

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: P1326148

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326148  
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: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

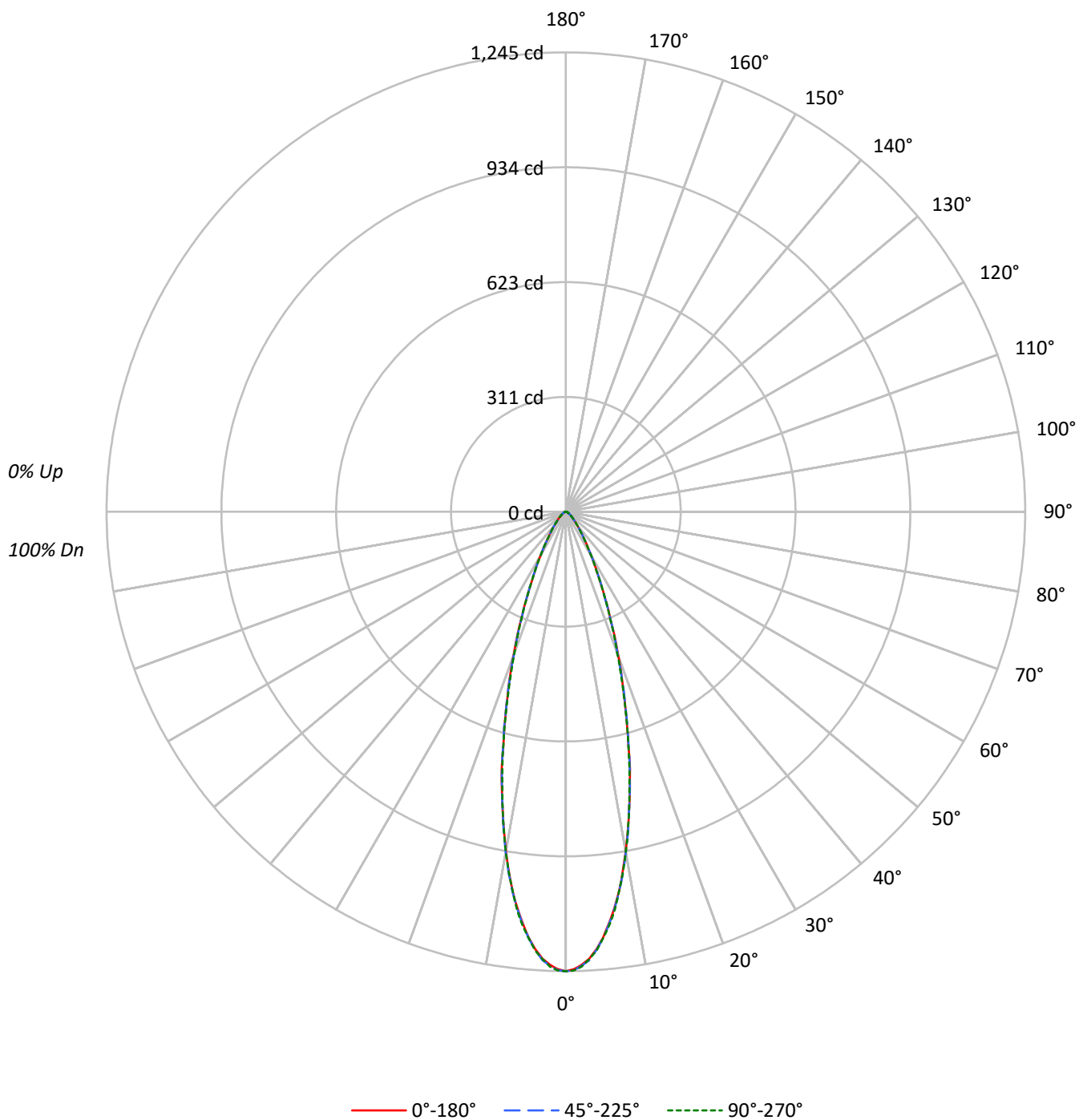
Lumens per Lamp: N/A  
Luminaire Lumens: 499.0 lumens  
Efficiency: N/A  
Efficacy: 55.4 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 94  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 92  | 90  | 90  | 90  | 88  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 85  | 85  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 80  | 80  | 79  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 76  | 76  | 74  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  | 79  | 76  | 72  | 78  | 75  | 72  | 72  | 72  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 71  | 69  | 69  | 69  | 67  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 66  | 66  | 64  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 66  | 63  | 63  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 63  | 60  | 67  | 63  | 60  | 60  | 60  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 214486 | 214486 | 214486 |
| 5°  | 200196 | 200403 | 200490 |
| 10° | 163285 | 163792 | 163792 |
| 15° | 116625 | 117249 | 116625 |
| 20° | 76334  | 75583  | 74520  |
| 25° | 45378  | 45606  | 45378  |
| 30° | 27344  | 27344  | 27225  |
| 35° | 16651  | 16778  | 16651  |
| 40° | 10612  | 10746  | 10746  |
| 45° | 7380   | 7380   | 7380   |
| 50° | 5305   | 5466   | 5466   |
| 55° | 4204   | 4204   | 4384   |
| 60° | 3410   | 3617   | 3617   |
| 65° | 3097   | 3097   | 3097   |
| 70° | 2618   | 2618   | 2921   |
| 75° | 2329   | 2329   | 2728   |
| 80° | 2281   | 2281   | 2281   |
| 85° | 1186   | 1186   | 1186   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7380 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 103.5  | 20.7      |
| 10°-20°   | 180.4  | 36.1      |
| 20°-30°   | 113.4  | 22.7      |
| 30°-40°   | 51.9   | 10.4      |
| 40°-50°   | 24.2   | 4.9       |
| 50°-60°   | 13.0   | 2.6       |
| 60°-70°   | 7.7    | 1.5       |
| 70°-80°   | 4.0    | 0.8       |
| 80°-90°   | 0.9    | 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°    | 397.3  | 79.6      |
| 0°-40°    | 449.2  | 90.0      |
| 0°-60°    | 486.5  | 97.5      |
| 0°-90°    | 499.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 499.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1245 | 1245  | 1245 | 1245  | 1245 |      |
| 5°  | 1158 | 1160  | 1159 | 1160  | 1160 | 103  |
| 15° | 654  | 658   | 658  | 659   | 654  | 180  |
| 25° | 239  | 242   | 240  | 240   | 239  | 114  |
| 35° | 79   | 79    | 80   | 80    | 79   | 52   |
