

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: P1315680

Luminaire Tested: LDSQA3D13R559735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

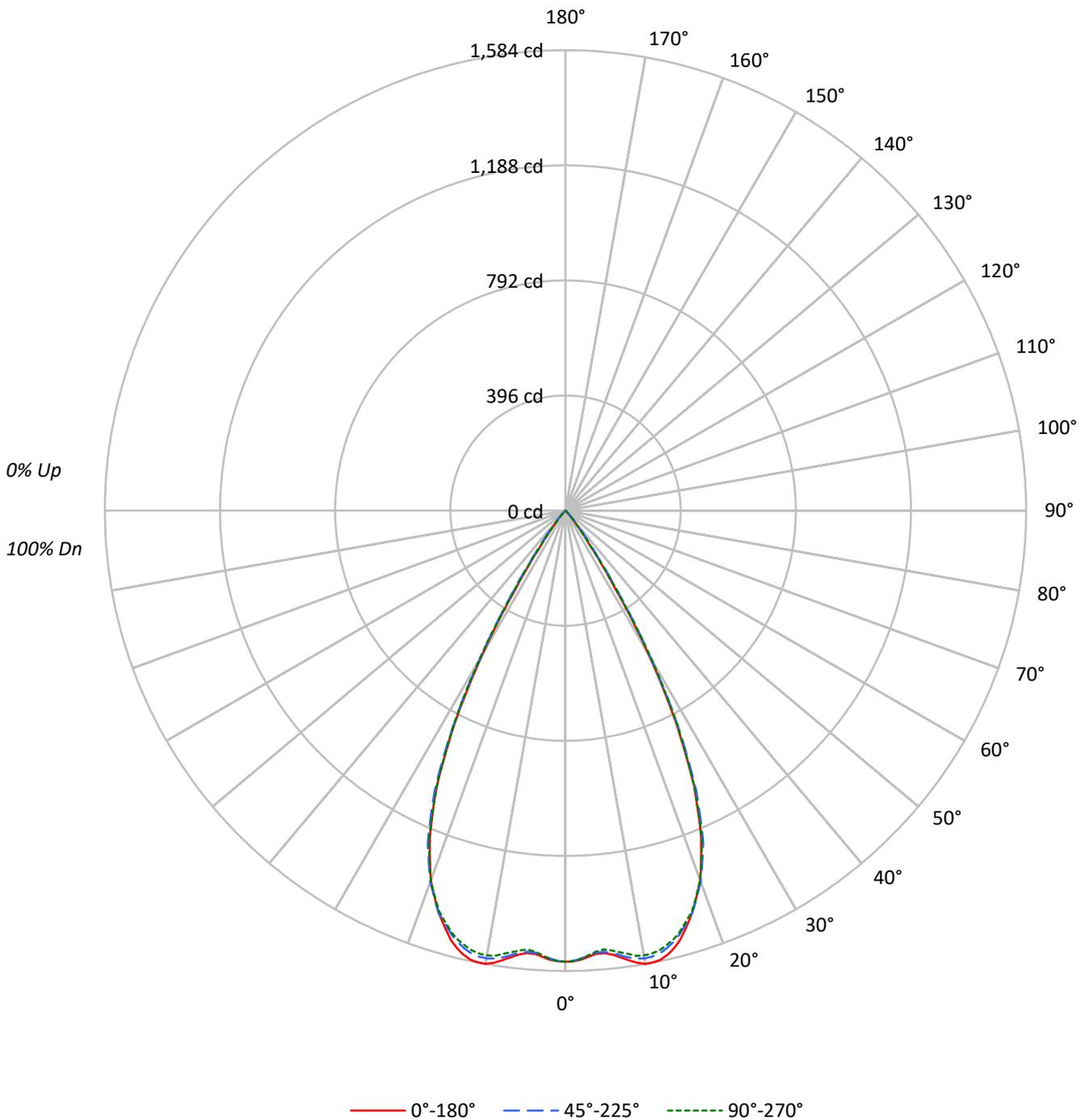
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1180.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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 | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 99 | 94 | 91 | 103 | 97 | 93 | 90 | 95 | 91 | 89 | 92 | 90 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 83 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 73 | 73 | 73 | 71 |
| 7 | 87 | 79 | 74 | 70 | 86 | 79 | 73 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 75 | 72 | 69 | 69 | 69 | 69 | 67 |
| 8 | 84 | 75 | 70 | 66 | 83 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 65 | 65 | 65 | 64 |
| 9 | 80 | 72 | 66 | 63 | 79 | 71 | 66 | 63 | 70 | 66 | 62 | 69 | 65 | 62 | 69 | 65 | 62 | 62 | 62 | 62 | 61 |
| 10 | 77 | 68 | 63 | 59 | 76 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 59 | 59 | 59 | 58 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 267307 | 267307 | 267307 |
| 5° | 264248 | 263470 | 262070 |
| 10° | 276974 | 273651 | 271745 |
| 15° | 272368 | 269462 | 268499 |
| 20° | 248100 | 249090 | 248265 |
| 25° | 199034 | 202131 | 199034 |
| 30° | 114248 | 117112 | 118027 |
| 35° | 32567 | 39253 | 33534 |
| 40° | 8341 | 12028 | 8566 |
| 45° | 877 | 4189 | 658 |
| 50° | 0 | 723 | 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: 4189 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 147.4 | 12.5 |
| 10°-20° | 420.5 | 35.6 |
| 20°-30° | 463.2 | 39.3 |
| 30°-40° | 138.3 | 11.7 |
| 40°-50° | 10.6 | 0.9 |
| 50°-60° | 0.1 | 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° | 1031.0 | 87.4 |
| 0°-40° | 1169.3 | 99.1 |
| 0°-60° | 1180.0 | 100.0 |
| 0°-90° | 1180.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1180.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1552 | 1552 | 1552 | 1552 | 1552 | |
