

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: P1316006

Luminaire Tested: LDSQA3D20R709735D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709735D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

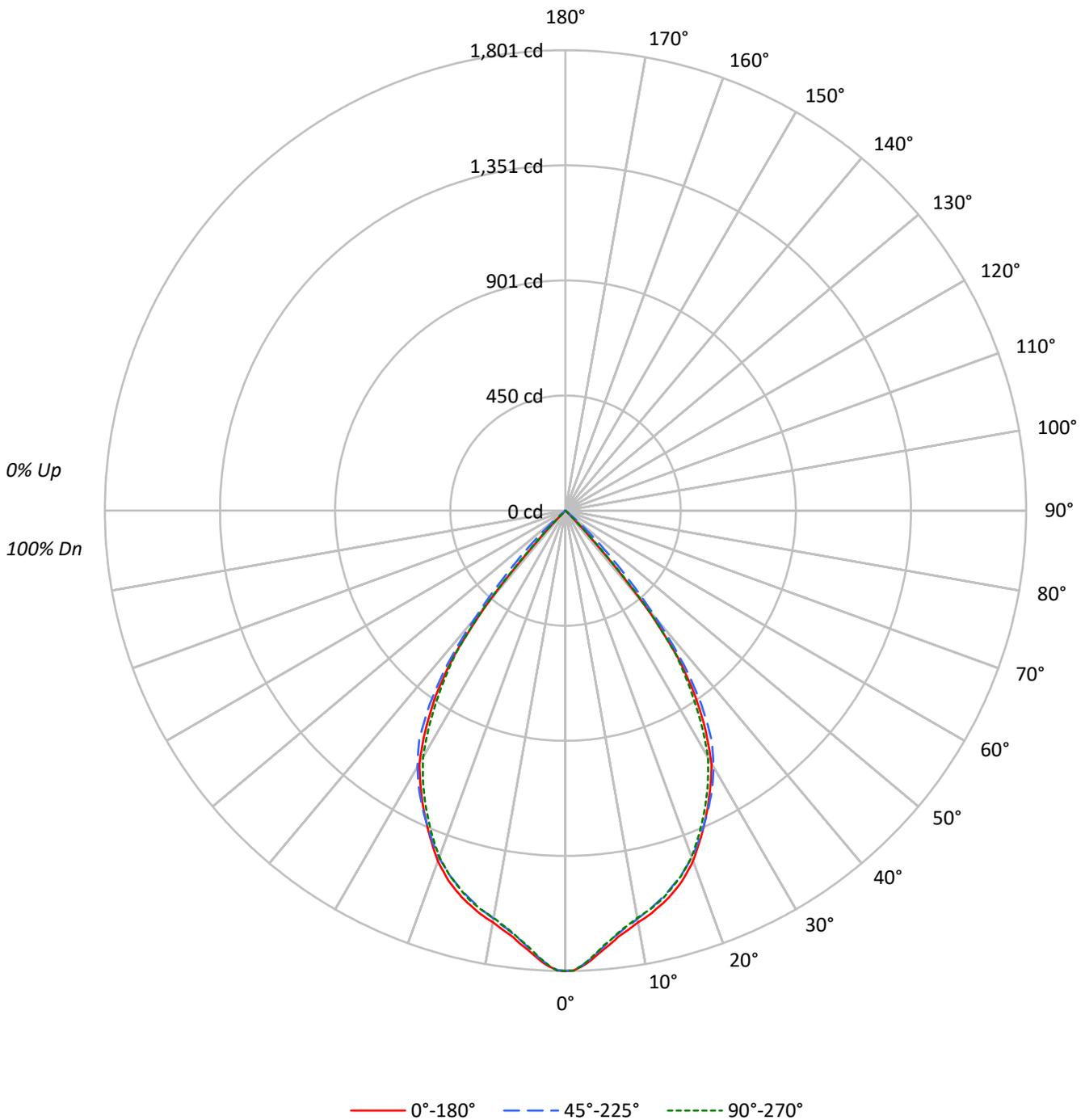
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
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 | | | | |
| 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 | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 108 | 103 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 88 | 88 | 88 | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 84 | 81 | 81 | 81 | 81 | 80 |
| 4 | 96 | 89 | 83 | 79 | 95 | 88 | 82 | 78 | 85 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 75 | 75 | 75 | 74 |
| 5 | 91 | 83 | 77 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 6 | 86 | 77 | 71 | 67 | 85 | 76 | 71 | 66 | 75 | 70 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 65 | 65 | 65 | 63 |
| 7 | 82 | 72 | 66 | 62 | 80 | 71 | 66 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 60 | 60 | 60 | 59 |
| 8 | 78 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 56 | 56 | 56 | 55 |
| 9 | 74 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 53 | 53 | 53 | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 53 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 49 | 49 | 49 | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 310139 | 310139 | 310139 |
| 5° | 297700 | 296058 | 295245 |
| 10° | 285980 | 283497 | 282955 |
| 15° | 279215 | 275292 | 275845 |
| 20° | 267381 | 264778 | 264192 |
| 25° | 248194 | 248783 | 244887 |
| 30° | 227144 | 230286 | 221516 |
| 35° | 185815 | 194771 | 178540 |
| 40° | 106970 | 124686 | 109802 |
| 45° | 1534 | 51805 | 5383 |
| 50° | 0 | 5493 | 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: 51805 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 160.7 | 8.6 |
| 10°-20° | 435.3 | 23.4 |
| 20°-30° | 598.1 | 32.1 |
| 30°-40° | 542.3 | 29.1 |
| 40°-50° | 126.0 | 6.8 |
| 50°-60° | 0.6 | 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° | 1194.1 | 64.1 |
| 0°-40° | 1736.3 | 93.2 |
