

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: P1315011

Luminaire Tested: LDSQA3D20R559730D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315011  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R559730D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

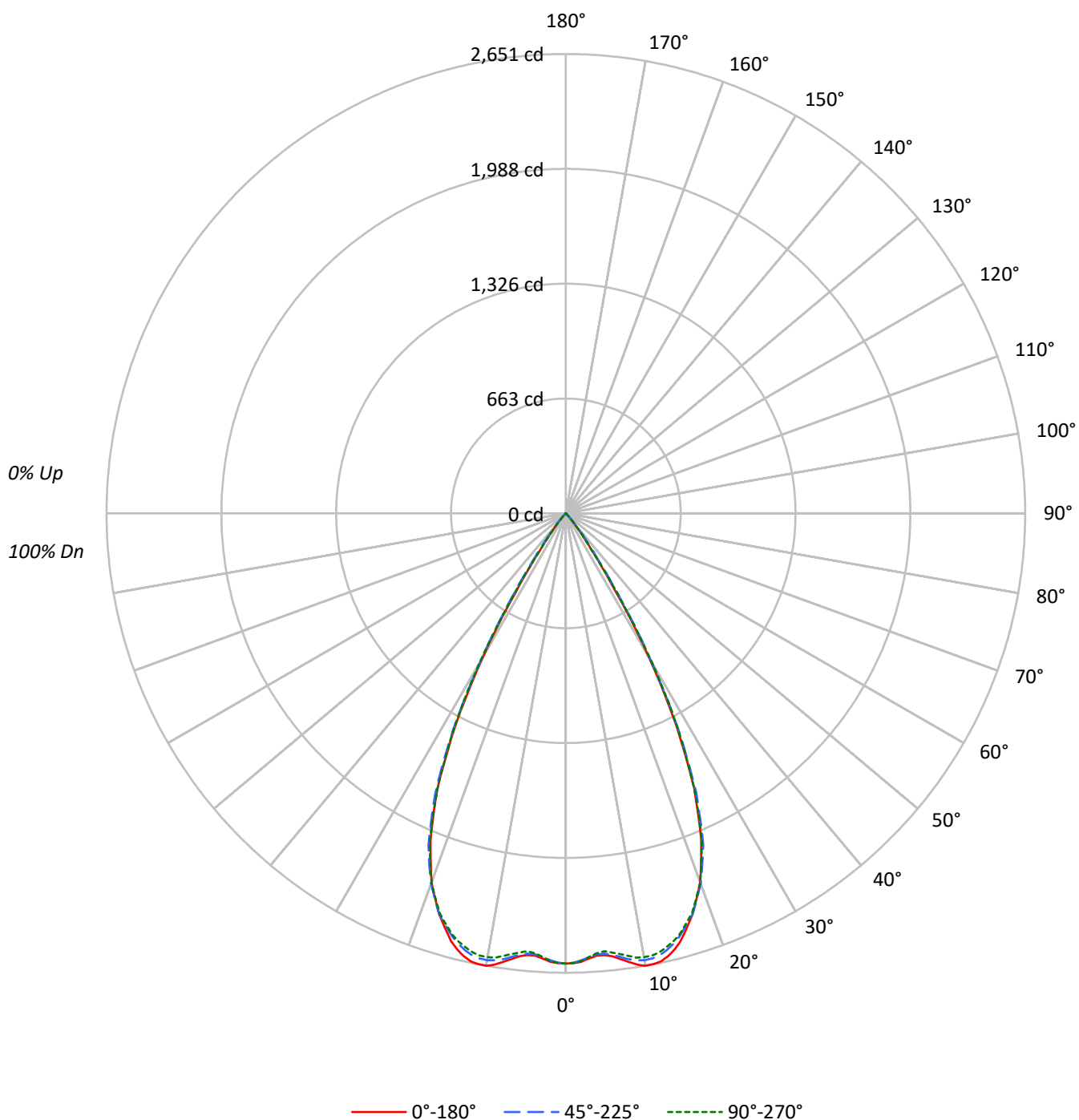
Lumens per Lamp: N/A  
Luminaire Lumens: 1975.0 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 10  |
| 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 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  | 92  | 90  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 65  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 447400 | 447400 | 447400 |
| 5°  | 442297 | 440984 | 438615 |
| 10° | 463588 | 458009 | 454826 |
| 15° | 455890 | 451023 | 449400 |
| 20° | 415247 | 416915 | 415522 |
| 25° | 333136 | 338323 | 333136 |
| 30° | 191209 | 196022 | 197533 |
| 35° | 54517  | 65681  | 56114  |
| 40° | 13984  | 20121  | 14321  |
| 45° | 1486   | 7015   | 1096   |
| 50° | 0      | 1206   | 0      |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7015 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 246.6  | 12.5      |
| 10°-20°   | 703.8  | 35.6      |
| 20°-30°   | 775.2  | 39.3      |
| 30°-40°   | 231.4  | 11.7      |
| 40°-50°   | 17.8   | 0.9       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 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°    | 1725.7 | 87.4      |
| 0°-40°    | 1957.1 | 99.1      |
| 0°-60°    | 1975.0 | 100.0     |
| 0°-90°    | 1975.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1975.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2598 | 2598  | 2598 | 2598  | 2598 |      |
| 5°  | 2558 | 2554  | 2551 | 2540  | 2537 | 248  |
| 15° | 2557 | 2539  | 2530 | 2519  | 2520 | 709  |
| 25° | 1753 | 1753  | 1780 | 1777  | 1753 | 768  |
