

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: P1319835

Luminaire Tested: LDSQA3D05R359840DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359840DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

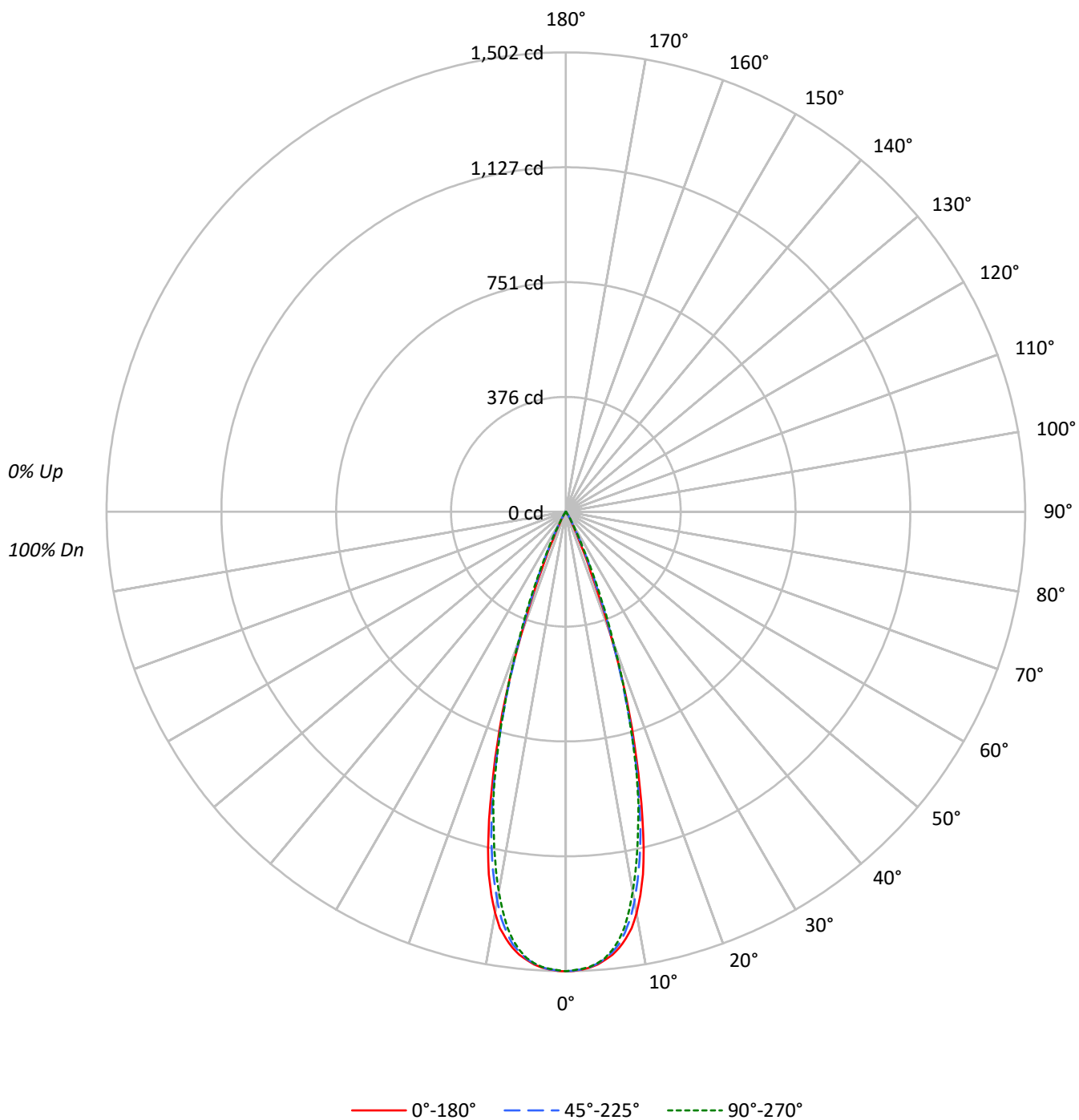
Lumens per Lamp: N/A  
Luminaire Lumens: 456.0 lumens  
Efficiency: N/A  
Efficacy: 63.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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  |     |     |     |    | 0  |
| 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 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 100 | 98  | 97  | 97  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  | 97  | 95  | 93  | 95  | 93  | 92  | 91  | 90 | 89 |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 90  | 89  | 88  | 87 | 86 |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 84 | 83 |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 81 | 80 |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 80  | 79 | 78 |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  | 84  | 81  | 79  | 83  | 80  | 78  | 77  | 76 | 75 |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  | 82  | 79  | 76  | 81  | 78  | 76  | 75  | 74 | 73 |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 73  | 72 | 71 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 258747 | 258747 | 258747 |
| 5°  | 254290 | 253754 | 253218 |
| 10° | 233062 | 226049 | 220558 |
| 15° | 166887 | 161556 | 159595 |
| 20° | 77379  | 80055  | 82859  |
| 25° | 18357  | 26129  | 27250  |
| 30° | 5389   | 6165   | 6960   |
| 35° | 1240   | 1976   | 1808   |
| 40° | 270    | 540    | 360    |
| 45° | 97     | 97     | 97     |
| 50° | 107    | 0      | 107    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 134.9  | 29.6      |
| 10°-20°   | 241.1  | 52.9      |
| 20°-30°   | 72.5   | 15.9      |
| 30°-40°   | 6.9    | 1.5       |
| 40°-50°   | 0.5    | 0.1       |
| 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°    | 448.6  | 98.4      |
