

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: P1310973

Luminaire Tested: LDSQA3D02R259040DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259040DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

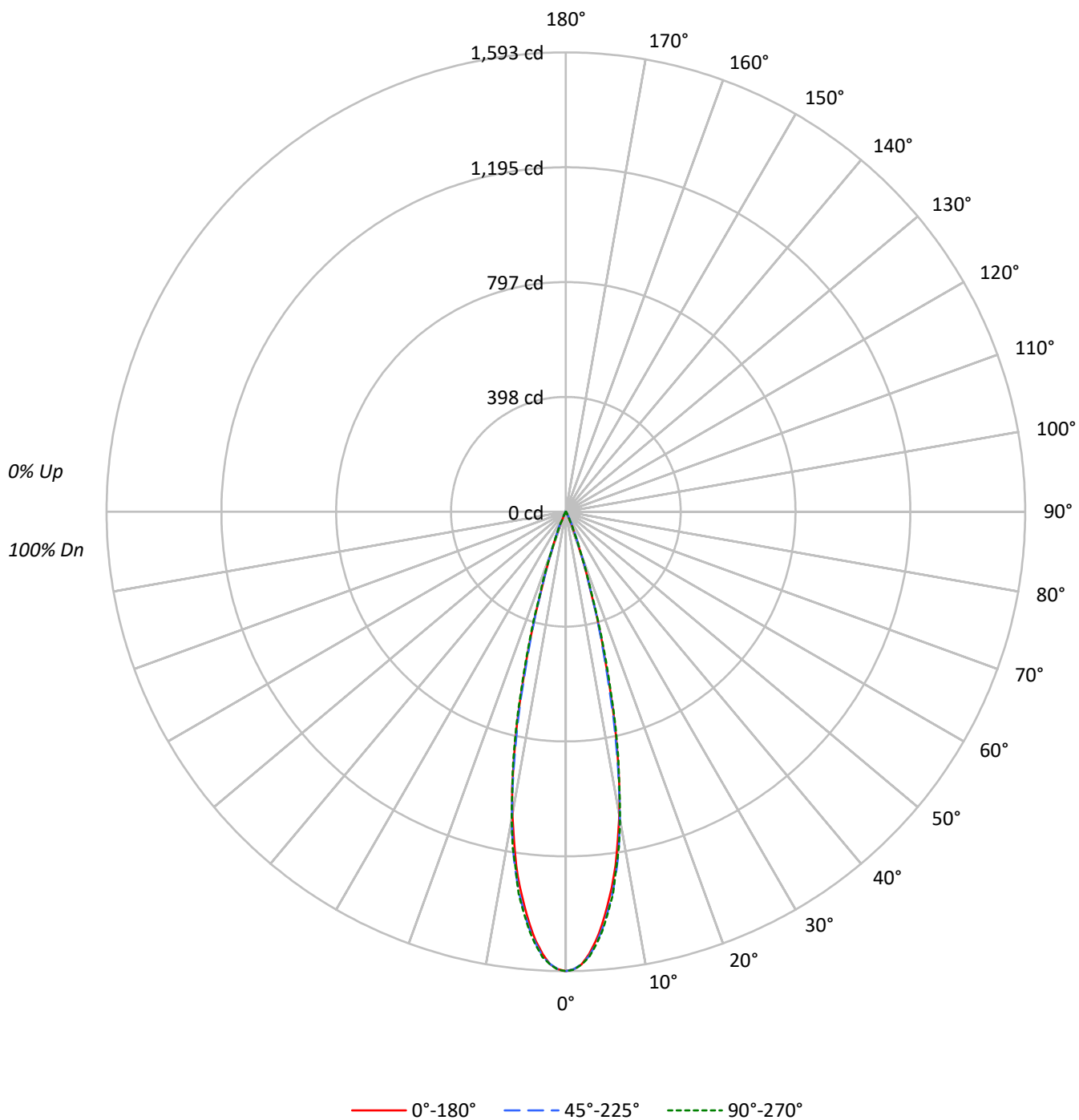
Lumens per Lamp: N/A  
Luminaire Lumens: 294.0 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 274351 | 274351 | 274351 |
| 5°  | 248619 | 250884 | 252112 |
| 10° | 186911 | 188240 | 189097 |
| 15° | 92537  | 89791  | 95764  |
| 20° | 26135  | 26575  | 26850  |
| 25° | 4542   | 8570   | 5378   |
| 30° | 1770   | 1830   | 1869   |
| 35° | 547    | 610    | 610    |
| 40° | 180    | 225    | 180    |
| 45° | 122    | 73     | 122    |
| 50° | 80     | 0      | 80     |
| 55° | 90     | 0      | 90     |
| 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: 45°

