

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: P1315740

Luminaire Tested: LDSQA3D17R209735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209735DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

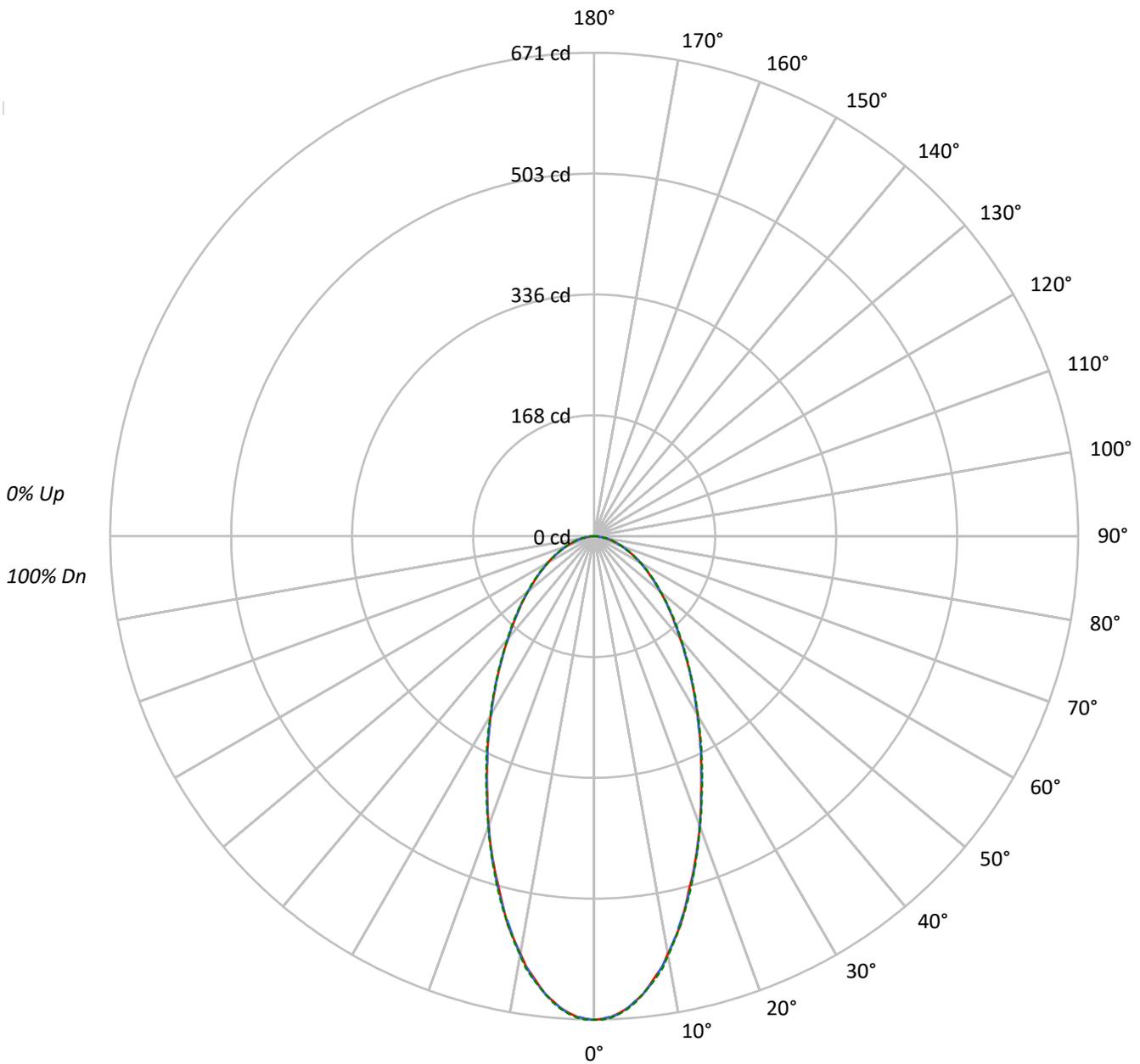
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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