| 0°-40°    | 455.5  | 99.9      |
| 0°-60°    | 456.0  | 100.0     |
| 0°-90°    | 456.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 456.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1502 | 1502  | 1502 | 1502  | 1502 |      |
| 5°  | 1471 | 1470  | 1468 | 1466  | 1465 | 136  |
| 15° | 936  | 929   | 906  | 902   | 895  | 247  |
| 25° | 97   | 106   | 138  | 143   | 143  | 62   |
| 35° | 6    | 8     | 9    | 10    | 9    | 5    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 1502.4 | 1502.4 | 1502.4 | 1502.4 | 1502.4 |
| 1°    | 1501.6 | 1501.6 | 1500.8 | 1500.8 | 1499.2 |
| 2°    | 1498.0 | 1498.4 | 1496.9 | 1496.5 | 1495.3 |
| 3°    | 1492.5 | 1491.4 | 1491.4 | 1490.6 | 1489.8 |
| 4°    | 1483.9 | 1481.5 | 1480.8 | 1481.2 | 1479.6 |
| 5°    | 1470.9 | 1470.5 | 1467.8 | 1465.8 | 1464.7 |
| 6°    | 1456.8 | 1454.1 | 1448.2 | 1443.1 | 1441.9 |
| 7°    | 1435.6 | 1429.7 | 1424.6 | 1414.0 | 1412.4 |
| 8°    | 1409.7 | 1400.2 | 1389.2 | 1374.3 | 1373.5 |
| 9°    | 1377.9 | 1362.5 | 1347.2 | 1327.2 | 1320.1 |
| 10°   | 1332.7 | 1318.5 | 1292.6 | 1274.9 | 1261.2 |
| 11°   | 1276.5 | 1258.8 | 1228.6 | 1207.4 | 1196.0 |
| 12°   | 1212.9 | 1196.4 | 1161.0 | 1141.8 | 1125.7 |
| 13°   | 1131.2 | 1117.4 | 1084.5 | 1063.2 | 1050.7 |
| 14°   | 1036.5 | 1026.3 | 994.9  | 985.5  | 981.2  |
| 15°   | 936.0  | 928.9  | 906.1  | 902.2  | 895.1  |
| 17.5° | 688.9  | 677.1  | 664.2  | 666.5  | 668.9  |
| 20°   | 422.2  | 438.7  | 436.8  | 445.4  | 452.1  |
| 22.5° | 210.5  | 231.7  | 256.5  | 271.4  | 278.9  |
| 25°   | 96.6   | 106.4  | 137.5  | 143.4  | 143.4  |
| 27.5° | 48.7   | 51.1   | 64.8   | 66.0   | 69.1   |
| 30°   | 27.1   | 29.1   | 31.0   | 34.6   | 35.0   |
| 32.5° | 13.7   | 16.1   | 16.9   | 18.9   | 18.1   |
| 35°   | 5.9    | 7.9    | 9.4    | 10.2   | 8.6    |
| 37.5° | 2.7    | 3.5    | 5.1    | 4.7    | 3.5    |
| 40°   | 1.2    | 1.6    | 2.4    | 2.0    | 1.6    |
| 42.5° | 0.8    | 0.8    | 1.2    | 0.8    | 0.8    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)