

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: P1319291

Luminaire Tested: LDSQA3D13R559835DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319291
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: LDSQA3D13R559835DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

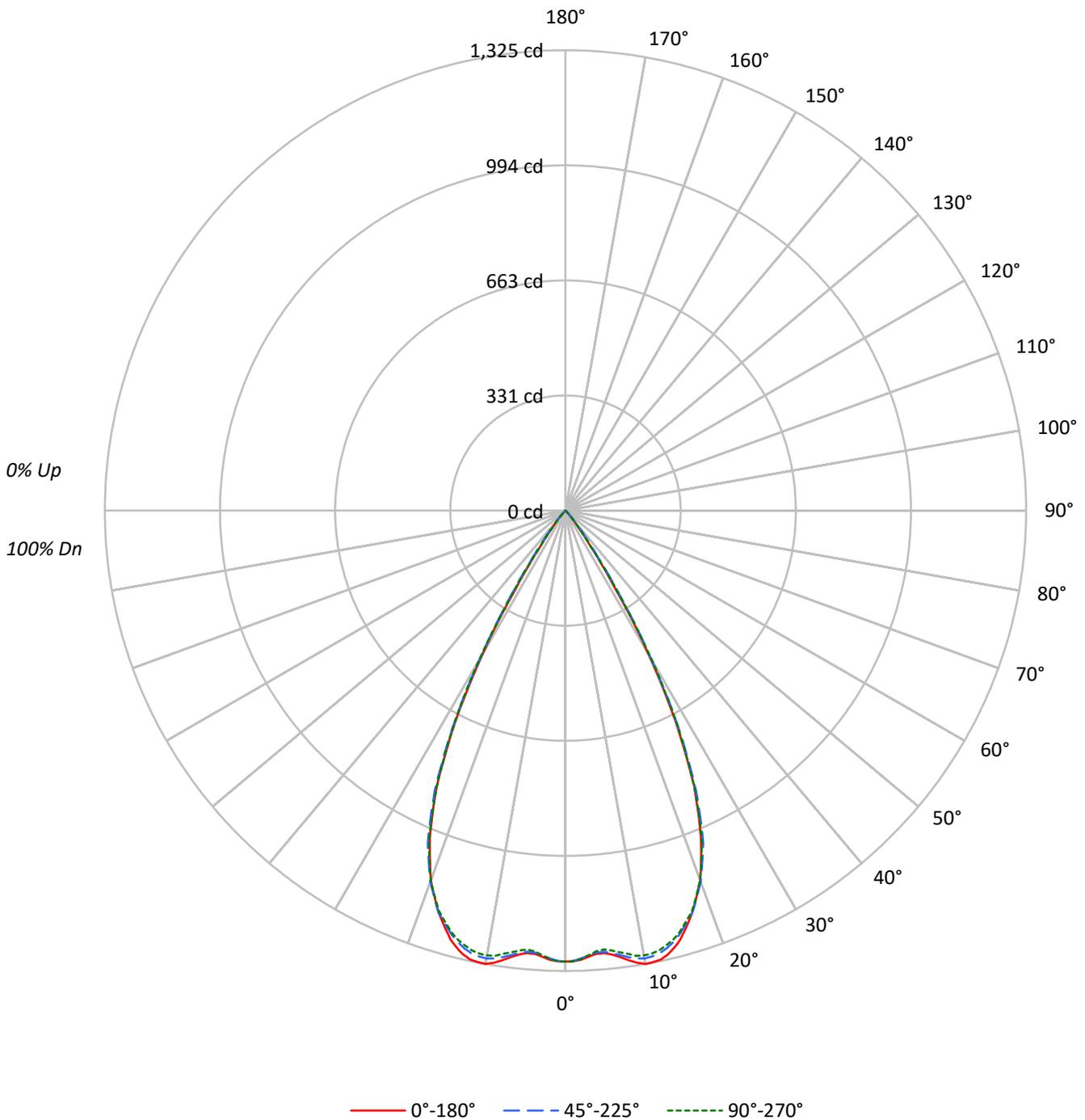
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 987.0 lumens
Efficiency: N/A
Efficacy: 68.1 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): 14.5
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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CATALOG NUMBER: LDSQA3D13R559835DE010 3LSQCDR1MB

