

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: P1325132

Luminaire Tested: LDSQA3D05R40W2N902765DE010 3LSQCDR1MMS\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1325132  
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: LDSQA3D05R40W2N902765DE010 3LSQCDR1MMS\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

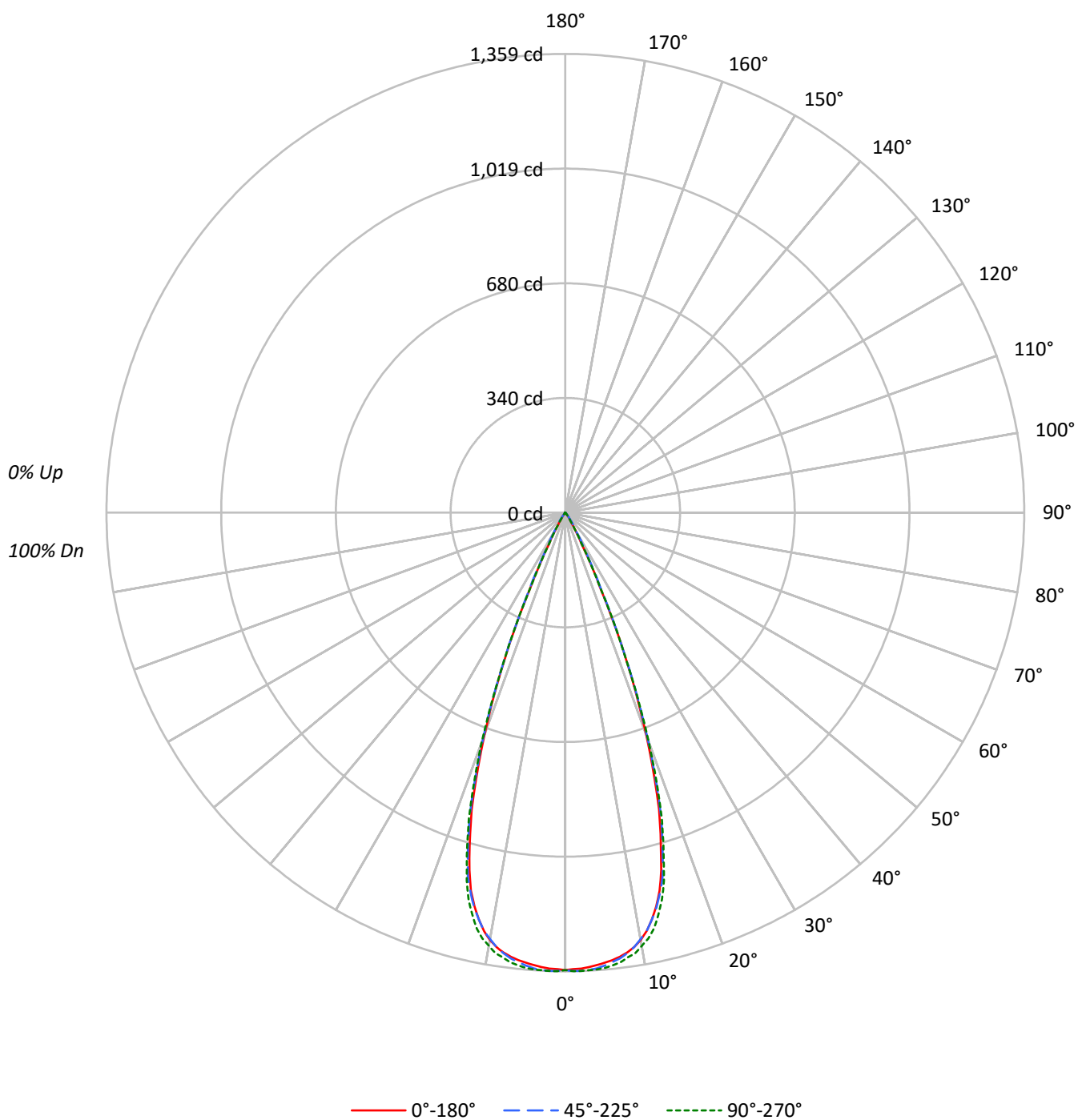
Lumens per Lamp: N/A  
Luminaire Lumens: 570.0 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  | 99  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 97  | 95  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  | 92  | 90  | 89  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  | 88  | 87  | 85  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  | 85  | 83  | 82  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  | 82  | 80  | 79  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  | 80  | 77  | 76  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  | 77  | 75  | 73  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  | 74  | 72  | 71  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 76  | 72  | 70  |  | 75  | 72  | 70  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 233448 | 233448 | 233448 |
| 5°  | 231418 | 232870 | 233994 |
| 10° | 224825 | 224405 | 227920 |
| 15° | 195593 | 198731 | 201174 |
| 20° | 128366 | 130877 | 132563 |
| 25° | 45758  | 48438  | 45530  |
| 30° | 9983   | 13483  | 10063  |
| 35° | 3217   | 5571   | 3133   |
| 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°    | 126.8  | 22.2      |
| 10°-20°   | 295.2  | 51.8      |
| 20°-30°   | 132.4  | 23.2      |
| 30°-40°   | 14.3   | 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       |
| 0°-30°    | 554.4  | 97.3      |
| 0°-40°    | 568.7  | 99.8      |
