

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: P1324302

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQPHRL1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902765DE010 3LSQPHRL1MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

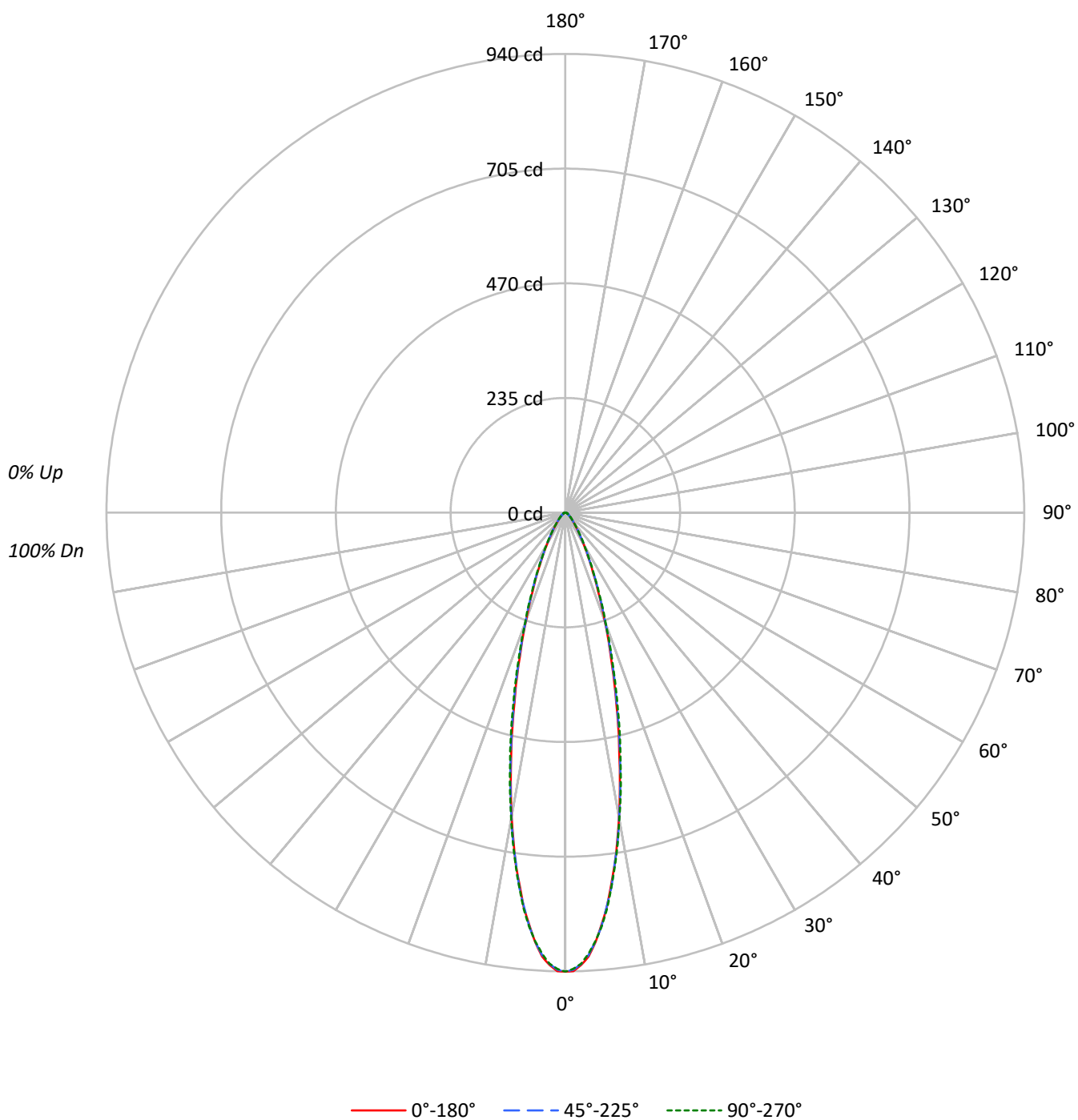
Lumens per Lamp: N/A  
Luminaire Lumens: 311.0 lumens  
Efficiency: N/A  
Efficacy: 52.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  |  | 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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |  |  |    |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  | 97  | 94  | 92  | 94  | 92  | 90  | 89  |  |  |    |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 87  | 85  | 84  |  |  |    |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 80  |  |  |    |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 78  | 83  | 79  | 77  | 76  |  |  |    |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |  |  |    |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 70  | 69  |  |  |    |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 74  | 70  | 67  | 66  |  |  |    |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 64  |  |  |    |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 62  | 69  | 65  | 62  | 61  |  |  |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 161958 | 161958 | 161958 |
| 5°  | 146706 | 146983 | 147190 |
| 10° | 110769 | 111031 | 111591 |
| 15° | 71836  | 72621  | 74047  |
| 20° | 43253  | 43766  | 44353  |
| 25° | 25274  | 25806  | 26186  |
| 30° | 14855  | 15333  | 15571  |
| 35° | 9146   | 9482   | 9650   |
| 40° | 6025   | 6205   | 6295   |
| 45° | 4189   | 4287   | 4384   |
| 50° | 3108   | 3215   | 3322   |
| 55° | 2522   | 2642   | 2642   |
| 60° | 2204   | 2204   | 2204   |
| 65° | 1956   | 1956   | 1956   |
| 70° | 1611   | 1813   | 1813   |
| 75° | 1597   | 1597   | 1597   |
| 80° | 1190   | 1587   | 1587   |
| 85° | 790    | 790    | 790    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $67.5^\circ$

