

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: P1317025

Luminaire Tested: LDSQA3D02R259827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317025  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

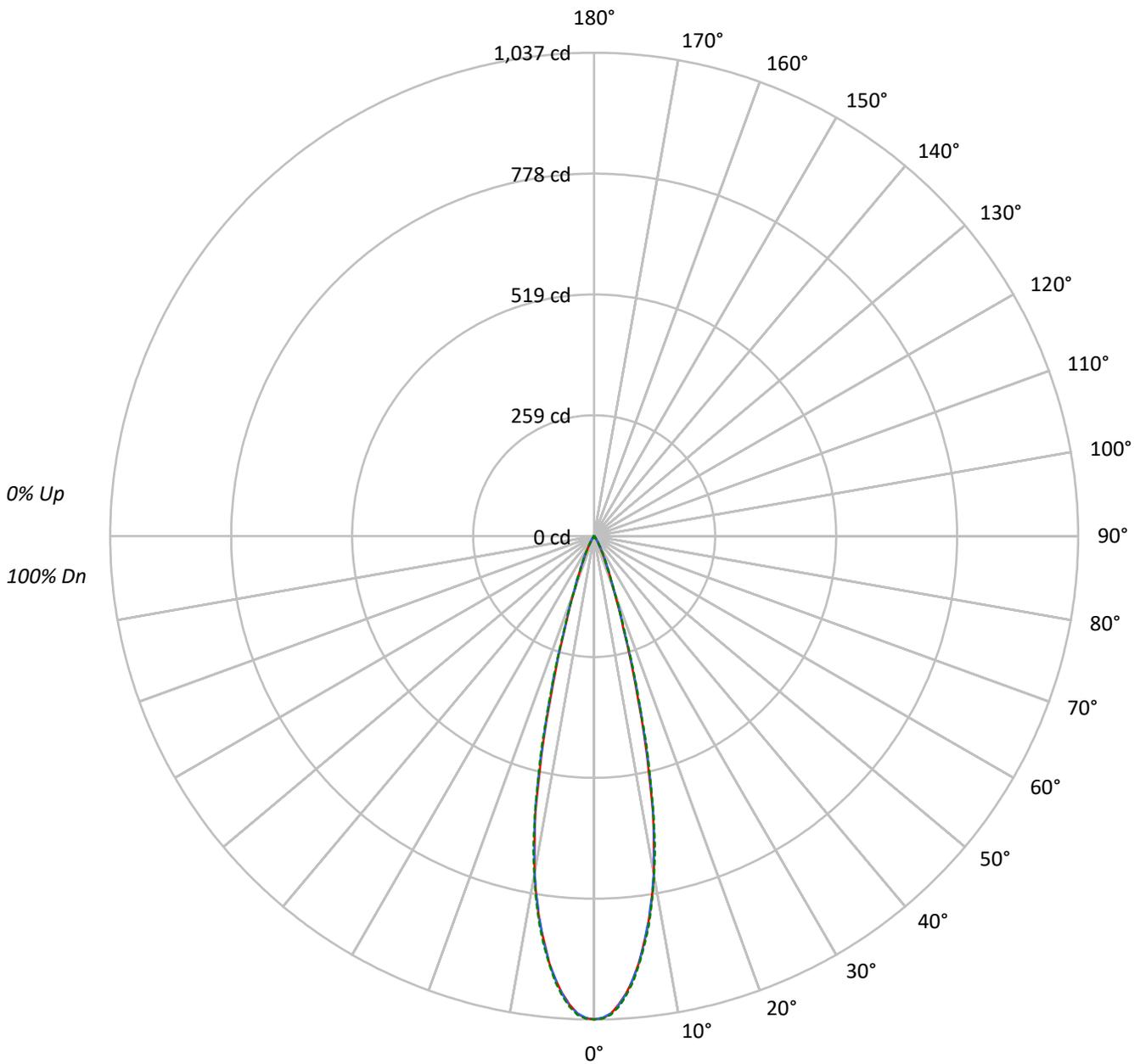
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 219.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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



