

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: P1307979

Luminaire Tested: LDSQA3D09R359027DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359027DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

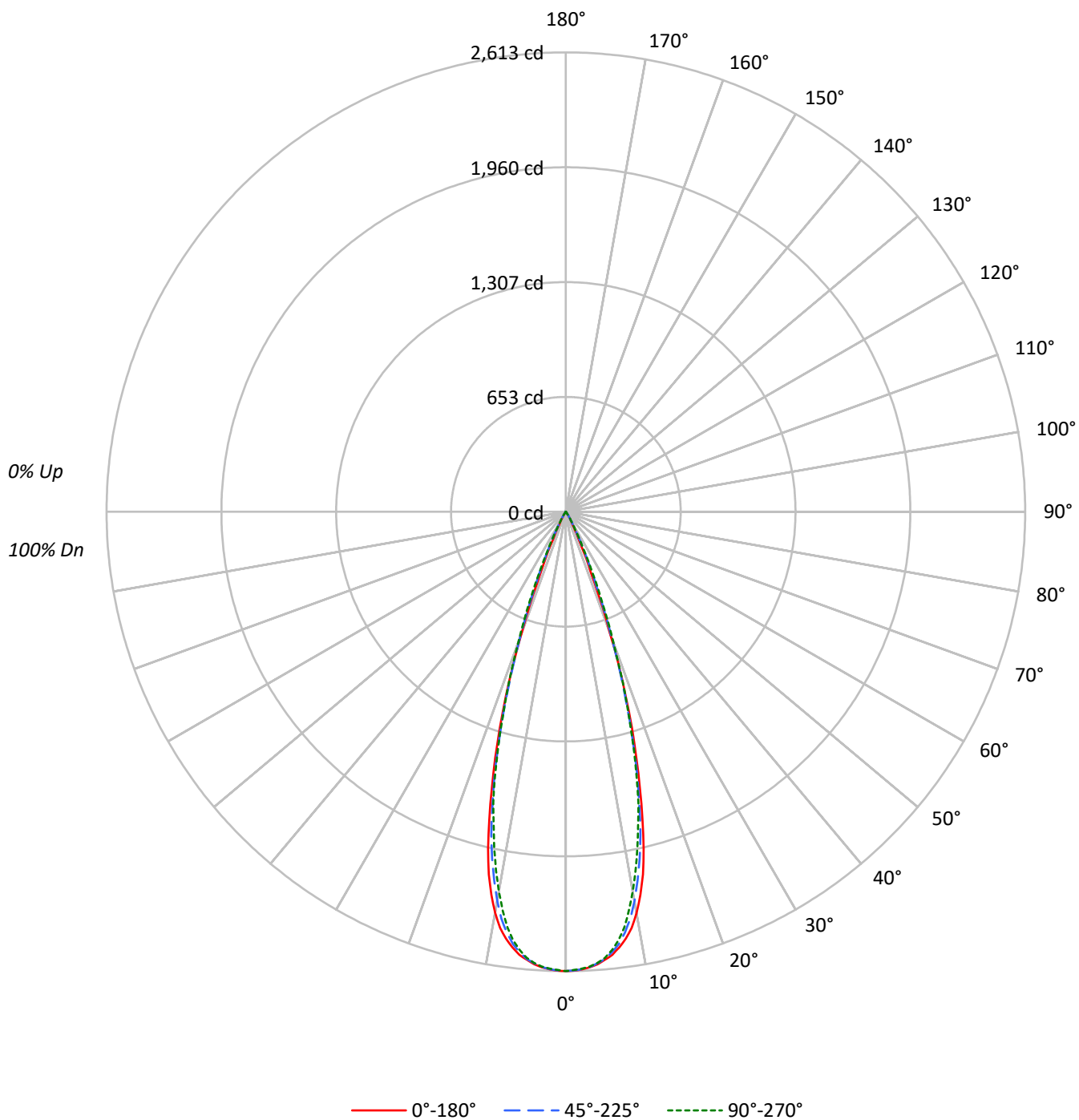
Lumens per Lamp: N/A  
Luminaire Lumens: 793.0 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 449966 | 449966 | 449966 |
| 5°  | 442228 | 441295 | 440344 |
| 10° | 405301 | 393112 | 383563 |
| 15° | 290216 | 280962 | 277556 |
| 20° | 134579 | 139198 | 144091 |
| 25° | 31924  | 45435  | 47374  |
| 30° | 9367   | 10739  | 12091  |
| 35° | 2144   | 3448   | 3154   |
| 40° | 450    | 922    | 607    |
| 45° | 170    | 170    | 170    |
| 50° | 188    | 0      | 188    |
| 55° | 0      | 0      | 0      |
| 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: 52.5°

