

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: P1326308

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCDR1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326308  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQCDR1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

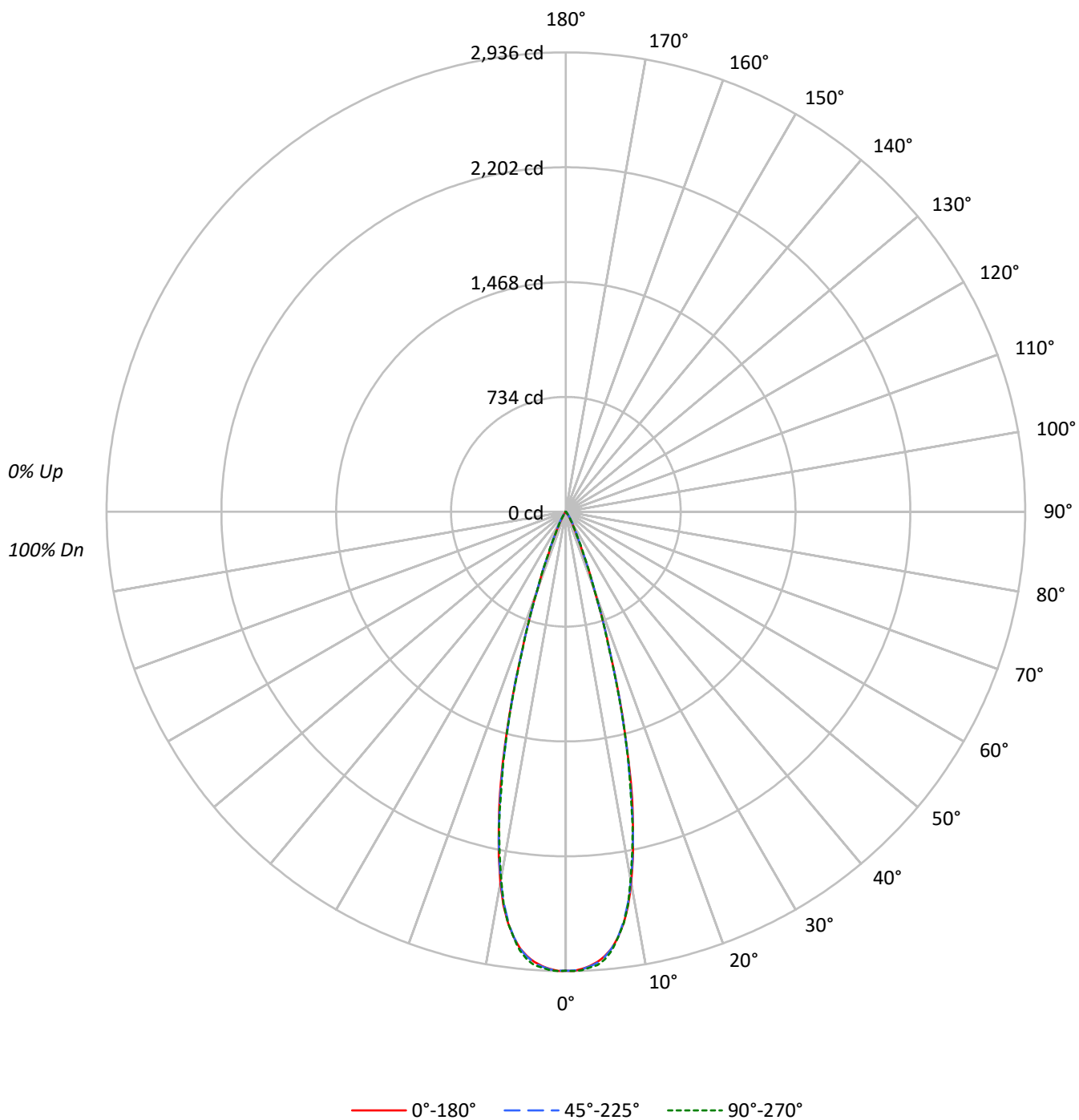
Lumens per Lamp: N/A  
Luminaire Lumens: 757.0 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 96 | 95 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 85 | 84 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 76 | 75 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 74 | 73 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 505250 | 505250 | 505250 |
| 5°  | 492934 | 493539 | 496288 |
| 10° | 421005 | 419046 | 416580 |
| 15° | 259816 | 256767 | 257712 |
| 20° | 98199  | 98731  | 98621  |
| 25° | 30214  | 33122  | 31544  |
| 30° | 12171  | 15452  | 12648  |
| 35° | 3595   | 6560   | 3721   |
| 40° | 1461   | 2653   | 1461   |
| 45° | 292    | 852    | 292    |
| 50° | 0      | 161    | 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: 852 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 258.8  | 34.2      |
| 10°-20°   | 383.1  | 50.6      |
| 20°-30°   | 95.0   | 12.6      |
| 30°-40°   | 17.8   | 2.4       |
| 40°-50°   | 2.3    | 0.3       |
| 50°-60°   | 0.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 736.9  | 97.3      |
| 0°-40°    | 754.7  | 99.7      |
| 0°-60°    | 757.0  | 100.0     |
| 0°-90°    | 757.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 757.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2934 | 2934  | 2934 | 2934  | 2934 |      |
| 5°  | 2851 | 2850  | 2855 | 2860  | 2871 | 259  |
| 15° | 1457 | 1443  | 1440 | 1451  | 1445 | 385  |
| 25° | 159  | 170   | 174  | 174   | 166  | 92   |
