

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: P1310800

Luminaire Tested: LDSQA3D24R259035D010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

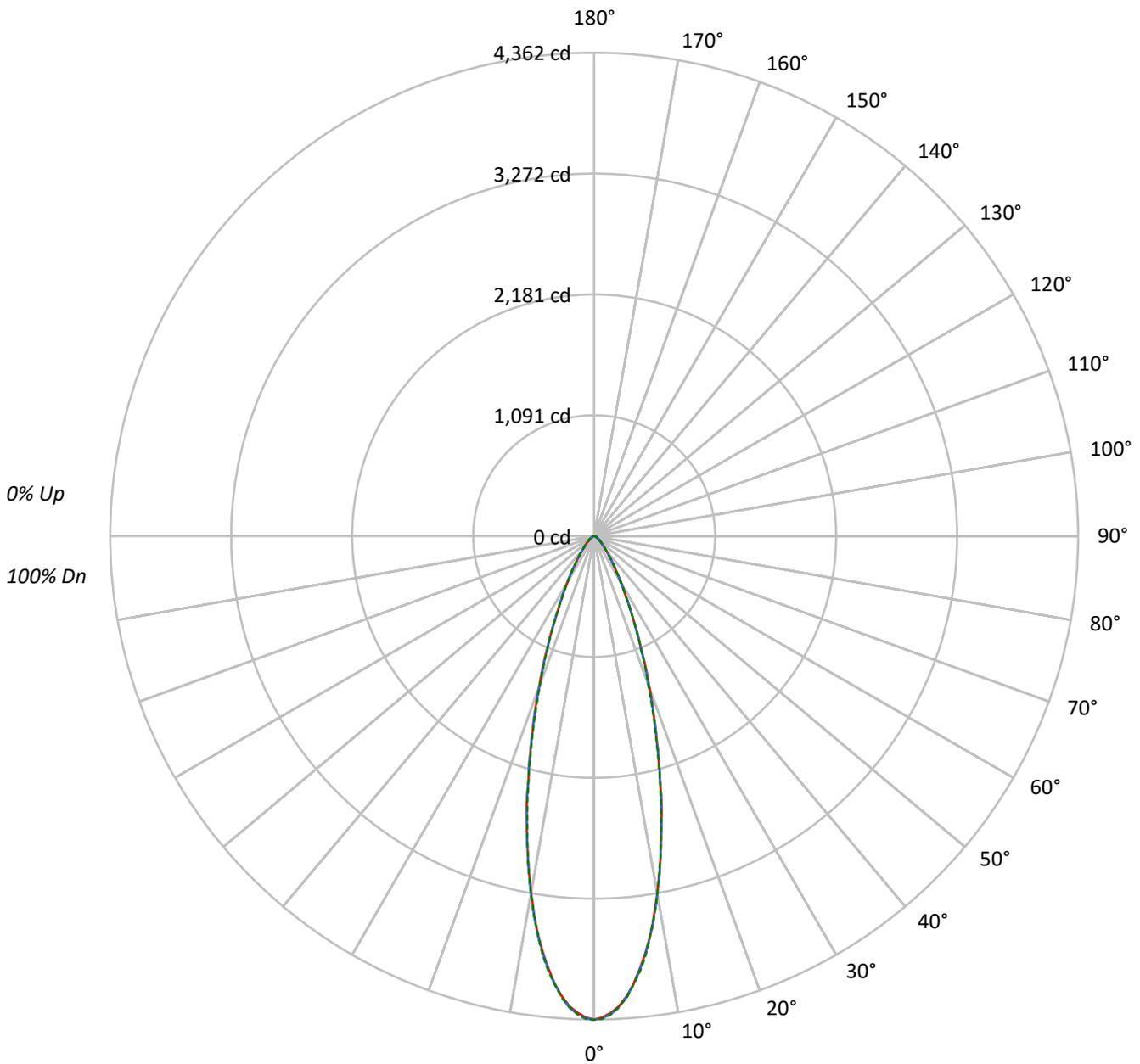
Test Method: LM-79-2019  
Report Number: P1310800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R259035D010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1747.9 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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

