

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: P1325024

Luminaire Tested: LDSQA3D05R35W2N902765DE010 3LSQPHRL1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1325024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R35W2N902765DE010 3LSQPHRL1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

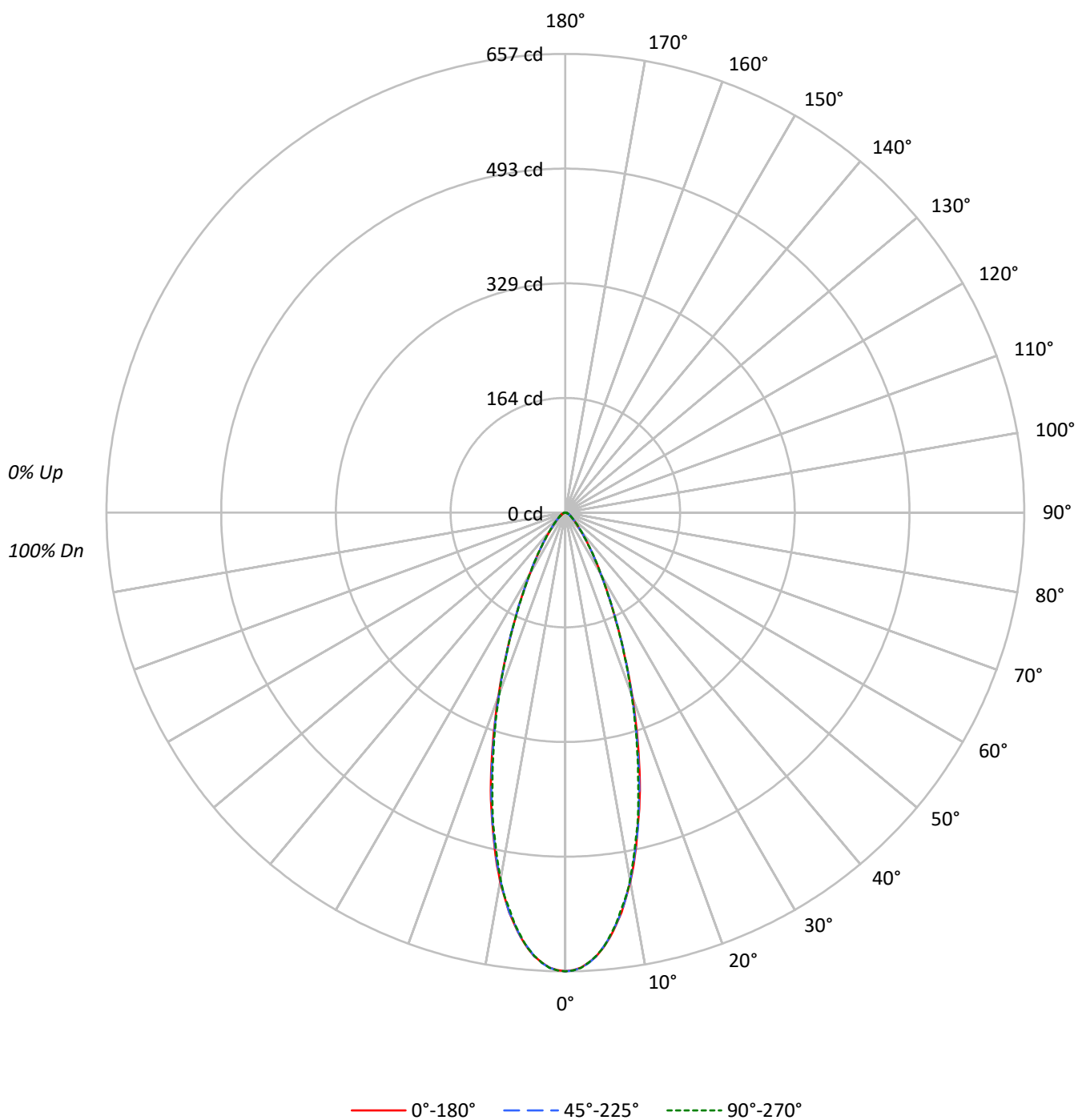
Lumens per Lamp: N/A  
Luminaire Lumens: 324.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  | 96  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  | 91  | 89  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  | 86  | 83  | 82  |
| 4   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  | 81  | 78  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  | 77  | 74  | 73  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  | 73  | 70  | 69  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  | 69  | 66  | 65  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  | 66  | 63  | 62  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  | 63  | 60  | 59  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  | 60  | 57  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 113150 | 113150 | 113150 |
| 5°  | 108119 | 107929 | 108119 |
| 10° | 93858  | 93543  | 93421  |
| 15° | 73548  | 72977  | 71818  |
| 20° | 51445  | 50987  | 50657  |
| 25° | 32685  | 32875  | 32685  |
| 30° | 20125  | 20284  | 20125  |
| 35° | 12447  | 12531  | 12531  |
| 40° | 7914   | 7981   | 7981   |
| 45° | 5334   | 5431   | 5504   |
| 50° | 3858   | 3939   | 3939   |
| 55° | 3033   | 3033   | 3033   |
| 60° | 2480   | 2480   | 2480   |
| 65° | 2201   | 2201   | 2201   |
| 70° | 1964   | 1964   | 1964   |
| 75° | 1664   | 1664   | 1664   |
| 80° | 1389   | 1389   | 1389   |
| 85° | 790    | 790    | 1383   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5504 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.8   | 17.5      |
| 10°-20°   | 111.8  | 34.5      |
| 20°-30°   | 80.6   | 24.9      |
| 30°-40°   | 38.9   | 12.0      |
| 40°-50°   | 17.9   | 5.5       |
| 50°-60°   | 9.3    | 2.9       |
| 60°-70°   | 5.4    | 1.7       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 249.2  | 76.9      |
| 0°-40°    | 288.1  | 88.9      |
| 0°-60°    | 315.3  | 97.3      |
| 0°-90°    | 324.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 324.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 657 | 657   | 657 | 657   | 657 |      |
| 5°  | 625 | 627   | 624 | 625   | 625 | 57   |
| 15° | 412 | 412   | 409 | 408   | 403 | 112  |
| 25° | 172 | 172   | 173 | 173   | 172 | 81   |
| 35° | 59  | 59    | 60  | 60    | 60  | 39   |
