

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: P1324550

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

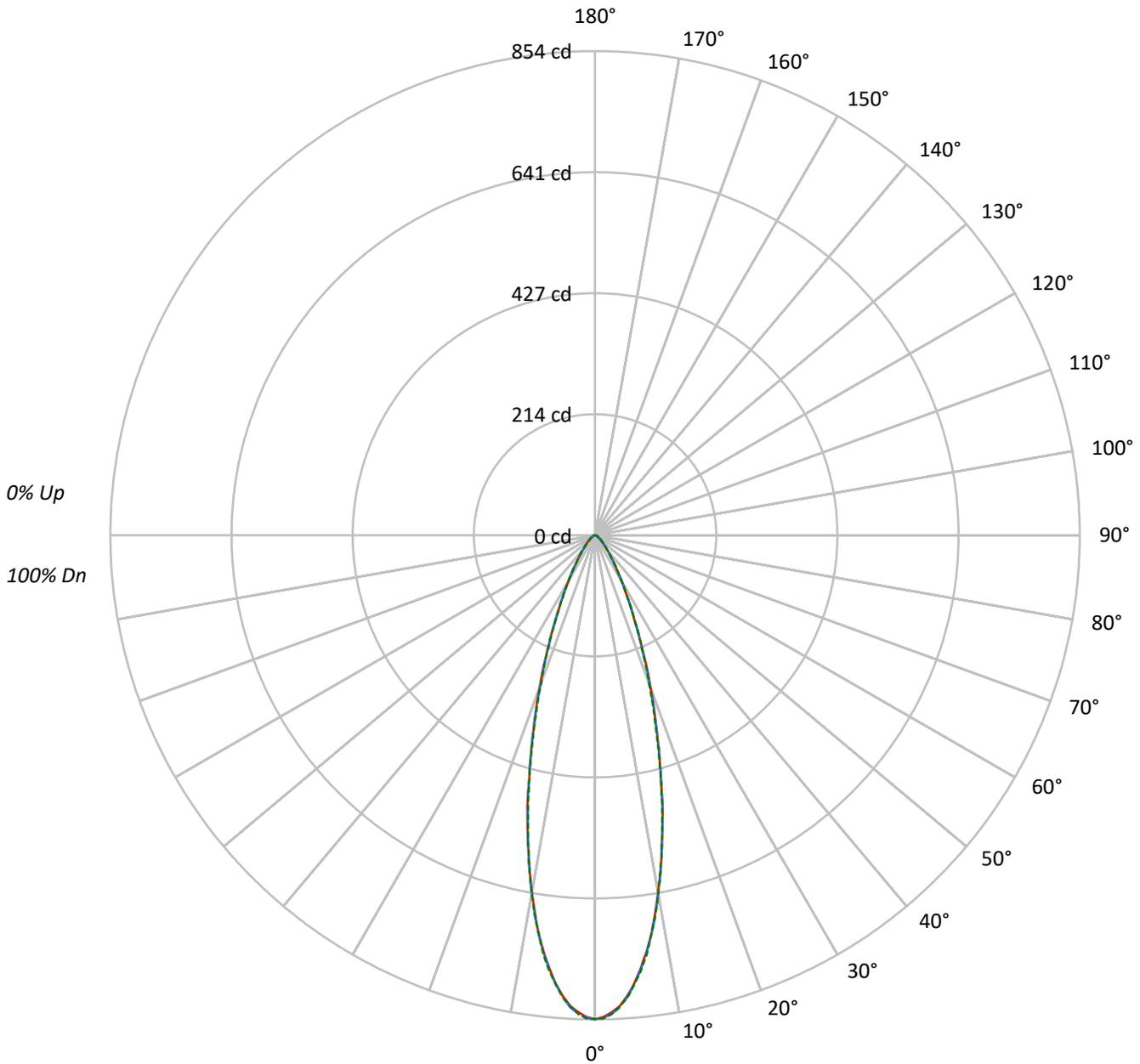
Test Method: LM-79-2019  
Report Number: P1324550  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 342.0 lumens  
Efficiency: N/A  
Efficacy: 58.0 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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

TEST NUMBER: P1324550  
CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MMS\_5000K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



TEST NUMBER: P1324550

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MMS\_5000K

**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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 92  | 90  | 93  | 92  | 90  | 88  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 89  | 87  | 85  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 79  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 82  | 78  | 76  | 74  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 75  | 72  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 71  | 69  | 75  | 71  | 69  | 67  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 72  | 68  | 66  | 64  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 66  | 63  | 69  | 66  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 63  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 146992 | 146992 | 146992 |
| 5°  | 137215 | 137354 | 137423 |
| 10° | 111923 | 112273 | 112273 |
| 15° | 79931  | 80359  | 79931  |
| 20° | 52307  | 51794  | 51079  |
| 25° | 31107  | 31259  | 31107  |
| 30° | 18733  | 18733  | 18654  |
| 35° | 11416  | 11500  | 11416  |
| 40° | 7262   | 7352   | 7352   |
| 45° | 5066   | 5066   | 5066   |
| 50° | 3644   | 3751   | 3751   |
| 55° | 2883   | 2883   | 3003   |
| 60° | 2342   | 2480   | 2480   |
| 65° | 2119   | 2119   | 2119   |
| 70° | 1813   | 1813   | 2014   |
| 75° | 1597   | 1597   | 1863   |
| 80° | 1587   | 1587   | 1587   |
| 85° | 790    | 790    | 790    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5066 cd/sqm



