

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: P1324057

Luminaire Tested: LDSQA3D17R309030D2WDE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

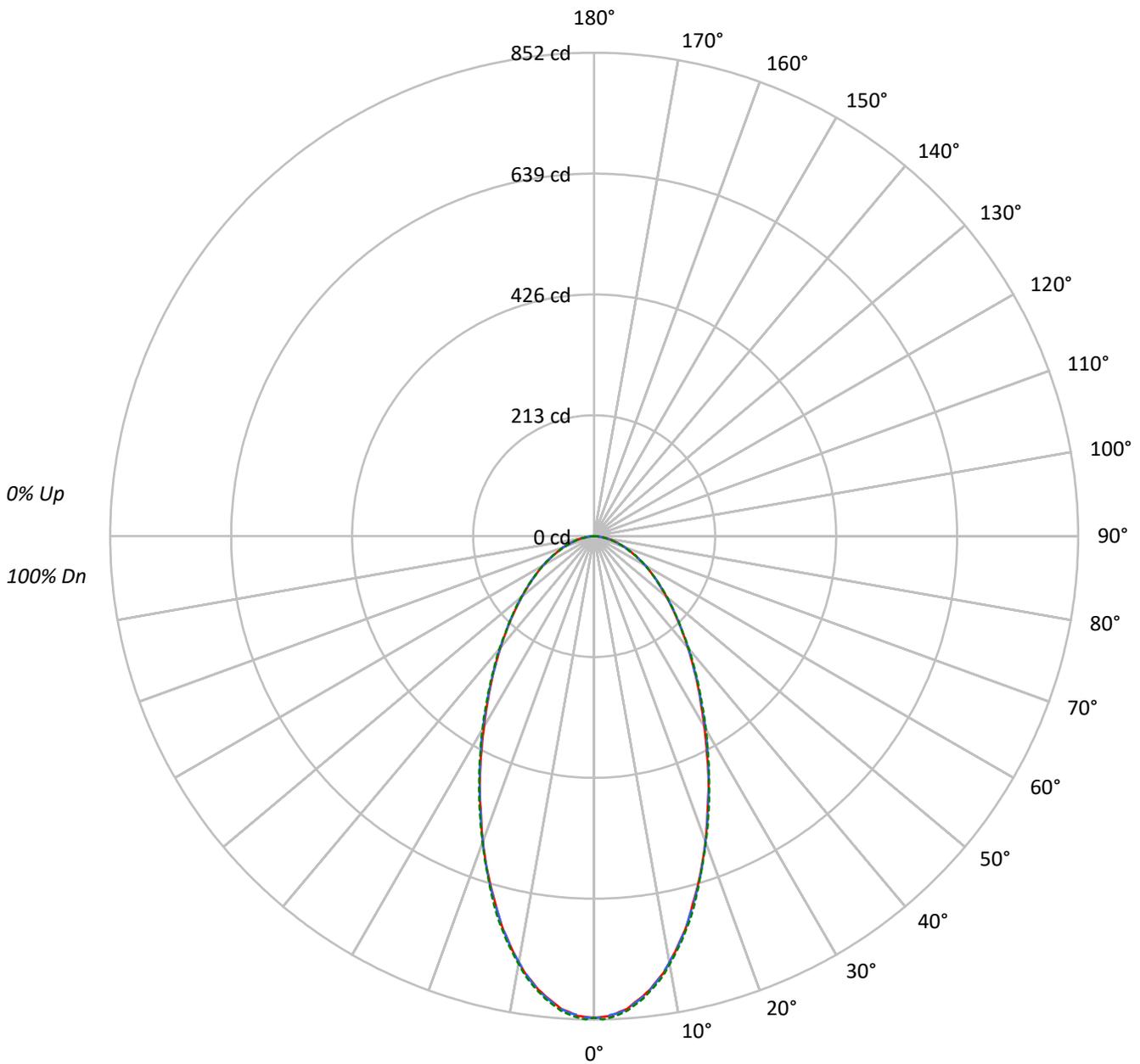
Test Method: LM-79-2019  
Report Number: P1324057  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309030D2WDE010 3LSQPHRLD1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1090.0 lumens  
Efficiency: N/A  
Efficacy: 39.9 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.3  
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: P1324057  
CATALOG NUMBER: LDSQA3D17R309030D2WDE010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1324057

CATALOG NUMBER: LDSQA3D17R309030D2WDE010 3LSQPHRLD1MW

**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   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 90  | 90  | 90  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  | 87  | 84  | 81  | 85  | 82  | 79  | 79  | 79  | 79  | 77  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 70  | 70  | 70  | 68  |
| 4   | 89  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 62  | 62  | 62  | 60  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 56  | 56  | 56  | 54  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 51  | 51  | 51  | 49  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 47  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 43  | 43  | 43  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 40  | 40  | 40  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 37  | 37  | 37  | 35  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 146200 | 146200 | 146200 |
| 5°  | 142575 | 142851 | 143370 |
| 10° | 133416 | 133416 | 133940 |
| 15° | 119638 | 119905 | 120708 |
| 20° | 105017 | 105017 | 105292 |
| 25° | 90548  | 90548  | 91118  |
| 30° | 77060  | 77955  | 78254  |
| 35° | 66564  | 66879  | 67194  |
| 40° | 57622  | 57959  | 58296  |
| 45° | 50319  | 50685  | 50685  |
| 50° | 44450  | 44450  | 44852  |
| 55° | 39845  | 39845  | 39845  |
| 60° | 35822  | 35822  | 35822  |
| 65° | 31949  | 31949  | 31949  |
| 70° | 28853  | 28853  | 28853  |
| 75° | 26084  | 25086  | 25086  |
| 80° | 22414  | 20927  | 20927  |
| 85° | 14820  | 14820  | 14820  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 50685 cd/sqm



