

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: P1308422

Luminaire Tested: LDSQA3D20R259027D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R259027D010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

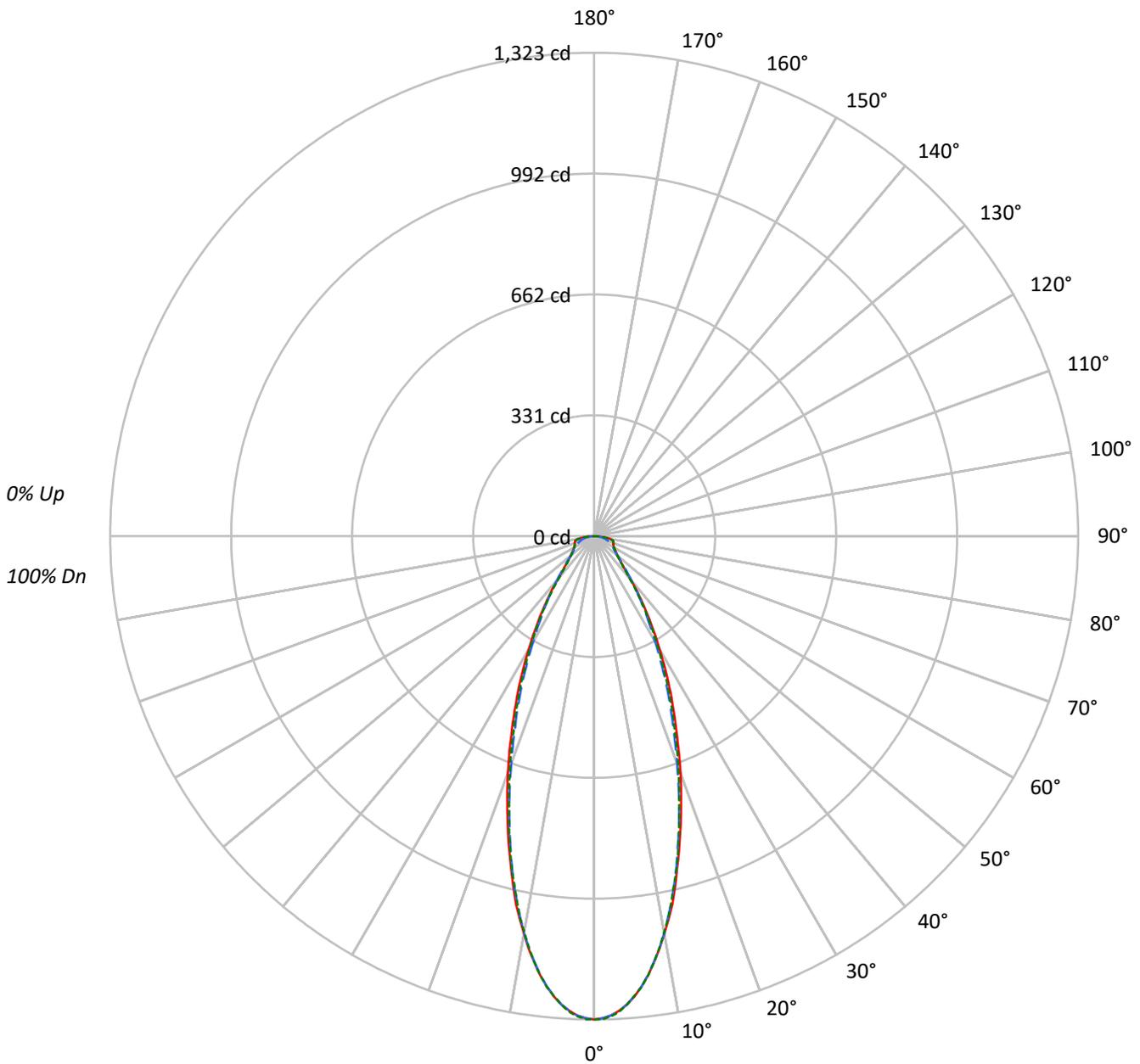
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 999.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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

