

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: P1315035

Luminaire Tested: LDSQA3D20R709730D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315035
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: LDSQA3D20R709730D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

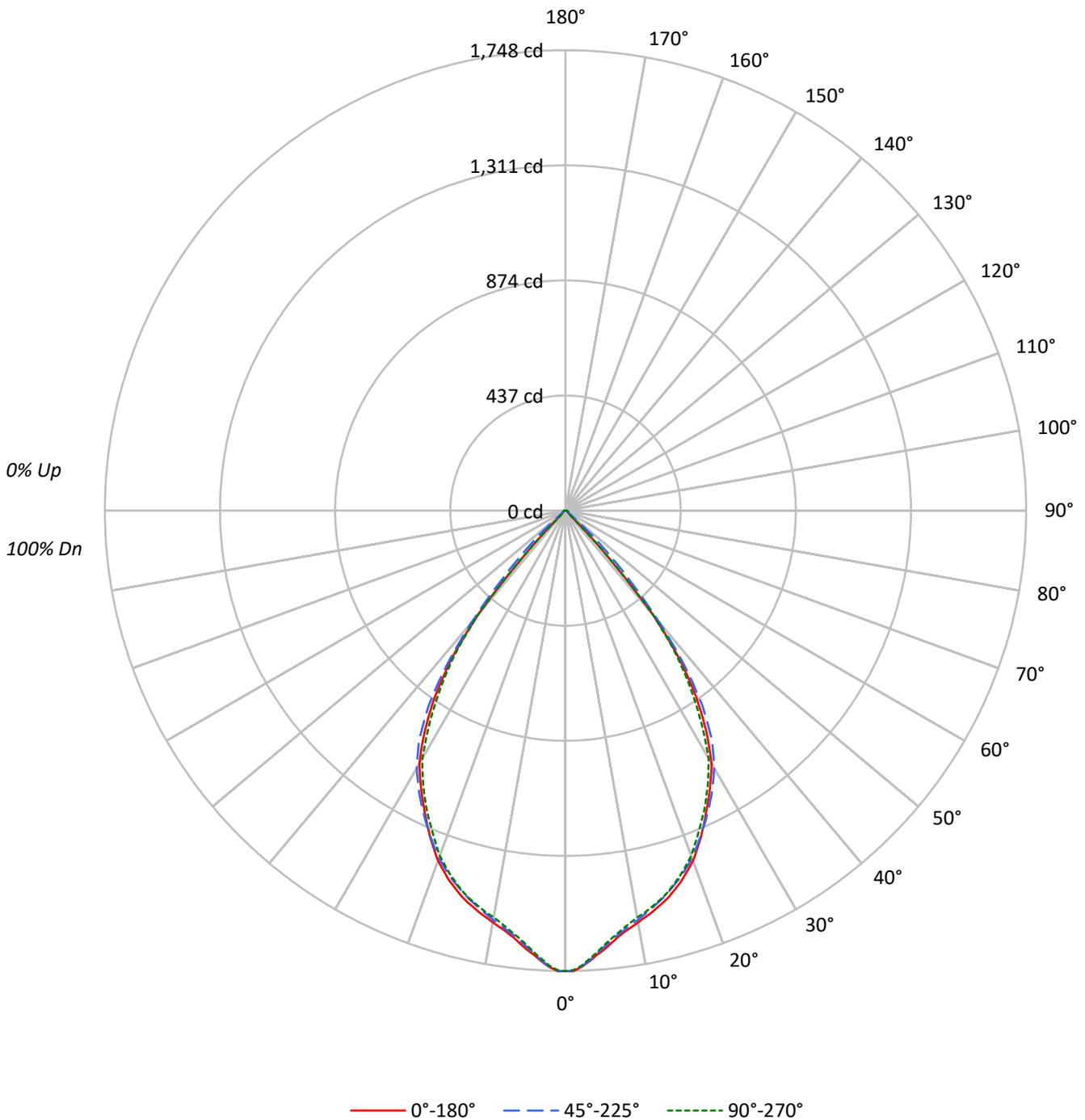
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1864.0 lumens
Efficiency: N/A
Efficacy: 64.7 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

TEST NUMBER: P1315035
CATALOG NUMBER: LDSQA3D20R709730D010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1315035
 CATALOG NUMBER: LDSQA3D20R709730D010 3LSQCDR1MW

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° | 301080 | 301080 | 301080 |
| 5° | 289385 | 287811 | 286774 |
| 10° | 277639 | 276047 | 274193 |
| 15° | 270639 | 267661 | 267394 |
| 20° | 259317 | 257374 | 255706 |
| 25° | 240080 | 241809 | 237210 |
| 30° | 220522 | 224440 | 216008 |
| 35° | 181862 | 190461 | 174861 |
| 40° | 115805 | 124641 | 115805 |
| 45° | 8111 | 53875 | 8866 |
| 50° | 3644 | 10958 | 3644 |
| 55° | 4084 | 4084 | 4084 |
| 60° | 4168 | 4168 | 4168 |
| 65° | 3708 | 4320 | 3708 |
| 70° | 3827 | 4582 | 3827 |
| 75° | 4059 | 4059 | 4059 |
| 80° | 4463 | 4463 | 4463 |
| 85° | 2964 | 5928 | 2964 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 53875 cd/sqm