TEST NUMBER: P1324057

CATALOG NUMBER: LDSQA3D17R309030D2WDE010 3LSQPHRLD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.9   | 7.1       |
| 10°-20°   | 187.4  | 17.2      |
| 20°-30°   | 218.9  | 20.1      |
| 30°-40°   | 199.2  | 18.3      |
| 40°-50°   | 160.9  | 14.8      |
| 50°-60°   | 118.8  | 10.9      |
| 60°-70°   | 78.2   | 7.2       |
| 70°-80°   | 40.5   | 3.7       |
| 80°-90°   | 9.2    | 0.8       |
| 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°    | 483.2  | 44.3      |
| 0°-40°    | 682.4  | 62.6      |
| 0°-60°    | 962.1  | 88.3      |
| 0°-90°    | 1090.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1090.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 849 | 849   | 849 | 849   | 849 |      |
| 5°  | 825 | 825   | 826 | 826   | 829 | 77   |
| 15° | 671 | 672   | 672 | 672   | 677 | 187  |
| 25° | 476 | 475   | 476 | 476   | 480 | 218  |
| 35° | 317 | 315   | 318 | 318   | 320 | 198  |
| 45° | 207 | 208   | 208 | 208   | 208 | 160  |
| 55° | 133 | 131   | 133 | 131   | 133 | 119  |
| 65° | 78  | 78    | 78  | 78    | 78  | 78   |
| 75° | 39  | 38    | 38  | 38    | 38  | 42   |
| 85° | 8   | 8     | 8   | 8     | 8   | 9    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P1324057

CATALOG NUMBER: LDSQA3D17R309030D2WDE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 848.9 | 848.9 | 848.9 | 848.9 | 848.9 |
| 1°    | 847.4 | 847.4 | 848.9 | 847.4 | 851.9 |
| 2°    | 845.9 | 844.3 | 844.3 | 844.3 | 848.9 |
| 3°    | 839.8 | 839.8 | 841.3 | 839.8 | 844.3 |
| 4°    | 835.3 | 833.8 | 835.3 | 833.8 | 838.3 |
| 5°    | 824.7 | 824.7 | 826.3 | 826.3 | 829.3 |
| 6°    | 815.7 | 815.7 | 817.2 | 815.7 | 820.2 |
| 7°    | 805.1 | 805.1 | 805.1 | 805.1 | 808.2 |
| 8°    | 791.6 | 791.6 | 793.1 | 793.1 | 796.1 |
| 9°    | 779.5 | 778.0 | 778.0 | 778.0 | 782.5 |
| 10°   | 762.9 | 762.9 | 762.9 | 762.9 | 765.9 |
| 11°   | 746.3 | 746.3 | 746.3 | 746.3 | 749.4 |
| 12°   | 728.3 | 728.3 | 729.8 | 728.3 | 732.8 |
| 13°   | 711.7 | 711.7 | 711.7 | 711.7 | 714.7 |
| 14°   | 692.1 | 690.6 | 692.1 | 692.1 | 696.6 |
| 15°   | 671.0 | 672.5 | 672.5 | 672.5 | 677.0 |
| 17.5° | 622.7 | 622.7 | 624.2 | 621.2 | 624.2 |
| 20°   | 573.0 | 571.4 | 573.0 | 573.0 | 574.5 |
| 22.5° | 521.7 | 523.2 | 523.2 | 523.2 | 526.2 |
| 25°   | 476.5 | 474.9 | 476.5 | 476.5 | 479.5 |
| 27.5° | 429.7 | 431.2 | 432.7 | 431.2 | 434.2 |
| 30°   | 387.5 | 390.5 | 392.0 | 389.0 | 393.5 |
| 32.5° | 349.8 | 349.8 | 351.3 | 352.8 | 354.3 |
| 35°   | 316.6 | 315.1 | 318.1 | 318.1 | 319.6 |
| 37.5° | 285.0 | 285.0 | 285.0 | 286.5 | 288.0 |
| 40°   | 256.3 | 256.3 | 257.8 | 257.8 | 259.3 |
| 42.5° | 230.7 | 229.2 | 230.7 | 230.7 | 230.7 |
| 45°   | 206.6 | 208.1 | 208.1 | 208.1 | 208.1 |
| 47.5° | 185.5 | 185.5 | 187.0 | 185.5 | 187.0 |
| 50°   | 165.9 | 165.9 | 165.9 | 165.9 | 167.4 |
| 52.5° | 147.8 | 147.8 | 147.8 | 147.8 | 149.3 |
| 55°   | 132.7 | 131.2 | 132.7 | 131.2 | 132.7 |
| 57.5° | 117.6 | 117.6 | 117.6 | 117.6 | 117.6 |
| 60°   | 104.0 | 102.5 | 104.0 | 102.5 | 104.0 |
| 62.5° | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  |
| 65°   | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  |
| 67.5° | 67.8  | 67.8  | 67.8  | 66.3  | 66.3  |
| 70°   | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  |
| 72.5° | 48.2  | 46.7  | 46.7  | 46.7  | 46.7  |
| 75°   | 39.2  | 37.7  | 37.7  | 37.7  | 37.7  |
| 77.5° | 30.2  | 30.2  | 28.6  | 28.6  | 30.2  |
| 80°   | 22.6  | 21.1  | 21.1  | 21.1  | 21.1  |
| 82.5° | 13.6  | 13.6  | 13.6  | 13.6  | 13.6  |
| 85°   | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   |
| 87.5° | 1.5   | 1.5   | 1.5   | 3.0   | 3.0   |



TEST NUMBER: P1324057  
CATALOG NUMBER: LDSQA3D17R309030D2WDE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)