

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: P1327750

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQPHR1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1327750  
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 3LSQPHR1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

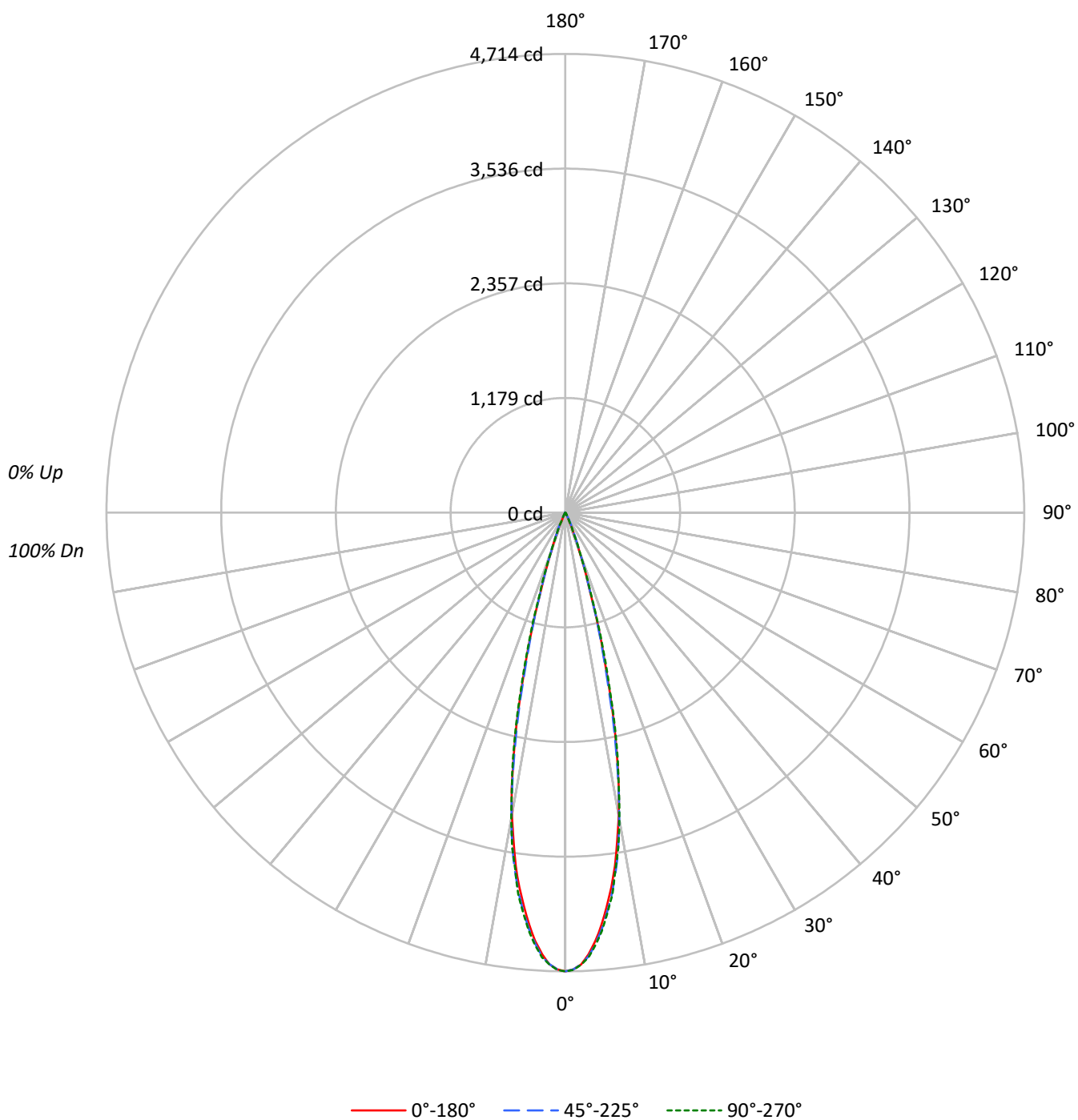
Lumens per Lamp: N/A  
Luminaire Lumens: 870.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 811875 | 811875 | 811875 |
| 5°  | 735728 | 742418 | 746049 |
| 10° | 553091 | 557009 | 559597 |
| 15° | 273848 | 265700 | 283405 |
| 20° | 77342  | 78625  | 79468  |
| 25° | 13416  | 25350  | 15924  |
| 30° | 5250   | 5409   | 5548   |
| 35° | 1640   | 1787   | 1787   |
| 40° | 517    | 697    | 517    |
| 45° | 390    | 195    | 390    |
| 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: 390 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 374.5  | 43.0      |
| 10°-20°   | 422.3  | 48.5      |
| 20°-30°   | 65.5   | 7.5       |
| 30°-40°   | 6.6    | 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°    | 862.3  | 99.1      |
| 0°-40°    | 868.9  | 99.9      |
| 0°-60°    | 870.0  | 100.0     |
| 0°-90°    | 870.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 870.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4714 | 4714  | 4714 | 4714  | 4714 |      |
| 5°  | 4256 | 4263  | 4294 | 4312  | 4315 | 371  |
| 15° | 1536 | 1525  | 1490 | 1557  | 1590 | 421  |
| 25° | 71   | 105   | 133  | 102   | 84   | 59   |
| 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°    | 4714.1 | 4714.1 | 4714.1 | 4714.1 | 4714.1 |
