

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: P1327744

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQPHR1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1327744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R25W2N902750DE010 3LSQPHR1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

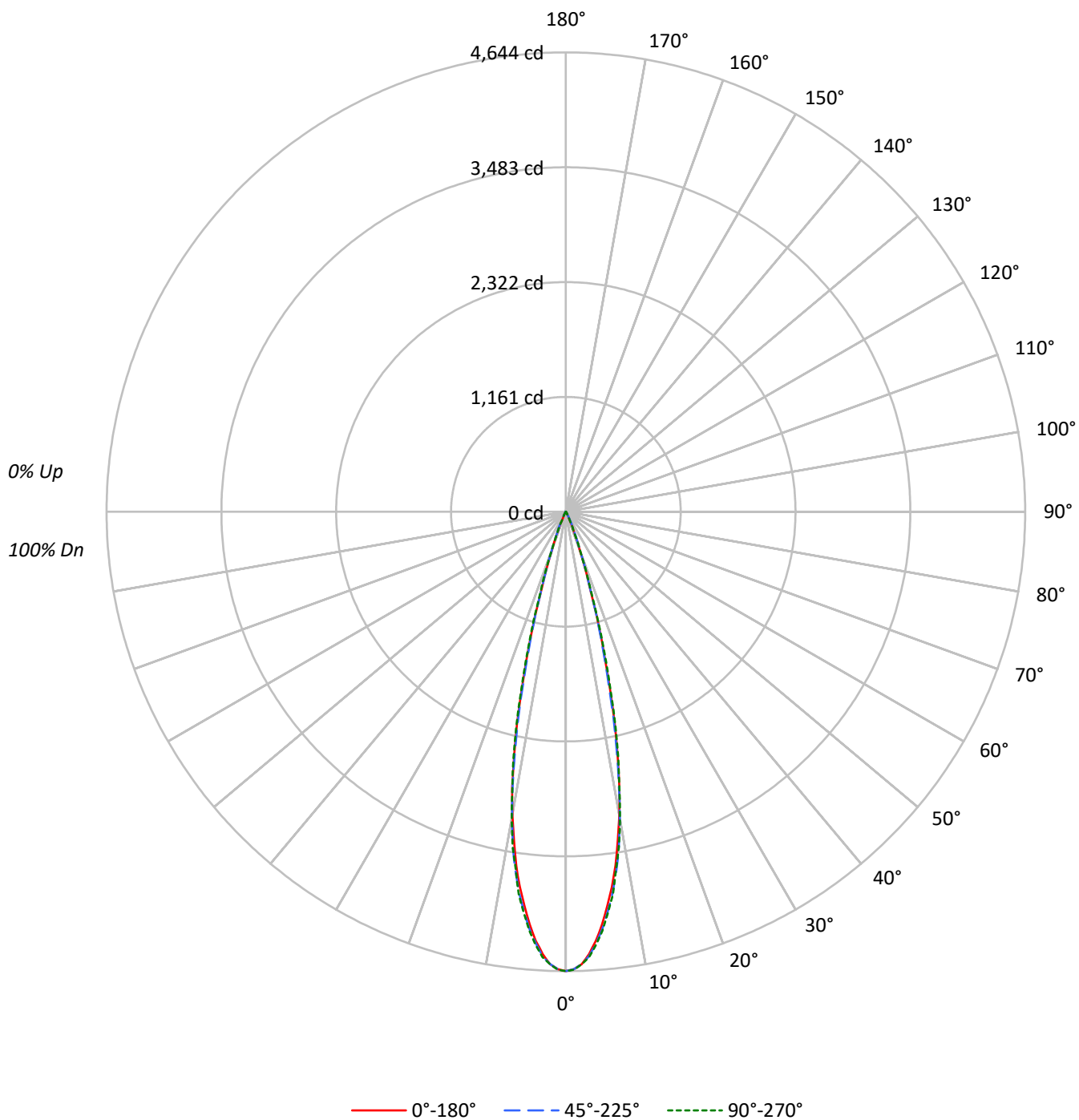
Lumens per Lamp: N/A  
Luminaire Lumens: 857.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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  |
| 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 | 100 | 100 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  | 97  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  | 93  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  | 91  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 83  | 83  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 799750 | 799750 | 799750 |
| 5°  | 724732 | 731336 | 734898 |
| 10° | 544819 | 548702 | 551238 |
| 15° | 269765 | 261724 | 279161 |
| 20° | 76188  | 77452  | 78295  |
| 25° | 13207  | 24970  | 15677  |
| 30° | 5171   | 5310   | 5469   |
| 35° | 1598   | 1766   | 1766   |
| 40° | 517    | 697    | 517    |
| 45° | 365    | 195    | 365    |
| 50° | 214    | 0      | 214    |
| 55° | 240    | 0      | 240    |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 368.9  | 43.0      |
| 10°-20°   | 416.0  | 48.5      |
| 20°-30°   | 64.5   | 7.5       |
| 30°-40°   | 6.5    | 0.8       |
| 40°-50°   | 0.9    | 0.1       |
| 50°-60°   | 0.2    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 849.4  | 99.1      |
| 0°-40°    | 856.0  | 99.9      |
| 0°-60°    | 857.0  | 100.0     |
| 0°-90°    | 857.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 857.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4644 | 4644  | 4644 | 4644  | 4644 |      |
| 5°  | 4192 | 4200  | 4230 | 4247  | 4251 | 365  |
| 15° | 1513 | 1502  | 1468 | 1534  | 1566 | 414  |
| 25° | 70   | 103   | 131  | 100   | 82   | 58   |
| 35° | 8    | 8     | 8    | 9     | 8    | 6    |
