

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: P1324515

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQCDR1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQCDR1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

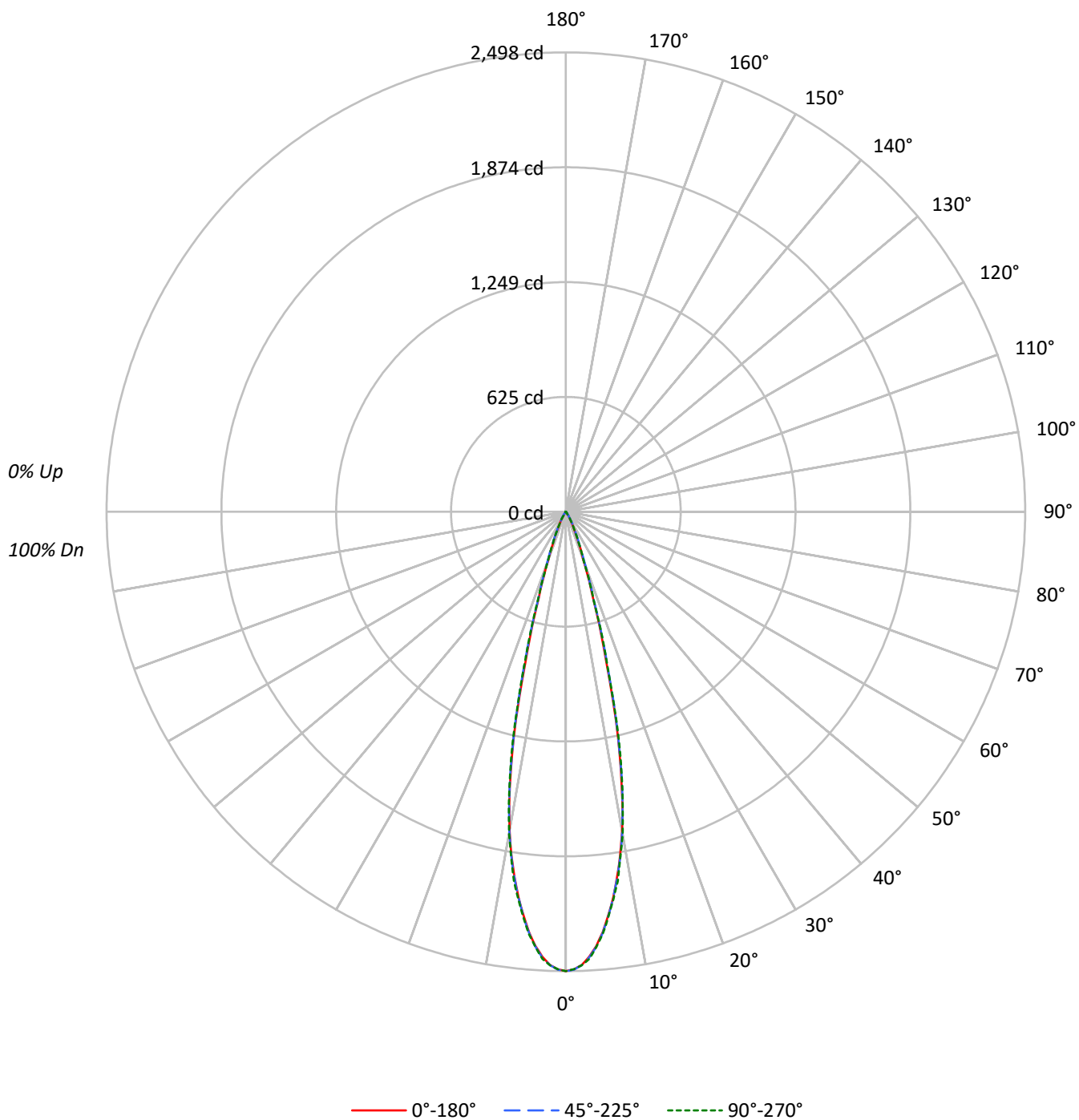
Lumens per Lamp: N/A  
Luminaire Lumens: 520.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 430247 | 430247 | 430247 |
| 5°  | 396709 | 397608 | 398438 |
| 10° | 308015 | 309134 | 310813 |
| 15° | 152213 | 158614 | 158685 |
| 20° | 51262  | 54689  | 52270  |
| 25° | 21226  | 23582  | 21834  |
| 30° | 8332   | 10480  | 8412   |
| 35° | 2187   | 4268   | 2271   |
| 40° | 809    | 1709   | 809    |
| 45° | 97     | 487    | 97     |
| 50° | 0      | 107    | 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: 487 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 202.4  | 38.9      |
| 10°-20°   | 244.8  | 47.1      |
| 20°-30°   | 59.8   | 11.5      |
| 30°-40°   | 11.6   | 2.2       |
| 40°-50°   | 1.3    | 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°    | 507.1  | 97.5      |
| 0°-40°    | 518.7  | 99.7      |
| 0°-60°    | 520.0  | 100.0     |
| 0°-90°    | 520.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 520.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2498 | 2498  | 2498 | 2498  | 2498 |      |
| 5°  | 2295 | 2298  | 2300 | 2310  | 2305 | 202  |
| 15° | 854  | 874   | 890  | 898   | 890  | 240  |
| 25° | 112  | 118   | 124  | 119   | 115  | 57   |
| 35° | 10   | 15    | 20   | 15    | 11   | 9    |
| 45° | 0    | 1     | 2    | 1     | 0    | 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°    | 2498.2 | 2498.2 | 2498.2 | 2498.2 | 2498.2 |
