

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: P1306976

Luminaire Tested: LDSQA3D09R259024DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306976  
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: LDSQA3D09R259024DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

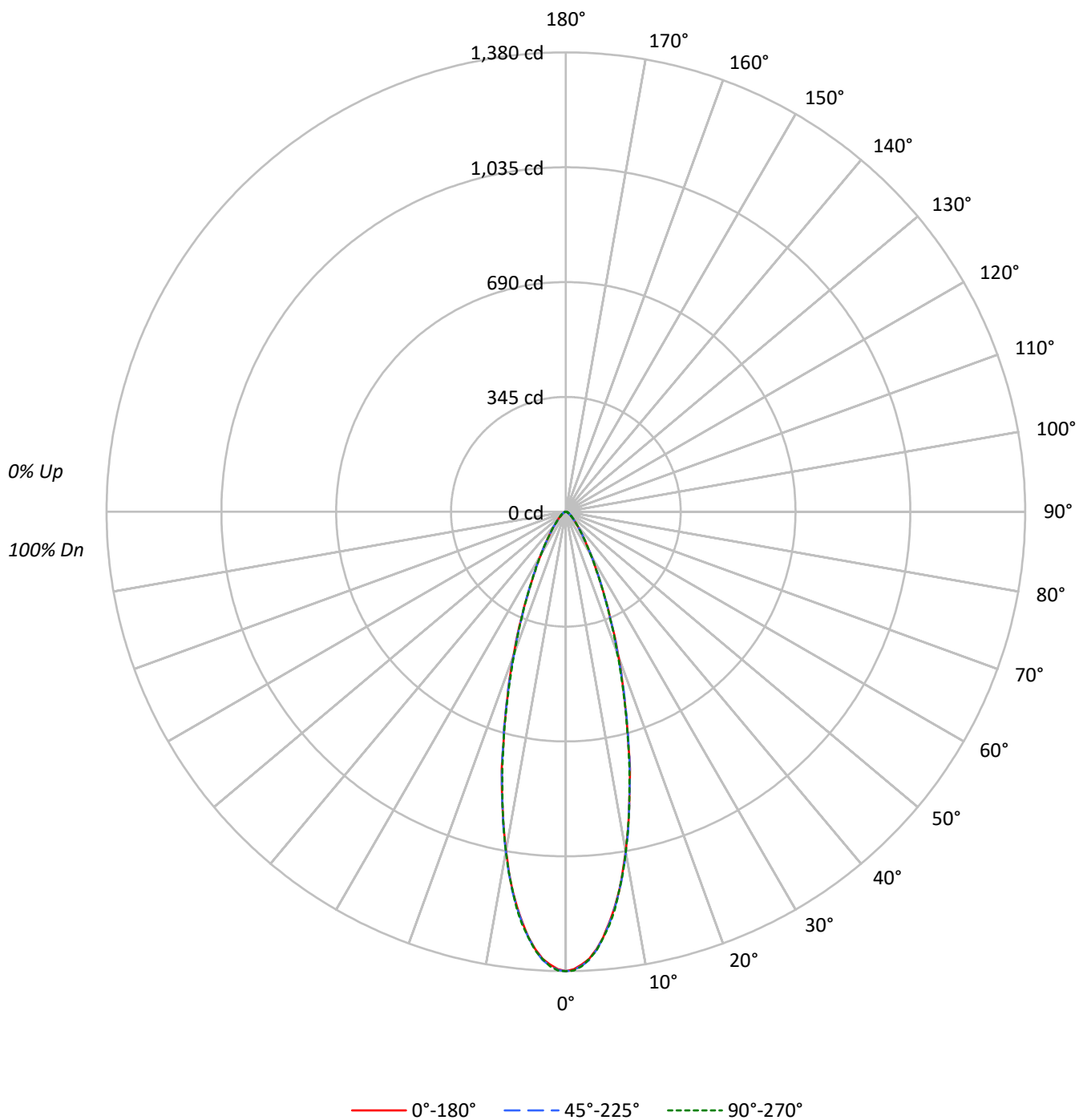
Lumens per Lamp: N/A  
Luminaire Lumens: 553.0 lumens  
Efficiency: N/A  
Efficacy: 49.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1306976

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQPHRL1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1306976

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQPHRL1MMS

**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°  | 237684 | 237684 | 237684 |
| 5°  | 221858 | 222082 | 222186 |
| 10° | 180965 | 181525 | 181525 |
| 15° | 129248 | 129944 | 129248 |
| 20° | 84600  | 83757  | 82584  |
| 25° | 50300  | 50547  | 50300  |
| 30° | 30287  | 30287  | 30168  |
| 35° | 18460  | 18586  | 18460  |
| 40° | 11758  | 11893  | 11893  |
| 45° | 8184   | 8184   | 8184   |
| 50° | 5868   | 6055   | 6055   |
| 55° | 4654   | 4654   | 4834   |
| 60° | 3789   | 3996   | 3996   |
| 65° | 3423   | 3423   | 3423   |
| 70° | 2921   | 2921   | 3273   |
| 75° | 2595   | 2595   | 2994   |
| 80° | 2579   | 2579   | 2579   |
| 85° | 1186   | 1186   | 1186   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8184 cd/sqm

