

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: P1324536

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

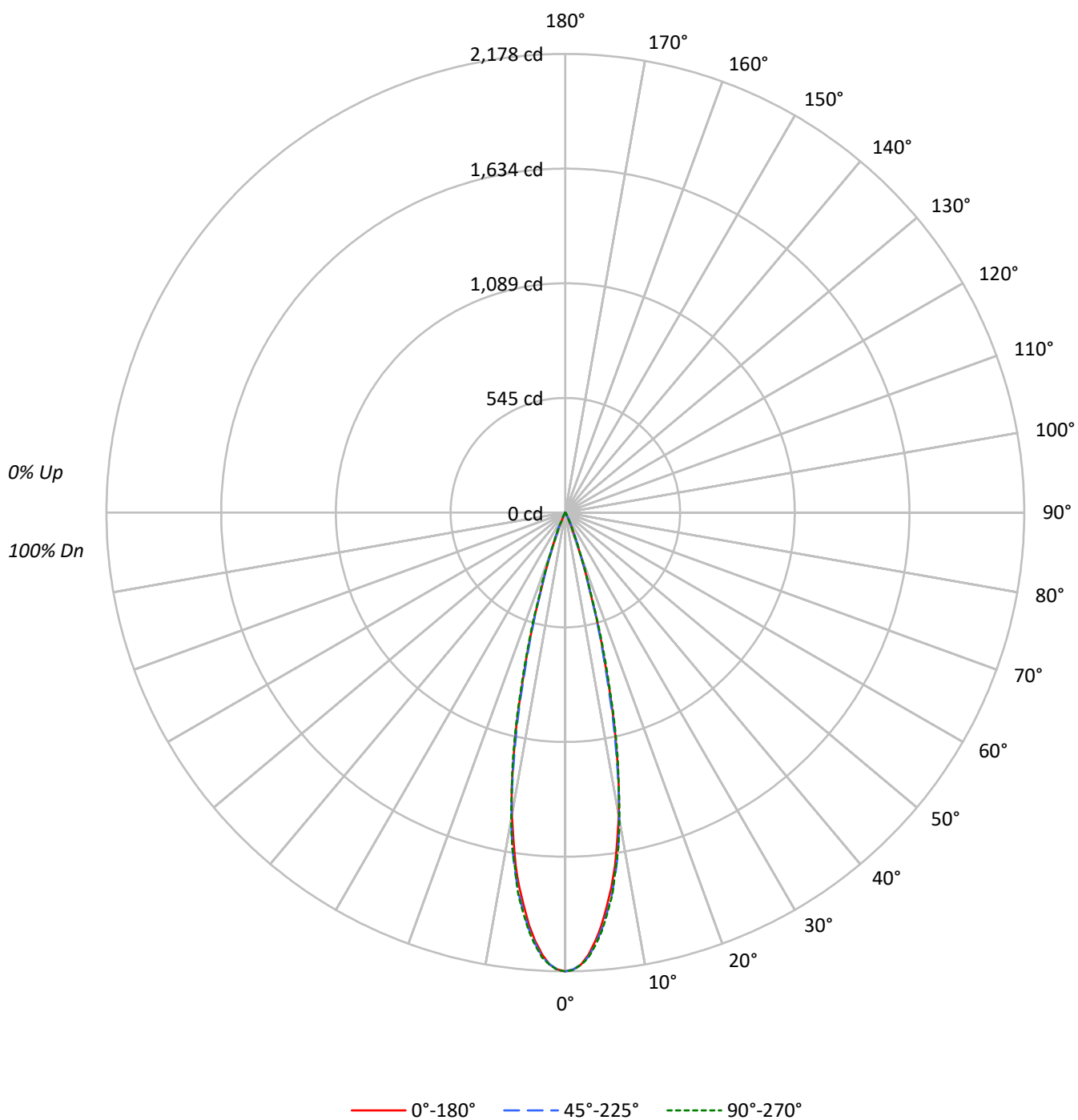
Lumens per Lamp: N/A  
Luminaire Lumens: 402.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 375135 | 375135 | 375135 |
| 5°  | 339952 | 343047 | 344724 |
| 10° | 255569 | 257388 | 258577 |
| 15° | 126538 | 122776 | 130942 |
| 20° | 35739  | 36325  | 36728  |
| 25° | 6195   | 11725  | 7354   |
| 30° | 2426   | 2486   | 2565   |
| 35° | 757    | 820    | 820    |
| 40° | 247    | 315    | 247    |
| 45° | 170    | 97     | 170    |
| 50° | 107    | 0      | 107    |
| 55° | 120    | 0      | 120    |
| 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: 0°

