

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: P1319215

Luminaire Tested: LDSQA3D13R259835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

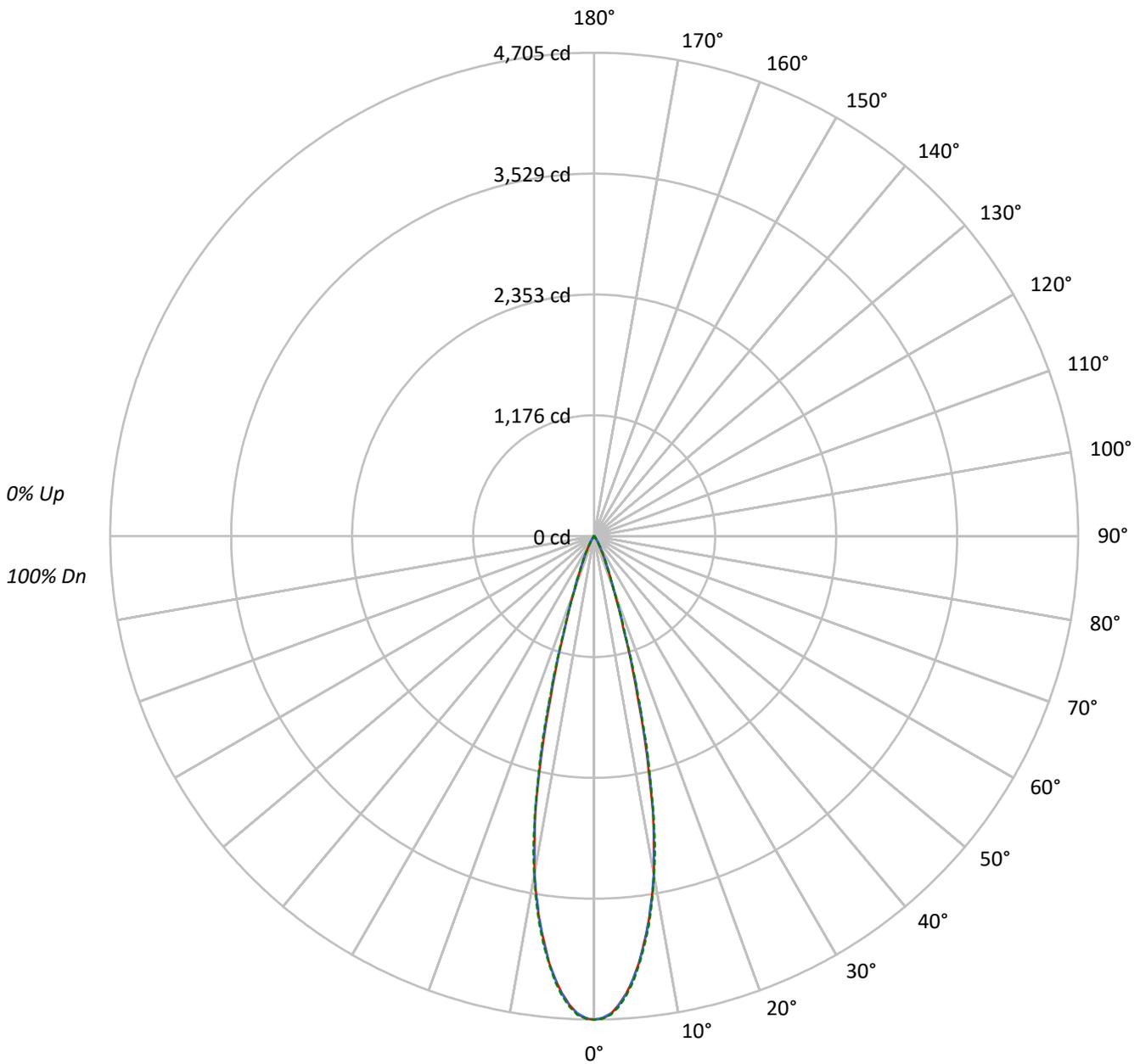
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
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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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1 | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 102 | 100 | 99 | 99 | 97 | 97 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 100 | 101 | 99 | 97 | 98 | 97 | 95 | 94 | 94 | 94 |
| 3 | 108 | 104 | 100 | 98 | 107 | 103 | 99 | 97 | 100 | 98 | 95 | 98 | 96 | 94 | 96 | 94 | 93 | 91 | 91 | 91 |
| 4 | 105 | 100 | 96 | 93 | 104 | 99 | 96 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 89 | 89 | 89 |
| 5 | 102 | 97 | 93 | 90 | 101 | 96 | 92 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 86 | 86 | 86 |
| 6 | 100 | 94 | 90 | 87 | 98 | 93 | 89 | 87 | 92 | 88 | 86 | 90 | 88 | 86 | 89 | 87 | 85 | 84 | 84 | 84 |
| 7 | 97 | 91 | 87 | 84 | 96 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 87 | 85 | 83 | 82 | 82 | 82 |
| 8 | 95 | 88 | 84 | 82 | 94 | 88 | 84 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 | 80 | 80 |
| 9 | 92 | 86 | 82 | 80 | 91 | 86 | 82 | 79 | 85 | 82 | 79 | 84 | 81 | 79 | 83 | 81 | 79 | 78 | 78 | 78 |
| 10 | 90 | 84 | 80 | 78 | 89 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 | 76 | 76 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 810342 | 810342 | 810342 |
| 5° | 748486 | 748227 | 752411 |
| 10° | 584674 | 583083 | 587070 |
| 15° | 294138 | 306423 | 306155 |
| 20° | 100637 | 103422 | 101755 |
| 25° | 40438 | 45492 | 42167 |
| 30° | 16426 | 19588 | 15969 |
| 35° | 4773 | 8599 | 4773 |
| 40° | 2203 | 3755 | 2203 |
| 45° | 731 | 1486 | 731 |
| 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 | 793 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1486 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 381.7 | 38.4 |
| 10°-20° | 467.2 | 47.0 |
| 20°-30° | 114.1 | 11.5 |
| 30°-40° | 23.6 | 2.4 |
| 40°-50° | 4.1 | 0.4 |
| 50°-60° | 1.4 | 0.1 |
| 60°-70° | 1.1 | 0.1 |
| 70°-80° | 0.8 | 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° | 963.1 | 96.9 |
| 0°-40° | 986.7 | 99.3 |
| 0°-60° | 992.2 | 99.8 |
| 0°-90° | 994.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 994.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4705 | 4705 | 4705 | 4705 | 4705 | |
| 5° | 4330 | 4333 | 4328 | 4337 | 4352 | 381 |
| 15° | 1650 | 1678 | 1719 | 1726 | 1717 | 461 |
| 25° | 213 | 223 | 239 | 226 | 222 | 109 |
| 35° | 23 | 32 | 41 | 31 | 23 | 19 |
| 45° | 3 | 4 | 6 | 4 | 3 | 3 |
| 55° | 2 | 2 | 2 | 2 | 2 | 1 |
| 65° | 1 | 2 | 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: P1319215