TEST NUMBER: P1315035
 CATALOG NUMBER: LDSQA3D20R709730D010 3LSQCDR1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 156.0 | 8.4 |
| 10°-20° | 422.3 | 22.7 |
| 20°-30° | 580.5 | 31.1 |
| 30°-40° | 531.7 | 28.5 |
| 40°-50° | 141.1 | 7.6 |
| 50°-60° | 12.6 | 0.7 |
| 60°-70° | 10.3 | 0.6 |
| 70°-80° | 6.9 | 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° | 1158.9 | 62.2 |
| 0°-40° | 1690.6 | 90.7 |
| 0°-60° | 1844.3 | 98.9 |
| 0°-90° | 1864.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1864.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1748 | 1748 | 1748 | 1748 | 1748 | |
| 5° | 1674 | 1666 | 1665 | 1662 | 1659 | 157 |
| 15° | 1518 | 1504 | 1501 | 1501 | 1500 | 426 |
| 25° | 1263 | 1268 | 1272 | 1257 | 1248 | 581 |
| 35° | 865 | 879 | 906 | 865 | 832 | 525 |
| 45° | 33 | 114 | 221 | 115 | 36 | 100 |
| 55° | 14 | 14 | 14 | 14 | 14 | 12 |
| 65° | 9 | 11 | 11 | 11 | 9 | 10 |
| 75° | 6 | 6 | 6 | 6 | 6 | 6 |
| 85° | 2 | 3 | 3 | 3 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315035

CATALOG NUMBER: LDSQA3D20R709730D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1748.2 | 1748.2 | 1748.2 | 1748.2 | 1748.2 |
| 1° | 1748.2 | 1745.1 | 1748.2 | 1748.2 | 1745.1 |
| 2° | 1734.5 | 1731.5 | 1733.0 | 1731.5 | 1730.0 |
| 3° | 1714.8 | 1710.3 | 1711.8 | 1708.8 | 1705.8 |
| 4° | 1692.1 | 1687.6 | 1687.6 | 1686.1 | 1683.0 |
| 5° | 1673.9 | 1666.4 | 1664.8 | 1661.8 | 1658.8 |
| 6° | 1652.7 | 1645.2 | 1643.6 | 1639.1 | 1636.1 |
| 7° | 1631.5 | 1625.5 | 1623.9 | 1617.9 | 1617.9 |
| 8° | 1614.9 | 1607.3 | 1607.3 | 1599.7 | 1599.7 |
| 9° | 1601.2 | 1592.1 | 1592.1 | 1586.1 | 1583.0 |
| 10° | 1587.6 | 1578.5 | 1578.5 | 1570.9 | 1567.9 |
| 11° | 1574.0 | 1566.4 | 1563.4 | 1558.8 | 1557.3 |
| 12° | 1561.8 | 1551.2 | 1548.2 | 1546.7 | 1543.7 |
| 13° | 1546.7 | 1536.1 | 1533.1 | 1531.5 | 1530.0 |
| 14° | 1533.1 | 1519.4 | 1517.9 | 1514.9 | 1516.4 |
| 15° | 1517.9 | 1504.3 | 1501.2 | 1501.2 | 1499.7 |
| 17.5° | 1470.9 | 1461.9 | 1457.3 | 1454.3 | 1451.3 |
| 20° | 1414.9 | 1407.3 | 1404.3 | 1398.2 | 1395.2 |
| 22.5° | 1342.2 | 1340.7 | 1339.2 | 1331.6 | 1319.5 |
| 25° | 1263.4 | 1268.0 | 1272.5 | 1257.3 | 1248.3 |
| 27.5° | 1187.7 | 1199.8 | 1204.3 | 1189.2 | 1169.5 |
| 30° | 1108.9 | 1119.5 | 1128.6 | 1107.4 | 1086.2 |
| 32.5° | 995.3 | 1021.0 | 1034.7 | 1010.4 | 961.9 |
| 35° | 865.0 | 878.6 | 905.9 | 865.0 | 831.7 |
| 37.5° | 713.5 | 721.1 | 742.3 | 715.0 | 692.3 |
| 40° | 515.1 | 537.8 | 554.4 | 537.8 | 515.1 |
| 42.5° | 231.8 | 324.2 | 366.6 | 342.4 | 242.4 |
| 45° | 33.3 | 113.6 | 221.2 | 115.1 | 36.4 |
| 47.5° | 13.6 | 18.2 | 115.1 | 16.7 | 13.6 |
| 50° | 13.6 | 13.6 | 40.9 | 13.6 | 13.6 |
| 52.5° | 13.6 | 13.6 | 15.1 | 13.6 | 13.6 |
| 55° | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| 57.5° | 12.1 | 12.1 | 13.6 | 12.1 | 12.1 |
| 60° | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 |
| 62.5° | 10.6 | 12.1 | 12.1 | 12.1 | 10.6 |
| 65° | 9.1 | 10.6 | 10.6 | 10.6 | 9.1 |
| 67.5° | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 70° | 7.6 | 9.1 | 9.1 | 9.1 | 7.6 |
| 72.5° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 75° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 77.5° | 4.5 | 6.1 | 6.1 | 6.1 | 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 |



TEST NUMBER: P1315035
CATALOG NUMBER: LDSQA3D20R709730D010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)