

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: P1324528

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHR1MB\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324528  
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 3LSQPHR1MB\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,  
3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

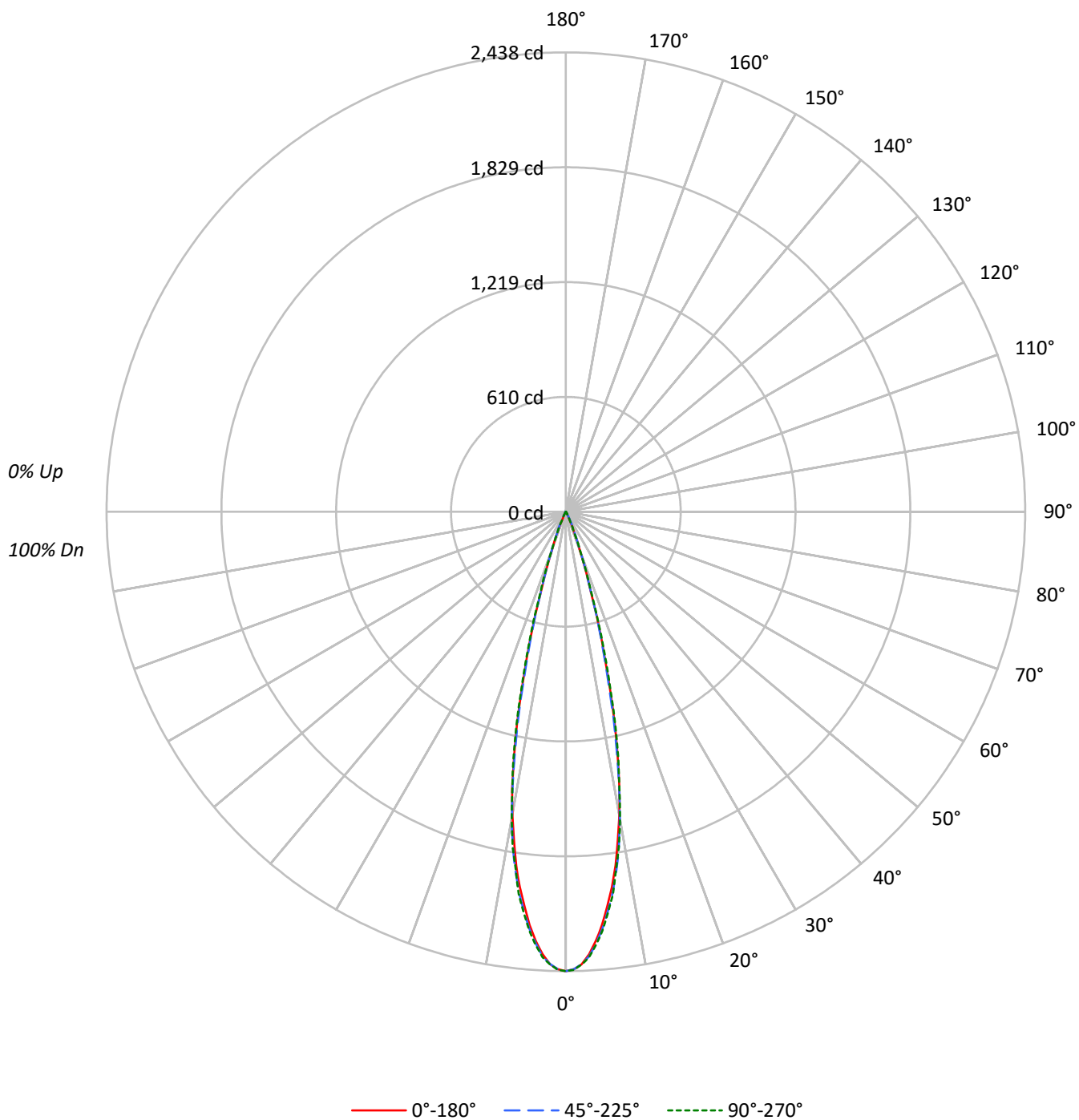
Lumens per Lamp: N/A  
Luminaire Lumens: 450.0 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 86  | 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°  | 419930 | 419930 | 419930 |
| 5°  | 380545 | 384019 | 385887 |
| 10° | 286085 | 288114 | 289443 |
| 15° | 141658 | 137432 | 146579 |
| 20° | 40009  | 40669  | 41109  |
| 25° | 6936   | 13112  | 8228   |
| 30° | 2705   | 2784   | 2864   |
| 35° | 841    | 925    | 925    |
| 40° | 270    | 360    | 270    |
| 45° | 195    | 97     | 195    |
| 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: 195 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 193.7  | 43.0      |
| 10°-20°   | 218.4  | 48.5      |
| 20°-30°   | 33.9   | 7.5       |
| 30°-40°   | 3.4    | 0.8       |
| 40°-50°   | 0.5    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 446.0  | 99.1      |
| 0°-40°    | 449.5  | 99.9      |
| 0°-60°    | 450.0  | 100.0     |
| 0°-90°    | 450.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 450.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2438 | 2438  | 2438 | 2438  | 2438 |      |
| 5°  | 2201 | 2205  | 2221 | 2230  | 2232 | 192  |
| 15° | 794  | 789   | 771  | 805   | 822  | 218  |
| 25° | 36   | 54    | 69   | 53    | 43   | 31   |
| 35° | 4    | 4     | 4    | 5     | 4    | 3    |