| 0°-60° | 1863.0 | 100.0 |
| 0°-90° | 1863.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1863.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1801 | 1801 | 1801 | 1801 | 1801 | |
| 5° | 1722 | 1717 | 1712 | 1709 | 1708 | 162 |
| 15° | 1566 | 1555 | 1544 | 1544 | 1547 | 439 |
| 25° | 1306 | 1312 | 1309 | 1297 | 1289 | 599 |
| 35° | 884 | 896 | 926 | 887 | 849 | 531 |
| 45° | 6 | 71 | 213 | 91 | 22 | 76 |
| 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° | 1800.8 | 1800.8 | 1800.8 | 1800.8 | 1800.8 |
| 1° | 1799.2 | 1796.0 | 1797.6 | 1799.2 | 1800.8 |
| 2° | 1785.0 | 1781.8 | 1781.8 | 1783.4 | 1783.4 |
| 3° | 1767.7 | 1761.4 | 1761.4 | 1759.8 | 1759.8 |
| 4° | 1744.0 | 1739.3 | 1736.2 | 1734.6 | 1734.6 |
| 5° | 1722.0 | 1717.3 | 1712.5 | 1709.4 | 1707.8 |
| 6° | 1703.1 | 1695.2 | 1688.9 | 1687.3 | 1688.9 |
| 7° | 1681.0 | 1676.3 | 1670.0 | 1665.3 | 1666.8 |
| 8° | 1665.3 | 1659.0 | 1651.1 | 1647.9 | 1647.9 |
| 9° | 1651.1 | 1644.8 | 1636.9 | 1630.6 | 1633.8 |
| 10° | 1635.3 | 1629.0 | 1621.1 | 1616.4 | 1618.0 |
| 11° | 1624.3 | 1616.4 | 1607.0 | 1603.8 | 1605.4 |
| 12° | 1611.7 | 1602.2 | 1592.8 | 1591.2 | 1594.4 |
| 13° | 1595.9 | 1586.5 | 1577.0 | 1577.0 | 1580.2 |
| 14° | 1581.8 | 1570.7 | 1561.3 | 1561.3 | 1566.0 |
| 15° | 1566.0 | 1555.0 | 1544.0 | 1544.0 | 1547.1 |
| 17.5° | 1518.7 | 1509.3 | 1498.3 | 1498.3 | 1499.8 |
| 20° | 1458.9 | 1454.1 | 1444.7 | 1440.0 | 1441.5 |
| 22.5° | 1383.3 | 1383.3 | 1378.5 | 1370.6 | 1367.5 |
| 25° | 1306.1 | 1312.4 | 1309.2 | 1296.6 | 1288.7 |
| 27.5° | 1225.7 | 1236.7 | 1238.3 | 1219.4 | 1205.2 |
| 30° | 1142.2 | 1151.7 | 1158.0 | 1135.9 | 1113.9 |
| 32.5° | 1019.3 | 1047.7 | 1063.4 | 1033.5 | 987.8 |
| 35° | 883.8 | 896.4 | 926.4 | 887.0 | 849.2 |
| 37.5° | 718.4 | 734.2 | 759.4 | 727.9 | 705.8 |
| 40° | 475.8 | 538.8 | 554.6 | 538.8 | 488.4 |
| 42.5° | 171.7 | 302.5 | 363.9 | 308.8 | 201.7 |
| 45° | 6.3 | 70.9 | 212.7 | 91.4 | 22.1 |
| 47.5° | 0.0 | 1.6 | 96.1 | 3.2 | 0.0 |
| 50° | 0.0 | 0.0 | 20.5 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 1.6 | 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)