

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: P1319651

Luminaire Tested: LDSQA3D02R259840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319651  
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: LDSQA3D02R259840DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

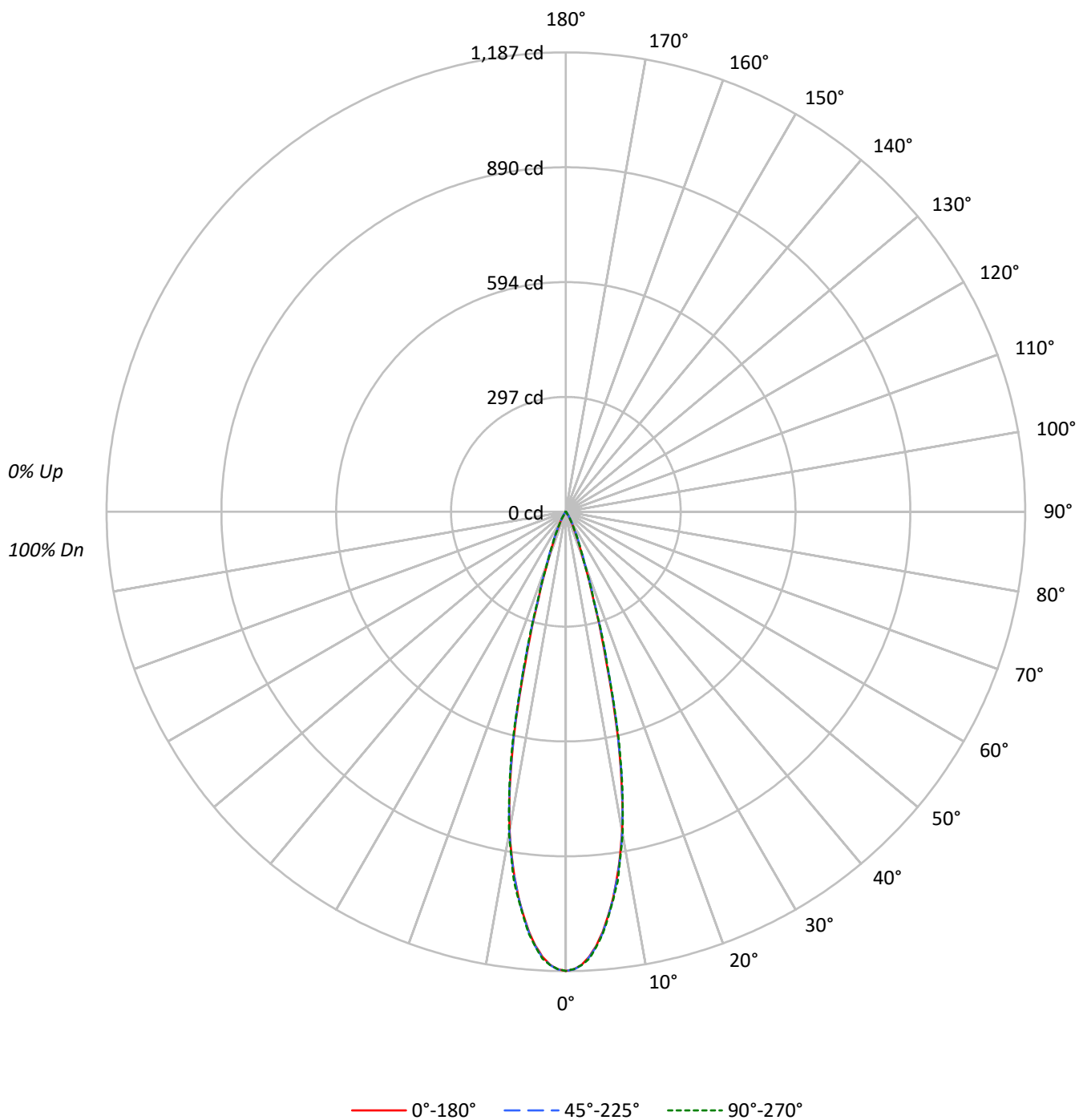
Lumens per Lamp: N/A  
Luminaire Lumens: 247.0 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 87 | 87 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 80  | 80 | 80 |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  | 78 | 78 |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 77  | 77 | 77 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 204359 | 204359 | 204359 |
| 5°  | 188440 | 188855 | 189252 |
| 10° | 146304 | 146846 | 147633 |
| 15° | 72300  | 75349  | 75384  |
| 20° | 24339  | 25970  | 24834  |
| 25° | 10090  | 11193  | 10375  |
| 30° | 3957   | 4972   | 3997   |
| 35° | 1030   | 2039   | 1072   |
| 40° | 382    | 809    | 382    |
| 45° | 49     | 219    | 49     |
| 50° | 0      | 54     | 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: 219 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 96.2   | 38.9      |
| 10°-20°   | 116.3  | 47.1      |
| 20°-30°   | 28.4   | 11.5      |
| 30°-40°   | 5.5    | 2.2       |
| 40°-50°   | 0.6    | 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°    | 240.8  | 97.5      |
| 0°-40°    | 246.4  | 99.7      |
| 0°-60°    | 247.0  | 100.0     |
| 0°-90°    | 247.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 247.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1187 | 1187  | 1187 | 1187  | 1187 |      |
| 5°  | 1090 | 1092  | 1092 | 1097  | 1095 | 96   |
| 15° | 406  | 415   | 423  | 427   | 423  | 114  |
| 25° | 53   | 56    | 59   | 56    | 55   | 27   |
| 35° | 5    | 7     | 10   | 7     | 5    | 4    |
