

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: P1323645

Luminaire Tested: LDSQA3D05R409030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

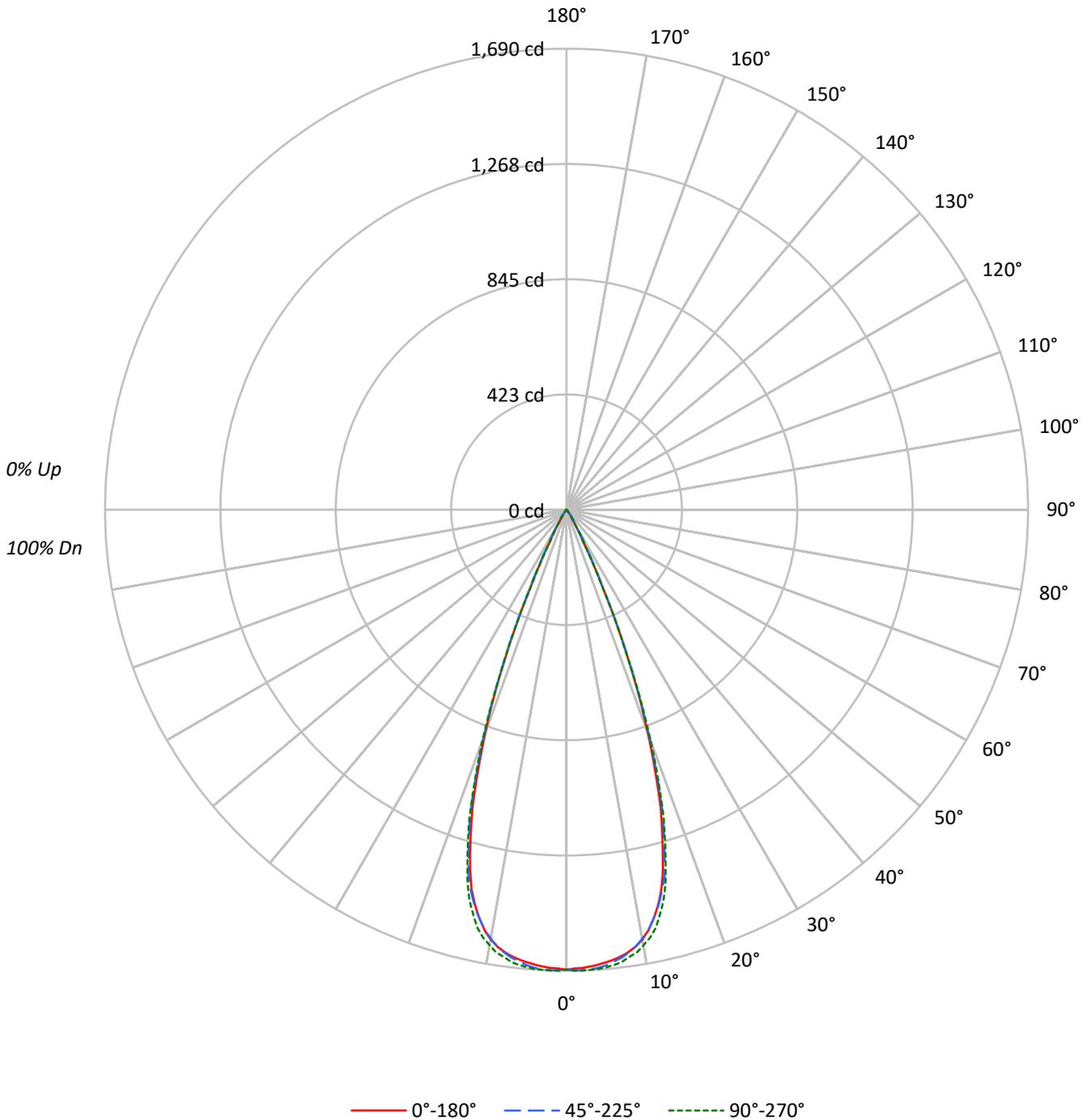
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.0 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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





