

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: P1307528

Luminaire Tested: LDSQA3D20R609024D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609024D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

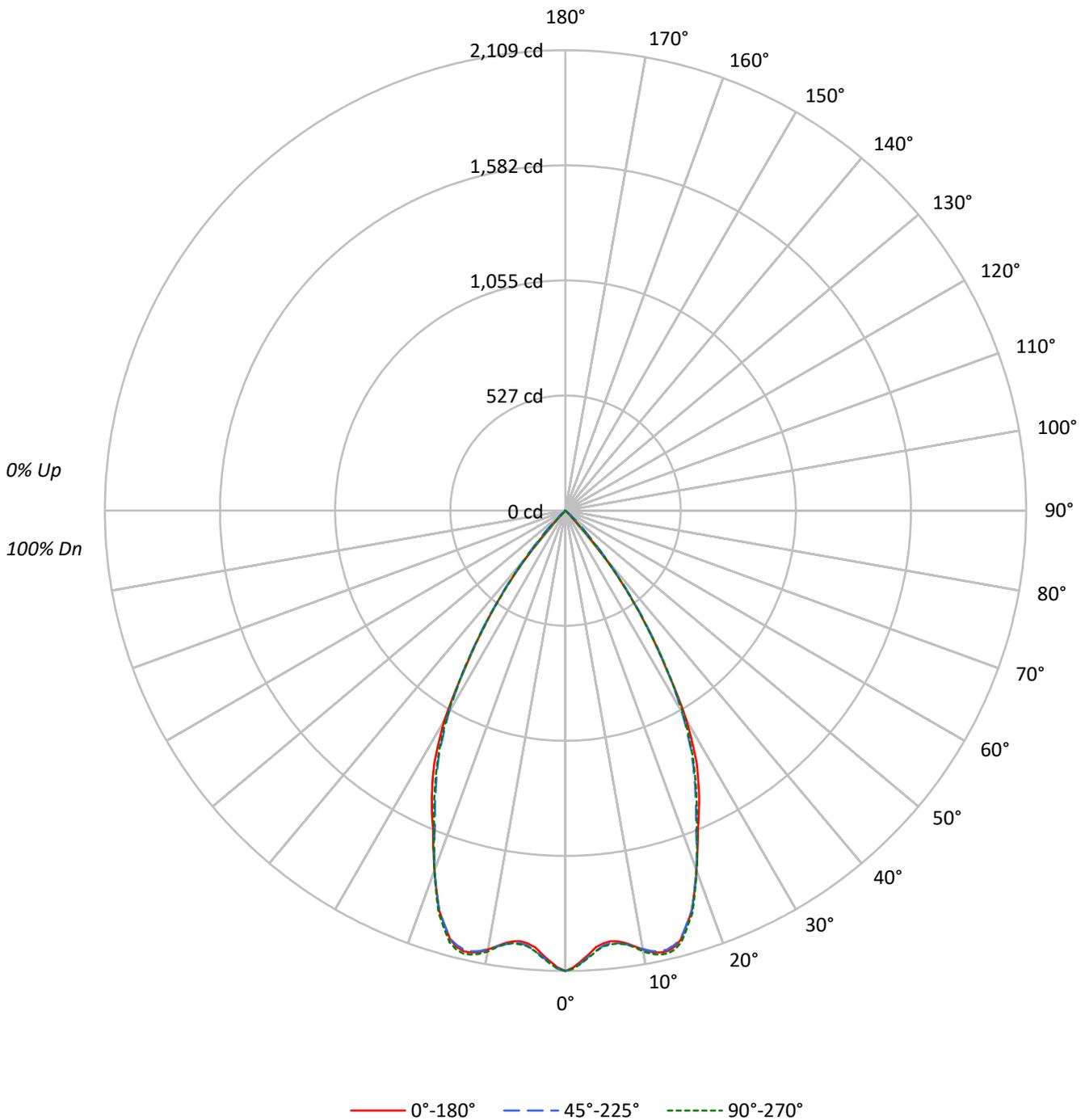
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1869.0 lumens  
Efficiency: N/A  
Efficacy: 64.9 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  | 96  | 93  | 91  | 93  | 91  | 89  | 88  | 88  | 88  | 88  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  | 91  | 88  | 85  | 88  | 86  | 84  | 82  | 82  | 82  | 82  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  | 77  | 77  | 77  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  | 81  | 77  | 74  | 79  | 76  | 73  | 72  | 72  | 72  | 72  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  | 77  | 72  | 69  | 75  | 72  | 69  | 67  | 67  | 67  | 67  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  | 72  | 68  | 65  | 71  | 67  | 64  | 63  | 63  | 63  | 63  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 59  | 59  | 59  | 59  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 64  | 60  | 57  | 56  | 56  | 56  | 56  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 54  | 53  | 53  | 53  | 53  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 363218 | 363218 | 363218 |
| 5°  | 343998 | 345796 | 346314 |
| 10° | 357104 | 356579 | 358660 |
| 15° | 363015 | 362480 | 365136 |
| 20° | 321245 | 321245 | 321795 |
| 25° | 275292 | 267082 | 269344 |
| 30° | 220224 | 212229 | 215491 |
| 35° | 136617 | 139456 | 136323 |
| 40° | 59982  | 66007  | 61646  |
| 45° | 731    | 21409  | 1827   |
| 50° | 0      | 2385   | 0      |
| 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: 45°  
 Vertical Angle: 45°  
 Luminance: 21409 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 192.6  | 10.3      |
| 10°-20°   | 558.3  | 29.9      |
| 20°-30°   | 648.2  | 34.7      |
| 30°-40°   | 408.2  | 21.8      |
| 40°-50°   | 61.3   | 3.3       |
| 50°-60°   | 0.3    | 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       |
| 0°-30°    | 1399.2 | 74.9      |
| 0°-40°    | 1807.4 | 96.7      |
| 0°-60°    | 1869.0 | 100.0     |
