

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: P1317793

Luminaire Tested: LDSQA3D20R359827D010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

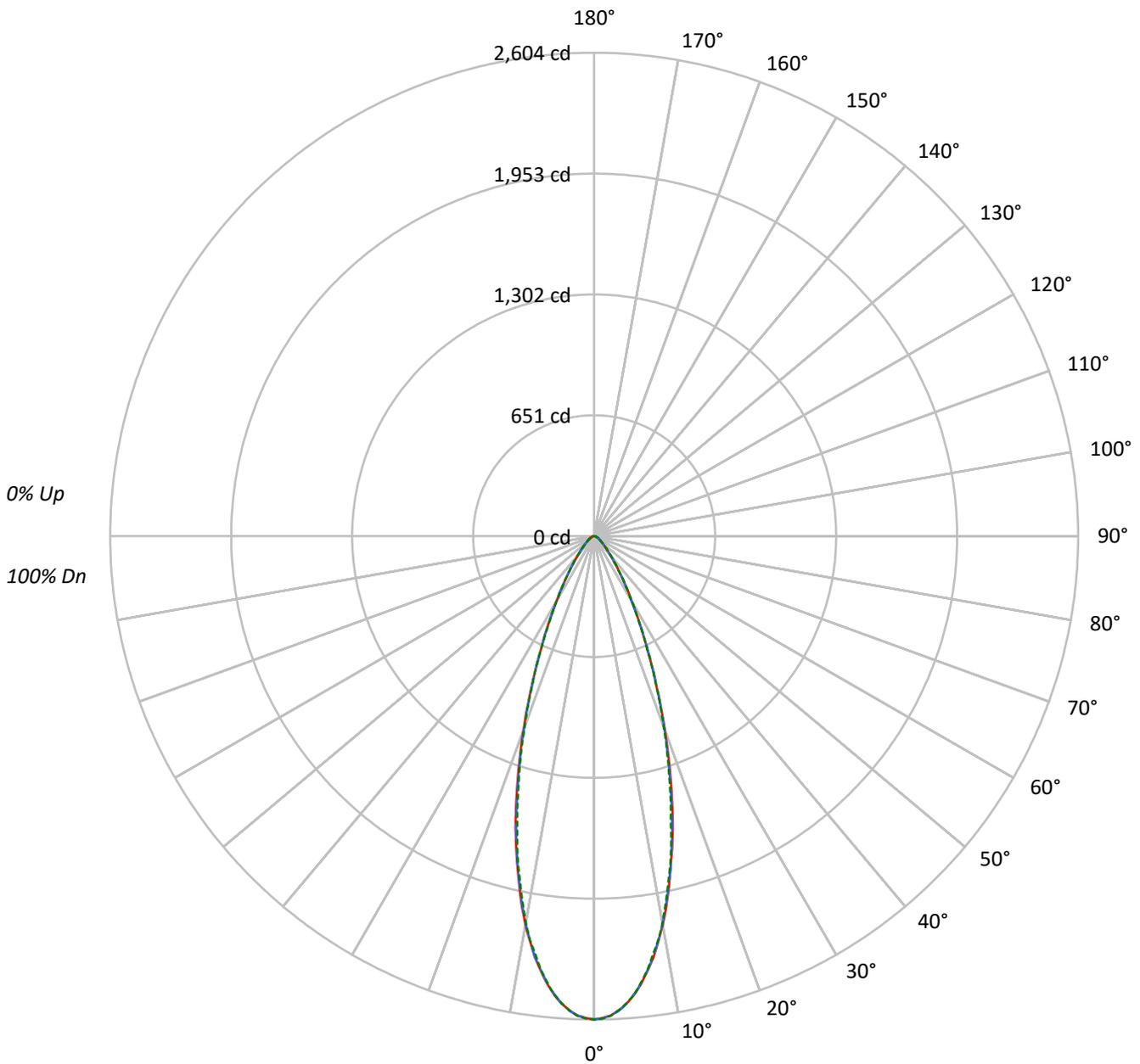
Test Method: LM-79-2019  
Report Number: P1317793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359827D010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1284.0 lumens  
Efficiency: N/A  
Efficacy: 46.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 95  | 95  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 89  | 89  | 89  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 83  | 83  | 83  | 82  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 78  | 78  | 78  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 74  | 74  | 74  | 73  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 70  | 70  | 70  | 69  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 66  | 66  | 66  | 65  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 63  | 63  | 63  | 62  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 60  | 60  | 60  | 59  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 57  | 57  | 57  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 448399 | 448399 | 448399 |
| 5°  | 428467 | 427724 | 428467 |
| 10° | 371951 | 370709 | 370220 |
| 15° | 291464 | 289182 | 284617 |
| 20° | 203912 | 202080 | 200778 |
| 25° | 129503 | 130301 | 129503 |
| 30° | 79785  | 80342  | 79785  |
| 35° | 49345  | 49660  | 49660  |
| 40° | 31340  | 31655  | 31655  |
| 45° | 21141  | 21482  | 21823  |
| 50° | 15245  | 15620  | 15620  |
| 55° | 11950  | 11950  | 11950  |
| 60° | 9817   | 9817   | 9817   |
| 65° | 8680   | 8680   | 8680   |
| 70° | 7855   | 7855   | 7855   |
| 75° | 6654   | 6654   | 6654   |
| 80° | 5653   | 5653   | 5653   |
| 85° | 2766   | 2766   | 5533   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 21823 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 225.0  | 17.5      |
| 10°-20°   | 443.0  | 34.5      |
| 20°-30°   | 319.6  | 24.9      |
| 30°-40°   | 154.1  | 12.0      |
| 40°-50°   | 71.0   | 5.5       |
| 50°-60°   | 36.7   | 2.9       |
| 60°-70°   | 21.2   | 1.7       |
| 70°-80°   | 10.7   | 0.8       |
| 80°-90°   | 2.5    | 0.2       |
| 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°    | 987.6  | 76.9      |
| 0°-40°    | 1141.7 | 88.9      |
| 0°-60°    | 1249.5 | 97.3      |
| 0°-90°    | 1284.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1284.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2604 | 2604  | 2604 | 2604  | 2604 |      |
| 5°  | 2478 | 2484  | 2474 | 2476  | 2478 | 225  |
| 15° | 1635 | 1632  | 1622 | 1615  | 1596 | 446  |
| 25° | 682  | 683   | 686  | 686   | 682  | 320  |
| 35° | 235  | 235   | 236  | 236   | 236  | 153  |
| 45° | 87   | 88    | 88   | 90    | 90   | 70   |
