

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: P1324524

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQCDR1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

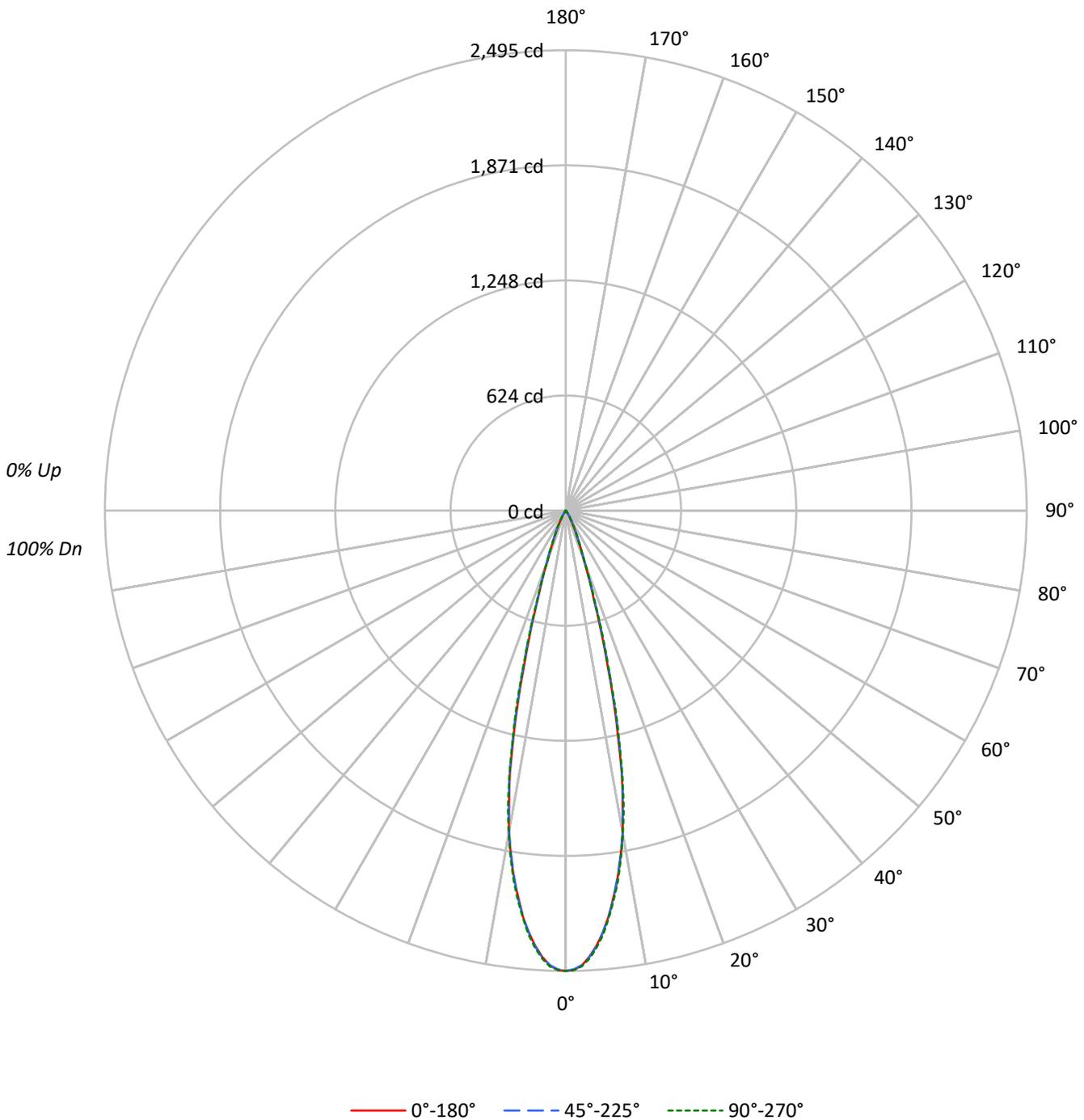
Test Method: LM-79-2019  
Report Number: P1324524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQCDR1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 527.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 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): 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  |     | 0  |    |
| 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 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 100 | 101 | 99  | 97  | 98  | 97  | 95  | 94  | 94 | 94 |
| 3   | 108 | 104 | 100 | 98  | 107 | 103 | 99  | 97  | 100 | 98  | 95  | 98  | 96  | 94  | 96  | 94  | 93  | 91  | 91 | 91 |
| 4   | 105 | 100 | 96  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86 | 86 |
| 6   | 100 | 94  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 88  | 86  | 90  | 88  | 86  | 89  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 84  | 96  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 87  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 88  | 84  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 80  | 80 | 80 |
| 9   | 92  | 86  | 82  | 80  | 91  | 86  | 82  | 79  | 85  | 82  | 79  | 84  | 81  | 79  | 83  | 81  | 79  | 78  | 78 | 78 |
| 10  | 90  | 84  | 80  | 78  | 89  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 76 | 76 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 429627 | 429627 | 429627 |
| 5°  | 396830 | 396692 | 398922 |
| 10° | 309991 | 309152 | 311250 |
| 15° | 155939 | 162465 | 162322 |
| 20° | 53351  | 54836  | 53956  |
| 25° | 21435  | 24114  | 22366  |
| 30° | 8710   | 10381  | 8472   |
| 35° | 2523   | 4562   | 2523   |
| 40° | 1169   | 1978   | 1169   |
| 45° | 390    | 779    | 390    |
| 50° | 214    | 322    | 214    |
| 55° | 240    | 240    | 240    |
| 60° | 276    | 276    | 276    |
| 65° | 163    | 163    | 163    |
| 70° | 201    | 201    | 201    |
| 75° | 266    | 266    | 266    |
| 80° | 0      | 397    | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 779 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 202.4  | 38.4      |
| 10°-20°   | 247.7  | 47.0      |
| 20°-30°   | 60.5   | 11.5      |
| 30°-40°   | 12.5   | 2.4       |
| 40°-50°   | 2.2    | 0.4       |
| 50°-60°   | 0.7    | 0.1       |
| 60°-70°   | 0.6    | 0.1       |
| 70°-80°   | 0.4    | 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°    | 510.6  | 96.9      |
| 0°-40°    | 523.1  | 99.3      |
| 0°-60°    | 526.0  | 99.8      |