TEST NUMBER: P1306976

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQPHRL1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.7  | 20.7      |
| 10°-20°   | 199.9  | 36.2      |
| 20°-30°   | 125.7  | 22.7      |
| 30°-40°   | 57.5   | 10.4      |
| 40°-50°   | 26.9   | 4.9       |
| 50°-60°   | 14.4   | 2.6       |
| 60°-70°   | 8.5    | 1.5       |
| 70°-80°   | 4.4    | 0.8       |
| 80°-90°   | 1.0    | 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       |
| 0°-30°    | 440.3  | 79.6      |
| 0°-40°    | 497.8  | 90.0      |
| 0°-60°    | 539.1  | 97.5      |
| 0°-90°    | 553.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 553.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1380 | 1380  | 1380 | 1380  | 1380 |      |
| 5°  | 1283 | 1286  | 1285 | 1286  | 1285 | 114  |
| 15° | 725  | 729   | 729  | 730   | 725  | 200  |
| 25° | 265  | 268   | 266  | 266   | 265  | 126  |
| 35° | 88   | 88    | 88   | 88    | 88   | 57   |
| 45° | 34   | 34    | 34   | 34    | 34   | 27   |
| 55° | 16   | 16    | 16   | 16    | 16   | 14   |
| 65° | 8    | 8     | 8    | 8     | 8    | 8    |
| 75° | 4    | 4     | 4    | 4     | 4    | 4    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1306976

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQPHRL1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1380.1 | 1380.1 | 1380.1 | 1380.1 | 1380.1 |
| 1°    | 1374.3 | 1375.6 | 1376.9 | 1378.8 | 1378.2 |
| 2°    | 1361.4 | 1364.0 | 1364.6 | 1367.2 | 1366.6 |
| 3°    | 1344.0 | 1343.3 | 1348.5 | 1348.5 | 1345.3 |
| 4°    | 1316.9 | 1318.2 | 1319.5 | 1320.7 | 1321.4 |
| 5°    | 1283.3 | 1285.9 | 1284.6 | 1285.9 | 1285.2 |
| 6°    | 1242.0 | 1245.9 | 1245.2 | 1246.5 | 1248.4 |
| 7°    | 1198.1 | 1200.7 | 1200.7 | 1199.4 | 1204.6 |
| 8°    | 1150.3 | 1148.4 | 1151.6 | 1150.3 | 1149.7 |
| 9°    | 1093.5 | 1097.4 | 1098.0 | 1094.8 | 1096.1 |
| 10°   | 1034.8 | 1037.4 | 1038.0 | 1039.9 | 1038.0 |
| 11°   | 976.7  | 976.7  | 978.0  | 981.2  | 976.0  |
| 12°   | 913.4  | 919.2  | 913.4  | 916.0  | 913.4  |
| 13°   | 853.4  | 854.7  | 853.4  | 852.7  | 848.2  |
| 14°   | 796.6  | 792.1  | 793.4  | 788.2  | 788.8  |
| 15°   | 724.9  | 729.4  | 728.8  | 730.1  | 724.9  |
| 17.5° | 582.9  | 585.5  | 584.8  | 583.6  | 577.1  |
| 20°   | 461.6  | 461.6  | 457.0  | 454.5  | 450.6  |
| 22.5° | 352.5  | 351.2  | 349.2  | 347.3  | 348.6  |
| 25°   | 264.7  | 267.9  | 266.0  | 266.0  | 264.7  |
| 27.5° | 200.1  | 204.0  | 200.8  | 198.8  | 200.1  |
| 30°   | 152.3  | 153.6  | 152.3  | 151.7  | 151.7  |
| 32.5° | 114.9  | 115.5  | 114.9  | 114.9  | 114.9  |
| 35°   | 87.8   | 87.8   | 88.4   | 88.4   | 87.8   |
| 37.5° | 67.8   | 67.8   | 67.8   | 67.8   | 68.4   |
| 40°   | 52.3   | 52.9   | 52.9   | 52.9   | 52.9   |
| 42.5° | 41.3   | 42.0   | 42.0   | 42.0   | 42.0   |
| 45°   | 33.6   | 33.6   | 33.6   | 33.6   | 33.6   |
| 47.5° | 27.1   | 27.1   | 27.1   | 27.1   | 27.8   |
| 50°   | 21.9   | 22.6   | 22.6   | 22.6   | 22.6   |
| 52.5° | 18.7   | 18.7   | 18.7   | 18.7   | 18.7   |
| 55°   | 15.5   | 15.5   | 15.5   | 16.1   | 16.1   |
| 57.5° | 12.9   | 12.9   | 13.6   | 13.6   | 13.6   |
| 60°   | 11.0   | 11.6   | 11.6   | 11.6   | 11.6   |
| 62.5° | 9.7    | 9.7    | 10.3   | 10.3   | 10.3   |
| 65°   | 8.4    | 8.4    | 8.4    | 8.4    | 8.4    |
| 67.5° | 7.1    | 7.1    | 7.1    | 7.1    | 7.7    |
| 70°   | 5.8    | 5.8    | 5.8    | 6.5    | 6.5    |
| 72.5° | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    |
| 75°   | 3.9    | 3.9    | 3.9    | 4.5    | 4.5    |
| 77.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 80°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 82.5° | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    |
| 85°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1306976  
CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)