

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: P1317789

Luminaire Tested: LDSQA3D20R359827D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

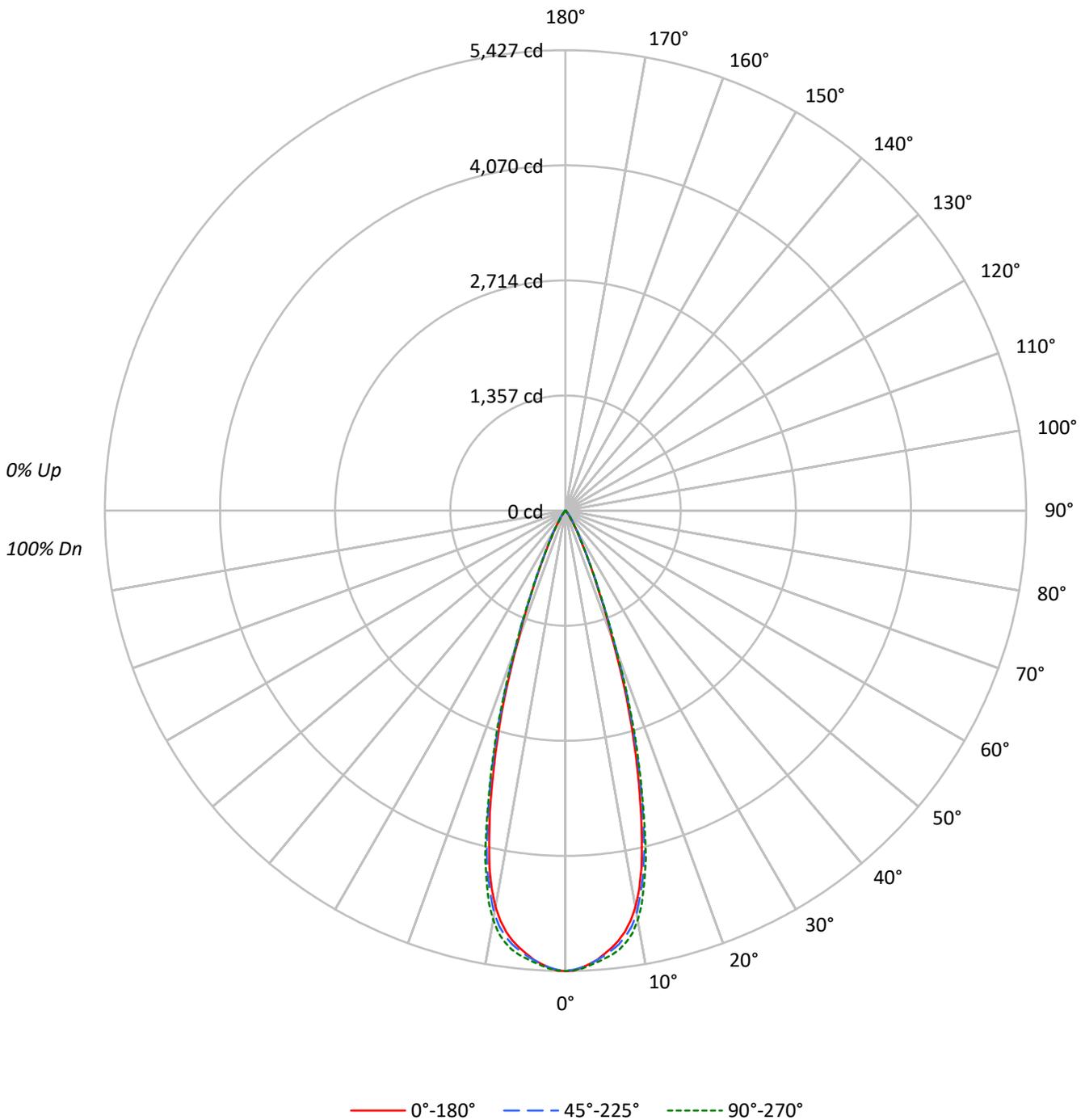
Test Method: LM-79-2019  
Report Number: P1317789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359827D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1823.0 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 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  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  | 99  | 98  | 96  | 97  | 95  | 94  | 94  | 94  | 94  | 93  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  | 96  | 94  | 92  | 94  | 92  | 90  | 94  | 92  | 90  | 89  |
| 4   | 103 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 91  | 89  | 87  | 86  |
| 5   | 100 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 89  | 86  | 84  | 83  |
| 6   | 97  | 90  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 82  | 79  | 85  | 82  | 79  | 84  | 81  | 79  | 83  | 81  | 78  | 83  | 81  | 78  | 77  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 79  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 81  | 78  | 76  | 75  |
| 9   | 88  | 81  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 79  | 76  | 73  | 79  | 76  | 73  | 72  |
| 10  | 86  | 79  | 75  | 72  | 85  | 78  | 74  | 72  | 78  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 71  | 76  | 73  | 71  | 70  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 934669 | 934669 | 934669 |
| 5°  | 907000 | 910199 | 916353 |
| 10° | 829681 | 844108 | 857032 |
| 15° | 595551 | 617357 | 623704 |
| 20° | 299564 | 317030 | 317818 |
| 25° | 113541 | 117056 | 117588 |
| 30° | 46117  | 52898  | 45262  |
| 35° | 16757  | 25419  | 16147  |
| 40° | 7037   | 10881  | 6722   |
| 45° | 1729   | 4506   | 1729   |
| 50° | 1152   | 1902   | 1152   |
| 55° | 1291   | 1291   | 1291   |
| 60° | 1481   | 1481   | 1481   |
| 65° | 1141   | 1141   | 1141   |
| 70° | 705    | 705    | 705    |
| 75° | 932    | 932    | 932    |
| 80° | 1389   | 1389   | 1389   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4506 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 490.7  | 26.9      |
| 10°-20°   | 914.1  | 50.1      |
| 20°-30°   | 328.8  | 18.0      |
| 30°-40°   | 69.1   | 3.8       |
| 40°-50°   | 11.9   | 0.7       |
| 50°-60°   | 3.9    | 0.2       |
| 60°-70°   | 2.8    | 0.2       |
| 70°-80°   | 1.5    | 0.1       |
| 80°-90°   | 0.2    | 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°    | 1733.6 | 95.1      |
| 0°-40°    | 1802.6 | 98.9      |
| 0°-60°    | 1818.5 | 99.8      |
| 0°-90°    | 1823.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1823.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5427 | 5427  | 5427 | 5427  | 5427 |      |
| 5°  | 5246 | 5256  | 5265 | 5300  | 5300 | 486  |
