

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: P1324799

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCDR1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

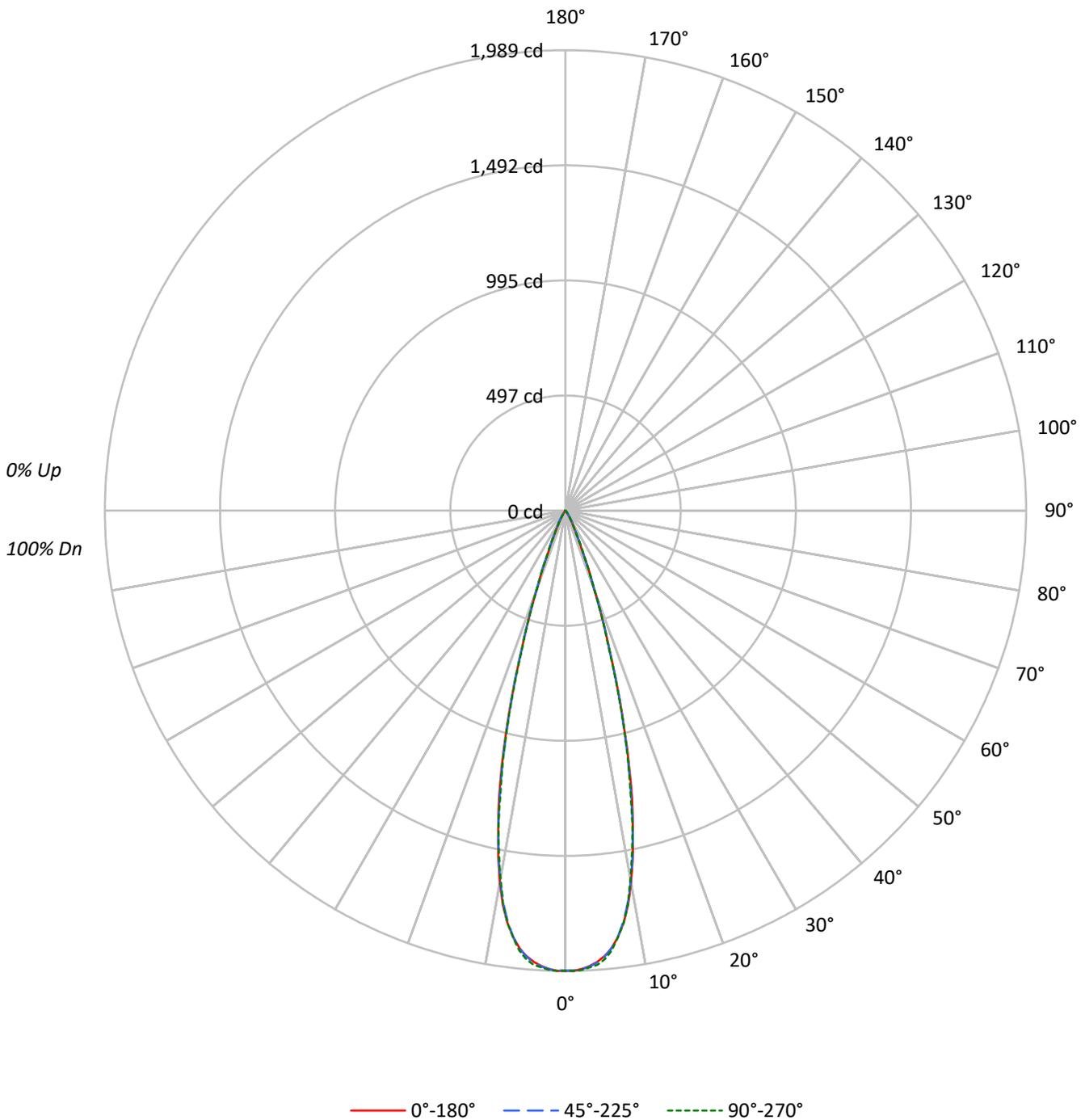
Test Method: LM-79-2019  
Report Number: P1324799  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQCDR1MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 513.0 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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  |     | 0   |     |
| 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 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 99  | 99  | 97  |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 95  | 94  | 94  |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 92  | 91  | 91  |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 89  | 88  | 88  |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 87  | 86  | 86  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 84  | 83  | 83  |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 82  | 81  | 81  |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 80  | 79  | 79  |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 78  | 77  | 77  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 76  | 75  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 342396 | 342396 | 342396 |
| 5°  | 334057 | 334472 | 336322 |
| 10° | 285298 | 283969 | 282308 |
| 15° | 176069 | 174001 | 174643 |
| 20° | 66547  | 66914  | 66841  |
| 25° | 20466  | 22442  | 21378  |
| 30° | 8253   | 10480  | 8571   |
| 35° | 2439   | 4436   | 2523   |
| 40° | 989    | 1799   | 989    |
| 45° | 195    | 585    | 195    |
| 50° | 0      | 107    | 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: 585 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 175.4  | 34.2      |
| 10°-20°   | 259.6  | 50.6      |
| 20°-30°   | 64.4   | 12.6      |
| 30°-40°   | 12.1   | 2.4       |
| 40°-50°   | 1.5    | 0.3       |
| 50°-60°   | 0.0    | 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°    | 499.4  | 97.3      |
| 0°-40°    | 511.5  | 99.7      |
| 0°-60°    | 513.0  | 100.0     |