Luminance: 198 cd/sqm

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CATALOG NUMBER: LDSQA3D09R359027DE010 3LSQPHR1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 234.6  | 29.6      |
| 10°-20°   | 419.3  | 52.9      |
| 20°-30°   | 126.2  | 15.9      |
| 30°-40°   | 12.1   | 1.5       |
| 40°-50°   | 0.8    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 780.1  | 98.4      |
| 0°-40°    | 792.1  | 99.9      |
| 0°-60°    | 793.0  | 100.0     |
| 0°-90°    | 793.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 793.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2613 | 2613  | 2613 | 2613  | 2613 |      |
| 5°  | 2558 | 2557  | 2553 | 2549  | 2547 | 237  |
| 15° | 1628 | 1615  | 1576 | 1569  | 1557 | 430  |
| 25° | 168  | 185   | 239  | 249   | 249  | 108  |
| 35° | 10   | 14    | 16   | 18    | 15   | 9    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 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    |

TEST NUMBER: P1307979

CATALOG NUMBER: LDSQA3D09R359027DE010 3LSQPHR1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2612.7 | 2612.7 | 2612.7 | 2612.7 | 2612.7 |
| 1°    | 2611.3 | 2611.3 | 2609.9 | 2609.9 | 2607.2 |
| 2°    | 2605.1 | 2605.8 | 2603.1 | 2602.4 | 2600.4 |
| 3°    | 2595.6 | 2593.5 | 2593.5 | 2592.2 | 2590.8 |
| 4°    | 2580.6 | 2576.5 | 2575.1 | 2575.8 | 2573.0 |
| 5°    | 2558.0 | 2557.3 | 2552.6 | 2549.1 | 2547.1 |
| 6°    | 2533.4 | 2528.6 | 2518.4 | 2509.5 | 2507.5 |
| 7°    | 2496.5 | 2486.3 | 2477.4 | 2459.0 | 2456.2 |
| 8°    | 2451.5 | 2435.1 | 2415.9 | 2390.0 | 2388.6 |
| 9°    | 2396.1 | 2369.5 | 2342.9 | 2308.0 | 2295.7 |
| 10°   | 2317.6 | 2293.0 | 2247.9 | 2217.2 | 2193.3 |
| 11°   | 2219.9 | 2189.2 | 2136.6 | 2099.7 | 2079.9 |
| 12°   | 2109.3 | 2080.6 | 2019.1 | 1985.6 | 1957.6 |
| 13°   | 1967.2 | 1943.3 | 1885.9 | 1849.0 | 1827.2 |
| 14°   | 1802.6 | 1784.8 | 1730.2 | 1713.8 | 1706.3 |
| 15°   | 1627.7 | 1615.4 | 1575.8 | 1569.0 | 1556.7 |
| 17.5° | 1198.1 | 1177.6 | 1155.0 | 1159.1 | 1163.2 |
| 20°   | 734.3  | 763.0  | 759.5  | 774.6  | 786.2  |
| 22.5° | 366.1  | 403.0  | 446.0  | 472.0  | 485.0  |
| 25°   | 168.0  | 185.1  | 239.1  | 249.3  | 249.3  |
| 27.5° | 84.7   | 88.8   | 112.7  | 114.8  | 120.2  |
| 30°   | 47.1   | 50.5   | 54.0   | 60.1   | 60.8   |
| 32.5° | 23.9   | 28.0   | 29.4   | 32.8   | 31.4   |
| 35°   | 10.2   | 13.7   | 16.4   | 17.8   | 15.0   |
| 37.5° | 4.8    | 6.1    | 8.9    | 8.2    | 6.1    |
| 40°   | 2.0    | 2.7    | 4.1    | 3.4    | 2.7    |
| 42.5° | 1.4    | 1.4    | 2.0    | 1.4    | 1.4    |
| 45°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 47.5° | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 50°   | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 52.5° | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)