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° | 223579 | 223579 | 223579 |
| 5° | 221028 | 220388 | 219195 |
| 10° | 231680 | 228900 | 227308 |
| 15° | 227829 | 225386 | 224584 |
| 20° | 207523 | 208348 | 207651 |
| 25° | 166482 | 169067 | 166482 |
| 30° | 95555 | 97961 | 98717 |
| 35° | 27248 | 32819 | 28047 |
| 40° | 6992 | 10049 | 7149 |
| 45° | 731 | 3507 | 560 |
| 50° | 0 | 616 | 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: 3507 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 123.3 | 12.5 |
| 10°-20° | 351.7 | 35.6 |
| 20°-30° | 387.4 | 39.3 |
| 30°-40° | 115.6 | 11.7 |
| 40°-50° | 8.9 | 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° | 862.4 | 87.4 |
| 0°-40° | 978.1 | 99.1 |
| 0°-60° | 987.0 | 100.0 |
| 0°-90° | 987.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 987.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1298 | 1298 | 1298 | 1298 | 1298 | |
| 5° | 1278 | 1276 | 1275 | 1269 | 1268 | 124 |
| 15° | 1278 | 1269 | 1264 | 1259 | 1260 | 354 |
| 25° | 876 | 876 | 890 | 888 | 876 | 384 |
| 35° | 130 | 138 | 156 | 142 | 133 | 107 |
| 45° | 3 | 8 | 14 | 8 | 2 | 6 |
| 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: P1319291
 CATALOG NUMBER: LDSQA3D13R559835DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1298.2 | 1298.2 | 1298.2 | 1298.2 | 1298.2 |
| 1° | 1297.5 | 1297.5 | 1296.0 | 1295.2 | 1297.5 |
| 2° | 1293.7 | 1293.7 | 1289.9 | 1289.2 | 1291.4 |
| 3° | 1285.4 | 1284.6 | 1281.6 | 1279.3 | 1280.8 |
| 4° | 1278.5 | 1277.0 | 1274.8 | 1271.0 | 1271.7 |
| 5° | 1278.5 | 1276.3 | 1274.8 | 1269.4 | 1267.9 |
| 6° | 1284.6 | 1283.1 | 1280.1 | 1274.8 | 1273.2 |
| 7° | 1295.2 | 1292.2 | 1289.2 | 1282.3 | 1280.8 |
| 8° | 1306.6 | 1304.3 | 1298.2 | 1291.4 | 1288.4 |
| 9° | 1318.0 | 1312.6 | 1305.1 | 1298.2 | 1297.5 |
| 10° | 1324.8 | 1317.2 | 1308.9 | 1300.5 | 1299.8 |
| 11° | 1324.0 | 1317.2 | 1307.3 | 1299.8 | 1299.0 |
| 12° | 1321.0 | 1311.1 | 1302.8 | 1293.7 | 1294.5 |
| 13° | 1310.4 | 1301.3 | 1292.9 | 1286.1 | 1284.6 |
| 14° | 1296.0 | 1287.6 | 1280.1 | 1273.2 | 1274.0 |
| 15° | 1277.8 | 1268.7 | 1264.1 | 1258.8 | 1259.6 |
| 17.5° | 1213.4 | 1211.1 | 1213.4 | 1207.3 | 1209.6 |
| 20° | 1132.3 | 1130.0 | 1136.8 | 1133.8 | 1133.0 |
| 22.5° | 1019.3 | 1022.4 | 1035.3 | 1031.5 | 1024.7 |
| 25° | 876.1 | 876.1 | 889.7 | 888.2 | 876.1 |
| 27.5° | 689.7 | 695.0 | 703.3 | 707.1 | 698.0 |
| 30° | 480.5 | 492.6 | 492.6 | 500.2 | 496.4 |
| 32.5° | 268.3 | 294.1 | 300.1 | 303.9 | 288.8 |
| 35° | 129.6 | 137.9 | 156.1 | 142.5 | 133.4 |
| 37.5° | 62.1 | 65.9 | 84.1 | 68.2 | 63.7 |
| 40° | 31.1 | 35.6 | 44.7 | 37.1 | 31.8 |
| 42.5° | 12.9 | 18.9 | 23.5 | 18.9 | 12.9 |
| 45° | 3.0 | 7.6 | 14.4 | 7.6 | 2.3 |
| 47.5° | 0.0 | 0.8 | 6.8 | 1.5 | 0.0 |
| 50° | 0.0 | 0.0 | 2.3 | 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)