| 35° | 17   | 22    | 31   | 23    | 18   | 14   |
| 45° | 1    | 2     | 4    | 2     | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2933.7 | 2933.7 | 2933.7 | 2933.7 | 2933.7 |
| 1°    | 2934.9 | 2932.6 | 2932.6 | 2929.0 | 2935.5 |
| 2°    | 2924.3 | 2922.0 | 2926.1 | 2923.1 | 2931.4 |
| 3°    | 2908.4 | 2905.5 | 2911.4 | 2913.1 | 2917.2 |
| 4°    | 2884.9 | 2882.5 | 2889.0 | 2892.5 | 2903.7 |
| 5°    | 2851.3 | 2850.1 | 2854.8 | 2859.5 | 2870.7 |
| 6°    | 2805.4 | 2803.6 | 2806.6 | 2812.4 | 2819.5 |
| 7°    | 2738.9 | 2735.3 | 2737.7 | 2738.9 | 2740.6 |
| 8°    | 2654.7 | 2649.4 | 2646.4 | 2652.9 | 2656.4 |
| 9°    | 2546.3 | 2540.4 | 2534.0 | 2531.6 | 2539.9 |
| 10°   | 2407.4 | 2398.6 | 2396.2 | 2390.3 | 2382.1 |
| 11°   | 2246.1 | 2239.0 | 2237.2 | 2226.6 | 2221.9 |
| 12°   | 2061.2 | 2057.7 | 2061.8 | 2055.3 | 2053.0 |
| 13°   | 1884.0 | 1861.6 | 1858.7 | 1846.3 | 1839.8 |
| 14°   | 1674.4 | 1653.8 | 1653.2 | 1646.7 | 1655.6 |
| 15°   | 1457.2 | 1443.0 | 1440.1 | 1451.3 | 1445.4 |
| 17.5° | 929.0  | 938.5  | 936.1  | 930.2  | 920.2  |
| 20°   | 535.8  | 529.3  | 538.7  | 541.1  | 538.1  |
| 22.5° | 285.5  | 287.9  | 289.7  | 296.7  | 301.4  |
| 25°   | 159.0  | 169.6  | 174.3  | 173.7  | 166.0  |
| 27.5° | 98.9   | 105.4  | 114.2  | 108.3  | 101.9  |
| 30°   | 61.2   | 66.5   | 77.7   | 67.1   | 63.6   |
| 32.5° | 33.0   | 41.8   | 50.0   | 41.8   | 34.1   |
| 35°   | 17.1   | 22.4   | 31.2   | 23.0   | 17.7   |
| 37.5° | 11.2   | 13.0   | 20.0   | 13.0   | 11.2   |
| 40°   | 6.5    | 8.2    | 11.8   | 8.2    | 6.5    |
| 42.5° | 2.9    | 4.7    | 6.5    | 4.7    | 2.9    |
| 45°   | 1.2    | 1.8    | 3.5    | 2.4    | 1.2    |
| 47.5° | 0.0    | 0.6    | 1.8    | 0.6    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.6    | 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)