| 5° | 1528 | 1526 | 1524 | 1518 | 1516 | 148 |
| 15° | 1528 | 1517 | 1511 | 1505 | 1506 | 423 |
| 25° | 1047 | 1047 | 1064 | 1062 | 1047 | 459 |
| 35° | 155 | 165 | 187 | 170 | 160 | 128 |
| 45° | 4 | 9 | 17 | 9 | 3 | 7 |
| 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: P1315680
 CATALOG NUMBER: LDSQA3D13R559735DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1552.1 | 1552.1 | 1552.1 | 1552.1 | 1552.1 |
| 1° | 1551.2 | 1551.2 | 1549.4 | 1548.5 | 1551.2 |
| 2° | 1546.7 | 1546.7 | 1542.1 | 1541.2 | 1544.0 |
| 3° | 1536.7 | 1535.8 | 1532.2 | 1529.5 | 1531.3 |
| 4° | 1528.5 | 1526.7 | 1524.0 | 1519.5 | 1520.4 |
| 5° | 1528.5 | 1525.8 | 1524.0 | 1517.7 | 1515.9 |
| 6° | 1535.8 | 1534.0 | 1530.4 | 1524.0 | 1522.2 |
| 7° | 1548.5 | 1544.9 | 1541.2 | 1533.1 | 1531.3 |
| 8° | 1562.1 | 1559.4 | 1552.1 | 1544.0 | 1540.3 |
| 9° | 1575.7 | 1569.3 | 1560.3 | 1552.1 | 1551.2 |
| 10° | 1583.8 | 1574.8 | 1564.8 | 1554.8 | 1553.9 |
| 11° | 1582.9 | 1574.8 | 1563.0 | 1553.9 | 1553.0 |
| 12° | 1579.3 | 1567.5 | 1557.5 | 1546.7 | 1547.6 |
| 13° | 1566.6 | 1555.7 | 1545.8 | 1537.6 | 1535.8 |
| 14° | 1549.4 | 1539.4 | 1530.4 | 1522.2 | 1523.1 |
| 15° | 1527.6 | 1516.8 | 1511.3 | 1505.0 | 1505.9 |
| 17.5° | 1450.6 | 1447.9 | 1450.6 | 1443.4 | 1446.1 |
| 20° | 1353.7 | 1351.0 | 1359.1 | 1355.5 | 1354.6 |
| 22.5° | 1218.7 | 1222.3 | 1237.7 | 1233.2 | 1225.0 |
| 25° | 1047.4 | 1047.4 | 1063.7 | 1061.9 | 1047.4 |
| 27.5° | 824.5 | 830.9 | 840.8 | 845.4 | 834.5 |
| 30° | 574.5 | 588.9 | 588.9 | 598.0 | 593.5 |
| 32.5° | 320.8 | 351.6 | 358.8 | 363.3 | 345.2 |
| 35° | 154.9 | 164.9 | 186.7 | 170.3 | 159.5 |
| 37.5° | 74.3 | 78.8 | 100.6 | 81.5 | 76.1 |
| 40° | 37.1 | 42.6 | 53.5 | 44.4 | 38.1 |
| 42.5° | 15.4 | 22.7 | 28.1 | 22.7 | 15.4 |
| 45° | 3.6 | 9.1 | 17.2 | 9.1 | 2.7 |
| 47.5° | 0.0 | 0.9 | 8.2 | 1.8 | 0.0 |
| 50° | 0.0 | 0.0 | 2.7 | 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)