

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: P1324640

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MB\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324640  
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: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MB\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,  
3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

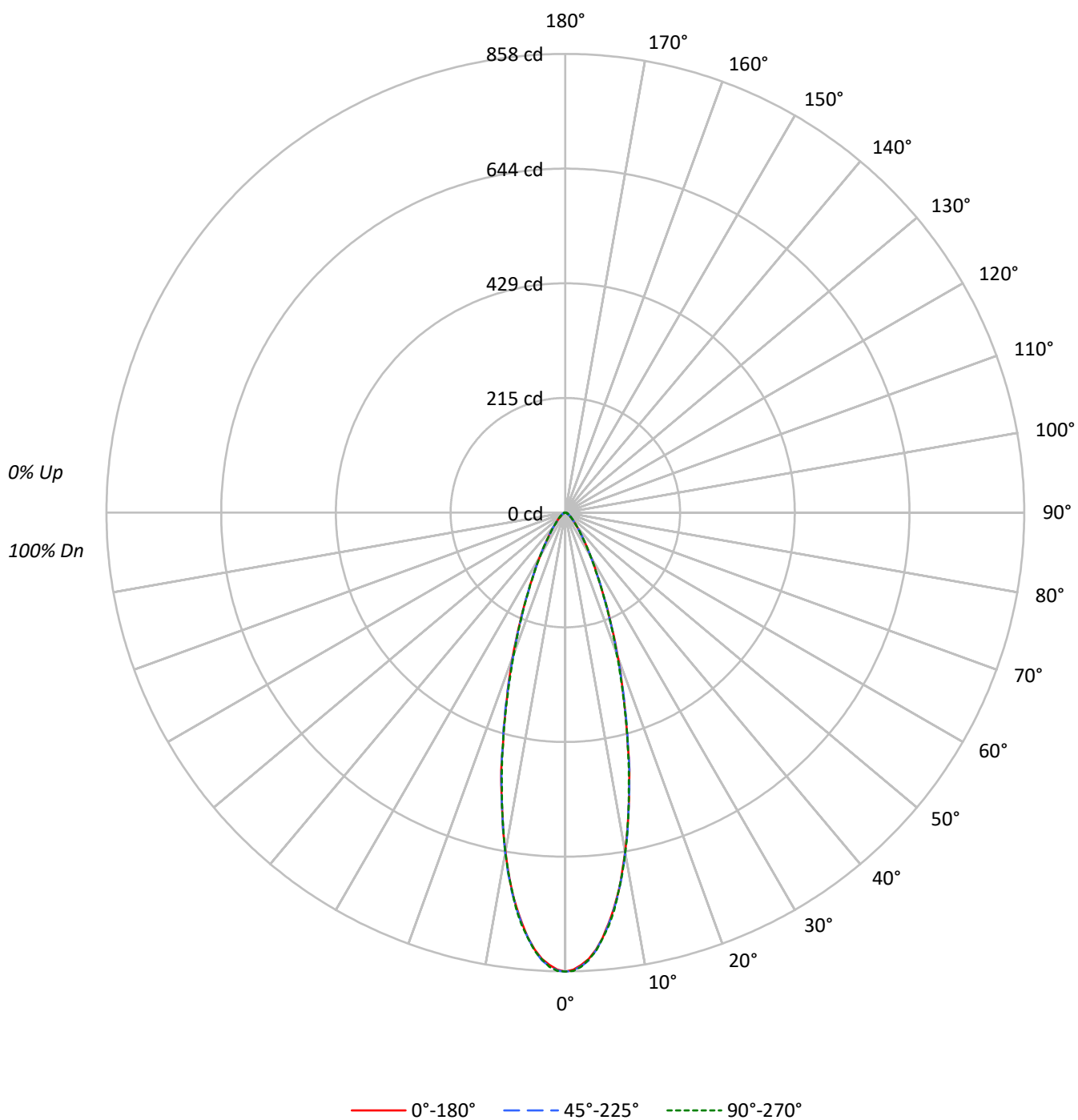
Lumens per Lamp: N/A  
Luminaire Lumens: 344.0 lumens  
Efficiency: N/A  
Efficacy: 58.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1324640

CATALOG NUMBER: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MB\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1324640