CATALOG NUMBER: LDSQA3D13R259835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 4705.2 | 4705.2 | 4705.2 | 4705.2 | 4705.2 |
| 1° | 4696.1 | 4690.1 | 4688.5 | 4689.3 | 4696.9 |
| 2° | 4653.7 | 4649.9 | 4649.2 | 4651.4 | 4662.0 |
| 3° | 4567.4 | 4571.9 | 4573.4 | 4581.0 | 4586.3 |
| 4° | 4461.3 | 4470.4 | 4466.6 | 4475.7 | 4481.8 |
| 5° | 4329.5 | 4333.3 | 4328.0 | 4337.1 | 4352.2 |
| 6° | 4175.8 | 4162.1 | 4175.0 | 4178.8 | 4189.4 |
| 7° | 3984.1 | 3987.2 | 3991.7 | 3996.2 | 4012.2 |
| 8° | 3795.5 | 3786.4 | 3784.2 | 3805.4 | 3818.2 |
| 9° | 3575.1 | 3576.6 | 3568.3 | 3592.5 | 3596.3 |
| 10° | 3343.3 | 3324.4 | 3334.2 | 3353.2 | 3357.0 |
| 11° | 3037.3 | 3032.0 | 3046.4 | 3076.0 | 3099.4 |
| 12° | 2750.3 | 2753.3 | 2768.4 | 2778.3 | 2773.0 |
| 13° | 2370.8 | 2393.5 | 2412.4 | 2422.3 | 2409.4 |
| 14° | 2027.7 | 2027.7 | 2051.9 | 2055.7 | 2101.9 |
| 15° | 1649.7 | 1677.7 | 1718.6 | 1726.2 | 1717.1 |
| 17.5° | 952.9 | 956.6 | 976.3 | 975.6 | 990.0 |
| 20° | 549.1 | 554.4 | 564.3 | 562.0 | 555.2 |
| 22.5° | 330.2 | 341.6 | 365.1 | 346.1 | 340.8 |
| 25° | 212.8 | 222.7 | 239.4 | 225.7 | 221.9 |
| 27.5° | 133.3 | 140.1 | 153.0 | 140.9 | 134.8 |
| 30° | 82.6 | 86.3 | 98.5 | 87.1 | 80.3 |
| 32.5° | 44.7 | 54.5 | 64.4 | 54.5 | 44.7 |
| 35° | 22.7 | 31.8 | 40.9 | 31.1 | 22.7 |
| 37.5° | 15.1 | 18.2 | 26.5 | 17.4 | 15.1 |
| 40° | 9.8 | 12.1 | 16.7 | 12.1 | 9.8 |
| 42.5° | 5.3 | 7.6 | 9.1 | 8.3 | 5.3 |
| 45° | 3.0 | 4.5 | 6.1 | 4.5 | 3.0 |
| 47.5° | 2.3 | 2.3 | 3.8 | 2.3 | 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° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 65° | 0.8 | 1.5 | 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° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.0 | 0.0 | 0.8 | 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)