

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: P1324825

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQPHRL1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324825  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQPHRL1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

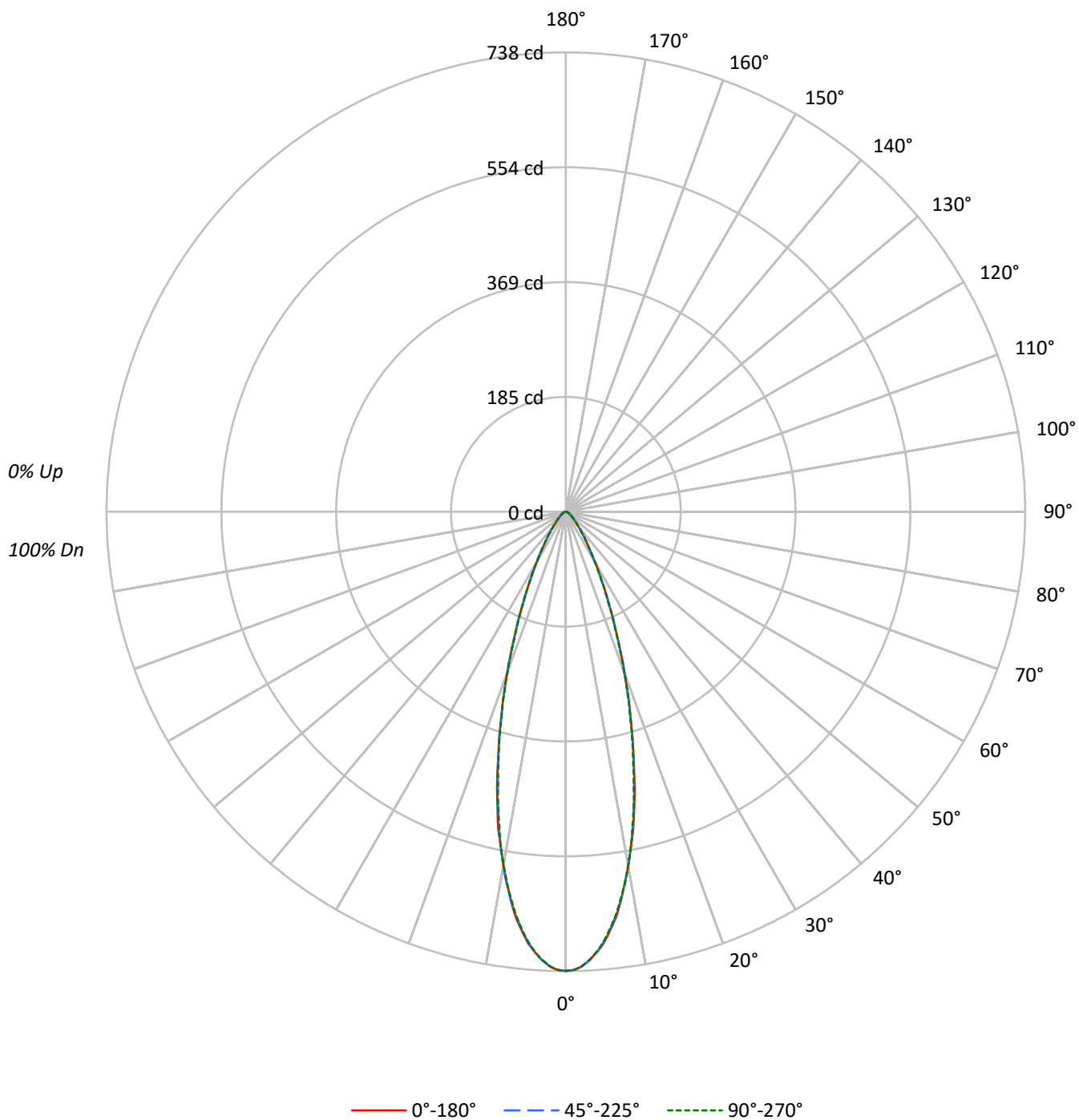
Lumens per Lamp: N/A  
Luminaire Lumens: 324.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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 | 100 |    |    |
| 1   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98  | 98  | 97  | 96  | 94  |    |    |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  | 96  | 93  | 91  | 93  | 91  | 90  | 88  |    |    |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  | 91  | 88  | 85  | 89  | 86  | 84  | 83  |    |    |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  | 87  | 83  | 80  | 85  | 82  | 79  | 78  |    |    |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  | 82  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |
| 6   | 90  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  | 79  | 75  | 72  | 77  | 74  | 71  | 70  |    |    |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 74  | 71  | 68  | 66  |    |    |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 63  |    |    |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 65  | 62  | 61  |    |    |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 58  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 127049 | 127049 | 127049 |
| 5°  | 120290 | 119979 | 119927 |
| 10° | 101063 | 101063 | 100678 |
| 15° | 75295  | 75099  | 74653  |
| 20° | 50401  | 50126  | 50199  |
| 25° | 31069  | 30993  | 31126  |
| 30° | 18673  | 18673  | 18753  |
| 35° | 11458  | 11458  | 11521  |
| 40° | 7262   | 7262   | 7419   |
| 45° | 4969   | 5066   | 5066   |
| 50° | 3644   | 3644   | 3644   |
| 55° | 2792   | 2913   | 2913   |
| 60° | 2342   | 2342   | 2480   |
| 65° | 2038   | 2038   | 2038   |
| 70° | 1813   | 1964   | 1964   |
| 75° | 1664   | 1664   | 1664   |
| 80° | 1389   | 1389   | 1389   |
| 85° | 790    | 790    | 790    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5066 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 62.5   | 19.3      |
| 10°-20°   | 115.5  | 35.6      |
| 20°-30°   | 76.8   | 23.7      |
| 30°-40°   | 35.5   | 11.0      |
| 40°-50°   | 16.5   | 5.1       |
| 50°-60°   | 8.8    | 2.7       |
| 60°-70°   | 5.1    | 1.6       |
| 70°-80°   | 2.7    | 0.8       |
| 80°-90°   | 0.6    | 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°    | 254.8  | 78.6      |
| 0°-40°    | 290.3  | 89.6      |
| 0°-60°    | 315.5  | 97.4      |