| 45° | 30   | 30    | 30   | 30    | 30   | 24   |
| 55° | 14   | 14    | 14   | 15    | 15   | 13   |
| 65° | 8    | 8     | 8    | 8     | 8    | 7    |
| 75° | 4    | 4     | 4    | 4     | 4    | 4    |
| 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°    | 1245.4 | 1245.4 | 1245.4 | 1245.4 | 1245.4 |
| 1°    | 1240.1 | 1241.3 | 1242.5 | 1244.2 | 1243.6 |
| 2°    | 1228.5 | 1230.8 | 1231.4 | 1233.7 | 1233.1 |
| 3°    | 1212.7 | 1212.2 | 1216.8 | 1216.8 | 1213.9 |
| 4°    | 1188.3 | 1189.4 | 1190.6 | 1191.8 | 1192.4 |
| 5°    | 1158.0 | 1160.3 | 1159.2 | 1160.3 | 1159.7 |
| 6°    | 1120.7 | 1124.2 | 1123.6 | 1124.8 | 1126.5 |
| 7°    | 1081.1 | 1083.4 | 1083.4 | 1082.3 | 1086.9 |
| 8°    | 1038.0 | 1036.3 | 1039.2 | 1038.0 | 1037.4 |
| 9°    | 986.7  | 990.2  | 990.8  | 987.9  | 989.1  |
| 10°   | 933.7  | 936.1  | 936.6  | 938.4  | 936.6  |
| 11°   | 881.3  | 881.3  | 882.5  | 885.4  | 880.7  |
| 12°   | 824.2  | 829.5  | 824.2  | 826.6  | 824.2  |
| 13°   | 770.1  | 771.2  | 770.1  | 769.5  | 765.4  |
| 14°   | 718.8  | 714.7  | 715.9  | 711.2  | 711.8  |
| 15°   | 654.1  | 658.2  | 657.6  | 658.8  | 654.1  |
| 17.5° | 526.0  | 528.3  | 527.7  | 526.6  | 520.7  |
| 20°   | 416.5  | 416.5  | 412.4  | 410.1  | 406.6  |
| 22.5° | 318.0  | 316.9  | 315.1  | 313.4  | 314.5  |
| 25°   | 238.8  | 241.7  | 240.0  | 240.0  | 238.8  |
| 27.5° | 180.6  | 184.1  | 181.2  | 179.4  | 180.6  |
| 30°   | 137.5  | 138.6  | 137.5  | 136.9  | 136.9  |
| 32.5° | 103.7  | 104.3  | 103.7  | 103.7  | 103.7  |
| 35°   | 79.2   | 79.2   | 79.8   | 79.8   | 79.2   |
| 37.5° | 61.2   | 61.2   | 61.2   | 61.2   | 61.7   |
| 40°   | 47.2   | 47.8   | 47.8   | 47.8   | 47.8   |
| 42.5° | 37.3   | 37.9   | 37.9   | 37.9   | 37.9   |
| 45°   | 30.3   | 30.3   | 30.3   | 30.3   | 30.3   |
| 47.5° | 24.5   | 24.5   | 24.5   | 24.5   | 25.0   |
| 50°   | 19.8   | 20.4   | 20.4   | 20.4   | 20.4   |
| 52.5° | 16.9   | 16.9   | 16.9   | 16.9   | 16.9   |
| 55°   | 14.0   | 14.0   | 14.0   | 14.6   | 14.6   |
| 57.5° | 11.6   | 11.6   | 12.2   | 12.2   | 12.2   |
| 60°   | 9.9    | 10.5   | 10.5   | 10.5   | 10.5   |
| 62.5° | 8.7    | 8.7    | 9.3    | 9.3    | 9.3    |
| 65°   | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    |
| 67.5° | 6.4    | 6.4    | 6.4    | 6.4    | 7.0    |
| 70°   | 5.2    | 5.2    | 5.2    | 5.8    | 5.8    |
| 72.5° | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    |
| 75°   | 3.5    | 3.5    | 3.5    | 4.1    | 4.1    |
| 77.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 80°   | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 82.5° | 1.2    | 1.2    | 1.7    | 1.7    | 1.7    |
| 85°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 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)