| 35° | 259  | 276   | 312  | 285   | 267  | 214  |
| 45° | 6    | 15    | 29   | 15    | 4    | 12   |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2597.8 | 2597.8 | 2597.8 | 2597.8 | 2597.8 |
| 1°    | 2596.3 | 2596.3 | 2593.3 | 2591.7 | 2596.3 |
| 2°    | 2588.7 | 2588.7 | 2581.1 | 2579.6 | 2584.2 |
| 3°    | 2572.0 | 2570.5 | 2564.4 | 2559.9 | 2562.9 |
| 4°    | 2558.4 | 2555.3 | 2550.8 | 2543.2 | 2544.7 |
| 5°    | 2558.4 | 2553.8 | 2550.8 | 2540.2 | 2537.1 |
| 6°    | 2570.5 | 2567.5 | 2561.4 | 2550.8 | 2547.8 |
| 7°    | 2591.7 | 2585.7 | 2579.6 | 2566.0 | 2562.9 |
| 8°    | 2614.5 | 2609.9 | 2597.8 | 2584.2 | 2578.1 |
| 9°    | 2637.2 | 2626.6 | 2611.5 | 2597.8 | 2596.3 |
| 10°   | 2650.9 | 2635.7 | 2619.0 | 2602.4 | 2600.8 |
| 11°   | 2649.4 | 2635.7 | 2616.0 | 2600.8 | 2599.3 |
| 12°   | 2643.3 | 2623.6 | 2606.9 | 2588.7 | 2590.2 |
| 13°   | 2622.1 | 2603.9 | 2587.2 | 2573.5 | 2570.5 |
| 14°   | 2593.3 | 2576.6 | 2561.4 | 2547.8 | 2549.3 |
| 15°   | 2556.9 | 2538.7 | 2529.6 | 2518.9 | 2520.5 |
| 17.5° | 2428.0 | 2423.4 | 2428.0 | 2415.8 | 2420.4 |
| 20°   | 2265.7 | 2261.1 | 2274.8 | 2268.7 | 2267.2 |
| 22.5° | 2039.7 | 2045.8 | 2071.6 | 2064.0 | 2050.3 |
| 25°   | 1753.1 | 1753.1 | 1780.4 | 1777.4 | 1753.1 |
| 27.5° | 1380.0 | 1390.7 | 1407.3 | 1414.9 | 1396.7 |
| 30°   | 961.5  | 985.7  | 985.7  | 1000.9 | 993.3  |
| 32.5° | 536.8  | 588.4  | 600.5  | 608.1  | 577.8  |
| 35°   | 259.3  | 276.0  | 312.4  | 285.1  | 266.9  |
| 37.5° | 124.4  | 131.9  | 168.3  | 136.5  | 127.4  |
| 40°   | 62.2   | 71.3   | 89.5   | 74.3   | 63.7   |
| 42.5° | 25.8   | 37.9   | 47.0   | 37.9   | 25.8   |
| 45°   | 6.1    | 15.2   | 28.8   | 15.2   | 4.5    |
| 47.5° | 0.0    | 1.5    | 13.6   | 3.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 4.5    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 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)