

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: P1324206

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324206  
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: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

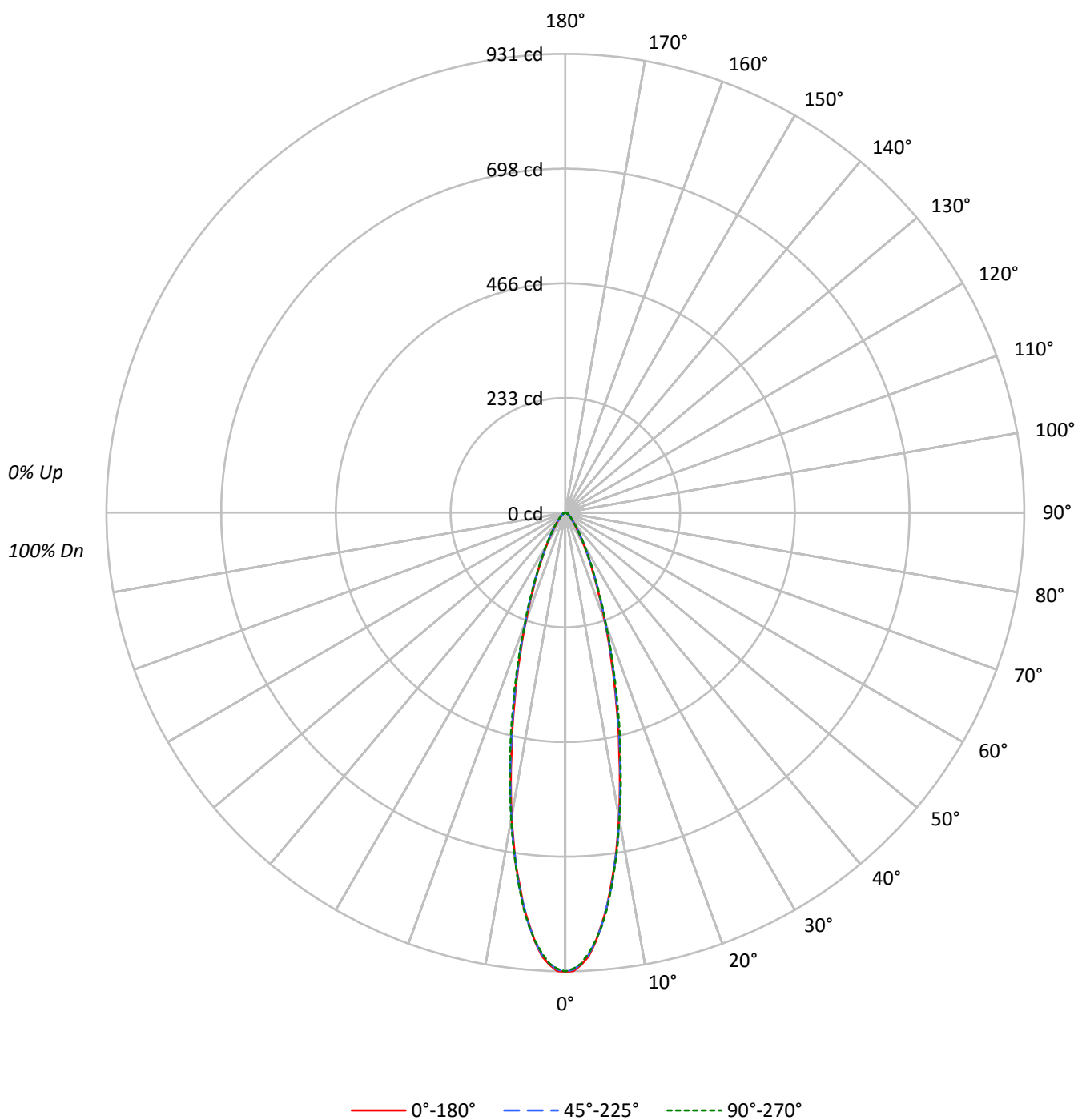
Lumens per Lamp: N/A  
Luminaire Lumens: 308.0 lumens  
Efficiency: N/A  
Efficacy: 52.2 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 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 | 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°  | 160408 | 160408 | 160408 |
| 5°  | 145289 | 145565 | 145773 |
| 10° | 109684 | 109964 | 110524 |
| 15° | 71141  | 71925  | 73334  |
| 20° | 42831  | 43345  | 43931  |
| 25° | 25027  | 25559  | 25920  |
| 30° | 14716  | 15173  | 15412  |
| 35° | 9062   | 9398   | 9566   |
| 40° | 5958   | 6138   | 6228   |
| 45° | 4141   | 4238   | 4335   |
| 50° | 3081   | 3188   | 3296   |
| 55° | 2492   | 2612   | 2612   |
| 60° | 2170   | 2170   | 2170   |
| 65° | 1915   | 1915   | 1915   |
| 70° | 1611   | 1813   | 1813   |
| 75° | 1597   | 1597   | 1597   |
| 80° | 1190   | 1587   | 1587   |
| 85° | 790    | 790    | 790    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4335 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.4   | 23.8      |
| 10°-20°   | 112.2  | 36.4      |
| 20°-30°   | 63.8   | 20.7      |
| 30°-40°   | 29.1   | 9.4       |
| 40°-50°   | 14.0   | 4.5       |
| 50°-60°   | 7.8    | 2.5       |
| 60°-70°   | 4.8    | 1.5       |
| 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       |
| 0°-30°    | 249.3  | 80.9      |
| 0°-40°    | 278.4  | 90.4      |
| 0°-60°    | 300.1  | 97.4      |
| 0°-90°    | 308.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 308.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 931 | 931   | 931 | 931   | 931 |      |
| 5°  | 840 | 840   | 842 | 842   | 843 | 73   |
| 15° | 399 | 401   | 403 | 409   | 411 | 111  |