TEST NUMBER: P1323645

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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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 98 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 94 | 94 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 90 | 90 | 90 | 89 |
| 4 | 103 | 97 | 93 | 90 | 102 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 87 | 87 | 87 | 87 | 85 |
| 5 | 100 | 93 | 89 | 86 | 98 | 93 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 83 | 83 | 83 | 82 |
| 6 | 96 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 7 | 93 | 86 | 82 | 79 | 92 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 82 | 80 | 77 | 77 | 77 | 77 | 76 |
| 8 | 90 | 83 | 79 | 76 | 89 | 83 | 78 | 75 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 75 | 75 | 75 | 73 |
| 9 | 87 | 80 | 76 | 73 | 86 | 80 | 75 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 77 | 74 | 72 | 72 | 72 | 72 | 71 |
| 10 | 85 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 72 | 70 | 76 | 72 | 70 | 75 | 72 | 70 | 70 | 70 | 70 | 69 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 290367 | 290367 | 290367 |
| 5° | 287863 | 289661 | 291044 |
| 10° | 279650 | 279143 | 283497 |
| 15° | 243288 | 247210 | 250223 |
| 20° | 159670 | 162785 | 164893 |
| 25° | 56932 | 60238 | 56647 |
| 30° | 12409 | 16784 | 12509 |
| 35° | 3995 | 6938 | 3890 |
| 40° | 1237 | 2136 | 1124 |
| 45° | 122 | 731 | 122 |
| 50° | 0 | 134 | 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: 731 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 157.7 | 22.2 |
| 10°-20° | 367.2 | 51.8 |
| 20°-30° | 164.7 | 23.2 |
| 30°-40° | 17.8 | 2.5 |
| 40°-50° | 1.7 | 0.2 |
| 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° | 689.5 | 97.3 |
| 0°-40° | 707.3 | 99.8 |
| 0°-60° | 709.0 | 100.0 |
| 0°-90° | 709.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 709.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1686 | 1686 | 1686 | 1686 | 1686 | |
| 5° | 1665 | 1670 | 1676 | 1678 | 1684 | 157 |
| 15° | 1364 | 1374 | 1386 | 1394 | 1403 | 363 |
| 25° | 300 | 308 | 317 | 322 | 298 | 160 |
| 35° | 19 | 22 | 33 | 22 | 18 | 15 |
| 45° | 0 | 1 | 3 | 1 | 0 | 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 |



TEST NUMBER: P1323645

CATALOG NUMBER: LDSQA3D05R409030D2WDE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1686.0 | 1686.0 | 1686.0 | 1686.0 | 1686.0 |
| 1° | 1682.5 | 1686.0 | 1689.0 | 1686.5 | 1690.0 |
| 2° | 1681.0 | 1685.0 | 1689.5 | 1687.0 | 1690.0 |
| 3° | 1677.0 | 1682.0 | 1687.0 | 1685.5 | 1688.5 |
| 4° | 1671.5 | 1675.5 | 1683.0 | 1683.0 | 1687.5 |
| 5° | 1665.1 | 1669.5 | 1675.5 | 1678.0 | 1683.5 |
| 6° | 1658.1 | 1660.6 | 1665.1 | 1670.0 | 1677.5 |
| 7° | 1649.1 | 1649.1 | 1654.6 | 1659.6 | 1669.5 |
| 8° | 1636.6 | 1635.6 | 1639.6 | 1646.1 | 1655.1 |
| 9° | 1621.1 | 1617.6 | 1620.6 | 1630.1 | 1643.6 |
| 10° | 1599.1 | 1596.2 | 1596.2 | 1608.1 | 1621.1 |
| 11° | 1570.7 | 1569.7 | 1570.2 | 1581.7 | 1599.1 |
| 12° | 1532.2 | 1533.2 | 1533.2 | 1546.2 | 1567.7 |
| 13° | 1488.8 | 1488.3 | 1492.8 | 1507.3 | 1521.8 |
| 14° | 1435.9 | 1438.9 | 1443.4 | 1456.4 | 1471.3 |
| 15° | 1364.5 | 1374.5 | 1386.5 | 1394.4 | 1403.4 |
| 17.5° | 1147.3 | 1157.3 | 1173.8 | 1180.3 | 1182.3 |
| 20° | 871.2 | 885.7 | 888.2 | 901.2 | 899.7 |
| 22.5° | 584.1 | 583.1 | 585.1 | 586.6 | 587.1 |
| 25° | 299.6 | 308.5 | 317.0 | 322.5 | 298.1 |
| 27.5° | 130.3 | 145.8 | 156.8 | 142.3 | 131.8 |
| 30° | 62.4 | 70.9 | 84.4 | 71.4 | 62.9 |
| 32.5° | 34.0 | 39.4 | 53.4 | 38.9 | 33.5 |
| 35° | 19.0 | 22.0 | 33.0 | 21.5 | 18.5 |
| 37.5° | 11.0 | 12.0 | 18.0 | 12.0 | 10.5 |
| 40° | 5.5 | 7.0 | 9.5 | 7.0 | 5.0 |
| 42.5° | 2.0 | 3.5 | 5.0 | 3.5 | 2.0 |
| 45° | 0.5 | 1.0 | 3.0 | 1.0 | 0.5 |
| 47.5° | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.5 | 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)