

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: P1312786

Luminaire Tested: LDSQA3D17R609050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609050DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

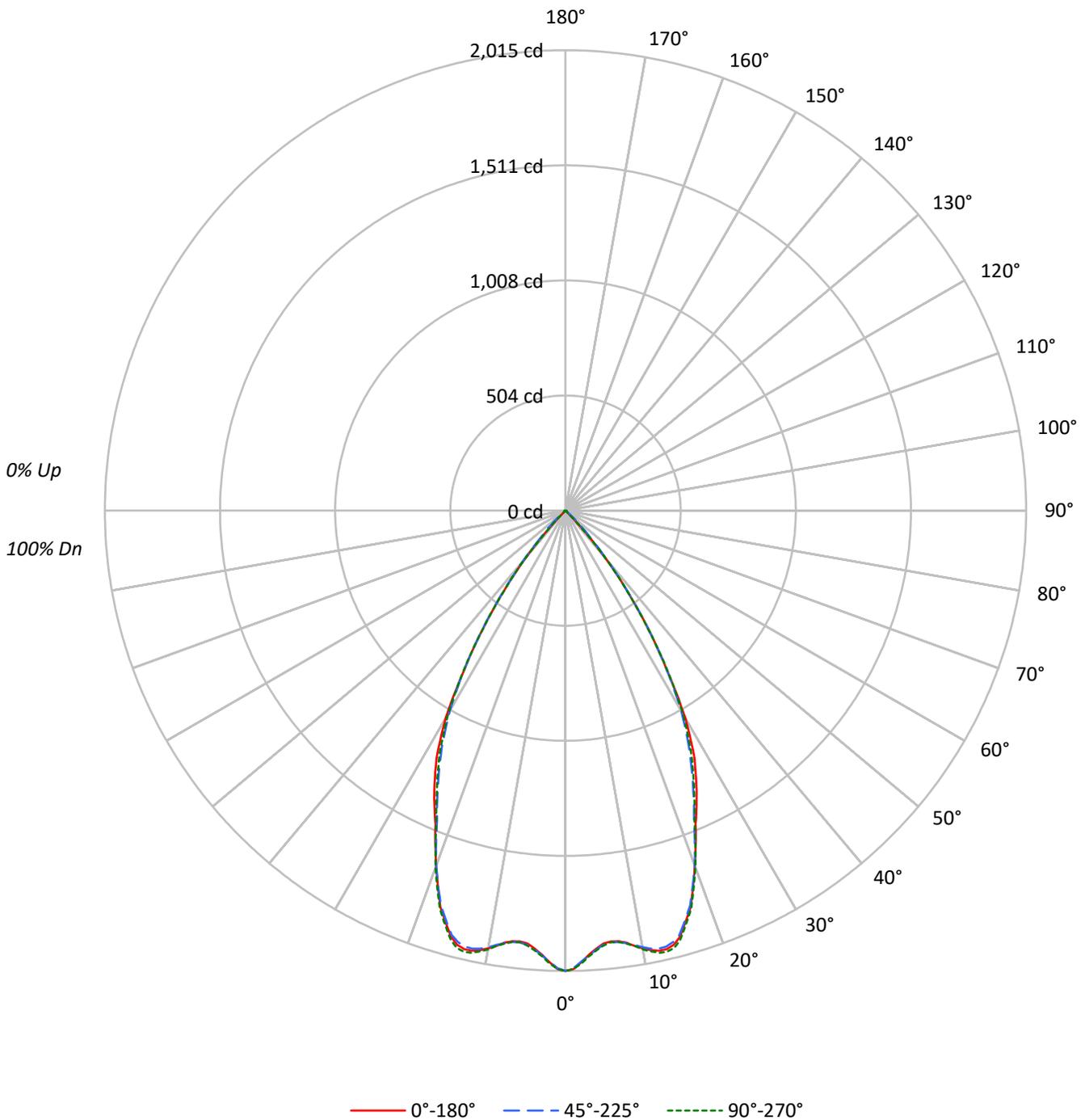
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1796.9 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1312786  
CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1312786

CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCDR1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 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 | 108 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98  | 98  | 96  | 95  | 95  | 95  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 89  | 89  | 89  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 84  | 88  | 85  | 83  | 83  | 83  | 83  | 82  |
| 4   | 98  | 90  | 85  | 81  | 96  | 89  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 79  | 83  | 80  | 78  | 78  | 78  | 78  | 76  |
| 5   | 93  | 85  | 79  | 75  | 91  | 84  | 79  | 75  | 82  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 73  | 71  |
| 6   | 88  | 80  | 74  | 70  | 87  | 79  | 73  | 69  | 77  | 73  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 68  | 68  | 68  | 67  |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 69  | 65  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 64  | 64  | 64  | 64  | 62  |
| 8   | 80  | 71  | 65  | 61  | 79  | 70  | 65  | 61  | 69  | 64  | 60  | 68  | 64  | 60  | 67  | 63  | 60  | 60  | 60  | 60  | 59  |
| 9   | 76  | 67  | 61  | 57  | 75  | 66  | 61  | 57  | 65  | 60  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 56  | 56  | 56  | 55  |
| 10  | 73  | 63  | 58  | 54  | 72  | 63  | 57  | 54  | 62  | 57  | 54  | 61  | 57  | 53  | 61  | 56  | 53  | 53  | 53  | 53  | 52  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 346977 | 346977 | 346977 |
| 5°  | 328853 | 329821 | 330323 |
| 10° | 340280 | 339301 | 341015 |
| 15° | 344418 | 342921 | 346433 |
| 20° | 303284 | 303028 | 304567 |
| 25° | 258075 | 250607 | 252735 |
| 30° | 208292 | 201033 | 204374 |
| 35° | 131824 | 133022 | 131529 |
| 40° | 61646  | 64164  | 62590  |
| 45° | 3775   | 22602  | 4457   |
| 50° | 1876   | 5278   | 1876   |
| 55° | 2102   | 2102   | 2102   |
| 60° | 1929   | 1929   | 1929   |
| 65° | 1712   | 2282   | 1712   |
| 70° | 2115   | 2115   | 2115   |
| 75° | 1863   | 1863   | 1863   |
| 80° | 1389   | 1389   | 1389   |
| 85° | 2766   | 2766   | 2766   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 22602 cd/sqm



