

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: P1325076

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1325076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R40W2N902750DE010 3LSQCDR1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

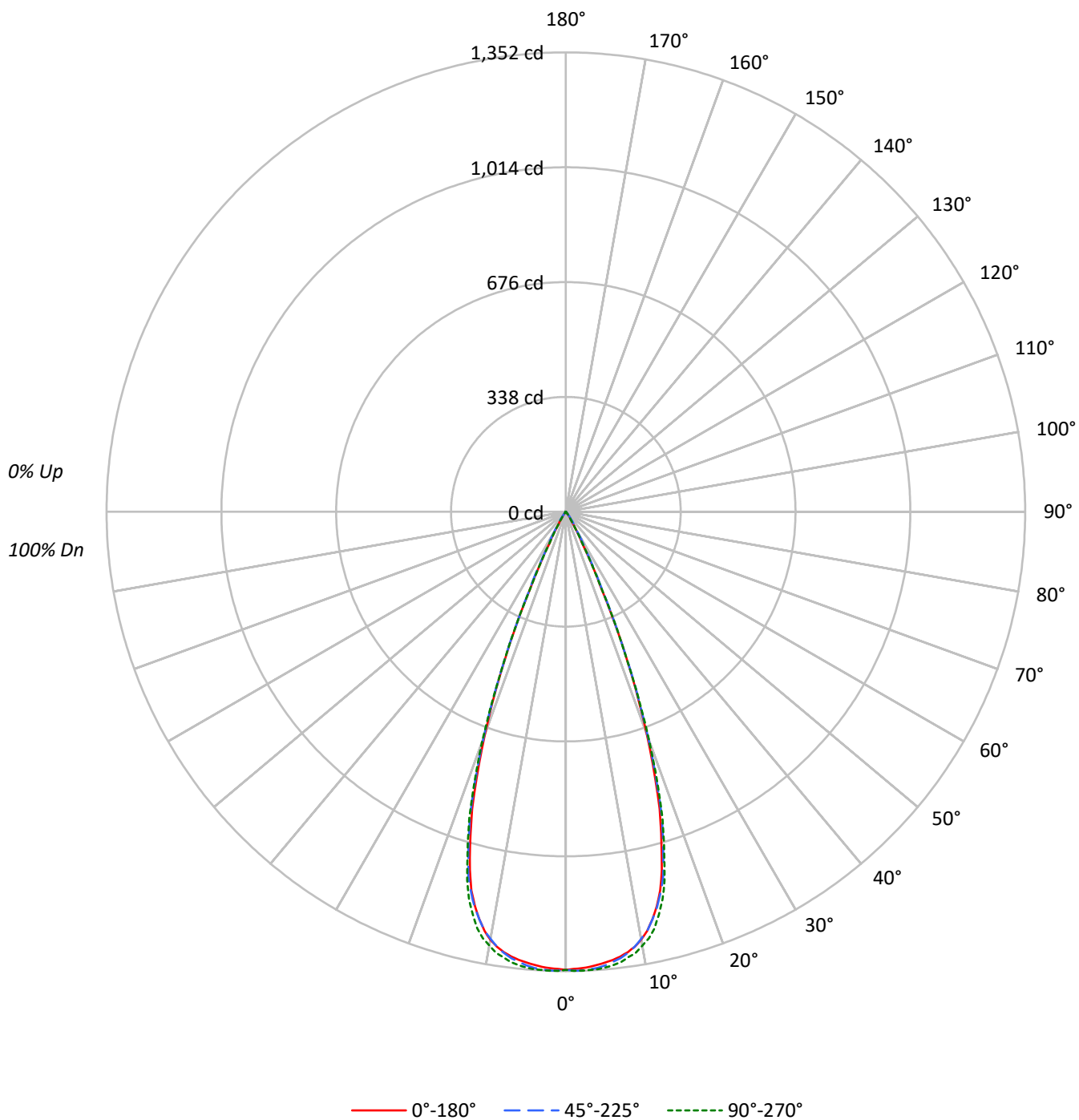
Lumens per Lamp: N/A  
Luminaire Lumens: 567.0 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 94  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 90  | 90  | 89  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 88  | 87  | 87  | 87  | 85  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83  | 82  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 80  | 80  | 79  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 78  | 82  | 80  | 77  | 77  | 77  | 76  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 75  | 75  | 73  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 77  | 74  | 72  | 72  | 72  | 71  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  | 76  | 72  | 70  | 75  | 72  | 70  | 70  | 70  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 232208 | 232208 | 232208 |
| 5°  | 230208 | 231660 | 232749 |
| 10° | 223653 | 223234 | 226714 |
| 15° | 194559 | 197697 | 200122 |
| 20° | 127688 | 130181 | 131867 |
| 25° | 45530  | 48172  | 45302  |
| 30° | 9923   | 13423  | 10003  |
| 35° | 3196   | 5550   | 3112   |
| 40° | 989    | 1709   | 899    |
| 45° | 97     | 585    | 97     |
| 50° | 0      | 107    | 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: 585 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.1  | 22.2      |
| 10°-20°   | 293.7  | 51.8      |
| 20°-30°   | 131.7  | 23.2      |
| 30°-40°   | 14.2   | 2.5       |
| 40°-50°   | 1.3    | 0.2       |
| 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°    | 551.4  | 97.3      |
| 0°-40°    | 565.7  | 99.8      |
| 0°-60°    | 567.0  | 100.0     |
| 0°-90°    | 567.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 567.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1348 | 1348  | 1348 | 1348  | 1348 |      |