| 15° | 3340 | 3398  | 3462 | 3500  | 3498 | 889  |
| 25° | 598  | 606   | 616  | 622   | 619  | 318  |
| 35° | 80   | 94    | 121  | 92    | 77   | 61   |
| 45° | 7    | 11    | 18   | 11    | 7    | 8    |
| 55° | 4    | 4     | 4    | 4     | 4    | 4    |
| 65° | 3    | 3     | 3    | 3     | 3    | 3    |
| 75° | 1    | 1     | 1    | 1     | 1    | 1    |
| 85° | 0    | 0     | 0    | 0     | 0    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5427.1 | 5427.1 | 5427.1 | 5427.1 | 5427.1 |
| 1°    | 5424.3 | 5424.3 | 5412.9 | 5425.7 | 5421.4 |
| 2°    | 5394.4 | 5397.2 | 5390.1 | 5405.8 | 5404.3 |
| 3°    | 5353.1 | 5360.2 | 5354.5 | 5377.3 | 5370.2 |
| 4°    | 5309.0 | 5314.7 | 5311.9 | 5340.3 | 5337.5 |
| 5°    | 5246.4 | 5256.4 | 5264.9 | 5300.5 | 5300.5 |
| 6°    | 5182.4 | 5192.4 | 5210.9 | 5249.3 | 5262.1 |
| 7°    | 5108.4 | 5121.2 | 5151.1 | 5202.3 | 5210.9 |
| 8°    | 5014.6 | 5028.8 | 5070.0 | 5125.5 | 5136.9 |
| 9°    | 4897.9 | 4919.2 | 4966.2 | 5033.0 | 5040.2 |
| 10°   | 4744.3 | 4761.3 | 4826.8 | 4882.3 | 4900.7 |
| 11°   | 4545.1 | 4559.3 | 4617.7 | 4707.3 | 4718.7 |
| 12°   | 4303.3 | 4320.3 | 4395.7 | 4454.1 | 4465.4 |
| 13°   | 3997.4 | 4030.1 | 4121.2 | 4178.1 | 4209.4 |
| 14°   | 3683.0 | 3727.1 | 3792.6 | 3873.7 | 3853.7 |
| 15°   | 3340.2 | 3398.5 | 3462.5 | 3499.5 | 3498.1 |
| 17.5° | 2499.5 | 2533.6 | 2590.5 | 2611.8 | 2640.3 |
| 20°   | 1634.5 | 1678.6 | 1729.8 | 1749.8 | 1734.1 |
| 22.5° | 1014.3 | 1025.7 | 1041.3 | 1049.9 | 1047.0 |
| 25°   | 597.5  | 606.0  | 616.0  | 621.7  | 618.8  |
| 27.5° | 359.9  | 379.8  | 394.1  | 377.0  | 367.0  |
| 30°   | 231.9  | 240.4  | 266.0  | 243.3  | 227.6  |
| 32.5° | 138.0  | 157.9  | 179.2  | 152.2  | 132.3  |
| 35°   | 79.7   | 93.9   | 120.9  | 92.5   | 76.8   |
| 37.5° | 51.2   | 58.3   | 78.2   | 56.9   | 49.8   |
| 40°   | 31.3   | 39.8   | 48.4   | 37.0   | 29.9   |
| 42.5° | 15.6   | 24.2   | 28.5   | 21.3   | 15.6   |
| 45°   | 7.1    | 11.4   | 18.5   | 11.4   | 7.1    |
| 47.5° | 4.3    | 5.7    | 11.4   | 5.7    | 4.3    |
| 50°   | 4.3    | 4.3    | 7.1    | 4.3    | 4.3    |
| 52.5° | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 55°   | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 57.5° | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 60°   | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 62.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 65°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 67.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 70°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 72.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 75°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 77.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 80°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 82.5° | 1.4    | 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)