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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  |     |     |     |     |
| 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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 92  | 90  | 93  | 92  | 90  | 88  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 89  | 87  | 85  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 79  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 82  | 78  | 76  | 74  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  | 79  | 76  | 73  | 78  | 75  | 72  | 78  | 75  | 72  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 71  | 69  | 75  | 71  | 69  | 67  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 72  | 68  | 66  | 64  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 66  | 63  | 69  | 66  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 63  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 751321 | 751321 | 751321 |
| 5°  | 701290 | 701981 | 702344 |
| 10° | 572013 | 573797 | 573797 |
| 15° | 408570 | 410745 | 408570 |
| 20° | 267381 | 264778 | 261039 |
| 25° | 158976 | 159755 | 158976 |
| 30° | 95774  | 95774  | 95356  |
| 35° | 58343  | 58763  | 58343  |
| 40° | 37163  | 37613  | 37613  |
| 45° | 25842  | 25842  | 25842  |
| 50° | 18594  | 19130  | 19130  |
| 55° | 14713  | 14713  | 15313  |
| 60° | 11952  | 12641  | 12641  |
| 65° | 10799  | 10799  | 10799  |
| 70° | 9265   | 9265   | 10272  |
| 75° | 8118   | 8118   | 9515   |
| 80° | 8133   | 8133   | 8133   |
| 85° | 3952   | 3952   | 3952   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25842 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 362.5  | 20.7      |
| 10°-20°   | 631.9  | 36.2      |
| 20°-30°   | 397.3  | 22.7      |
| 30°-40°   | 181.7  | 10.4      |
| 40°-50°   | 84.9   | 4.9       |
| 50°-60°   | 45.6   | 2.6       |
| 60°-70°   | 26.9   | 1.5       |
| 70°-80°   | 14.0   | 0.8       |
| 80°-90°   | 3.1    | 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°    | 1391.7 | 79.6      |
| 0°-40°    | 1573.4 | 90.0      |
| 0°-60°    | 1703.9 | 97.5      |
| 0°-90°    | 1747.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1747.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4362 | 4362  | 4362 | 4362  | 4362 |      |
| 5°  | 4056 | 4065  | 4060 | 4065  | 4063 | 362  |
| 15° | 2292 | 2306  | 2304 | 2308  | 2292 | 632  |
| 25° | 837  | 847   | 841  | 841   | 837  | 398  |
| 35° | 278  | 278   | 280  | 280   | 278  | 181  |
| 45° | 106  | 106   | 106  | 106   | 106  | 84   |
| 55° | 49   | 49    | 49   | 51    | 51   | 45   |
| 65° | 26   | 26    | 26   | 26    | 26   | 26   |
| 75° | 12   | 12    | 12   | 14    | 14   | 14   |
| 85° | 2    | 2     | 2    | 2     | 2    | 3    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P1310800  
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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4362.5 | 4362.5 | 4362.5 | 4362.5 | 4362.5 |
| 1°    | 4344.2 | 4348.2 | 4352.3 | 4358.4 | 4356.4 |
| 2°    | 4303.4 | 4311.5 | 4313.6 | 4321.7 | 4319.7 |
| 3°    | 4248.3 | 4246.2 | 4262.5 | 4262.5 | 4252.3 |
| 4°    | 4162.6 | 4166.6 | 4170.7 | 4174.8 | 4176.8 |
| 5°    | 4056.5 | 4064.6 | 4060.5 | 4064.6 | 4062.6 |
| 6°    | 3925.9 | 3938.1 | 3936.1 | 3940.2 | 3946.3 |
| 7°    | 3787.1 | 3795.3 | 3795.3 | 3791.2 | 3807.5 |
| 8°    | 3636.1 | 3630.0 | 3640.2 | 3636.1 | 3634.1 |
| 9°    | 3456.6 | 3468.8 | 3470.8 | 3460.6 | 3464.7 |
| 10°   | 3270.9 | 3279.0 | 3281.1 | 3287.2 | 3281.1 |
| 11°   | 3087.2 | 3087.2 | 3091.3 | 3101.5 | 3085.2 |
| 12°   | 2887.3 | 2905.6 | 2887.3 | 2895.4 | 2887.3 |
| 13°   | 2697.5 | 2701.6 | 2697.5 | 2695.5 | 2681.2 |
| 14°   | 2517.9 | 2503.7 | 2507.7 | 2491.4 | 2493.5 |
| 15°   | 2291.5 | 2305.7 | 2303.7 | 2307.8 | 2291.5 |
| 17.5° | 1842.5 | 1850.7 | 1848.7 | 1844.6 | 1824.2 |
| 20°   | 1458.9 | 1458.9 | 1444.7 | 1436.5 | 1424.3 |
| 22.5° | 1114.1 | 1110.0 | 1103.9 | 1097.8 | 1101.9 |
| 25°   | 836.6  | 846.8  | 840.7  | 840.7  | 836.6  |
| 27.5° | 632.5  | 644.8  | 634.6  | 628.5  | 632.5  |
| 30°   | 481.6  | 485.6  | 481.6  | 479.5  | 479.5  |
| 32.5° | 363.2  | 365.2  | 363.2  | 363.2  | 363.2  |
| 35°   | 277.5  | 277.5  | 279.5  | 279.5  | 277.5  |
| 37.5° | 214.2  | 214.2  | 214.2  | 214.2  | 216.3  |
| 40°   | 165.3  | 167.3  | 167.3  | 167.3  | 167.3  |
| 42.5° | 130.6  | 132.6  | 132.6  | 132.6  | 132.6  |
| 45°   | 106.1  | 106.1  | 106.1  | 106.1  | 106.1  |
| 47.5° | 85.7   | 85.7   | 85.7   | 85.7   | 87.7   |
| 50°   | 69.4   | 71.4   | 71.4   | 71.4   | 71.4   |
| 52.5° | 59.2   | 59.2   | 59.2   | 59.2   | 59.2   |
| 55°   | 49.0   | 49.0   | 49.0   | 51.0   | 51.0   |
| 57.5° | 40.8   | 40.8   | 42.8   | 42.8   | 42.8   |
| 60°   | 34.7   | 36.7   | 36.7   | 36.7   | 36.7   |
| 62.5° | 30.6   | 30.6   | 32.6   | 32.6   | 32.6   |
| 65°   | 26.5   | 26.5   | 26.5   | 26.5   | 26.5   |
| 67.5° | 22.4   | 22.4   | 22.4   | 22.4   | 24.5   |
| 70°   | 18.4   | 18.4   | 18.4   | 20.4   | 20.4   |
| 72.5° | 16.3   | 16.3   | 16.3   | 16.3   | 16.3   |
| 75°   | 12.2   | 12.2   | 12.2   | 14.3   | 14.3   |
| 77.5° | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 80°   | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    |
| 82.5° | 4.1    | 4.1    | 6.1    | 6.1    | 6.1    |
| 85°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 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)