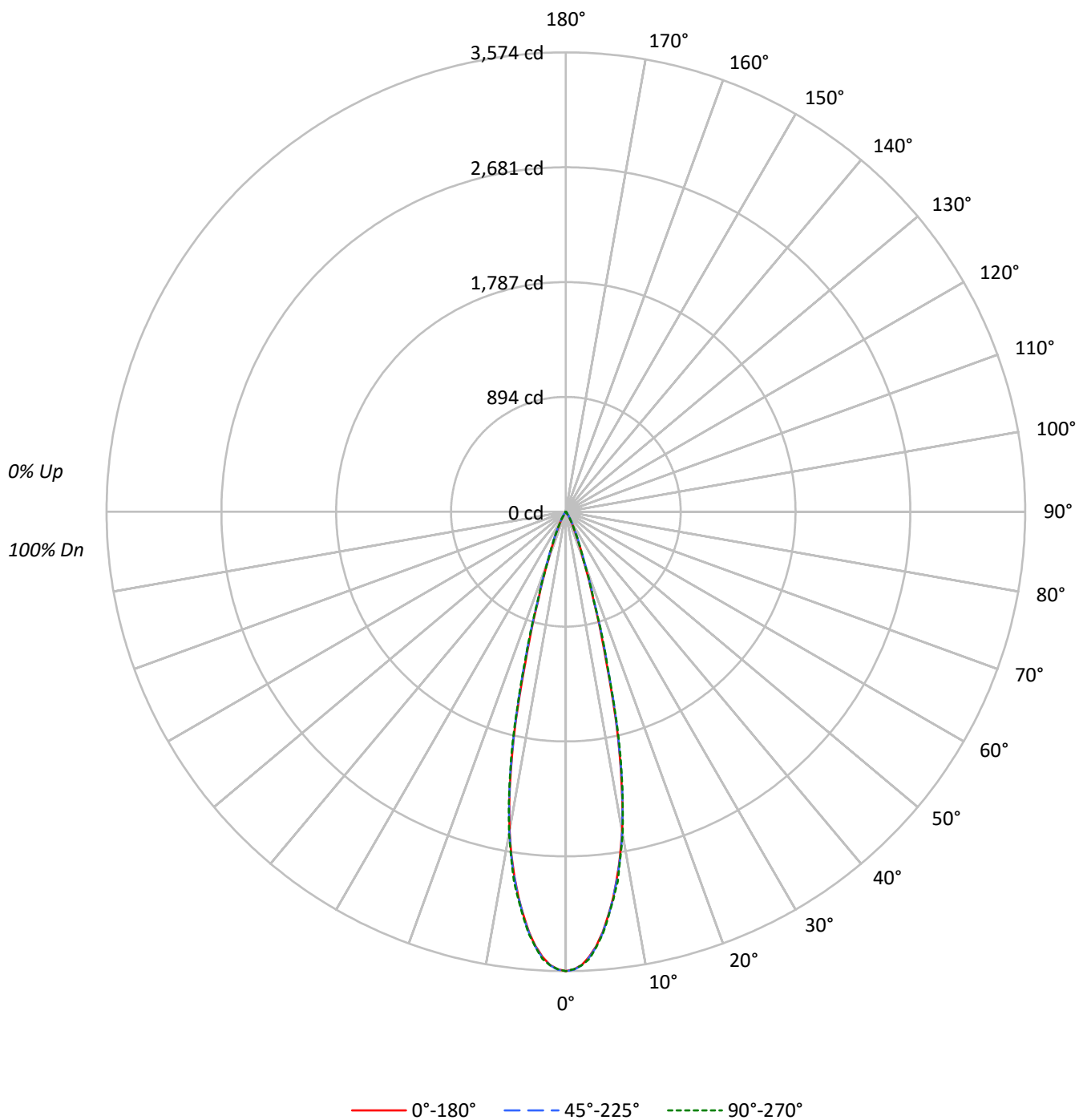
Lumens per Lamp: N/A  
Luminaire Lumens: 744.0 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 615575 | 615575 | 615575 |
| 5°  | 567601 | 568881 | 570073 |
| 10° | 440696 | 442305 | 444701 |
| 15° | 217791 | 226956 | 227045 |
| 20° | 73329  | 78259  | 74795  |
| 25° | 30366  | 33730  | 31240  |
| 30° | 11912  | 14975  | 12031  |
| 35° | 3112   | 6118   | 3238   |
| 40° | 1147   | 2428   | 1147   |
| 45° | 146    | 706    | 146    |
| 50° | 0      | 161    | 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: 706 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 289.6  | 38.9      |
| 10°-20°   | 350.3  | 47.1      |
| 20°-30°   | 85.5   | 11.5      |
| 30°-40°   | 16.6   | 2.2       |
| 40°-50°   | 1.9    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 725.5  | 97.5      |
| 0°-40°    | 742.1  | 99.7      |
| 0°-60°    | 744.0  | 100.0     |
| 0°-90°    | 744.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 744.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3574 | 3574  | 3574 | 3574  | 3574 |      |
| 5°  | 3283 | 3288  | 3291 | 3305  | 3298 | 289  |
| 15° | 1222 | 1251  | 1273 | 1285  | 1273 | 344  |
| 25° | 160  | 168   | 178  | 170   | 164  | 81   |
| 35° | 15   | 21    | 29   | 21    | 15   | 13   |
| 45° | 1    | 2     | 3    | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3574.3 | 3574.3 | 3574.3 | 3574.3 | 3574.3 |
| 1°    | 3560.6 | 3562.9 | 3563.5 | 3566.9 | 3560.0 |
| 2°    | 3528.1 | 3528.6 | 3530.3 | 3537.2 | 3530.9 |
