

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: P1310830

Luminaire Tested: LDSQA3D24R359035D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310830  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R359035D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

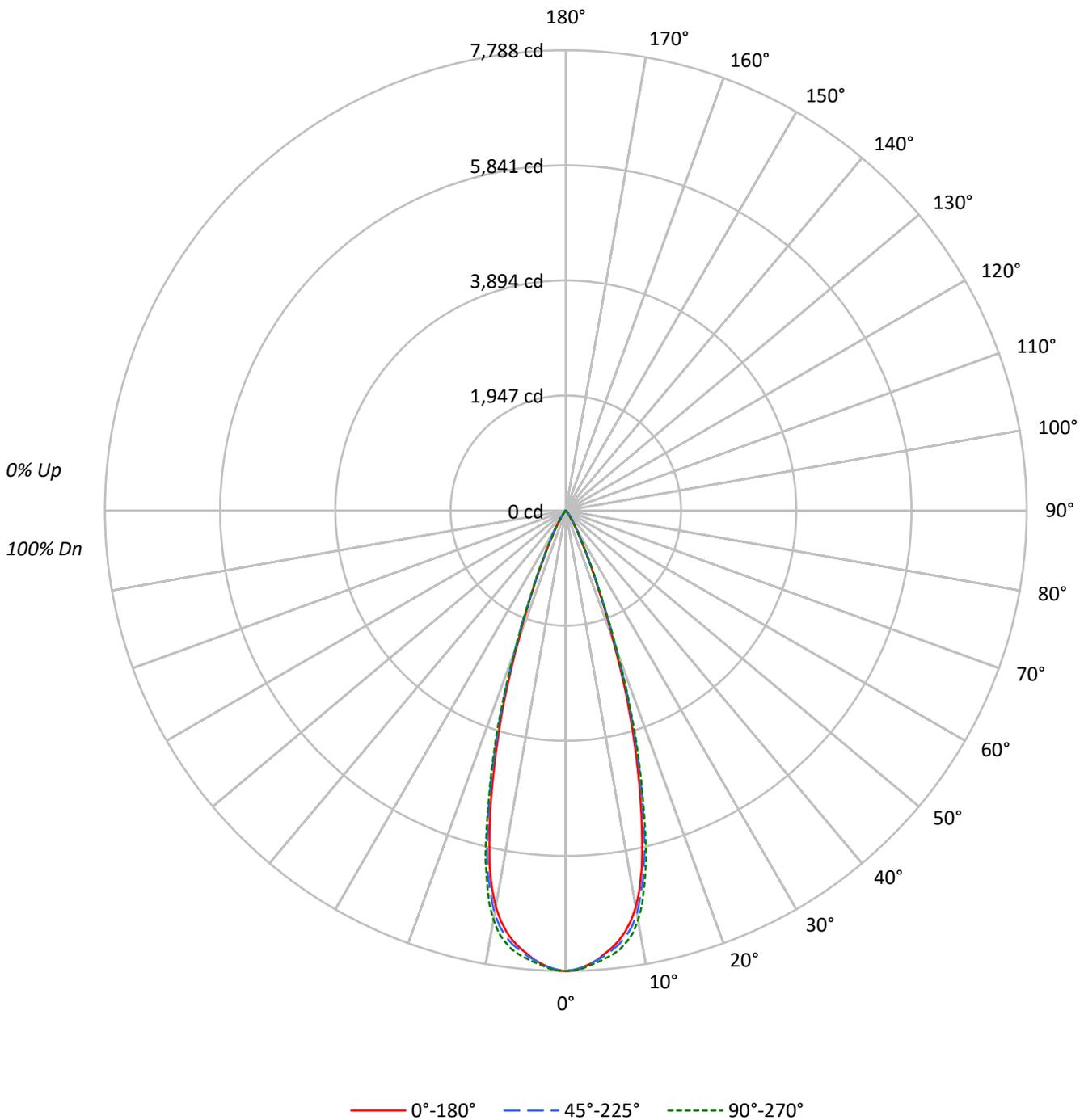
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2615.9 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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 (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