| 0°-90°    | 1869.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1869.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2109 | 2109  | 2109 | 2109  | 2109 |      |
| 5°  | 1990 | 1997  | 2000 | 2005  | 2003 | 192  |
| 15° | 2036 | 2028  | 2033 | 2046  | 2048 | 558  |
| 25° | 1449 | 1432  | 1406 | 1412  | 1417 | 659  |
| 35° | 650  | 651   | 663  | 650   | 648  | 406  |
| 45° | 3    | 28    | 88   | 37    | 8    | 40   |
| 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    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2109.0 | 2109.0 | 2109.0 | 2109.0 | 2109.0 |
| 1°    | 2092.6 | 2098.6 | 2098.6 | 2100.1 | 2098.6 |
| 2°    | 2064.3 | 2073.3 | 2073.3 | 2077.7 | 2074.7 |
| 3°    | 2036.0 | 2043.4 | 2044.9 | 2050.9 | 2049.4 |
| 4°    | 2004.7 | 2016.6 | 2021.1 | 2024.1 | 2022.6 |
| 5°    | 1989.8 | 1997.2 | 2000.2 | 2004.7 | 2003.2 |
| 6°    | 1983.8 | 1989.8 | 1992.8 | 1997.2 | 1997.2 |
| 7°    | 1988.3 | 1992.8 | 1997.2 | 2000.2 | 1997.2 |
| 8°    | 2001.7 | 2006.2 | 2006.2 | 2012.1 | 2007.7 |
| 9°    | 2021.1 | 2022.6 | 2022.6 | 2030.0 | 2025.6 |
| 10°   | 2042.0 | 2039.0 | 2039.0 | 2049.4 | 2050.9 |
| 11°   | 2059.8 | 2056.9 | 2055.4 | 2065.8 | 2068.8 |
| 12°   | 2070.3 | 2064.3 | 2064.3 | 2077.7 | 2079.2 |
| 13°   | 2071.8 | 2064.3 | 2064.3 | 2077.7 | 2082.2 |
| 14°   | 2059.8 | 2050.9 | 2052.4 | 2067.3 | 2071.8 |
| 15°   | 2036.0 | 2028.5 | 2033.0 | 2046.4 | 2047.9 |
| 17.5° | 1922.7 | 1918.2 | 1921.2 | 1930.2 | 1931.7 |
| 20°   | 1752.8 | 1749.8 | 1752.8 | 1752.8 | 1755.8 |
| 22.5° | 1584.4 | 1576.9 | 1562.0 | 1571.0 | 1572.5 |
| 25°   | 1448.7 | 1432.3 | 1405.5 | 1411.5 | 1417.4 |
| 27.5° | 1299.7 | 1278.8 | 1250.5 | 1258.0 | 1259.5 |
| 30°   | 1107.4 | 1097.0 | 1067.2 | 1074.6 | 1083.6 |
| 32.5° | 855.5  | 883.9  | 866.0  | 864.5  | 866.0  |
| 35°   | 649.8  | 651.3  | 663.3  | 649.8  | 648.4  |
| 37.5° | 454.6  | 456.1  | 465.0  | 450.1  | 451.6  |
| 40°   | 266.8  | 286.2  | 293.6  | 287.7  | 274.2  |
| 42.5° | 83.5   | 147.6  | 166.9  | 144.6  | 92.4   |
| 45°   | 3.0    | 28.3   | 87.9   | 37.3   | 7.5    |
| 47.5° | 0.0    | 1.5    | 41.7   | 3.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 8.9    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 1.5    | 0.0    | 0.0    |
| 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)