| 45° | 2    | 1     | 1    | 1     | 2    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4643.7 | 4643.7 | 4643.7 | 4643.7 | 4643.7 |
| 1°    | 4624.6 | 4630.7 | 4623.8 | 4631.4 | 4630.7 |
| 2°    | 4576.4 | 4582.5 | 4574.1 | 4578.7 | 4578.7 |
| 3°    | 4477.9 | 4490.8 | 4498.5 | 4503.8 | 4508.4 |
| 4°    | 4348.0 | 4362.5 | 4373.9 | 4387.7 | 4387.7 |
| 5°    | 4192.1 | 4199.7 | 4230.3 | 4247.1 | 4250.9 |
| 6°    | 4006.4 | 4036.9 | 4059.9 | 4093.5 | 4072.9 |
| 7°    | 3820.7 | 3845.9 | 3878.0 | 3883.4 | 3897.9 |
| 8°    | 3609.8 | 3636.5 | 3666.3 | 3661.0 | 3648.8 |
| 9°    | 3353.0 | 3392.0 | 3427.2 | 3415.7 | 3431.0 |
| 10°   | 3115.4 | 3139.1 | 3137.6 | 3126.1 | 3152.1 |
| 11°   | 2839.5 | 2844.9 | 2815.1 | 2861.7 | 2833.4 |
| 12°   | 2512.5 | 2517.1 | 2478.9 | 2524.7 | 2553.8 |
| 13°   | 2199.2 | 2188.5 | 2135.8 | 2196.1 | 2232.8 |
| 14°   | 1838.5 | 1842.3 | 1775.1 | 1892.0 | 1882.8 |
| 15°   | 1513.0 | 1502.3 | 1467.9 | 1533.6 | 1565.7 |
| 17.5° | 806.2  | 813.0  | 804.6  | 837.5  | 858.1  |
| 20°   | 415.7  | 427.2  | 422.6  | 436.3  | 427.2  |
| 22.5° | 215.5  | 231.5  | 236.1  | 225.4  | 196.4  |
| 25°   | 69.5   | 103.2  | 131.4  | 100.1  | 82.5   |
| 27.5° | 42.0   | 41.3   | 64.2   | 44.3   | 45.1   |
| 30°   | 26.0   | 25.2   | 26.7   | 26.7   | 27.5   |
| 32.5° | 14.5   | 15.3   | 14.5   | 16.0   | 15.3   |
| 35°   | 7.6    | 8.4    | 8.4    | 9.2    | 8.4    |
| 37.5° | 4.6    | 5.3    | 5.3    | 5.3    | 4.6    |
| 40°   | 2.3    | 3.1    | 3.1    | 2.3    | 2.3    |
| 42.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 45°   | 1.5    | 0.8    | 0.8    | 0.8    | 1.5    |
| 47.5° | 0.8    | 0.8    | 0.0    | 0.8    | 0.8    |
| 50°   | 0.8    | 0.8    | 0.0    | 0.8    | 0.8    |
| 52.5° | 0.8    | 0.0    | 0.0    | 0.0    | 0.8    |
| 55°   | 0.8    | 0.0    | 0.0    | 0.0    | 0.8    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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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)