TEST NUMBER: P1324550

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MMS\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.9   | 20.7      |
| 10°-20°   | 123.6  | 36.1      |
| 20°-30°   | 77.7   | 22.7      |
| 30°-40°   | 35.6   | 10.4      |
| 40°-50°   | 16.6   | 4.9       |
| 50°-60°   | 8.9    | 2.6       |
| 60°-70°   | 5.3    | 1.5       |
| 70°-80°   | 2.7    | 0.8       |
| 80°-90°   | 0.6    | 0.2       |
| 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°    | 272.3  | 79.6      |
| 0°-40°    | 307.9  | 90.0      |
| 0°-60°    | 333.4  | 97.5      |
| 0°-90°    | 342.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 342.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 854 | 854   | 854 | 854   | 854 |      |
| 5°  | 794 | 795   | 794 | 795   | 795 | 71   |
| 15° | 448 | 451   | 451 | 452   | 448 | 124  |
| 25° | 164 | 166   | 164 | 164   | 164 | 78   |
| 35° | 54  | 54    | 55  | 55    | 54  | 35   |
| 45° | 21  | 21    | 21  | 21    | 21  | 16   |
| 55° | 10  | 10    | 10  | 10    | 10  | 9    |
| 65° | 5   | 5     | 5   | 5     | 5   | 5    |
| 75° | 2   | 2     | 2   | 3     | 3   | 3    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P1324550

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MMS\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 853.5 | 853.5 | 853.5 | 853.5 | 853.5 |
| 1°    | 849.9 | 850.7 | 851.5 | 852.7 | 852.3 |
| 2°    | 842.0 | 843.6 | 844.0 | 845.6 | 845.2 |
| 3°    | 831.2 | 830.8 | 834.0 | 834.0 | 832.0 |
| 4°    | 814.4 | 815.2 | 816.0 | 816.8 | 817.2 |
| 5°    | 793.7 | 795.3 | 794.5 | 795.3 | 794.9 |
| 6°    | 768.1 | 770.5 | 770.1 | 770.9 | 772.1 |
| 7°    | 741.0 | 742.6 | 742.6 | 741.8 | 745.0 |
| 8°    | 711.4 | 710.2 | 712.2 | 711.4 | 711.0 |
| 9°    | 676.3 | 678.7 | 679.1 | 677.1 | 677.9 |
| 10°   | 640.0 | 641.6 | 642.0 | 643.1 | 642.0 |
| 11°   | 604.0 | 604.0 | 604.8 | 606.8 | 603.6 |
| 12°   | 564.9 | 568.5 | 564.9 | 566.5 | 564.9 |
| 13°   | 527.8 | 528.6 | 527.8 | 527.4 | 524.6 |
| 14°   | 492.6 | 489.8 | 490.6 | 487.5 | 487.9 |
| 15°   | 448.3 | 451.1 | 450.7 | 451.5 | 448.3 |
| 17.5° | 360.5 | 362.1 | 361.7 | 360.9 | 356.9 |
| 20°   | 285.4 | 285.4 | 282.6 | 281.1 | 278.7 |
| 22.5° | 218.0 | 217.2 | 216.0 | 214.8 | 215.6 |
| 25°   | 163.7 | 165.7 | 164.5 | 164.5 | 163.7 |
| 27.5° | 123.8 | 126.2 | 124.2 | 123.0 | 123.8 |
| 30°   | 94.2  | 95.0  | 94.2  | 93.8  | 93.8  |
| 32.5° | 71.1  | 71.5  | 71.1  | 71.1  | 71.1  |
| 35°   | 54.3  | 54.3  | 54.7  | 54.7  | 54.3  |
| 37.5° | 41.9  | 41.9  | 41.9  | 41.9  | 42.3  |
| 40°   | 32.3  | 32.7  | 32.7  | 32.7  | 32.7  |
| 42.5° | 25.6  | 25.9  | 25.9  | 25.9  | 25.9  |
| 45°   | 20.8  | 20.8  | 20.8  | 20.8  | 20.8  |
| 47.5° | 16.8  | 16.8  | 16.8  | 16.8  | 17.2  |
| 50°   | 13.6  | 14.0  | 14.0  | 14.0  | 14.0  |
| 52.5° | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  |
| 55°   | 9.6   | 9.6   | 9.6   | 10.0  | 10.0  |
| 57.5° | 8.0   | 8.0   | 8.4   | 8.4   | 8.4   |
| 60°   | 6.8   | 7.2   | 7.2   | 7.2   | 7.2   |
| 62.5° | 6.0   | 6.0   | 6.4   | 6.4   | 6.4   |
| 65°   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   |
| 67.5° | 4.4   | 4.4   | 4.4   | 4.4   | 4.8   |
| 70°   | 3.6   | 3.6   | 3.6   | 4.0   | 4.0   |
| 72.5° | 3.2   | 3.2   | 3.2   | 3.2   | 3.2   |
| 75°   | 2.4   | 2.4   | 2.4   | 2.8   | 2.8   |
| 77.5° | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 80°   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 82.5° | 0.8   | 0.8   | 1.2   | 1.2   | 1.2   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1324550  
CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MMS\_5000K

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)