| 1°    | 4694.7 | 4700.9 | 4693.9 | 4701.7 | 4700.9 |
| 2°    | 4645.8 | 4652.1 | 4643.5 | 4648.2 | 4648.2 |
| 3°    | 4545.8 | 4559.0 | 4566.7 | 4572.2 | 4576.8 |
| 4°    | 4413.9 | 4428.6 | 4440.3 | 4454.2 | 4454.2 |
| 5°    | 4255.7 | 4263.4 | 4294.4 | 4311.5 | 4315.4 |
| 6°    | 4067.2 | 4098.2 | 4121.5 | 4155.6 | 4134.6 |
| 7°    | 3878.7 | 3904.3 | 3936.8 | 3942.3 | 3957.0 |
| 8°    | 3664.5 | 3691.7 | 3722.0 | 3716.5 | 3704.1 |
| 9°    | 3403.9 | 3443.5 | 3479.2 | 3467.5 | 3483.0 |
| 10°   | 3162.7 | 3186.7 | 3185.1 | 3173.5 | 3199.9 |
| 11°   | 2882.6 | 2888.0 | 2857.8 | 2905.1 | 2876.4 |
| 12°   | 2550.6 | 2555.3 | 2516.5 | 2563.0 | 2592.5 |
| 13°   | 2232.6 | 2221.7 | 2168.2 | 2229.4 | 2266.7 |
| 14°   | 1866.4 | 1870.3 | 1802.0 | 1920.7 | 1911.4 |
| 15°   | 1535.9 | 1525.1 | 1490.2 | 1556.9 | 1589.5 |
| 17.5° | 818.4  | 825.4  | 816.8  | 850.2  | 871.1  |
| 20°   | 422.0  | 433.6  | 429.0  | 442.9  | 433.6  |
| 22.5° | 218.8  | 235.0  | 239.7  | 228.8  | 199.4  |
| 25°   | 70.6   | 104.7  | 133.4  | 101.6  | 83.8   |
| 27.5° | 42.7   | 41.9   | 65.2   | 45.0   | 45.8   |
| 30°   | 26.4   | 25.6   | 27.2   | 27.2   | 27.9   |
| 32.5° | 14.7   | 15.5   | 14.7   | 16.3   | 15.5   |
| 35°   | 7.8    | 8.5    | 8.5    | 9.3    | 8.5    |
| 37.5° | 4.7    | 5.4    | 5.4    | 5.4    | 4.7    |
| 40°   | 2.3    | 3.1    | 3.1    | 2.3    | 2.3    |
| 42.5° | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 45°   | 1.6    | 0.8    | 0.8    | 0.8    | 1.6    |
| 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)