| 45° | 0    | 1     | 1    | 1     | 0    | 0    |
| 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°    | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 |
| 1°    | 1182.1 | 1182.8 | 1183.0 | 1184.2 | 1181.9 |
| 2°    | 1171.3 | 1171.5 | 1172.0 | 1174.3 | 1172.2 |
| 3°    | 1151.4 | 1152.7 | 1152.9 | 1155.9 | 1156.5 |
| 4°    | 1124.3 | 1125.0 | 1126.6 | 1131.7 | 1127.1 |
| 5°    | 1090.0 | 1091.5 | 1092.4 | 1097.2 | 1094.7 |
| 6°    | 1047.5 | 1047.9 | 1050.0 | 1055.5 | 1052.1 |
| 7°    | 1004.3 | 1004.1 | 1004.3 | 1008.7 | 1007.7 |
| 8°    | 952.2  | 951.3  | 954.3  | 959.6  | 963.2  |
| 9°    | 897.8  | 899.2  | 901.1  | 906.2  | 902.0  |
| 10°   | 836.6  | 840.2  | 839.7  | 840.0  | 844.2  |
| 11°   | 766.1  | 767.3  | 767.5  | 771.4  | 770.9  |
| 12°   | 683.3  | 683.3  | 689.6  | 696.0  | 693.9  |
| 13°   | 599.8  | 605.6  | 601.5  | 602.8  | 611.1  |
| 14°   | 502.4  | 506.9  | 512.6  | 517.9  | 513.7  |
| 15°   | 405.5  | 415.2  | 422.6  | 426.7  | 422.8  |
| 17.5° | 232.3  | 235.5  | 241.8  | 242.6  | 240.1  |
| 20°   | 132.8  | 136.8  | 141.7  | 140.2  | 135.5  |
| 22.5° | 83.6   | 84.7   | 89.6   | 87.2   | 86.0   |
| 25°   | 53.1   | 55.9   | 58.9   | 56.5   | 54.6   |
| 27.5° | 33.0   | 34.9   | 38.1   | 35.4   | 33.4   |
| 30°   | 19.9   | 21.6   | 25.0   | 21.4   | 20.1   |
| 32.5° | 10.4   | 12.9   | 15.7   | 13.1   | 10.4   |
| 35°   | 4.9    | 7.0    | 9.7    | 7.0    | 5.1    |
| 37.5° | 3.0    | 3.8    | 5.9    | 3.8    | 3.0    |
| 40°   | 1.7    | 2.5    | 3.6    | 2.5    | 1.7    |
| 42.5° | 0.8    | 1.3    | 1.7    | 1.3    | 0.9    |
| 45°   | 0.2    | 0.6    | 0.9    | 0.6    | 0.2    |
| 47.5° | 0.0    | 0.0    | 0.6    | 0.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.2    | 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)