| 3°    | 3468.1 | 3472.1 | 3472.7 | 3481.8 | 3483.5 |
| 4°    | 3386.5 | 3388.8 | 3393.4 | 3408.8 | 3395.1 |
| 5°    | 3283.2 | 3287.8 | 3290.6 | 3304.9 | 3297.5 |
| 6°    | 3155.3 | 3156.5 | 3162.8 | 3179.3 | 3169.0 |
| 7°    | 3025.2 | 3024.6 | 3025.2 | 3038.3 | 3035.5 |
| 8°    | 2868.2 | 2865.4 | 2874.5 | 2890.5 | 2901.3 |
| 9°    | 2704.4 | 2708.4 | 2714.1 | 2729.5 | 2717.0 |
| 10°   | 2520.0 | 2530.9 | 2529.2 | 2530.3 | 2542.9 |
| 11°   | 2307.7 | 2311.1 | 2311.7 | 2323.7 | 2322.0 |
| 12°   | 2058.3 | 2058.3 | 2077.1 | 2096.5 | 2090.2 |
| 13°   | 1806.6 | 1824.3 | 1811.7 | 1815.7 | 1840.8 |
| 14°   | 1513.2 | 1526.9 | 1544.0 | 1560.0 | 1547.4 |
| 15°   | 1221.5 | 1250.6 | 1272.9 | 1285.4 | 1273.4 |
| 17.5° | 699.8  | 709.5  | 728.3  | 730.6  | 723.2  |
| 20°   | 400.1  | 412.1  | 427.0  | 422.4  | 408.1  |
| 22.5° | 251.7  | 255.1  | 270.0  | 262.6  | 259.1  |
| 25°   | 159.8  | 168.4  | 177.5  | 170.1  | 164.4  |
| 27.5° | 99.3   | 105.0  | 114.7  | 106.7  | 100.5  |
| 30°   | 59.9   | 65.1   | 75.3   | 64.5   | 60.5   |
| 32.5° | 31.4   | 38.8   | 47.4   | 39.4   | 31.4   |
| 35°   | 14.8   | 21.1   | 29.1   | 21.1   | 15.4   |
| 37.5° | 9.1    | 11.4   | 17.7   | 11.4   | 9.1    |
| 40°   | 5.1    | 7.4    | 10.8   | 7.4    | 5.1    |
| 42.5° | 2.3    | 4.0    | 5.1    | 4.0    | 2.9    |
| 45°   | 0.6    | 1.7    | 2.9    | 1.7    | 0.6    |
| 47.5° | 0.0    | 0.0    | 1.7    | 0.6    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.6    | 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)