| 0°-60°    | 570.0  | 100.0     |
| 0°-90°    | 570.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 570.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1356 | 1356  | 1356 | 1356  | 1356 |      |
| 5°  | 1339 | 1342  | 1347 | 1349  | 1354 | 126  |
| 15° | 1097 | 1105  | 1115 | 1121  | 1128 | 292  |
| 25° | 241  | 248   | 255  | 259   | 240  | 129  |
| 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°    | 1355.5 | 1355.5 | 1355.5 | 1355.5 | 1355.5 |
| 1°    | 1352.7 | 1355.5 | 1357.9 | 1355.9 | 1358.7 |
| 2°    | 1351.5 | 1354.7 | 1358.3 | 1356.3 | 1358.7 |
| 3°    | 1348.3 | 1352.3 | 1356.3 | 1355.1 | 1357.5 |
| 4°    | 1343.8 | 1347.0 | 1353.1 | 1353.1 | 1356.7 |
| 5°    | 1338.6 | 1342.2 | 1347.0 | 1349.1 | 1353.5 |
| 6°    | 1333.0 | 1335.0 | 1338.6 | 1342.6 | 1348.7 |
| 7°    | 1325.8 | 1325.8 | 1330.2 | 1334.2 | 1342.2 |
| 8°    | 1315.7 | 1314.9 | 1318.1 | 1323.4 | 1330.6 |
| 9°    | 1303.3 | 1300.5 | 1302.9 | 1310.5 | 1321.4 |
| 10°   | 1285.6 | 1283.2 | 1283.2 | 1292.9 | 1303.3 |
| 11°   | 1262.8 | 1262.0 | 1262.4 | 1271.6 | 1285.6 |
| 12°   | 1231.8 | 1232.7 | 1232.7 | 1243.1 | 1260.3 |
| 13°   | 1196.9 | 1196.5 | 1200.1 | 1211.8 | 1223.4 |
| 14°   | 1154.4 | 1156.8 | 1160.4 | 1170.8 | 1182.9 |
| 15°   | 1097.0 | 1105.0 | 1114.6 | 1121.1 | 1128.3 |
| 17.5° | 922.4  | 930.4  | 943.7  | 948.9  | 950.5  |
| 20°   | 700.4  | 712.1  | 714.1  | 724.5  | 723.3  |
| 22.5° | 469.6  | 468.8  | 470.4  | 471.6  | 472.0  |
| 25°   | 240.8  | 248.1  | 254.9  | 259.3  | 239.6  |
| 27.5° | 104.8  | 117.2  | 126.0  | 114.4  | 106.0  |
| 30°   | 50.2   | 57.0   | 67.8   | 57.4   | 50.6   |
| 32.5° | 27.3   | 31.7   | 42.9   | 31.3   | 26.9   |
| 35°   | 15.3   | 17.7   | 26.5   | 17.3   | 14.9   |
| 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)