| 1°    | 2488.6 | 2490.2 | 2490.6 | 2493.0 | 2488.2 |
| 2°    | 2465.9 | 2466.2 | 2467.4 | 2472.2 | 2467.8 |
| 3°    | 2424.0 | 2426.8 | 2427.2 | 2433.5 | 2434.7 |
| 4°    | 2366.9 | 2368.5 | 2371.7 | 2382.5 | 2372.9 |
| 5°    | 2294.7 | 2297.9 | 2299.9 | 2309.9 | 2304.7 |
| 6°    | 2205.3 | 2206.1 | 2210.5 | 2222.1 | 2214.9 |
| 7°    | 2114.4 | 2114.0 | 2114.4 | 2123.6 | 2121.6 |
| 8°    | 2004.7 | 2002.7 | 2009.1 | 2020.2 | 2027.8 |
| 9°    | 1890.2 | 1893.0 | 1897.0 | 1907.7 | 1899.0 |
| 10°   | 1761.3 | 1768.9 | 1767.7 | 1768.5 | 1777.3 |
| 11°   | 1612.9 | 1615.3 | 1615.7 | 1624.1 | 1622.9 |
| 12°   | 1438.6 | 1438.6 | 1451.7 | 1465.3 | 1460.9 |
| 13°   | 1262.6 | 1275.0 | 1266.2 | 1269.0 | 1286.6 |
| 14°   | 1057.6 | 1067.2 | 1079.1 | 1090.3 | 1081.5 |
| 15°   | 853.7  | 874.1  | 889.6  | 898.4  | 890.0  |
| 17.5° | 489.1  | 495.9  | 509.0  | 510.6  | 505.5  |
| 20°   | 279.7  | 288.0  | 298.4  | 295.2  | 285.2  |
| 22.5° | 175.9  | 178.3  | 188.7  | 183.5  | 181.1  |
| 25°   | 111.7  | 117.7  | 124.1  | 118.9  | 114.9  |
| 27.5° | 69.4   | 73.4   | 80.2   | 74.6   | 70.2   |
| 30°   | 41.9   | 45.5   | 52.7   | 45.1   | 42.3   |
| 32.5° | 21.9   | 27.1   | 33.1   | 27.5   | 21.9   |
| 35°   | 10.4   | 14.8   | 20.3   | 14.8   | 10.8   |
| 37.5° | 6.4    | 8.0    | 12.4   | 8.0    | 6.4    |
| 40°   | 3.6    | 5.2    | 7.6    | 5.2    | 3.6    |
| 42.5° | 1.6    | 2.8    | 3.6    | 2.8    | 2.0    |
| 45°   | 0.4    | 1.2    | 2.0    | 1.2    | 0.4    |
| 47.5° | 0.0    | 0.0    | 1.2    | 0.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.4    | 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)