| 0°-90°    | 513.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 513.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1988 | 1988  | 1988 | 1988  | 1988 |      |
| 5°  | 1932 | 1932  | 1935 | 1938  | 1945 | 175  |
| 15° | 988  | 978   | 976  | 984   | 980  | 261  |
| 25° | 108  | 115   | 118  | 118   | 112  | 62   |
| 35° | 12   | 15    | 21   | 16    | 12   | 10   |
| 45° | 1    | 1     | 2    | 2     | 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    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1988.1 | 1988.1 | 1988.1 | 1988.1 | 1988.1 |
| 1°    | 1988.9 | 1987.3 | 1987.3 | 1984.9 | 1989.3 |
| 2°    | 1981.7 | 1980.1 | 1982.9 | 1980.9 | 1986.5 |
| 3°    | 1971.0 | 1969.0 | 1973.0 | 1974.2 | 1976.9 |
| 4°    | 1955.0 | 1953.4 | 1957.8 | 1960.2 | 1967.8 |
| 5°    | 1932.3 | 1931.5 | 1934.7 | 1937.8 | 1945.4 |
| 6°    | 1901.1 | 1899.9 | 1901.9 | 1905.9 | 1910.7 |
| 7°    | 1856.1 | 1853.7 | 1855.3 | 1856.1 | 1857.3 |
| 8°    | 1799.0 | 1795.4 | 1793.4 | 1797.8 | 1800.2 |
| 9°    | 1725.6 | 1721.6 | 1717.2 | 1715.6 | 1721.2 |
| 10°   | 1631.4 | 1625.4 | 1623.8 | 1619.9 | 1614.3 |
| 11°   | 1522.1 | 1517.3 | 1516.1 | 1508.9 | 1505.7 |
| 12°   | 1396.8 | 1394.4 | 1397.2 | 1392.8 | 1391.2 |
| 13°   | 1276.7 | 1261.6 | 1259.6 | 1251.2 | 1246.8 |
| 14°   | 1134.7 | 1120.7 | 1120.3 | 1115.9 | 1121.9 |
| 15°   | 987.5  | 977.9  | 975.9  | 983.5  | 979.5  |
| 17.5° | 629.6  | 636.0  | 634.4  | 630.4  | 623.6  |
| 20°   | 363.1  | 358.7  | 365.1  | 366.7  | 364.7  |
| 22.5° | 193.5  | 195.1  | 196.3  | 201.1  | 204.3  |
| 25°   | 107.7  | 114.9  | 118.1  | 117.7  | 112.5  |
| 27.5° | 67.0   | 71.4   | 77.4   | 73.4   | 69.0   |
| 30°   | 41.5   | 45.1   | 52.7   | 45.5   | 43.1   |
| 32.5° | 22.3   | 28.3   | 33.9   | 28.3   | 23.1   |
| 35°   | 11.6   | 15.2   | 21.1   | 15.6   | 12.0   |
| 37.5° | 7.6    | 8.8    | 13.6   | 8.8    | 7.6    |
| 40°   | 4.4    | 5.6    | 8.0    | 5.6    | 4.4    |
| 42.5° | 2.0    | 3.2    | 4.4    | 3.2    | 2.0    |
| 45°   | 0.8    | 1.2    | 2.4    | 1.6    | 0.8    |
| 47.5° | 0.0    | 0.4    | 1.2    | 0.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 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)