

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: P1310061

Luminaire Tested: LDSQA3D05R359035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

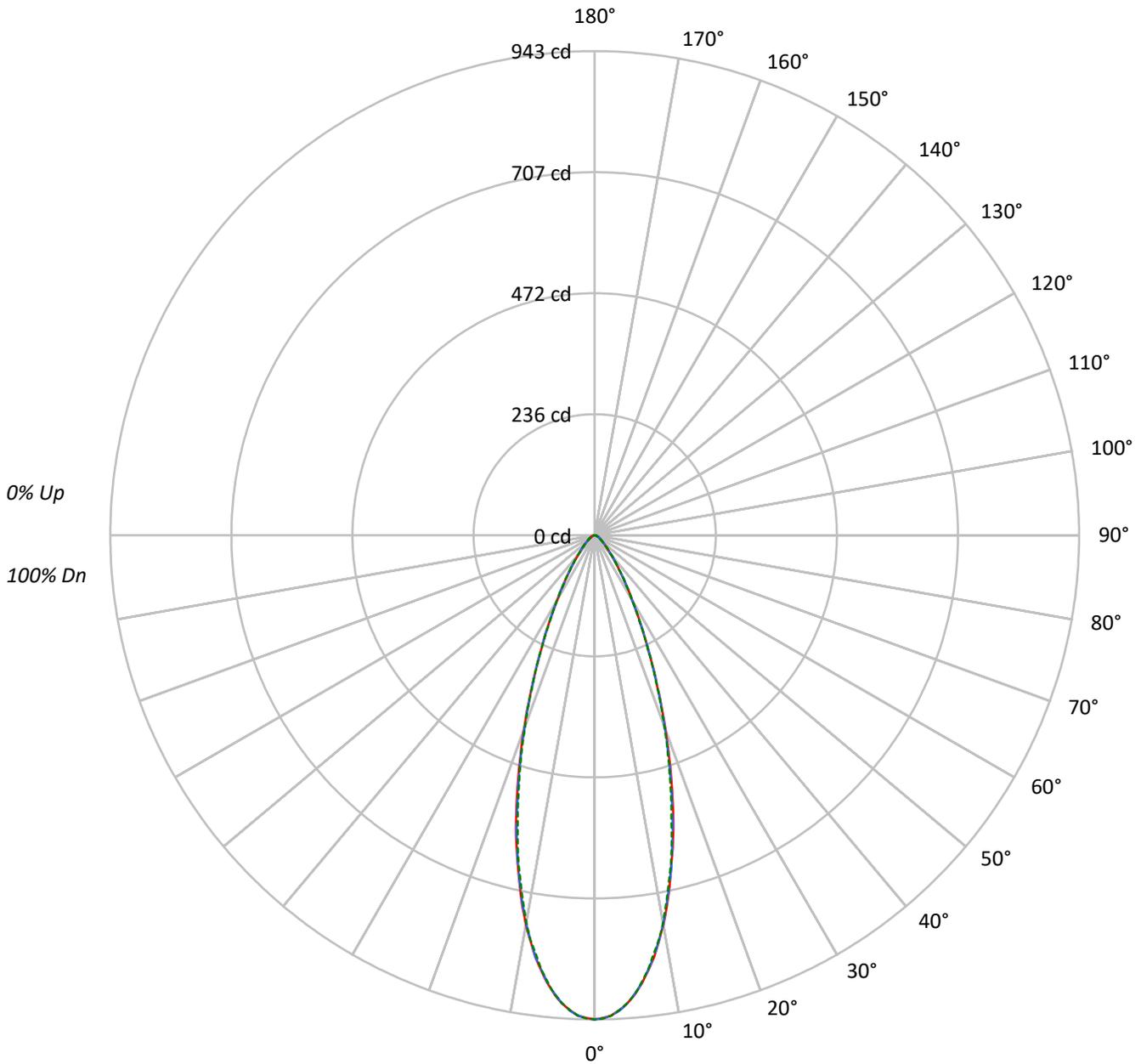
Test Method: LM-79-2019  
Report Number: P1310061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359035DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 465.0 lumens  
Efficiency: N/A  
Efficacy: 64.6 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): 7.2  
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