Luminance: 122 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.6  | 43.0      |
| 10°-20°   | 142.7  | 48.5      |
| 20°-30°   | 22.1   | 7.5       |
| 30°-40°   | 2.2    | 0.8       |
| 40°-50°   | 0.3    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 291.4  | 99.1      |
| 0°-40°    | 293.6  | 99.9      |
| 0°-60°    | 294.0  | 100.0     |
| 0°-90°    | 294.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 294.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1593 | 1593  | 1593 | 1593  | 1593 |      |
| 5°  | 1438 | 1441  | 1451 | 1457  | 1458 | 125  |
| 15° | 519  | 515   | 504  | 526   | 537  | 142  |
| 25° | 24   | 35    | 45   | 34    | 28   | 20   |
| 35° | 3    | 3     | 3    | 3     | 3    | 2    |
| 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°    | 1593.0 | 1593.0 | 1593.0 | 1593.0 | 1593.0 |
| 1°    | 1586.5 | 1588.6 | 1586.2 | 1588.9 | 1588.6 |
| 2°    | 1570.0 | 1572.1 | 1569.2 | 1570.8 | 1570.8 |
| 3°    | 1536.2 | 1540.6 | 1543.2 | 1545.1 | 1546.6 |
| 4°    | 1491.6 | 1496.6 | 1500.5 | 1505.2 | 1505.2 |
| 5°    | 1438.1 | 1440.7 | 1451.2 | 1457.0 | 1458.3 |
| 6°    | 1374.4 | 1384.9 | 1392.8 | 1404.3 | 1397.2 |
| 7°    | 1310.7 | 1319.4 | 1330.4 | 1332.2 | 1337.2 |
| 8°    | 1238.4 | 1247.5 | 1257.8 | 1255.9 | 1251.7 |
| 9°    | 1150.3 | 1163.7 | 1175.7 | 1171.8 | 1177.0 |
| 10°   | 1068.8 | 1076.9 | 1076.4 | 1072.4 | 1081.3 |
| 11°   | 974.1  | 976.0  | 965.7  | 981.7  | 972.0  |
| 12°   | 861.9  | 863.5  | 850.4  | 866.1  | 876.1  |
| 13°   | 754.4  | 750.8  | 732.7  | 753.4  | 766.0  |
| 14°   | 630.7  | 632.0  | 609.0  | 649.1  | 645.9  |
| 15°   | 519.0  | 515.4  | 503.6  | 526.1  | 537.1  |
| 17.5° | 276.6  | 278.9  | 276.0  | 287.3  | 294.4  |
| 20°   | 142.6  | 146.5  | 145.0  | 149.7  | 146.5  |
| 22.5° | 73.9   | 79.4   | 81.0   | 77.3   | 67.4   |
| 25°   | 23.9   | 35.4   | 45.1   | 34.3   | 28.3   |
| 27.5° | 14.4   | 14.2   | 22.0   | 15.2   | 15.5   |
| 30°   | 8.9    | 8.7    | 9.2    | 9.2    | 9.4    |
| 32.5° | 5.0    | 5.2    | 5.0    | 5.5    | 5.2    |
| 35°   | 2.6    | 2.9    | 2.9    | 3.1    | 2.9    |
| 37.5° | 1.6    | 1.8    | 1.8    | 1.8    | 1.6    |
| 40°   | 0.8    | 1.0    | 1.0    | 0.8    | 0.8    |
| 42.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 45°   | 0.5    | 0.3    | 0.3    | 0.3    | 0.5    |
| 47.5° | 0.3    | 0.3    | 0.0    | 0.3    | 0.3    |
| 50°   | 0.3    | 0.3    | 0.0    | 0.3    | 0.3    |
| 52.5° | 0.3    | 0.0    | 0.0    | 0.0    | 0.3    |
| 55°   | 0.3    | 0.0    | 0.0    | 0.0    | 0.3    |
| 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)