

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: P1307542

Luminaire Tested: LDSQA3D20R709024D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709024D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

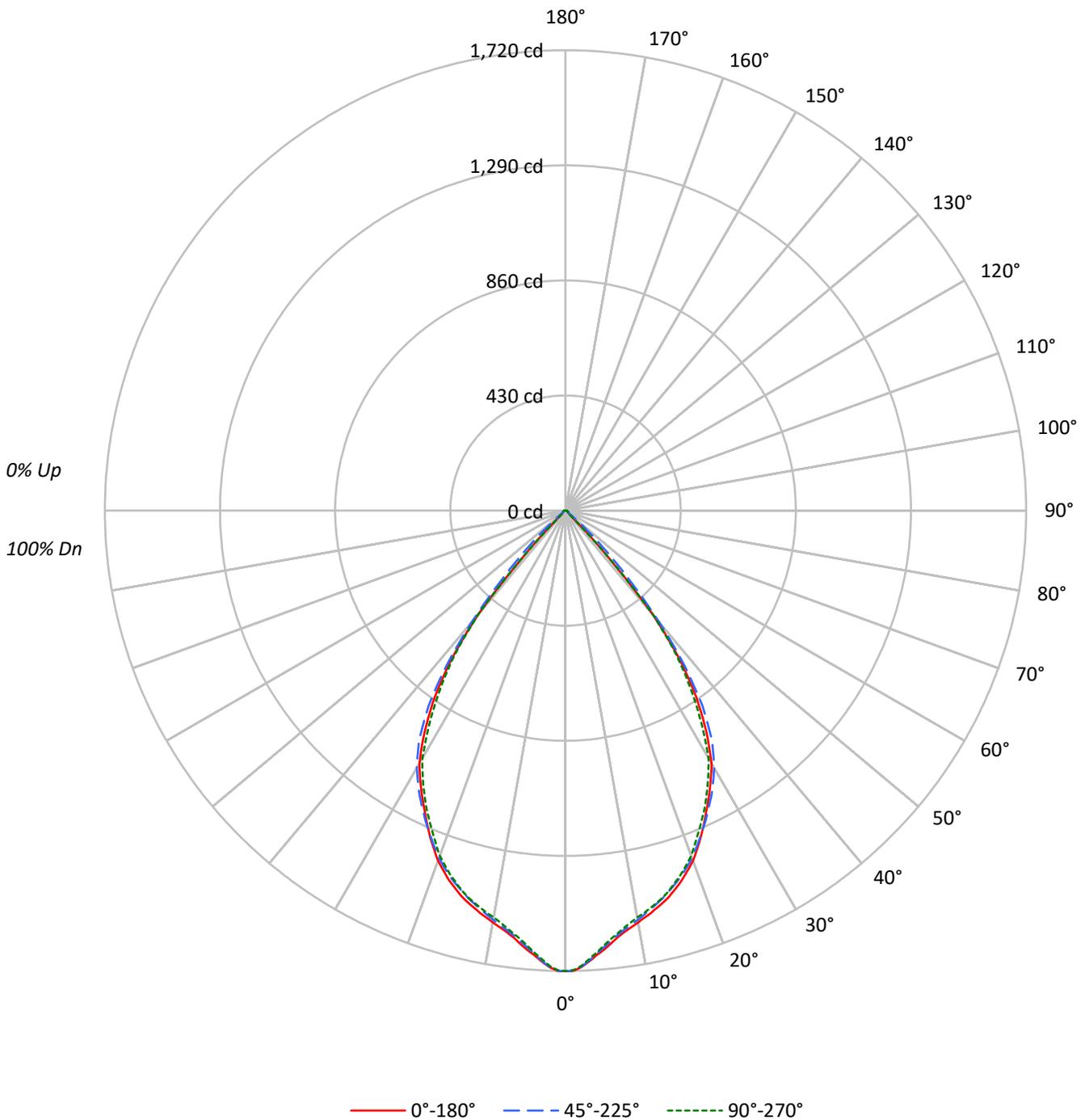
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 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 (A_{in}): 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 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 80 | 80 | 80 | 79 |
| 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 81 | 77 | 74 | 74 | 74 | 74 | 73 |
| 5 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 69 | 69 | 69 | 67 |
| 6 | 86 | 76 | 70 | 65 | 84 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 64 | 64 | 64 | 62 |
| 7 | 81 | 71 | 65 | 60 | 80 | 70 | 64 | 60 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 58 |
| 8 | 77 | 67 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 54 |
| 9 | 73 | 62 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 59 | 55 | 51 | 51 | 51 | 51 | 50 |
| 10 | 69 | 59 | 53 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 48 | 48 | 48 | 47 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 296223 | 296223 | 296223 |
| 5° | 284734 | 283196 | 282158 |
| 10° | 273162 | 271605 | 269787 |
| 15° | 266288 | 263364 | 263097 |
| 20° | 255138 | 253232 | 251582 |
| 25° | 236222 | 237913 | 233391 |
| 30° | 216962 | 220820 | 212528 |
| 35° | 178940 | 187391 | 172044 |
| 40° | 113939 | 122640 | 113939 |
| 45° | 7989 | 52999 | 8719 |
| 50° | 3590 | 10771 | 3590 |
| 55° | 4023 | 4023 | 4023 |
| 60° | 4099 | 4099 | 4099 |
| 65° | 3627 | 4238 | 3627 |
| 70° | 3777 | 4482 | 3777 |
| 75° | 3993 | 3993 | 3993 |
| 80° | 4463 | 4463 | 4463 |
| 85° | 2964 | 5928 | 2964 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 52999 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 153.5 | 8.4 |
| 10°-20° | 415.6 | 22.7 |
| 20°-30° | 571.2 | 31.1 |
| 30°-40° | 523.2 | 28.5 |
| 40°-50° | 138.9 | 7.6 |
| 50°-60° | 12.4 | 0.7 |
| 60°-70° | 10.1 | 0.5 |
| 70°-80° | 6.8 | 0.4 |
| 80°-90° | 2.6 | 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° | 1140.2 | 62.2 |
| 0°-40° | 1663.4 | 90.7 |
| 0°-60° | 1814.6 | 98.9 |
| 0°-90° | 1834.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1834.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1720 | 1720 | 1720 | 1720 | 1720 | |
| 5° | 1647 | 1640 | 1638 | 1635 | 1632 | 154 |
| 15° | 1494 | 1480 | 1477 | 1477 | 1476 | 419 |
| 25° | 1243 | 1248 | 1252 | 1237 | 1228 | 571 |
| 35° | 851 | 864 | 891 | 851 | 818 | 516 |
| 45° | 33 | 112 | 218 | 113 | 36 | 98 |
| 55° | 13 | 13 | 13 | 13 | 13 | 11 |