| 0°-90°    | 324.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 324.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 738 | 738   | 738 | 738   | 738 |      |
| 5°  | 696 | 694   | 694 | 696   | 694 | 63   |
| 15° | 422 | 424   | 421 | 421   | 419 | 116  |
| 25° | 164 | 163   | 163 | 163   | 164 | 77   |
| 35° | 54  | 54    | 54  | 55    | 55  | 35   |
| 45° | 20  | 20    | 21  | 21    | 21  | 16   |
| 55° | 9   | 10    | 10  | 10    | 10  | 9    |
| 65° | 5   | 5     | 5   | 5     | 5   | 5    |
| 75° | 2   | 2     | 2   | 2     | 2   | 3    |
| 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°    | 737.7 | 737.7 | 737.7 | 737.7 | 737.7 |
| 1°    | 736.3 | 735.6 | 736.3 | 737.4 | 736.0 |
| 2°    | 731.3 | 730.6 | 730.6 | 732.0 | 730.6 |
| 3°    | 721.6 | 722.3 | 722.0 | 723.4 | 720.9 |
| 4°    | 709.4 | 709.1 | 710.5 | 711.2 | 709.1 |
| 5°    | 695.8 | 694.4 | 694.0 | 695.8 | 693.7 |
| 6°    | 677.2 | 676.1 | 675.4 | 677.5 | 674.7 |
| 7°    | 657.1 | 656.4 | 655.3 | 656.0 | 653.9 |
| 8°    | 632.4 | 632.0 | 631.3 | 632.0 | 629.5 |
| 9°    | 604.8 | 604.8 | 606.2 | 605.8 | 604.4 |
| 10°   | 577.9 | 578.6 | 577.9 | 578.6 | 575.7 |
| 11°   | 547.8 | 547.8 | 548.5 | 548.1 | 548.5 |
| 12°   | 521.6 | 518.7 | 518.0 | 517.3 | 515.1 |
| 13°   | 487.9 | 485.7 | 485.0 | 485.7 | 484.7 |
| 14°   | 457.1 | 455.6 | 452.0 | 452.8 | 451.3 |
| 15°   | 422.3 | 423.7 | 421.2 | 421.2 | 418.7 |
| 17.5° | 345.2 | 343.8 | 344.5 | 344.9 | 343.8 |
| 20°   | 275.0 | 274.2 | 273.5 | 272.8 | 273.9 |
| 22.5° | 213.7 | 214.0 | 213.3 | 212.6 | 211.9 |
| 25°   | 163.5 | 163.1 | 163.1 | 163.1 | 163.8 |
| 27.5° | 124.0 | 124.0 | 124.0 | 124.4 | 124.4 |
| 30°   | 93.9  | 93.2  | 93.9  | 94.3  | 94.3  |
| 32.5° | 70.3  | 71.0  | 71.3  | 71.3  | 71.3  |
| 35°   | 54.5  | 54.1  | 54.5  | 54.8  | 54.8  |
| 37.5° | 41.6  | 41.6  | 41.9  | 41.9  | 42.3  |
| 40°   | 32.3  | 32.3  | 32.3  | 32.6  | 33.0  |
| 42.5° | 25.5  | 25.5  | 25.8  | 25.8  | 26.2  |
| 45°   | 20.4  | 20.4  | 20.8  | 20.8  | 20.8  |
| 47.5° | 16.5  | 16.5  | 16.8  | 16.8  | 16.8  |
| 50°   | 13.6  | 13.6  | 13.6  | 13.6  | 13.6  |
| 52.5° | 11.5  | 11.1  | 11.5  | 11.5  | 11.5  |
| 55°   | 9.3   | 9.7   | 9.7   | 9.7   | 9.7   |
| 57.5° | 7.9   | 8.2   | 8.2   | 8.2   | 8.2   |
| 60°   | 6.8   | 6.8   | 6.8   | 7.2   | 7.2   |
| 62.5° | 5.7   | 6.1   | 6.1   | 6.1   | 6.1   |
| 65°   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |
| 67.5° | 4.3   | 4.3   | 4.3   | 4.3   | 4.7   |
| 70°   | 3.6   | 3.6   | 3.9   | 3.9   | 3.9   |
| 72.5° | 3.2   | 3.2   | 3.2   | 3.2   | 3.2   |
| 75°   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| 77.5° | 1.8   | 1.8   | 2.2   | 2.2   | 1.8   |
| 80°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 82.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 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)