| 5°  | 1332 | 1335  | 1340 | 1342  | 1346 | 126  |
| 15° | 1091 | 1099  | 1109 | 1115  | 1122 | 290  |
| 25° | 240  | 247   | 254  | 258   | 238  | 128  |
| 35° | 15   | 18    | 26   | 17    | 15   | 12   |
| 45° | 0    | 1     | 2    | 1     | 0    | 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°    | 1348.3 | 1348.3 | 1348.3 | 1348.3 | 1348.3 |
| 1°    | 1345.5 | 1348.3 | 1350.7 | 1348.7 | 1351.5 |
| 2°    | 1344.3 | 1347.5 | 1351.1 | 1349.1 | 1351.5 |
| 3°    | 1341.2 | 1345.1 | 1349.1 | 1347.9 | 1350.3 |
| 4°    | 1336.8 | 1340.0 | 1345.9 | 1345.9 | 1349.5 |
| 5°    | 1331.6 | 1335.2 | 1340.0 | 1342.0 | 1346.3 |
| 6°    | 1326.0 | 1328.0 | 1331.6 | 1335.6 | 1341.6 |
| 7°    | 1318.8 | 1318.8 | 1323.2 | 1327.2 | 1335.2 |
| 8°    | 1308.8 | 1308.0 | 1311.2 | 1316.4 | 1323.6 |
| 9°    | 1296.4 | 1293.6 | 1296.0 | 1303.6 | 1314.4 |
| 10°   | 1278.9 | 1276.5 | 1276.5 | 1286.1 | 1296.4 |
| 11°   | 1256.1 | 1255.3 | 1255.7 | 1264.9 | 1278.9 |
| 12°   | 1225.4 | 1226.2 | 1226.2 | 1236.5 | 1253.7 |
| 13°   | 1190.6 | 1190.2 | 1193.8 | 1205.4 | 1217.0 |
| 14°   | 1148.3 | 1150.7 | 1154.3 | 1164.7 | 1176.7 |
| 15°   | 1091.2 | 1099.2 | 1108.8 | 1115.2 | 1122.4 |
| 17.5° | 917.5  | 925.5  | 938.7  | 943.9  | 945.5  |
| 20°   | 696.7  | 708.3  | 710.3  | 720.7  | 719.5  |
| 22.5° | 467.1  | 466.3  | 467.9  | 469.1  | 469.5  |
| 25°   | 239.6  | 246.8  | 253.5  | 257.9  | 238.4  |
| 27.5° | 104.2  | 116.6  | 125.4  | 113.8  | 105.4  |
| 30°   | 49.9   | 56.7   | 67.5   | 57.1   | 50.3   |
| 32.5° | 27.2   | 31.5   | 42.7   | 31.1   | 26.8   |
| 35°   | 15.2   | 17.6   | 26.4   | 17.2   | 14.8   |
| 37.5° | 8.8    | 9.6    | 14.4   | 9.6    | 8.4    |
| 40°   | 4.4    | 5.6    | 7.6    | 5.6    | 4.0    |
| 42.5° | 1.6    | 2.8    | 4.0    | 2.8    | 1.6    |
| 45°   | 0.4    | 0.8    | 2.4    | 0.8    | 0.4    |
| 47.5° | 0.0    | 0.0    | 1.2    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.4    | 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)