TEST NUMBER: P1308422  
CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHRLP1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1308422

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHRLP1MW

**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 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |    |    |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 89  | 86  | 83  | 87  | 84  | 81  | 80  |    |    |
| 3   | 98  | 90  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |    |    |
| 4   | 92  | 83  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 64  | 74  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |    |    |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 59  | 69  | 63  | 59  | 68  | 62  | 59  | 66  | 62  | 58  | 56  |    |    |
| 7   | 78  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  | 64  | 58  | 55  | 62  | 58  | 54  | 53  |    |    |
| 8   | 74  | 63  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 49  |    |    |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |    |    |
| 10  | 67  | 56  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 49  | 46  | 54  | 49  | 45  | 53  | 49  | 45  | 44  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 227816 | 227816 | 227816 |
| 5°  | 218573 | 218313 | 218313 |
| 10° | 193224 | 192945 | 192402 |
| 15° | 159577 | 157330 | 158168 |
| 20° | 126423 | 121218 | 123234 |
| 25° | 96287  | 91194  | 93588  |
| 30° | 70935  | 65924  | 68748  |
| 35° | 50774  | 48461  | 49113  |
| 40° | 34780  | 35477  | 33723  |
| 45° | 25769  | 27303  | 25379  |
| 50° | 22426  | 22426  | 21997  |
| 55° | 21319  | 20388  | 21319  |
| 60° | 21734  | 20116  | 21734  |
| 65° | 23799  | 20579  | 23799  |
| 70° | 28601  | 20645  | 27796  |
| 75° | 35733  | 22025  | 35733  |
| 80° | 45424  | 23505  | 42250  |
| 85° | 37347  | 21736  | 37347  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 45424 cd/sqm



TEST NUMBER: P1308422

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHRLP1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 115.4  | 11.6      |
| 10°-20°   | 245.3  | 24.6      |
| 20°-30°   | 224.7  | 22.5      |
| 30°-40°   | 148.2  | 14.8      |
| 40°-50°   | 86.3   | 8.6       |
| 50°-60°   | 63.0   | 6.3       |
| 60°-70°   | 53.5   | 5.4       |
| 70°-80°   | 44.3   | 4.4       |
| 80°-90°   | 18.2   | 1.8       |
| 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°    | 585.4  | 58.6      |
| 0°-40°    | 733.7  | 73.4      |
| 0°-60°    | 883.0  | 88.4      |
| 0°-90°    | 999.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 999.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1323 | 1323  | 1323 | 1323  | 1323 |      |
| 5°  | 1264 | 1263  | 1263 | 1264  | 1263 | 116  |
| 15° | 895  | 892   | 882  | 886   | 887  | 248  |
| 25° | 507  | 492   | 480  | 481   | 492  | 233  |
| 35° | 242  | 237   | 230  | 230   | 234  | 153  |
| 45° | 106  | 109   | 112  | 106   | 104  | 85   |
| 55° | 71   | 71    | 68   | 70    | 71   | 64   |
| 65° | 58   | 54    | 50   | 54    | 58   | 58   |
| 75° | 54   | 41    | 33   | 41    | 54   | 56   |
| 85° | 19   | 20    | 11   | 20    | 19   | 21   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P1308422