| 45° | 22  | 22    | 22  | 23    | 23  | 18   |
| 55° | 10  | 10    | 10  | 10    | 10  | 9    |
| 65° | 5   | 5     | 5   | 5     | 5   | 5    |
| 75° | 2   | 2     | 2   | 2     | 2   | 3    |
| 85° | 0   | 0     | 0   | 0     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 657.0 | 657.0 | 657.0 | 657.0 | 657.0 |
| 1°    | 655.2 | 656.3 | 655.9 | 656.3 | 655.9 |
| 2°    | 651.9 | 652.7 | 651.9 | 652.3 | 652.3 |
| 3°    | 645.1 | 645.8 | 645.8 | 645.5 | 645.1 |
| 4°    | 636.9 | 638.7 | 636.9 | 637.2 | 636.2 |
| 5°    | 625.4 | 626.8 | 624.3 | 624.7 | 625.4 |
| 6°    | 611.4 | 611.7 | 611.0 | 610.7 | 609.9 |
| 7°    | 595.2 | 596.7 | 594.1 | 594.5 | 593.8 |
| 8°    | 578.0 | 577.6 | 577.6 | 576.2 | 574.0 |
| 9°    | 557.2 | 558.6 | 556.5 | 555.7 | 556.1 |
| 10°   | 536.7 | 536.7 | 534.9 | 533.1 | 534.2 |
| 11°   | 513.4 | 512.7 | 511.6 | 509.1 | 508.3 |
| 12°   | 487.9 | 489.3 | 486.1 | 485.0 | 482.5 |
| 13°   | 461.7 | 463.8 | 462.4 | 458.4 | 458.8 |
| 14°   | 437.3 | 435.8 | 434.8 | 434.0 | 431.5 |
| 15°   | 412.5 | 411.8 | 409.3 | 407.5 | 402.8 |
| 17.5° | 344.6 | 345.4 | 340.7 | 340.0 | 338.2 |
| 20°   | 280.7 | 278.6 | 278.2 | 278.6 | 276.4 |
| 22.5° | 221.5 | 223.7 | 221.1 | 221.5 | 220.1 |
| 25°   | 172.0 | 172.3 | 173.0 | 173.0 | 172.0 |
| 27.5° | 133.5 | 133.5 | 132.8 | 133.5 | 132.5 |
| 30°   | 101.2 | 101.2 | 102.0 | 102.7 | 101.2 |
| 32.5° | 78.3  | 78.3  | 78.3  | 78.6  | 79.0  |
| 35°   | 59.2  | 59.2  | 59.6  | 59.6  | 59.6  |
| 37.5° | 45.6  | 46.0  | 46.3  | 46.3  | 46.3  |
| 40°   | 35.2  | 35.5  | 35.5  | 35.9  | 35.5  |
| 42.5° | 28.0  | 28.0  | 28.0  | 28.4  | 28.4  |
| 45°   | 21.9  | 22.3  | 22.3  | 22.6  | 22.6  |
| 47.5° | 18.0  | 18.0  | 18.0  | 18.3  | 18.3  |
| 50°   | 14.4  | 14.7  | 14.7  | 14.7  | 14.7  |
| 52.5° | 11.8  | 11.8  | 12.2  | 12.2  | 12.2  |
| 55°   | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  |
| 57.5° | 8.3   | 8.6   | 8.6   | 8.6   | 8.6   |
| 60°   | 7.2   | 7.2   | 7.2   | 7.2   | 7.2   |
| 62.5° | 6.1   | 6.1   | 6.1   | 6.1   | 6.1   |
| 65°   | 5.4   | 5.4   | 5.4   | 5.4   | 5.4   |
| 67.5° | 4.3   | 4.7   | 4.7   | 4.7   | 4.7   |
| 70°   | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 72.5° | 2.9   | 3.2   | 3.2   | 3.2   | 3.2   |
| 75°   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| 77.5° | 2.2   | 1.8   | 1.8   | 1.8   | 2.2   |
| 80°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 82.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.7   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.4   | 0.4   |



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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)