

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: P1319184

Luminaire Tested: LDSQA3D13R159835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

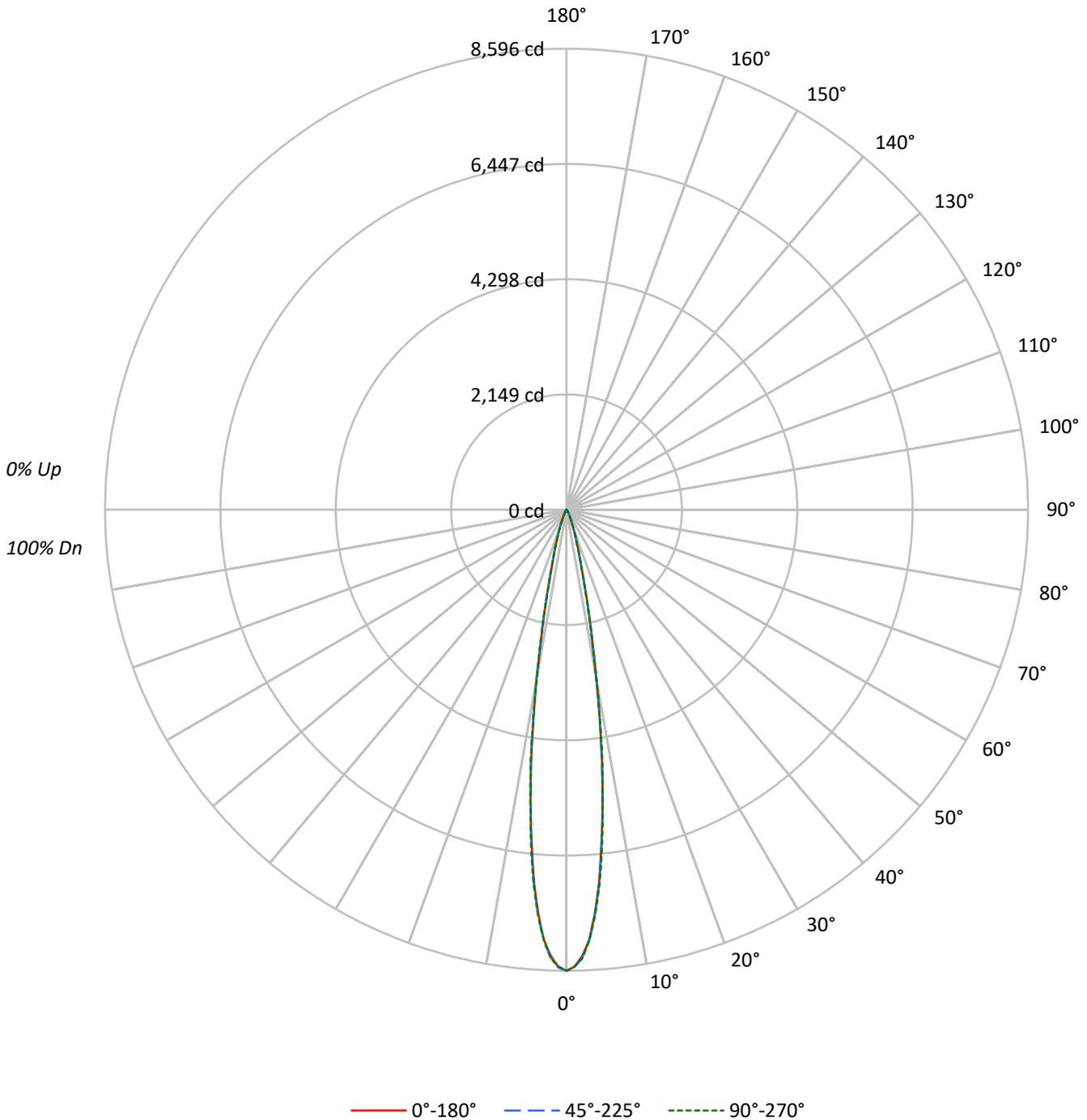
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 965.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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 (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





