

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: P1316412

Luminaire Tested: LDSQA3D09R259740DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259740DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

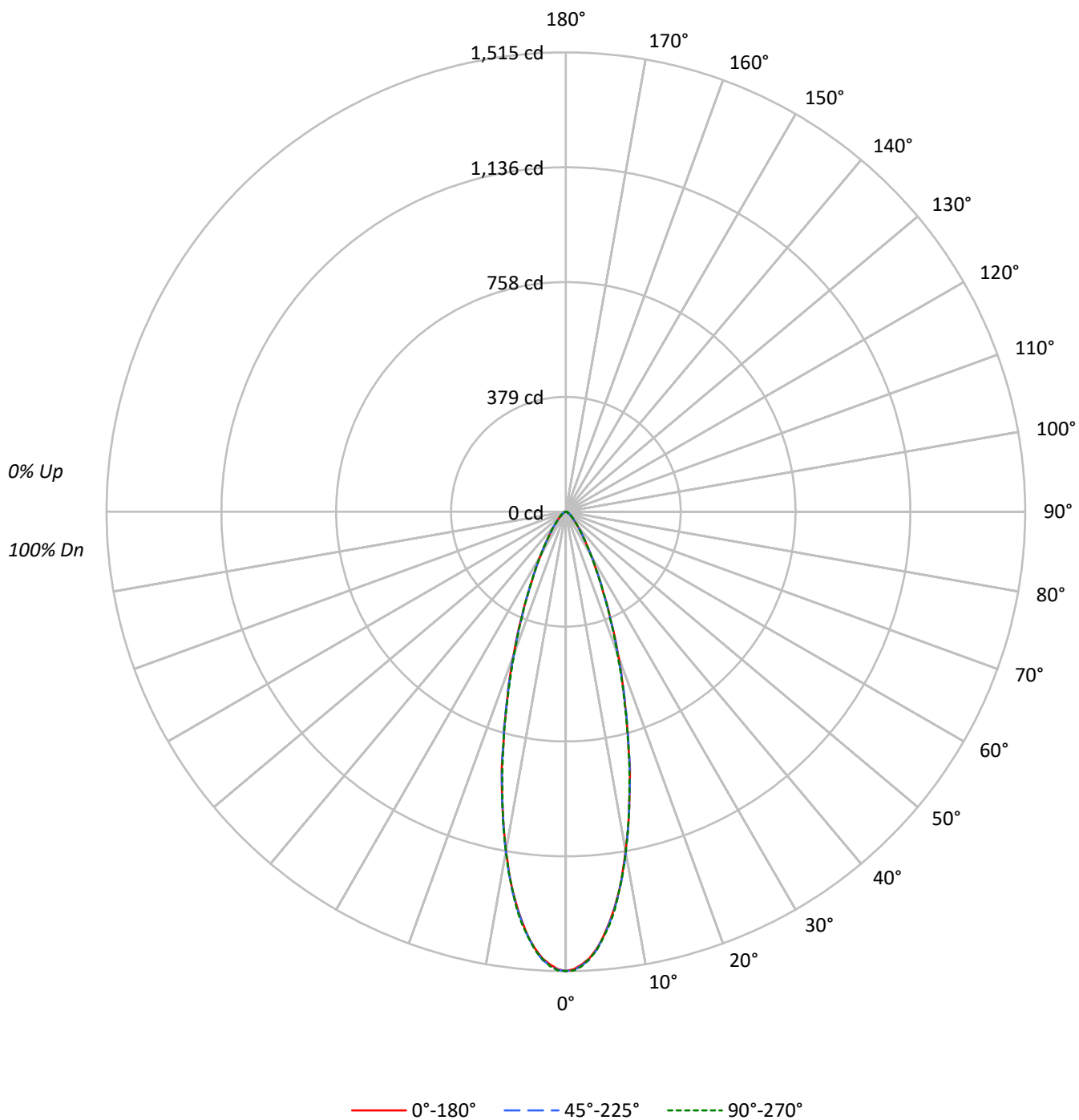
Lumens per Lamp: N/A  
Luminaire Lumens: 607.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 72  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 260900 | 260900 | 260900 |
| 5°  | 243519 | 243762 | 243883 |
| 10° | 198628 | 199258 | 199258 |
| 15° | 141872 | 142638 | 141872 |
| 20° | 92847  | 91949  | 90648  |
| 25° | 55203  | 55469  | 55203  |
| 30° | 33250  | 33250  | 33111  |
| 35° | 20268  | 20415  | 20268  |
| 40° | 12905  | 13062  | 13062  |
| 45° | 8963   | 8963   | 8963   |
| 50° | 6457   | 6645   | 6645   |
| 55° | 5104   | 5104   | 5315   |
| 60° | 4133   | 4409   | 4409   |
| 65° | 3749   | 3749   | 3749   |
| 70° | 3223   | 3223   | 3575   |
| 75° | 2861   | 2861   | 3327   |
| 80° | 2777   | 2777   | 2777   |
| 85° | 1383   | 1383   | 1383   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8963 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 125.9  | 20.7      |
| 10°-20°   | 219.4  | 36.2      |
| 20°-30°   | 137.9  | 22.7      |
| 30°-40°   | 63.1   | 10.4      |
| 40°-50°   | 29.5   | 4.9       |
| 50°-60°   | 15.8   | 2.6       |
| 60°-70°   | 9.3    | 1.5       |
| 70°-80°   | 4.9    | 0.8       |
| 80°-90°   | 1.1    | 0.2       |
| 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°    | 483.3  | 79.6      |
| 0°-40°    | 546.4  | 90.0      |
| 0°-60°    | 591.7  | 97.5      |
| 0°-90°    | 607.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 607.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1515 | 1515  | 1515 | 1515  | 1515 |      |
| 5°  | 1409 | 1412  | 1410 | 1412  | 1411 | 126  |
| 15° | 796  | 801   | 800  | 801   | 796  | 219  |
| 25° | 290  | 294   | 292  | 292   | 290  | 138  |
| 35° | 96   | 96    | 97   | 97    | 96   | 63   |
| 45° | 37   | 37    | 37   | 37    | 37   | 29   |
| 55° | 17   | 17    | 17   | 18    | 18   | 16   |
| 65° | 9    | 9     | 9    | 9     | 9    | 9    |
| 75° | 4    | 4     | 4    | 5     | 5    | 5    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 |
| 1°    | 1508.5 | 1509.9 | 1511.4 | 1513.5 | 1512.8 |
| 2°    | 1494.4 | 1497.2 | 1497.9 | 1500.7 | 1500.0 |