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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   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 98  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  | 99  | 98  | 96  | 97  | 95  | 94  | 94  | 94  | 94  | 93  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  | 96  | 94  | 92  | 94  | 92  | 90  | 94  | 92  | 90  | 89  |
| 4   | 103 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 91  | 89  | 87  | 86  |
| 5   | 100 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 89  | 86  | 84  | 83  |
| 6   | 97  | 90  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 82  | 79  | 85  | 82  | 79  | 84  | 81  | 79  | 83  | 81  | 78  | 83  | 81  | 78  | 77  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 79  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 81  | 78  | 76  | 75  |
| 9   | 88  | 81  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 79  | 76  | 73  | 79  | 76  | 73  | 72  |
| 10  | 86  | 79  | 75  | 72  | 85  | 78  | 74  | 72  | 78  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 71  | 76  | 73  | 71  | 70  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1341253 | 1341253 | 1341253 |
| 5°  | 1301548 | 1306129 | 1314964 |
| 10° | 1190579 | 1211285 | 1229857 |
| 15° | 854618  | 885909  | 895020  |
| 20° | 429873  | 454945  | 456063  |
| 25° | 162929  | 167965  | 168744  |
| 30° | 66163   | 75907   | 64949   |
| 35° | 24031   | 36478   | 23169   |
| 40° | 10094   | 15603   | 9645    |
| 45° | 2484    | 6454    | 2484    |
| 50° | 1634    | 2733    | 1634    |
| 55° | 1832    | 1832    | 1832    |
| 60° | 2101    | 2101    | 2101    |
| 65° | 1671    | 1671    | 1671    |
| 70° | 1007    | 1007    | 1007    |
| 75° | 1331    | 1331    | 1331    |
| 80° | 1984    | 1984    | 1984    |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6454 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 704.1  | 26.9      |
| 10°-20°   | 1311.8 | 50.1      |
| 20°-30°   | 471.8  | 18.0      |
| 30°-40°   | 99.1   | 3.8       |
| 40°-50°   | 17.1   | 0.7       |
| 50°-60°   | 5.6    | 0.2       |
| 60°-70°   | 4.0    | 0.2       |
| 70°-80°   | 2.1    | 0.1       |
| 80°-90°   | 0.3    | 0.0       |
| 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°    | 2487.7 | 95.1      |
| 0°-40°    | 2586.8 | 98.9      |
| 0°-60°    | 2609.4 | 99.8      |
| 0°-90°    | 2615.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2615.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7788 | 7788  | 7788 | 7788  | 7788 |      |
| 5°  | 7529 | 7543  | 7555 | 7606  | 7606 | 698  |
| 15° | 4793 | 4877  | 4969 | 5022  | 5020 | 1276 |
| 25° | 857  | 870   | 884  | 892   | 888  | 456  |
| 35° | 114  | 135   | 174  | 133   | 110  | 87   |
| 45° | 10   | 16    | 26   | 16    | 10   | 12   |
| 55° | 6    | 6     | 6    | 6     | 6    | 5    |
| 65° | 4    | 4     | 4    | 4     | 4    | 4    |
| 75° | 2    | 2     | 2    | 2     | 2    | 2    |
| 85° | 0    | 0     | 0    | 0     | 0    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 7787.9 | 7787.9 | 7787.9 | 7787.9 | 7787.9 |
| 1°    | 7783.8 | 7783.8 | 7767.5 | 7785.8 | 7779.7 |
| 2°    | 7740.9 | 7745.0 | 7734.8 | 7757.2 | 7755.2 |
| 3°    | 7681.7 | 7691.9 | 7683.8 | 7716.4 | 7706.2 |
| 4°    | 7618.4 | 7626.6 | 7622.5 | 7663.3 | 7659.3 |
| 5°    | 7528.6 | 7542.9 | 7555.1 | 7606.2 | 7606.2 |
| 6°    | 7436.7 | 7451.0 | 7477.6 | 7532.7 | 7551.1 |
| 7°    | 7330.6 | 7349.0 | 7391.8 | 7465.3 | 7477.6 |
| 8°    | 7195.9 | 7216.3 | 7275.5 | 7355.1 | 7371.4 |
| 9°    | 7028.5 | 7059.1 | 7126.5 | 7222.4 | 7232.6 |
| 10°   | 6808.0 | 6832.5 | 6926.4 | 7006.0 | 7032.6 |
| 11°   | 6522.2 | 6542.6 | 6626.3 | 6754.9 | 6771.3 |
| 12°   | 6175.2 | 6199.7 | 6307.9 | 6391.6 | 6407.9 |
| 13°   | 5736.3 | 5783.2 | 5913.9 | 5995.5 | 6040.4 |
| 14°   | 5285.1 | 5348.4 | 5442.3 | 5558.7 | 5530.1 |
| 15°   | 4793.2 | 4876.9 | 4968.7 | 5021.8 | 5019.8 |
| 17.5° | 3586.7 | 3635.7 | 3717.4 | 3748.0 | 3788.8 |
| 20°   | 2345.5 | 2408.8 | 2482.3 | 2510.9 | 2488.4 |
| 22.5° | 1455.5 | 1471.8 | 1494.3 | 1506.5 | 1502.5 |
| 25°   | 857.4  | 869.6  | 883.9  | 892.1  | 888.0  |
| 27.5° | 516.5  | 545.0  | 565.5  | 541.0  | 526.7  |
| 30°   | 332.7  | 345.0  | 381.7  | 349.1  | 326.6  |
| 32.5° | 198.0  | 226.6  | 257.2  | 218.4  | 189.8  |
| 35°   | 114.3  | 134.7  | 173.5  | 132.7  | 110.2  |
| 37.5° | 73.5   | 83.7   | 112.3  | 81.7   | 71.4   |
| 40°   | 44.9   | 57.2   | 69.4   | 53.1   | 42.9   |
| 42.5° | 22.5   | 34.7   | 40.8   | 30.6   | 22.5   |
| 45°   | 10.2   | 16.3   | 26.5   | 16.3   | 10.2   |
| 47.5° | 6.1    | 8.2    | 16.3   | 8.2    | 6.1    |
| 50°   | 6.1    | 6.1    | 10.2   | 6.1    | 6.1    |
| 52.5° | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 55°   | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 57.5° | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 60°   | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 62.5° | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 65°   | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 67.5° | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 70°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 72.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 75°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 77.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 80°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 82.5° | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)