Vertical Angle:  $45^\circ$

Luminance: 4384 cd/sgm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.1   | 23.8      |
| 10°-20°   | 113.3  | 36.4      |
| 20°-30°   | 64.4   | 20.7      |
| 30°-40°   | 29.4   | 9.4       |
| 40°-50°   | 14.1   | 4.5       |
| 50°-60°   | 7.9    | 2.5       |
| 60°-70°   | 4.8    | 1.6       |
| 70°-80°   | 2.6    | 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°    | 251.7  | 80.9      |
| 0°-40°    | 281.1  | 90.4      |
| 0°-60°    | 303.1  | 97.4      |
| 0°-90°    | 311.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 311.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 940 | 940   | 940 | 940   | 940 |      |
| 5°  | 849 | 848   | 850 | 850   | 851 | 74   |
| 15° | 403 | 405   | 407 | 413   | 415 | 112  |
| 25° | 133 | 133   | 136 | 137   | 138 | 63   |
| 35° | 44  | 44    | 45  | 46    | 46  | 29   |
| 45° | 17  | 17    | 18  | 18    | 18  | 14   |
| 55° | 8   | 8     | 9   | 9     | 9   | 8    |
| 65° | 5   | 5     | 5   | 5     | 5   | 5    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 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°    | 940.4 | 940.4 | 940.4 | 940.4 | 940.4 |
| 1°    | 939.6 | 937.2 | 936.5 | 936.1 | 935.3 |
| 2°    | 927.7 | 925.7 | 925.3 | 925.3 | 924.9 |
| 3°    | 910.9 | 907.3 | 907.7 | 906.5 | 905.3 |
| 4°    | 882.5 | 880.9 | 881.7 | 882.5 | 880.9 |
| 5°    | 848.6 | 848.2 | 850.2 | 850.2 | 851.4 |
| 6°    | 813.5 | 813.1 | 811.9 | 815.1 | 816.6 |
| 7°    | 768.7 | 771.1 | 774.3 | 772.7 | 773.9 |
| 8°    | 728.0 | 725.2 | 726.4 | 730.4 | 730.8 |
| 9°    | 680.1 | 678.1 | 683.3 | 684.9 | 685.3 |
| 10°   | 633.4 | 635.3 | 634.9 | 640.5 | 638.1 |
| 12.5° | 511.6 | 514.7 | 518.3 | 520.7 | 523.1 |
| 15°   | 402.9 | 404.9 | 407.3 | 412.9 | 415.3 |
| 17.5° | 309.9 | 312.3 | 314.7 | 319.5 | 320.3 |
| 20°   | 236.0 | 237.2 | 238.8 | 243.2 | 242.0 |
| 22.5° | 176.5 | 178.5 | 180.1 | 182.1 | 183.3 |
| 25°   | 133.0 | 133.0 | 135.8 | 137.0 | 137.8 |
| 27.5° | 99.0  | 99.8  | 101.8 | 103.4 | 103.0 |
| 30°   | 74.7  | 75.9  | 77.1  | 77.9  | 78.3  |
| 32.5° | 57.5  | 57.5  | 58.7  | 59.9  | 60.3  |
| 35°   | 43.5  | 44.3  | 45.1  | 45.9  | 45.9  |
| 37.5° | 33.9  | 34.3  | 35.1  | 35.5  | 35.5  |
| 40°   | 26.8  | 26.8  | 27.6  | 28.0  | 28.0  |
| 42.5° | 21.2  | 21.6  | 22.0  | 22.4  | 22.4  |
| 45°   | 17.2  | 17.2  | 17.6  | 18.0  | 18.0  |
| 47.5° | 14.0  | 14.0  | 14.4  | 14.8  | 14.8  |
| 50°   | 11.6  | 12.0  | 12.0  | 12.4  | 12.4  |
| 52.5° | 10.0  | 10.0  | 10.0  | 10.4  | 10.4  |
| 55°   | 8.4   | 8.4   | 8.8   | 8.8   | 8.8   |
| 57.5° | 7.2   | 7.2   | 7.2   | 7.6   | 7.6   |
| 60°   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   |
| 62.5° | 5.6   | 5.6   | 5.6   | 5.6   | 5.6   |
| 65°   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   |
| 67.5° | 4.0   | 4.0   | 4.0   | 4.4   | 4.4   |
| 70°   | 3.2   | 3.6   | 3.6   | 3.6   | 3.6   |
| 72.5° | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |
| 75°   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   |
| 77.5° | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 80°   | 1.2   | 1.6   | 1.6   | 1.6   | 1.6   |
| 82.5° | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)