| 3°    | 1475.2 | 1474.5 | 1480.2 | 1480.2 | 1476.6 |
| 4°    | 1445.5 | 1446.9 | 1448.3 | 1449.7 | 1450.4 |
| 5°    | 1408.6 | 1411.5 | 1410.0 | 1411.5 | 1410.7 |
| 6°    | 1363.3 | 1367.5 | 1366.8 | 1368.2 | 1370.4 |
| 7°    | 1315.1 | 1317.9 | 1317.9 | 1316.5 | 1322.2 |
| 8°    | 1262.7 | 1260.5 | 1264.1 | 1262.7 | 1261.9 |
| 9°    | 1200.3 | 1204.6 | 1205.3 | 1201.7 | 1203.1 |
| 10°   | 1135.8 | 1138.7 | 1139.4 | 1141.5 | 1139.4 |
| 11°   | 1072.1 | 1072.1 | 1073.5 | 1077.0 | 1071.3 |
| 12°   | 1002.6 | 1009.0 | 1002.6 | 1005.4 | 1002.6 |
| 13°   | 936.7  | 938.1  | 936.7  | 936.0  | 931.1  |
| 14°   | 874.4  | 869.4  | 870.8  | 865.2  | 865.9  |
| 15°   | 795.7  | 800.7  | 800.0  | 801.4  | 795.7  |
| 17.5° | 639.8  | 642.7  | 642.0  | 640.5  | 633.5  |
| 20°   | 506.6  | 506.6  | 501.7  | 498.8  | 494.6  |
| 22.5° | 386.9  | 385.5  | 383.3  | 381.2  | 382.6  |
| 25°   | 290.5  | 294.1  | 291.9  | 291.9  | 290.5  |
| 27.5° | 219.7  | 223.9  | 220.4  | 218.2  | 219.7  |
| 30°   | 167.2  | 168.6  | 167.2  | 166.5  | 166.5  |
| 32.5° | 126.1  | 126.8  | 126.1  | 126.1  | 126.1  |
| 35°   | 96.4   | 96.4   | 97.1   | 97.1   | 96.4   |
| 37.5° | 74.4   | 74.4   | 74.4   | 74.4   | 75.1   |
| 40°   | 57.4   | 58.1   | 58.1   | 58.1   | 58.1   |
| 42.5° | 45.3   | 46.1   | 46.1   | 46.1   | 46.1   |
| 45°   | 36.8   | 36.8   | 36.8   | 36.8   | 36.8   |
| 47.5° | 29.8   | 29.8   | 29.8   | 29.8   | 30.5   |
| 50°   | 24.1   | 24.8   | 24.8   | 24.8   | 24.8   |
| 52.5° | 20.5   | 20.5   | 20.5   | 20.5   | 20.5   |
| 55°   | 17.0   | 17.0   | 17.0   | 17.7   | 17.7   |
| 57.5° | 14.2   | 14.2   | 14.9   | 14.9   | 14.9   |
| 60°   | 12.0   | 12.8   | 12.8   | 12.8   | 12.8   |
| 62.5° | 10.6   | 10.6   | 11.3   | 11.3   | 11.3   |
| 65°   | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    |
| 67.5° | 7.8    | 7.8    | 7.8    | 7.8    | 8.5    |
| 70°   | 6.4    | 6.4    | 6.4    | 7.1    | 7.1    |
| 72.5° | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 75°   | 4.3    | 4.3    | 4.3    | 5.0    | 5.0    |
| 77.5° | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 80°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 82.5° | 1.4    | 1.4    | 2.1    | 2.1    | 2.1    |
| 85°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 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)