— 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°  | 162389 | 162389 | 162389 |
| 5°  | 155160 | 154901 | 155160 |
| 10° | 134710 | 134255 | 134080 |
| 15° | 105552 | 104732 | 103074 |
| 20° | 73842  | 73182  | 72705  |
| 25° | 46899  | 47184  | 46899  |
| 30° | 28895  | 29094  | 28895  |
| 35° | 17871  | 17976  | 17976  |
| 40° | 11353  | 11466  | 11466  |
| 45° | 7648   | 7770   | 7916   |
| 50° | 5519   | 5653   | 5653   |
| 55° | 4324   | 4324   | 4324   |
| 60° | 3548   | 3548   | 3548   |
| 65° | 3138   | 3138   | 3138   |
| 70° | 2870   | 2870   | 2870   |
| 75° | 2396   | 2396   | 2396   |
| 80° | 2083   | 2083   | 2083   |
| 85° | 988    | 988    | 1976   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 7916 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.5   | 17.5      |
| 10°-20°   | 160.4  | 34.5      |
| 20°-30°   | 115.8  | 24.9      |
| 30°-40°   | 55.8   | 12.0      |
| 40°-50°   | 25.7   | 5.5       |
| 50°-60°   | 13.3   | 2.9       |
| 60°-70°   | 7.7    | 1.7       |
| 70°-80°   | 3.9    | 0.8       |
| 80°-90°   | 0.9    | 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°    | 357.7  | 76.9      |
| 0°-40°    | 413.5  | 88.9      |
| 0°-60°    | 452.5  | 97.3      |
| 0°-90°    | 465.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 465.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 943 | 943   | 943 | 943   | 943 |      |
| 5°  | 898 | 900   | 896 | 896   | 898 | 82   |
| 15° | 592 | 591   | 587 | 585   | 578 | 161  |
| 25° | 247 | 247   | 248 | 248   | 247 | 116  |
| 35° | 85  | 85    | 86  | 86    | 86  | 55   |
| 45° | 31  | 32    | 32  | 32    | 32  | 25   |
| 55° | 14  | 14    | 14  | 14    | 14  | 13   |
| 65° | 8   | 8     | 8   | 8     | 8   | 8    |
| 75° | 4   | 4     | 4   | 4     | 4   | 4    |
| 85° | 0   | 0     | 0   | 0     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 |
| 1°    | 940.3 | 941.8 | 941.3 | 941.8 | 941.3 |
| 2°    | 935.7 | 936.7 | 935.7 | 936.2 | 936.2 |
| 3°    | 925.9 | 926.9 | 926.9 | 926.4 | 925.9 |
| 4°    | 914.0 | 916.6 | 914.0 | 914.5 | 913.0 |
| 5°    | 897.5 | 899.6 | 896.0 | 896.5 | 897.5 |
| 6°    | 877.4 | 878.0 | 876.9 | 876.4 | 875.4 |
| 7°    | 854.3 | 856.3 | 852.7 | 853.2 | 852.2 |
| 8°    | 829.5 | 829.0 | 829.0 | 826.9 | 823.9 |
| 9°    | 799.6 | 801.7 | 798.6 | 797.6 | 798.1 |
| 10°   | 770.3 | 770.3 | 767.7 | 765.1 | 766.7 |
| 11°   | 736.8 | 735.8 | 734.2 | 730.6 | 729.6 |
| 12°   | 700.2 | 702.3 | 697.6 | 696.1 | 692.5 |
| 13°   | 662.6 | 665.7 | 663.6 | 658.0 | 658.5 |
| 14°   | 627.6 | 625.5 | 623.9 | 622.9 | 619.3 |
| 15°   | 592.0 | 591.0 | 587.4 | 584.8 | 578.1 |
| 17.5° | 494.6 | 495.7 | 489.0 | 487.9 | 485.3 |
| 20°   | 402.9 | 399.8 | 399.3 | 399.8 | 396.7 |
| 22.5° | 317.9 | 321.0 | 317.4 | 317.9 | 315.8 |
| 25°   | 246.8 | 247.3 | 248.3 | 248.3 | 246.8 |
| 27.5° | 191.7 | 191.7 | 190.6 | 191.7 | 190.1 |
| 30°   | 145.3 | 145.3 | 146.3 | 147.4 | 145.3 |
| 32.5° | 112.3 | 112.3 | 112.3 | 112.8 | 113.4 |
| 35°   | 85.0  | 85.0  | 85.5  | 85.5  | 85.5  |
| 37.5° | 65.4  | 65.9  | 66.5  | 66.5  | 66.5  |
| 40°   | 50.5  | 51.0  | 51.0  | 51.5  | 51.0  |
| 42.5° | 40.2  | 40.2  | 40.2  | 40.7  | 40.7  |
| 45°   | 31.4  | 31.9  | 31.9  | 32.5  | 32.5  |
| 47.5° | 25.8  | 25.8  | 25.8  | 26.3  | 26.3  |
| 50°   | 20.6  | 21.1  | 21.1  | 21.1  | 21.1  |
| 52.5° | 17.0  | 17.0  | 17.5  | 17.5  | 17.5  |
| 55°   | 14.4  | 14.4  | 14.4  | 14.4  | 14.4  |
| 57.5° | 11.9  | 12.4  | 12.4  | 12.4  | 12.4  |
| 60°   | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  |
| 62.5° | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   |
| 65°   | 7.7   | 7.7   | 7.7   | 7.7   | 7.7   |
| 67.5° | 6.2   | 6.7   | 6.7   | 6.7   | 6.7   |
| 70°   | 5.7   | 5.7   | 5.7   | 5.7   | 5.7   |
| 72.5° | 4.1   | 4.6   | 4.6   | 4.6   | 4.6   |
| 75°   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   |
| 77.5° | 3.1   | 2.6   | 2.6   | 2.6   | 3.1   |
| 80°   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
| 82.5° | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 85°   | 0.5   | 0.5   | 0.5   | 0.5   | 1.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.5   | 0.5   |



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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)