| 25° | 132 | 132   | 134 | 136   | 136 | 62   |
| 35° | 43  | 44    | 45  | 46    | 46  | 28   |
| 45° | 17  | 17    | 17  | 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°    | 931.4 | 931.4 | 931.4 | 931.4 | 931.4 |
| 1°    | 930.6 | 928.2 | 927.4 | 927.0 | 926.2 |
| 2°    | 918.7 | 916.7 | 916.3 | 916.3 | 915.9 |
| 3°    | 902.1 | 898.5 | 898.9 | 897.8 | 896.6 |
| 4°    | 874.0 | 872.4 | 873.2 | 874.0 | 872.4 |
| 5°    | 840.4 | 840.0 | 842.0 | 842.0 | 843.2 |
| 6°    | 805.6 | 805.2 | 804.0 | 807.2 | 808.8 |
| 7°    | 761.3 | 763.7 | 766.8 | 765.3 | 766.5 |
| 8°    | 721.0 | 718.2 | 719.4 | 723.3 | 723.7 |
| 9°    | 673.5 | 671.5 | 676.7 | 678.3 | 678.7 |
| 10°   | 627.2 | 629.2 | 628.8 | 634.4 | 632.0 |
| 12.5° | 506.6 | 509.8 | 513.3 | 515.7 | 518.1 |
| 15°   | 399.0 | 401.0 | 403.4 | 408.9 | 411.3 |
| 17.5° | 306.9 | 309.3 | 311.6 | 316.4 | 317.2 |
| 20°   | 233.7 | 234.9 | 236.5 | 240.9 | 239.7 |
| 22.5° | 174.8 | 176.8 | 178.4 | 180.3 | 181.5 |
| 25°   | 131.7 | 131.7 | 134.5 | 135.7 | 136.4 |
| 27.5° | 98.1  | 98.9  | 100.8 | 102.4 | 102.0 |
| 30°   | 74.0  | 75.1  | 76.3  | 77.1  | 77.5  |
| 32.5° | 57.0  | 57.0  | 58.1  | 59.3  | 59.7  |
| 35°   | 43.1  | 43.9  | 44.7  | 45.5  | 45.5  |
| 37.5° | 33.6  | 34.0  | 34.8  | 35.2  | 35.2  |
| 40°   | 26.5  | 26.5  | 27.3  | 27.7  | 27.7  |
| 42.5° | 21.0  | 21.4  | 21.8  | 22.1  | 22.1  |
| 45°   | 17.0  | 17.0  | 17.4  | 17.8  | 17.8  |
| 47.5° | 13.8  | 13.8  | 14.2  | 14.6  | 14.6  |
| 50°   | 11.5  | 11.9  | 11.9  | 12.3  | 12.3  |
| 52.5° | 9.9   | 9.9   | 9.9   | 10.3  | 10.3  |
| 55°   | 8.3   | 8.3   | 8.7   | 8.7   | 8.7   |
| 57.5° | 7.1   | 7.1   | 7.1   | 7.5   | 7.5   |
| 60°   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   |
| 62.5° | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   |
| 65°   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| 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)