| 45° | 1    | 0     | 0    | 0     | 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°    | 2438.3 | 2438.3 | 2438.3 | 2438.3 | 2438.3 |
| 1°    | 2428.3 | 2431.5 | 2427.9 | 2431.9 | 2431.5 |
| 2°    | 2403.0 | 2406.2 | 2401.8 | 2404.2 | 2404.2 |
| 3°    | 2351.3 | 2358.1 | 2362.1 | 2364.9 | 2367.3 |
| 4°    | 2283.1 | 2290.7 | 2296.7 | 2303.9 | 2303.9 |
| 5°    | 2201.2 | 2205.2 | 2221.3 | 2230.1 | 2232.1 |
| 6°    | 2103.7 | 2119.7 | 2131.8 | 2149.4 | 2138.6 |
| 7°    | 2006.2 | 2019.4 | 2036.3 | 2039.1 | 2046.7 |
| 8°    | 1895.5 | 1909.5 | 1925.1 | 1922.3 | 1915.9 |
| 9°    | 1760.6 | 1781.1 | 1799.6 | 1793.5 | 1801.6 |
| 10°   | 1635.9 | 1648.3 | 1647.5 | 1641.5 | 1655.1 |
| 11°   | 1491.0 | 1493.8 | 1478.2 | 1502.6 | 1487.8 |
| 12°   | 1319.3 | 1321.7 | 1301.6 | 1325.7 | 1340.9 |
| 13°   | 1154.8 | 1149.2 | 1121.5 | 1153.2 | 1172.4 |
| 14°   | 965.4  | 967.4  | 932.1  | 993.5  | 988.7  |
| 15°   | 794.5  | 788.8  | 770.8  | 805.3  | 822.1  |
| 17.5° | 423.3  | 426.9  | 422.5  | 439.8  | 450.6  |
| 20°   | 218.3  | 224.3  | 221.9  | 229.1  | 224.3  |
| 22.5° | 113.1  | 121.6  | 124.0  | 118.4  | 103.1  |
| 25°   | 36.5   | 54.2   | 69.0   | 52.6   | 43.3   |
| 27.5° | 22.1   | 21.7   | 33.7   | 23.3   | 23.7   |
| 30°   | 13.6   | 13.2   | 14.0   | 14.0   | 14.4   |
| 32.5° | 7.6    | 8.0    | 7.6    | 8.4    | 8.0    |
| 35°   | 4.0    | 4.4    | 4.4    | 4.8    | 4.4    |
| 37.5° | 2.4    | 2.8    | 2.8    | 2.8    | 2.4    |
| 40°   | 1.2    | 1.6    | 1.6    | 1.2    | 1.2    |
| 42.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 45°   | 0.8    | 0.4    | 0.4    | 0.4    | 0.8    |
| 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)