CATALOG NUMBER: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MB\_3500K

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 147853 | 147853 | 147853 |
| 5°  | 138011 | 138149 | 138218 |
| 10° | 112570 | 112920 | 112920 |
| 15° | 80395  | 80840  | 80395  |
| 20° | 52618  | 52105  | 51372  |
| 25° | 31278  | 31430  | 31278  |
| 30° | 18852  | 18852  | 18773  |
| 35° | 11479  | 11563  | 11479  |
| 40° | 7307   | 7397   | 7397   |
| 45° | 5090   | 5090   | 5090   |
| 50° | 3671   | 3778   | 3778   |
| 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: 5090 cd/sqm

TEST NUMBER: P1324640

CATALOG NUMBER: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MB\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 71.3   | 20.7      |
| 10°-20°   | 124.4  | 36.2      |
| 20°-30°   | 78.2   | 22.7      |
| 30°-40°   | 35.8   | 10.4      |
| 40°-50°   | 16.7   | 4.9       |
| 50°-60°   | 9.0    | 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°    | 273.9  | 79.6      |
| 0°-40°    | 309.6  | 90.0      |
| 0°-60°    | 335.3  | 97.5      |
| 0°-90°    | 344.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 344.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 858 | 858   | 858 | 858   | 858 |      |
| 5°  | 798 | 800   | 799 | 800   | 800 | 71   |
| 15° | 451 | 454   | 453 | 454   | 451 | 124  |
| 25° | 165 | 167   | 165 | 165   | 165 | 78   |
| 35° | 55  | 55    | 55  | 55    | 55  | 36   |
| 45° | 21  | 21    | 21  | 21    | 21  | 17   |
| 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: P1324640

CATALOG NUMBER: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MB\_3500K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 858.5 | 858.5 | 858.5 | 858.5 | 858.5 |
| 1°    | 854.9 | 855.7 | 856.5 | 857.7 | 857.3 |
| 2°    | 846.9 | 848.5 | 848.9 | 850.5 | 850.1 |
| 3°    | 836.0 | 835.6 | 838.9 | 838.9 | 836.8 |
| 4°    | 819.2 | 820.0 | 820.8 | 821.6 | 822.0 |
| 5°    | 798.3 | 799.9 | 799.1 | 799.9 | 799.5 |
| 6°    | 772.6 | 775.0 | 774.6 | 775.4 | 776.6 |
| 7°    | 745.3 | 746.9 | 746.9 | 746.1 | 749.3 |
| 8°    | 715.6 | 714.4 | 716.4 | 715.6 | 715.2 |
| 9°    | 680.2 | 682.6 | 683.0 | 681.0 | 681.8 |
| 10°   | 643.7 | 645.3 | 645.7 | 646.9 | 645.7 |
| 11°   | 607.6 | 607.6 | 608.4 | 610.4 | 607.2 |
| 12°   | 568.2 | 571.8 | 568.2 | 569.8 | 568.2 |
| 13°   | 530.9 | 531.7 | 530.9 | 530.5 | 527.6 |
| 14°   | 495.5 | 492.7 | 493.5 | 490.3 | 490.7 |
| 15°   | 450.9 | 453.8 | 453.4 | 454.2 | 450.9 |
| 17.5° | 362.6 | 364.2 | 363.8 | 363.0 | 359.0 |
| 20°   | 287.1 | 287.1 | 284.3 | 282.7 | 280.3 |
| 22.5° | 219.3 | 218.4 | 217.2 | 216.0 | 216.8 |
| 25°   | 164.6 | 166.6 | 165.4 | 165.4 | 164.6 |
| 27.5° | 124.5 | 126.9 | 124.9 | 123.7 | 124.5 |
| 30°   | 94.8  | 95.6  | 94.8  | 94.4  | 94.4  |
| 32.5° | 71.5  | 71.9  | 71.5  | 71.5  | 71.5  |
| 35°   | 54.6  | 54.6  | 55.0  | 55.0  | 54.6  |
| 37.5° | 42.2  | 42.2  | 42.2  | 42.2  | 42.6  |
| 40°   | 32.5  | 32.9  | 32.9  | 32.9  | 32.9  |
| 42.5° | 25.7  | 26.1  | 26.1  | 26.1  | 26.1  |
| 45°   | 20.9  | 20.9  | 20.9  | 20.9  | 20.9  |
| 47.5° | 16.9  | 16.9  | 16.9  | 16.9  | 17.3  |
| 50°   | 13.7  | 14.1  | 14.1  | 14.1  | 14.1  |
| 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: P1324640

CATALOG NUMBER: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MB\_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)