Vertical Angle: 45°

Luminance: 170 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 173.0  | 43.0      |
| 10°-20°   | 195.1  | 48.5      |
| 20°-30°   | 30.3   | 7.5       |
| 30°-40°   | 3.1    | 0.8       |
| 40°-50°   | 0.4    | 0.1       |
| 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°    | 398.5  | 99.1      |
| 0°-40°    | 401.5  | 99.9      |
| 0°-60°    | 402.0  | 100.0     |
| 0°-90°    | 402.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 402.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2178 | 2178  | 2178 | 2178  | 2178 |      |
| 5°  | 1966 | 1970  | 1984 | 1992  | 1994 | 171  |
| 15° | 710  | 705   | 689  | 719   | 734  | 194  |
| 25° | 33   | 48    | 62   | 47    | 39   | 27   |
| 35° | 4    | 4     | 4    | 4     | 4    | 3    |
| 45° | 1    | 0     | 0    | 0     | 1    | 0    |
| 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°    | 2178.2 | 2178.2 | 2178.2 | 2178.2 | 2178.2 |
| 1°    | 2169.3 | 2172.2 | 2168.9 | 2172.5 | 2172.2 |
| 2°    | 2146.7 | 2149.6 | 2145.6 | 2147.8 | 2147.8 |
| 3°    | 2100.5 | 2106.6 | 2110.1 | 2112.7 | 2114.8 |
| 4°    | 2039.5 | 2046.3 | 2051.7 | 2058.2 | 2058.2 |
| 5°    | 1966.4 | 1970.0 | 1984.3 | 1992.2 | 1994.0 |
| 6°    | 1879.3 | 1893.6 | 1904.4 | 1920.2 | 1910.5 |
| 7°    | 1792.2 | 1804.0 | 1819.1 | 1821.6 | 1828.4 |
| 8°    | 1693.3 | 1705.8 | 1719.8 | 1717.3 | 1711.6 |
| 9°    | 1572.8 | 1591.1 | 1607.6 | 1602.2 | 1609.4 |
| 10°   | 1461.4 | 1472.5 | 1471.8 | 1466.4 | 1478.6 |
| 11°   | 1332.0 | 1334.5 | 1320.5 | 1342.4 | 1329.1 |
| 12°   | 1178.6 | 1180.7 | 1162.8 | 1184.3 | 1197.9 |
| 13°   | 1031.6 | 1026.6 | 1001.8 | 1030.2 | 1047.4 |
| 14°   | 862.4  | 864.2  | 832.7  | 887.5  | 883.2  |
| 15°   | 709.7  | 704.7  | 688.6  | 719.4  | 734.4  |
| 17.5° | 378.2  | 381.4  | 377.4  | 392.9  | 402.5  |
| 20°   | 195.0  | 200.4  | 198.2  | 204.7  | 200.4  |
| 22.5° | 101.1  | 108.6  | 110.8  | 105.7  | 92.1   |
| 25°   | 32.6   | 48.4   | 61.7   | 47.0   | 38.7   |
| 27.5° | 19.7   | 19.4   | 30.1   | 20.8   | 21.1   |
| 30°   | 12.2   | 11.8   | 12.5   | 12.5   | 12.9   |
| 32.5° | 6.8    | 7.2    | 6.8    | 7.5    | 7.2    |
| 35°   | 3.6    | 3.9    | 3.9    | 4.3    | 3.9    |
| 37.5° | 2.2    | 2.5    | 2.5    | 2.5    | 2.2    |
| 40°   | 1.1    | 1.4    | 1.4    | 1.1    | 1.1    |
| 42.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 45°   | 0.7    | 0.4    | 0.4    | 0.4    | 0.7    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 55°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)