— 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 | 100 | 100 | 100 | 100 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 102 | 100 | 99  | 99  | 97  | 97  | 97  | 97  |
| 2   | 112 | 108 | 105 | 103 | 110 | 106 | 104 | 102 | 103 | 101 | 100 | 101 | 99  | 97  | 98  | 97  | 95  | 94  | 94  | 94  | 94  |
| 3   | 108 | 104 | 100 | 98  | 107 | 103 | 99  | 97  | 100 | 98  | 95  | 98  | 96  | 94  | 96  | 94  | 93  | 91  | 91  | 91  | 91  |
| 4   | 105 | 100 | 96  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89  | 89  | 89  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86  | 86  | 86  |
| 6   | 100 | 94  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 88  | 86  | 90  | 88  | 86  | 89  | 87  | 85  | 84  | 84  | 84  | 84  |
| 7   | 97  | 91  | 87  | 84  | 96  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 87  | 85  | 83  | 82  | 82  | 82  | 82  |
| 8   | 95  | 88  | 84  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 80  | 80  | 80  | 80  |
| 9   | 92  | 86  | 82  | 80  | 91  | 86  | 82  | 79  | 85  | 82  | 79  | 84  | 81  | 79  | 83  | 81  | 79  | 78  | 78  | 78  | 78  |
| 10  | 90  | 84  | 80  | 78  | 89  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 76  | 76  | 76  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 178543 | 178543 | 178543 |
| 5°  | 164911 | 164859 | 165775 |
| 10° | 128816 | 128466 | 129341 |
| 15° | 64811  | 67521  | 67450  |
| 20° | 22176  | 22781  | 22415  |
| 25° | 8912   | 10014  | 9292   |
| 30° | 3619   | 4315   | 3520   |
| 35° | 1051   | 1892   | 1051   |
| 40° | 495    | 832    | 495    |
| 45° | 170    | 317    | 170    |
| 50° | 80     | 134    | 80     |
| 55° | 90     | 90     | 90     |
| 60° | 103    | 103    | 103    |
| 65° | 82     | 82     | 82     |
| 70° | 101    | 101    | 101    |
| 75° | 133    | 133    | 133    |
| 80° | 0      | 198    | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 317 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.1   | 38.4      |
| 10°-20°   | 102.9  | 47.0      |
| 20°-30°   | 25.1   | 11.5      |
| 30°-40°   | 5.2    | 2.4       |
| 40°-50°   | 0.9    | 0.4       |
| 50°-60°   | 0.3    | 0.1       |
| 60°-70°   | 0.2    | 0.1       |
| 70°-80°   | 0.2    | 0.1       |
| 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°    | 212.2  | 96.9      |
| 0°-40°    | 217.4  | 99.3      |
| 0°-60°    | 218.6  | 99.8      |
| 0°-90°    | 219.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 219.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1037 | 1037  | 1037 | 1037  | 1037 |      |
| 5°  | 954  | 955   | 954  | 956   | 959  | 84   |
| 15° | 364  | 370   | 379  | 380   | 378  | 101  |
| 25° | 47   | 49    | 53   | 50    | 49   | 24   |
| 35° | 5    | 7     | 9    | 7     | 5    | 4    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1036.7 | 1036.7 | 1036.7 | 1036.7 | 1036.7 |
| 1°    | 1034.7 | 1033.3 | 1033.0 | 1033.2 | 1034.8 |
| 2°    | 1025.3 | 1024.5 | 1024.3 | 1024.8 | 1027.1 |
| 3°    | 1006.3 | 1007.3 | 1007.6 | 1009.3 | 1010.5 |
| 4°    | 982.9  | 984.9  | 984.1  | 986.1  | 987.4  |
| 5°    | 953.9  | 954.7  | 953.6  | 955.6  | 958.9  |
| 6°    | 920.0  | 917.0  | 919.8  | 920.7  | 923.0  |
| 7°    | 877.8  | 878.5  | 879.5  | 880.5  | 884.0  |
| 8°    | 836.2  | 834.2  | 833.7  | 838.4  | 841.2  |
| 9°    | 787.7  | 788.0  | 786.2  | 791.5  | 792.3  |
| 10°   | 736.6  | 732.4  | 734.6  | 738.8  | 739.6  |
| 11°   | 669.2  | 668.0  | 671.2  | 677.7  | 682.9  |
| 12°   | 605.9  | 606.6  | 609.9  | 612.1  | 610.9  |
| 13°   | 522.3  | 527.3  | 531.5  | 533.7  | 530.8  |
| 14°   | 446.7  | 446.7  | 452.1  | 452.9  | 463.1  |
| 15°   | 363.5  | 369.6  | 378.7  | 380.3  | 378.3  |
| 17.5° | 209.9  | 210.8  | 215.1  | 214.9  | 218.1  |
| 20°   | 121.0  | 122.2  | 124.3  | 123.8  | 122.3  |
| 22.5° | 72.8   | 75.3   | 80.4   | 76.3   | 75.1   |
| 25°   | 46.9   | 49.1   | 52.7   | 49.7   | 48.9   |
| 27.5° | 29.4   | 30.9   | 33.7   | 31.0   | 29.7   |
| 30°   | 18.2   | 19.0   | 21.7   | 19.2   | 17.7   |
| 32.5° | 9.8    | 12.0   | 14.2   | 12.0   | 9.8    |
| 35°   | 5.0    | 7.0    | 9.0    | 6.8    | 5.0    |
| 37.5° | 3.3    | 4.0    | 5.8    | 3.8    | 3.3    |
| 40°   | 2.2    | 2.7    | 3.7    | 2.7    | 2.2    |
| 42.5° | 1.2    | 1.7    | 2.0    | 1.8    | 1.2    |
| 45°   | 0.7    | 1.0    | 1.3    | 1.0    | 0.7    |
| 47.5° | 0.5    | 0.5    | 0.8    | 0.5    | 0.3    |
| 50°   | 0.3    | 0.3    | 0.5    | 0.3    | 0.3    |
| 52.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 55°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 57.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 60°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 62.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 65°   | 0.2    | 0.3    | 0.2    | 0.2    | 0.2    |
| 67.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 70°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 72.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 75°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 77.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 80°   | 0.0    | 0.0    | 0.2    | 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)