TEST NUMBER: P1312786

CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCDR1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 183.6  | 10.2      |
| 10°-20°   | 528.9  | 29.4      |
| 20°-30°   | 609.6  | 33.9      |
| 30°-40°   | 391.5  | 21.8      |
| 40°-50°   | 68.1   | 3.8       |
| 50°-60°   | 6.5    | 0.4       |
| 60°-70°   | 4.9    | 0.3       |
| 70°-80°   | 3.0    | 0.2       |
| 80°-90°   | 1.0    | 0.1       |
| 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°    | 1322.1 | 73.6      |
| 0°-40°    | 1713.6 | 95.4      |
| 0°-60°    | 1788.1 | 99.5      |
| 0°-90°    | 1796.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1796.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2015 | 2015  | 2015 | 2015  | 2015 |      |
| 5°  | 1902 | 1906  | 1908 | 1912  | 1911 | 183  |
| 15° | 1932 | 1925  | 1923 | 1936  | 1943 | 529  |
| 25° | 1358 | 1343  | 1319 | 1320  | 1330 | 619  |
| 35° | 627  | 623   | 633  | 620   | 626  | 391  |
| 45° | 16   | 46    | 93   | 55    | 18   | 51   |
| 55° | 7    | 7     | 7    | 7     | 7    | 6    |
| 65° | 4    | 6     | 6    | 6     | 4    | 5    |
| 75° | 3    | 3     | 3    | 3     | 3    | 3    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P1312786

CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2014.7 | 2014.7 | 2014.7 | 2014.7 | 2014.7 |
| 1°    | 2006.3 | 2004.9 | 2003.4 | 2004.9 | 2006.3 |
| 2°    | 1978.1 | 1976.7 | 1975.3 | 1981.0 | 1983.8 |
| 3°    | 1947.2 | 1948.6 | 1950.0 | 1952.8 | 1954.2 |
| 4°    | 1921.9 | 1924.7 | 1926.1 | 1928.9 | 1930.3 |
| 5°    | 1902.2 | 1906.4 | 1907.8 | 1912.1 | 1910.7 |
| 6°    | 1896.6 | 1899.4 | 1900.8 | 1902.2 | 1899.4 |
| 7°    | 1899.4 | 1900.8 | 1902.2 | 1905.0 | 1902.2 |
| 8°    | 1909.2 | 1910.7 | 1912.1 | 1913.5 | 1913.5 |
| 9°    | 1928.9 | 1926.1 | 1924.7 | 1930.3 | 1928.9 |
| 10°   | 1945.8 | 1941.6 | 1940.2 | 1948.6 | 1950.0 |
| 11°   | 1959.9 | 1954.2 | 1952.8 | 1962.7 | 1965.5 |
| 12°   | 1969.7 | 1961.3 | 1959.9 | 1972.5 | 1978.1 |
| 13°   | 1969.7 | 1958.5 | 1958.5 | 1972.5 | 1981.0 |
| 14°   | 1958.5 | 1945.8 | 1945.8 | 1961.3 | 1971.1 |
| 15°   | 1931.7 | 1924.7 | 1923.3 | 1936.0 | 1943.0 |
| 17.5° | 1819.3 | 1810.8 | 1812.2 | 1826.3 | 1827.7 |
| 20°   | 1654.8 | 1650.6 | 1653.4 | 1656.2 | 1661.8 |
| 22.5° | 1487.5 | 1484.7 | 1469.2 | 1473.4 | 1476.2 |
| 25°   | 1358.1 | 1342.7 | 1318.8 | 1320.2 | 1330.0 |
| 27.5° | 1221.8 | 1206.3 | 1172.5 | 1179.6 | 1189.4 |
| 30°   | 1047.4 | 1034.8 | 1010.9 | 1015.1 | 1027.7 |
| 32.5° | 822.5  | 847.8  | 825.3  | 832.3  | 828.1  |
| 35°   | 627.0  | 622.8  | 632.7  | 620.0  | 625.6  |
| 37.5° | 441.5  | 442.9  | 447.1  | 435.8  | 435.8  |
| 40°   | 274.2  | 281.2  | 285.4  | 279.8  | 278.4  |
| 42.5° | 115.3  | 157.5  | 165.9  | 157.5  | 116.7  |
| 45°   | 15.5   | 46.4   | 92.8   | 54.8   | 18.3   |
| 47.5° | 7.0    | 9.8    | 49.2   | 9.8    | 7.0    |
| 50°   | 7.0    | 7.0    | 19.7   | 7.0    | 7.0    |
| 52.5° | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 55°   | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 57.5° | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 60°   | 5.6    | 5.6    | 5.6    | 5.6    | 5.6    |
| 62.5° | 5.6    | 5.6    | 5.6    | 5.6    | 5.6    |
| 65°   | 4.2    | 5.6    | 5.6    | 5.6    | 4.2    |
| 67.5° | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    |
| 70°   | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    |
| 72.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 75°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 77.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 80°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 82.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 85°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1312786  
CATALOG NUMBER: LDSQA3D17R609050DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)