| 65° | 9 | 10 | 10 | 10 | 9 | 9 |
| 75° | 6 | 6 | 6 | 6 | 6 | 6 |
| 85° | 2 | 3 | 3 | 3 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307542
 CATALOG NUMBER: LDSQA3D20R709024D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1720.0 | 1720.0 | 1720.0 | 1720.0 | 1720.0 |
| 1° | 1720.0 | 1717.1 | 1720.0 | 1720.0 | 1717.1 |
| 2° | 1706.6 | 1703.6 | 1705.1 | 1703.6 | 1702.1 |
| 3° | 1687.2 | 1682.8 | 1684.3 | 1681.3 | 1678.3 |
| 4° | 1664.9 | 1660.4 | 1660.4 | 1658.9 | 1655.9 |
| 5° | 1647.0 | 1639.5 | 1638.1 | 1635.1 | 1632.1 |
| 6° | 1626.1 | 1618.7 | 1617.2 | 1612.7 | 1609.7 |
| 7° | 1605.3 | 1599.3 | 1597.8 | 1591.8 | 1591.8 |
| 8° | 1588.9 | 1581.4 | 1581.4 | 1574.0 | 1574.0 |
| 9° | 1575.5 | 1566.5 | 1566.5 | 1560.5 | 1557.6 |
| 10° | 1562.0 | 1553.1 | 1553.1 | 1545.6 | 1542.7 |
| 11° | 1548.6 | 1541.2 | 1538.2 | 1533.7 | 1532.2 |
| 12° | 1536.7 | 1526.3 | 1523.3 | 1521.8 | 1518.8 |
| 13° | 1521.8 | 1511.4 | 1508.4 | 1506.9 | 1505.4 |
| 14° | 1508.4 | 1495.0 | 1493.5 | 1490.5 | 1492.0 |
| 15° | 1493.5 | 1480.1 | 1477.1 | 1477.1 | 1475.6 |
| 17.5° | 1447.3 | 1438.3 | 1433.9 | 1430.9 | 1427.9 |
| 20° | 1392.1 | 1384.7 | 1381.7 | 1375.7 | 1372.7 |
| 22.5° | 1320.6 | 1319.1 | 1317.6 | 1310.1 | 1298.2 |
| 25° | 1243.1 | 1247.5 | 1252.0 | 1237.1 | 1228.2 |
| 27.5° | 1168.5 | 1180.5 | 1184.9 | 1170.0 | 1150.7 |
| 30° | 1091.0 | 1101.5 | 1110.4 | 1089.6 | 1068.7 |
| 32.5° | 979.3 | 1004.6 | 1018.0 | 994.2 | 946.5 |
| 35° | 851.1 | 864.5 | 891.3 | 851.1 | 818.3 |
| 37.5° | 702.0 | 709.5 | 730.3 | 703.5 | 681.2 |
| 40° | 506.8 | 529.1 | 545.5 | 529.1 | 506.8 |
| 42.5° | 228.0 | 319.0 | 360.7 | 336.9 | 238.5 |
| 45° | 32.8 | 111.8 | 217.6 | 113.3 | 35.8 |
| 47.5° | 13.4 | 17.9 | 113.3 | 16.4 | 13.4 |
| 50° | 13.4 | 13.4 | 40.2 | 13.4 | 13.4 |
| 52.5° | 13.4 | 13.4 | 14.9 | 13.4 | 13.4 |
| 55° | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| 57.5° | 11.9 | 11.9 | 13.4 | 11.9 | 11.9 |
| 60° | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 62.5° | 10.4 | 11.9 | 11.9 | 11.9 | 10.4 |
| 65° | 8.9 | 10.4 | 10.4 | 10.4 | 8.9 |
| 67.5° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 70° | 7.5 | 8.9 | 8.9 | 8.9 | 7.5 |
| 72.5° | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 75° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 77.5° | 4.5 | 6.0 | 6.0 | 6.0 | 4.5 |
| 80° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 82.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 85° | 1.5 | 3.0 | 3.0 | 3.0 | 1.5 |
| 87.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |



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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)