TEST NUMBER: P1319184

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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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 99 | 98 | 99 | 98 |
| 2 | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 99 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 104 | 102 | 99 | 102 | 100 | 98 | 100 | 98 | 96 | 98 | 96 | 95 | 98 | 96 | 95 | 94 |
| 4 | 107 | 102 | 99 | 97 | 106 | 101 | 98 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 5 | 105 | 100 | 96 | 94 | 103 | 99 | 96 | 93 | 97 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 91 | 95 | 93 | 91 | 90 |
| 6 | 102 | 97 | 94 | 91 | 101 | 97 | 93 | 91 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 88 |
| 7 | 100 | 95 | 92 | 89 | 99 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 89 | 88 | 92 | 89 | 88 | 87 |
| 8 | 98 | 93 | 90 | 87 | 98 | 93 | 89 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 88 | 86 | 90 | 88 | 86 | 85 |
| 9 | 97 | 91 | 88 | 86 | 96 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 87 | 85 | 89 | 86 | 85 | 89 | 86 | 85 | 84 |
| 10 | 95 | 89 | 86 | 84 | 94 | 89 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 84 | 87 | 85 | 83 | 87 | 85 | 83 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1480426 | 1480426 | 1480426 |
| 5° | 1203802 | 1207985 | 1212186 |
| 10° | 560629 | 561153 | 558110 |
| 15° | 173466 | 179671 | 176301 |
| 20° | 69150 | 73035 | 68325 |
| 25° | 28941 | 34129 | 27497 |
| 30° | 11753 | 15671 | 10858 |
| 35° | 3826 | 7169 | 3511 |
| 40° | 1371 | 2900 | 1371 |
| 45° | 560 | 926 | 560 |
| 50° | 402 | 616 | 402 |
| 55° | 450 | 450 | 450 |
| 60° | 517 | 517 | 517 |
| 65° | 326 | 326 | 326 |
| 70° | 403 | 403 | 403 |
| 75° | 532 | 532 | 532 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 926 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 538.1 | 55.8 |
| 10°-20° | 321.7 | 33.3 |
| 20°-30° | 81.9 | 8.5 |
| 30°-40° | 17.8 | 1.8 |
| 40°-50° | 2.9 | 0.3 |
| 50°-60° | 1.4 | 0.1 |
| 60°-70° | 0.9 | 0.1 |
| 70°-80° | 0.5 | 0.1 |
| 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° | 941.6 | 97.6 |
| 0°-40° | 959.4 | 99.4 |
| 0°-60° | 963.6 | 99.9 |
| 0°-90° | 965.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 965.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 8596 | 8596 | 8596 | 8596 | 8596 | |
| 5° | 6963 | 6973 | 6987 | 6956 | 7012 | 537 |
| 15° | 973 | 1000 | 1008 | 993 | 989 | 320 |
| 25° | 152 | 163 | 180 | 159 | 145 | 77 |
| 35° | 18 | 24 | 34 | 23 | 17 | 14 |
| 45° | 2 | 3 | 4 | 3 | 2 | 2 |
| 55° | 2 | 2 | 2 | 2 | 2 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1319184

CATALOG NUMBER: LDSQA3D13R159835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 8596.0 | 8596.0 | 8596.0 | 8596.0 | 8596.0 |
| 1° | 8521.0 | 8535.4 | 8537.6 | 8535.4 | 8523.2 |
| 2° | 8329.3 | 8371.7 | 8362.6 | 8344.4 | 8370.2 |
| 3° | 8033.0 | 8054.2 | 8051.2 | 8052.7 | 8046.7 |
| 4° | 7551.1 | 7588.3 | 7567.0 | 7583.0 | 7584.5 |
| 5° | 6963.2 | 6973.0 | 6987.4 | 6955.6 | 7011.7 |
| 6° | 6239.6 | 6302.5 | 6247.1 | 6301.7 | 6323.7 |
| 7° | 5503.9 | 5540.2 | 5469.8 | 5507.6 | 5530.4 |
| 8° | 4751.5 | 4687.8 | 4726.5 | 4727.2 | 4802.2 |
| 9° | 3939.2 | 3952.1 | 3984.7 | 3947.6 | 3980.1 |
| 10° | 3205.8 | 3235.3 | 3208.8 | 3195.9 | 3191.4 |
| 11° | 2531.4 | 2564.8 | 2562.5 | 2566.3 | 2541.3 |
| 12° | 2036.7 | 2019.2 | 2030.6 | 1993.5 | 2010.1 |
| 13° | 1585.1 | 1585.8 | 1576.8 | 1561.6 | 1548.0 |
| 14° | 1241.9 | 1234.3 | 1255.5 | 1236.5 | 1219.1 |
| 15° | 972.9 | 1000.1 | 1007.7 | 993.3 | 988.8 |
| 17.5° | 600.1 | 600.8 | 611.5 | 597.8 | 596.3 |
| 20° | 377.3 | 386.4 | 398.5 | 384.1 | 372.8 |
| 22.5° | 238.7 | 247.0 | 265.9 | 247.8 | 231.9 |
| 25° | 152.3 | 162.9 | 179.6 | 159.1 | 144.7 |
| 27.5° | 95.5 | 105.3 | 121.2 | 102.3 | 91.7 |
| 30° | 59.1 | 65.9 | 78.8 | 64.4 | 54.6 |
| 32.5° | 34.1 | 40.9 | 51.5 | 38.6 | 32.6 |
| 35° | 18.2 | 23.5 | 34.1 | 22.7 | 16.7 |
| 37.5° | 10.6 | 13.6 | 22.0 | 12.1 | 9.8 |
| 40° | 6.1 | 8.3 | 12.9 | 7.6 | 6.1 |
| 42.5° | 3.8 | 5.3 | 6.1 | 4.5 | 3.0 |
| 45° | 2.3 | 3.0 | 3.8 | 3.0 | 2.3 |
| 47.5° | 1.5 | 2.3 | 3.0 | 1.5 | 1.5 |
| 50° | 1.5 | 1.5 | 2.3 | 1.5 | 1.5 |
| 52.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 55° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 57.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 60° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 62.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 65° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 67.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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)