

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: P1324797

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCDR1MMS\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324797  
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\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

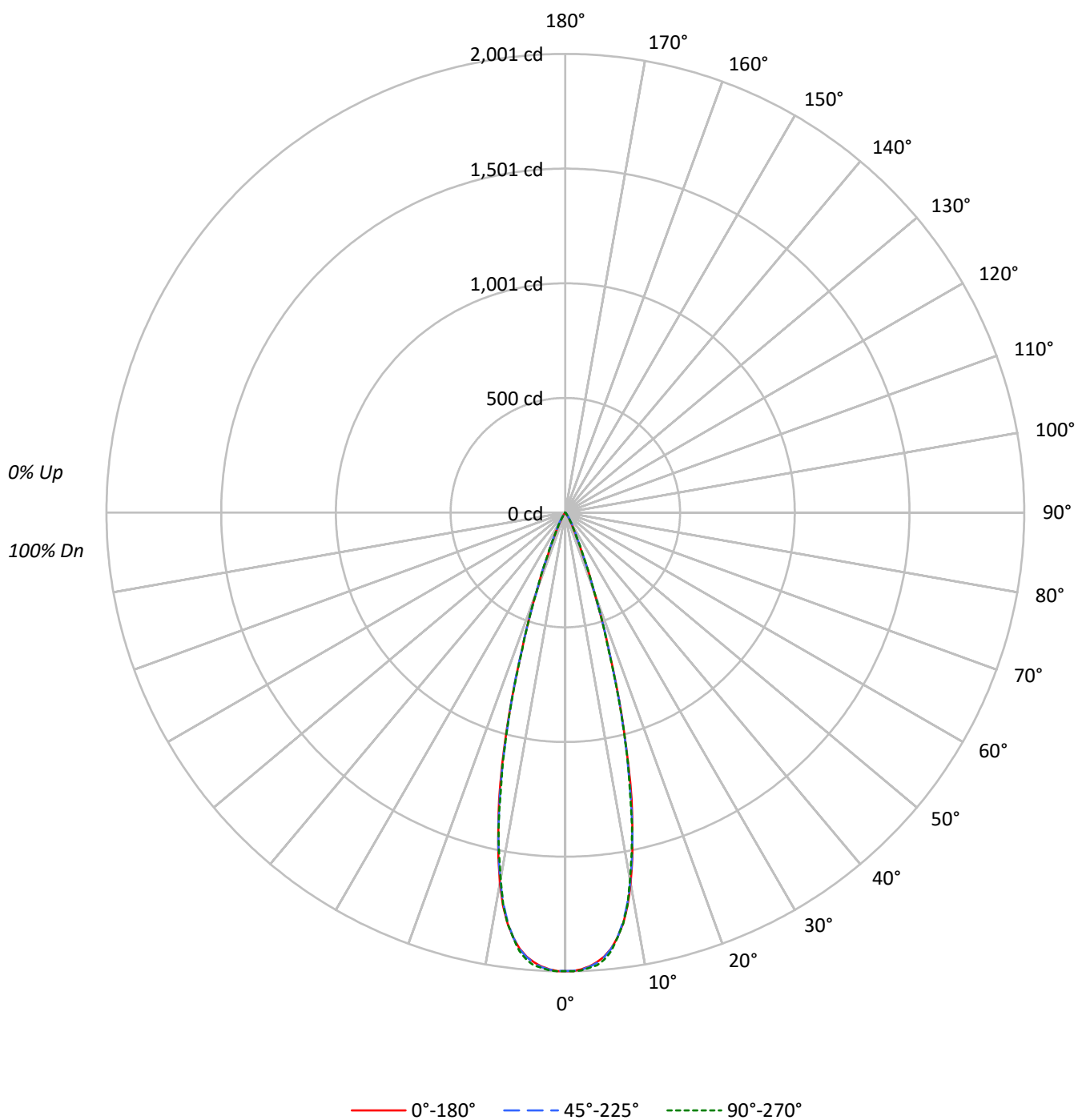
Lumens per Lamp: N/A  
Luminaire Lumens: 516.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 |
| 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 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 96 | 95 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 85 | 84 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 76 | 75 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 74 | 73 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 344394 | 344394 | 344394 |
| 5°  | 336011 | 336425 | 338293 |
| 10° | 286977 | 285631 | 283952 |
| 15° | 177086 | 175017 | 175659 |
| 20° | 66932  | 67299  | 67225  |
| 25° | 20599  | 22575  | 21511  |
| 30° | 8293   | 10540  | 8611   |
| 35° | 2439   | 4478   | 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°    | 176.4  | 34.2      |
| 10°-20°   | 261.1  | 50.6      |
| 20°-30°   | 64.8   | 12.6      |
| 30°-40°   | 12.2   | 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       |
| <hr/>     |        |           |
| 0°-30°    | 502.3  | 97.3      |
| 0°-40°    | 514.4  | 99.7      |
| 0°-60°    | 516.0  | 100.0     |
| 0°-90°    | 516.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 516.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2000 | 2000  | 2000 | 2000  | 2000 |      |
| 5°  | 1944 | 1943  | 1946 | 1949  | 1957 | 177  |
| 15° | 993  | 984   | 982  | 989   | 985  | 262  |
| 25° | 108  | 116   | 119  | 118   | 113  | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1999.7 | 1999.7 | 1999.7 | 1999.7 | 1999.7 |
| 1°    | 2000.5 | 1998.9 | 1998.9 | 1996.5 | 2000.9 |
| 2°    | 1993.3 | 1991.7 | 1994.5 | 1992.5 | 1998.1 |
| 3°    | 1982.5 | 1980.5 | 1984.5 | 1985.7 | 1988.5 |
| 4°    | 1966.4 | 1964.8 | 1969.2 | 1971.7 | 1979.3 |
| 5°    | 1943.6 | 1942.8 | 1946.0 | 1949.2 | 1956.8 |
| 6°    | 1912.3 | 1911.1 | 1913.1 | 1917.1 | 1921.9 |
| 7°    | 1866.9 | 1864.5 | 1866.1 | 1866.9 | 1868.1 |
| 8°    | 1809.5 | 1805.9 | 1803.9 | 1808.3 | 1810.7 |
| 9°    | 1735.7 | 1731.7 | 1727.3 | 1725.6 | 1731.3 |
| 10°   | 1641.0 | 1634.9 | 1633.3 | 1629.3 | 1623.7 |
| 11°   | 1531.0 | 1526.2 | 1525.0 | 1517.8 | 1514.6 |
| 12°   | 1405.0 | 1402.6 | 1405.4 | 1401.0 | 1399.4 |
| 13°   | 1284.2 | 1269.0 | 1266.9 | 1258.5 | 1254.1 |
| 14°   | 1141.3 | 1127.3 | 1126.9 | 1122.5 | 1128.5 |
| 15°   | 993.2  | 983.6  | 981.6  | 989.2  | 985.2  |
| 17.5° | 633.3  | 639.7  | 638.1  | 634.1  | 627.3  |
| 20°   | 365.2  | 360.8  | 367.2  | 368.8  | 366.8  |
| 22.5° | 194.6  | 196.2  | 197.4  | 202.3  | 205.5  |
| 25°   | 108.4  | 115.6  | 118.8  | 118.4  | 113.2  |
| 27.5° | 67.4   | 71.8   | 77.9   | 73.8   | 69.4   |
| 30°   | 41.7   | 45.3   | 53.0   | 45.7   | 43.3   |
| 32.5° | 22.5   | 28.5   | 34.1   | 28.5   | 23.3   |
| 35°   | 11.6   | 15.2   | 21.3   | 15.7   | 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)