| 0°-90°    | 527.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 527.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2495 | 2495  | 2495 | 2495  | 2495 |      |
| 5°  | 2295 | 2297  | 2295 | 2299  | 2308 | 202  |
| 15° | 875  | 890   | 911  | 915   | 910  | 244  |
| 25° | 113  | 118   | 127  | 120   | 118  | 58   |
| 35° | 12   | 17    | 22   | 16    | 12   | 10   |
| 45° | 2    | 2     | 3    | 2     | 2    | 2    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 65° | 0    | 1     | 0    | 0     | 0    | 1    |
| 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°    | 2494.6 | 2494.6 | 2494.6 | 2494.6 | 2494.6 |
| 1°    | 2489.8 | 2486.6 | 2485.8 | 2486.2 | 2490.2 |
| 2°    | 2467.3 | 2465.3 | 2464.9 | 2466.1 | 2471.7 |
| 3°    | 2421.5 | 2423.9 | 2424.7 | 2428.8 | 2431.6 |
| 4°    | 2365.3 | 2370.1 | 2368.1 | 2372.9 | 2376.1 |
| 5°    | 2295.4 | 2297.4 | 2294.6 | 2299.4 | 2307.5 |
| 6°    | 2213.9 | 2206.7 | 2213.5 | 2215.5 | 2221.1 |
| 7°    | 2112.3 | 2113.9 | 2116.3 | 2118.7 | 2127.2 |
| 8°    | 2012.3 | 2007.5 | 2006.3 | 2017.5 | 2024.4 |
| 9°    | 1895.5 | 1896.3 | 1891.8 | 1904.7 | 1906.7 |
| 10°   | 1772.6 | 1762.5 | 1767.8 | 1777.8 | 1779.8 |
| 11°   | 1610.3 | 1607.5 | 1615.2 | 1630.8 | 1643.3 |
| 12°   | 1458.1 | 1459.7 | 1467.8 | 1473.0 | 1470.2 |
| 13°   | 1256.9 | 1269.0 | 1279.0 | 1284.3 | 1277.4 |
| 14°   | 1075.0 | 1075.0 | 1087.9 | 1089.9 | 1114.4 |
| 15°   | 874.6  | 889.5  | 911.2  | 915.2  | 910.4  |
| 17.5° | 505.2  | 507.2  | 517.6  | 517.2  | 524.9  |
| 20°   | 291.1  | 294.0  | 299.2  | 298.0  | 294.4  |
| 22.5° | 175.1  | 181.1  | 193.6  | 183.5  | 180.7  |
| 25°   | 112.8  | 118.1  | 126.9  | 119.7  | 117.7  |
| 27.5° | 70.7   | 74.3   | 81.1   | 74.7   | 71.5   |
| 30°   | 43.8   | 45.8   | 52.2   | 46.2   | 42.6   |
| 32.5° | 23.7   | 28.9   | 34.1   | 28.9   | 23.7   |
| 35°   | 12.0   | 16.9   | 21.7   | 16.5   | 12.0   |
| 37.5° | 8.0    | 9.6    | 14.1   | 9.2    | 8.0    |
| 40°   | 5.2    | 6.4    | 8.8    | 6.4    | 5.2    |
| 42.5° | 2.8    | 4.0    | 4.8    | 4.4    | 2.8    |
| 45°   | 1.6    | 2.4    | 3.2    | 2.4    | 1.6    |
| 47.5° | 1.2    | 1.2    | 2.0    | 1.2    | 0.8    |
| 50°   | 0.8    | 0.8    | 1.2    | 0.8    | 0.8    |
| 52.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 55°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 57.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 60°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 62.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 65°   | 0.4    | 0.8    | 0.4    | 0.4    | 0.4    |
| 67.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 75°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 77.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 80°   | 0.0    | 0.0    | 0.4    | 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)