| 55° | 40   | 40    | 40   | 40    | 40   | 36   |
| 65° | 21   | 21    | 21   | 21    | 21   | 21   |
| 75° | 10   | 10    | 10   | 10    | 10   | 11   |
| 85° | 1    | 1     | 1    | 1     | 3    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2603.6 | 2603.6 | 2603.6 | 2603.6 | 2603.6 |
| 1°    | 2596.4 | 2600.7 | 2599.3 | 2600.7 | 2599.3 |
| 2°    | 2583.6 | 2586.5 | 2583.6 | 2585.1 | 2585.1 |
| 3°    | 2556.6 | 2559.5 | 2559.5 | 2558.0 | 2556.6 |
| 4°    | 2523.9 | 2531.0 | 2523.9 | 2525.3 | 2521.0 |
| 5°    | 2478.4 | 2484.0 | 2474.1 | 2475.5 | 2478.4 |
| 6°    | 2422.9 | 2424.3 | 2421.5 | 2420.0 | 2417.2 |
| 7°    | 2358.9 | 2364.5 | 2354.6 | 2356.0 | 2353.2 |
| 8°    | 2290.6 | 2289.1 | 2289.1 | 2283.4 | 2274.9 |
| 9°    | 2208.0 | 2213.7 | 2205.2 | 2202.4 | 2203.8 |
| 10°   | 2126.9 | 2126.9 | 2119.8 | 2112.7 | 2117.0 |
| 11°   | 2034.5 | 2031.6 | 2027.4 | 2017.4 | 2014.6 |
| 12°   | 1933.5 | 1939.2 | 1926.3 | 1922.1 | 1912.1 |
| 13°   | 1829.6 | 1838.1 | 1832.4 | 1816.8 | 1818.2 |
| 14°   | 1732.9 | 1727.2 | 1722.9 | 1720.1 | 1710.1 |
| 15°   | 1634.7 | 1631.8 | 1621.9 | 1614.8 | 1596.3 |
| 17.5° | 1365.8 | 1368.6 | 1350.2 | 1347.3 | 1340.2 |
| 20°   | 1112.6 | 1104.0 | 1102.6 | 1104.0 | 1095.5 |
| 22.5° | 877.8  | 886.3  | 876.4  | 877.8  | 872.1  |
| 25°   | 681.5  | 682.9  | 685.7  | 685.7  | 681.5  |
| 27.5° | 529.2  | 529.2  | 526.4  | 529.2  | 525.0  |
| 30°   | 401.2  | 401.2  | 404.0  | 406.9  | 401.2  |
| 32.5° | 310.2  | 310.2  | 310.2  | 311.6  | 313.0  |
| 35°   | 234.7  | 234.7  | 236.2  | 236.2  | 236.2  |
| 37.5° | 180.7  | 182.1  | 183.5  | 183.5  | 183.5  |
| 40°   | 139.4  | 140.8  | 140.8  | 142.3  | 140.8  |
| 42.5° | 111.0  | 111.0  | 111.0  | 112.4  | 112.4  |
| 45°   | 86.8   | 88.2   | 88.2   | 89.6   | 89.6   |
| 47.5° | 71.1   | 71.1   | 71.1   | 72.6   | 72.6   |
| 50°   | 56.9   | 58.3   | 58.3   | 58.3   | 58.3   |
| 52.5° | 46.9   | 46.9   | 48.4   | 48.4   | 48.4   |
| 55°   | 39.8   | 39.8   | 39.8   | 39.8   | 39.8   |
| 57.5° | 32.7   | 34.1   | 34.1   | 34.1   | 34.1   |
| 60°   | 28.5   | 28.5   | 28.5   | 28.5   | 28.5   |
| 62.5° | 24.2   | 24.2   | 24.2   | 24.2   | 24.2   |
| 65°   | 21.3   | 21.3   | 21.3   | 21.3   | 21.3   |
| 67.5° | 17.1   | 18.5   | 18.5   | 18.5   | 18.5   |
| 70°   | 15.6   | 15.6   | 15.6   | 15.6   | 15.6   |
| 72.5° | 11.4   | 12.8   | 12.8   | 12.8   | 12.8   |
| 75°   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   |
| 77.5° | 8.5    | 7.1    | 7.1    | 7.1    | 8.5    |
| 80°   | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 82.5° | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 85°   | 1.4    | 1.4    | 1.4    | 1.4    | 2.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    |



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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)