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1322.8 | 1322.8 | 1322.8 | 1322.8 | 1322.8 |
| 1°    | 1319.6 | 1319.6 | 1319.6 | 1319.6 | 1322.8 |
| 2°    | 1313.3 | 1311.7 | 1313.3 | 1313.3 | 1314.9 |
| 3°    | 1300.7 | 1300.7 | 1300.7 | 1300.7 | 1303.8 |
| 4°    | 1284.9 | 1284.9 | 1284.9 | 1284.9 | 1284.9 |
| 5°    | 1264.3 | 1262.8 | 1262.8 | 1264.3 | 1262.8 |
| 6°    | 1239.1 | 1239.1 | 1239.1 | 1239.1 | 1240.7 |
| 7°    | 1210.7 | 1209.1 | 1209.1 | 1207.5 | 1210.7 |
| 8°    | 1177.5 | 1177.5 | 1176.0 | 1174.4 | 1177.5 |
| 9°    | 1142.8 | 1144.4 | 1141.2 | 1139.6 | 1139.6 |
| 10°   | 1104.9 | 1103.3 | 1103.3 | 1103.3 | 1100.2 |
| 11°   | 1067.0 | 1062.3 | 1060.7 | 1060.7 | 1063.9 |
| 12°   | 1029.2 | 1021.3 | 1018.1 | 1018.1 | 1018.1 |
| 13°   | 983.4  | 980.2  | 975.5  | 972.3  | 973.9  |
| 14°   | 937.6  | 937.6  | 929.7  | 929.7  | 932.9  |
| 15°   | 895.0  | 891.8  | 882.4  | 885.5  | 887.1  |
| 17.5° | 789.2  | 782.9  | 771.9  | 771.9  | 773.4  |
| 20°   | 689.8  | 678.7  | 661.4  | 669.3  | 672.4  |
| 22.5° | 591.9  | 580.9  | 563.5  | 571.4  | 574.6  |
| 25°   | 506.7  | 492.5  | 479.9  | 481.4  | 492.5  |
| 27.5° | 429.3  | 413.6  | 400.9  | 405.7  | 412.0  |
| 30°   | 356.7  | 347.3  | 331.5  | 339.4  | 345.7  |
| 32.5° | 295.2  | 287.3  | 276.2  | 281.0  | 287.3  |
| 35°   | 241.5  | 236.8  | 230.5  | 230.5  | 233.6  |
| 37.5° | 195.7  | 194.2  | 191.0  | 189.4  | 187.8  |
| 40°   | 154.7  | 157.8  | 157.8  | 154.7  | 150.0  |
| 42.5° | 126.3  | 129.4  | 132.6  | 126.3  | 121.5  |
| 45°   | 105.8  | 108.9  | 112.1  | 105.8  | 104.2  |
| 47.5° | 93.1   | 94.7   | 96.3   | 93.1   | 91.6   |
| 50°   | 83.7   | 83.7   | 83.7   | 82.1   | 82.1   |
| 52.5° | 77.3   | 75.8   | 74.2   | 75.8   | 75.8   |
| 55°   | 71.0   | 71.0   | 67.9   | 69.5   | 71.0   |
| 57.5° | 66.3   | 64.7   | 63.1   | 64.7   | 66.3   |
| 60°   | 63.1   | 60.0   | 58.4   | 60.0   | 63.1   |
| 62.5° | 60.0   | 56.8   | 53.7   | 56.8   | 60.0   |
| 65°   | 58.4   | 53.7   | 50.5   | 53.7   | 58.4   |
| 67.5° | 56.8   | 50.5   | 45.8   | 50.5   | 56.8   |
| 70°   | 56.8   | 47.4   | 41.0   | 47.4   | 55.2   |
| 72.5° | 55.2   | 44.2   | 37.9   | 44.2   | 55.2   |
| 75°   | 53.7   | 41.0   | 33.1   | 41.0   | 53.7   |
| 77.5° | 52.1   | 37.9   | 28.4   | 37.9   | 50.5   |
| 80°   | 45.8   | 34.7   | 23.7   | 34.7   | 42.6   |
| 82.5° | 33.1   | 28.4   | 18.9   | 28.4   | 31.6   |
| 85°   | 18.9   | 20.5   | 11.0   | 20.5   | 18.9   |
| 87.5° | 3.2    | 4.7    | 3.2    | 7.9    | 6.3    |



TEST NUMBER: P1308422  
CATALOG NUMBER: LDSQA3D20R259027D010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)