— 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 | 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 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 90 | 90 | 88 |
| 2 | 103 | 96 | 91 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 79 | 79 | 79 | 77 |
| 3 | 96 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 72 | 77 | 74 | 70 | 70 | 70 | 70 | 68 |
| 4 | 89 | 79 | 71 | 66 | 87 | 78 | 71 | 65 | 75 | 69 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 58 | 69 | 63 | 58 | 67 | 62 | 57 | 65 | 61 | 57 | 57 | 57 | 57 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 52 | 52 | 52 | 50 |
| 7 | 73 | 61 | 54 | 48 | 71 | 60 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 56 | 51 | 47 | 47 | 47 | 47 | 45 |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 43 | 43 | 43 | 42 |
| 9 | 65 | 53 | 46 | 41 | 63 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 49 | 44 | 40 | 40 | 40 | 40 | 39 |
| 10 | 61 | 50 | 43 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 46 | 41 | 37 | 37 | 37 | 37 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 115613 | 115613 | 115613 |
| 5° | 112130 | 112130 | 112338 |
| 10° | 102934 | 103144 | 103354 |
| 15° | 90629 | 91057 | 91271 |
| 20° | 78442 | 78442 | 78662 |
| 25° | 66756 | 66756 | 67212 |
| 30° | 56975 | 56736 | 57214 |
| 35° | 48651 | 48651 | 48903 |
| 40° | 41772 | 41772 | 42041 |
| 45° | 36510 | 36510 | 36802 |
| 50° | 32125 | 32125 | 32125 |
| 55° | 28435 | 28435 | 28795 |
| 60° | 25592 | 25592 | 25592 |
| 65° | 22943 | 22943 | 22943 |
| 70° | 20545 | 20545 | 20545 |
| 75° | 18366 | 17567 | 18366 |
| 80° | 15472 | 15472 | 15472 |
| 85° | 9485 | 9485 | 11856 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 36802 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 60.0 | 7.5 |
| 10°-20° | 142.1 | 17.7 |
| 20°-30° | 161.9 | 20.2 |
| 30°-40° | 145.3 | 18.1 |
| 40°-50° | 116.5 | 14.5 |
| 50°-60° | 85.5 | 10.7 |
| 60°-70° | 55.9 | 7.0 |
| 70°-80° | 29.0 | 3.6 |
| 80°-90° | 6.7 | 0.8 |
| 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° | 364.0 | 45.3 |
| 0°-40° | 509.3 | 63.4 |
| 0°-60° | 711.3 | 88.6 |
| 0°-90° | 803.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 803.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 671 | 671 | 671 | 671 | 671 | |
| 5° | 649 | 649 | 649 | 649 | 650 | 60 |
| 15° | 508 | 508 | 511 | 511 | 512 | 142 |
| 25° | 351 | 351 | 351 | 352 | 354 | 162 |
| 35° | 231 | 231 | 231 | 231 | 233 | 145 |
| 45° | 150 | 150 | 150 | 150 | 151 | 116 |
| 55° | 95 | 95 | 95 | 95 | 96 | 85 |
| 65° | 56 | 55 | 56 | 56 | 56 | 56 |
| 75° | 28 | 26 | 26 | 28 | 28 | 29 |
| 85° | 5 | 5 | 5 | 6 | 6 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315740

CATALOG NUMBER: LDSQA3D17R209735DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 671.3 | 671.3 | 671.3 | 671.3 | 671.3 |
| 1° | 670.1 | 668.9 | 670.1 | 670.1 | 671.3 |
| 2° | 667.7 | 667.7 | 667.7 | 666.5 | 668.9 |
| 3° | 663.0 | 663.0 | 664.2 | 663.0 | 664.2 |
| 4° | 657.0 | 657.0 | 657.0 | 655.8 | 658.2 |
| 5° | 648.6 | 648.6 | 648.6 | 648.6 | 649.8 |
| 6° | 640.2 | 639.0 | 640.2 | 639.0 | 640.2 |
| 7° | 628.2 | 628.2 | 629.4 | 628.2 | 629.4 |
| 8° | 616.2 | 615.0 | 617.4 | 616.2 | 618.6 |
| 9° | 604.2 | 603.0 | 604.2 | 603.0 | 606.6 |
| 10° | 588.6 | 589.8 | 589.8 | 589.8 | 591.0 |
| 12.5° | 552.7 | 550.3 | 550.3 | 550.3 | 552.7 |
| 15° | 508.3 | 508.3 | 510.7 | 510.7 | 511.9 |
| 17.5° | 468.7 | 467.5 | 469.9 | 469.9 | 469.9 |
| 20° | 428.0 | 426.8 | 428.0 | 428.0 | 429.2 |
| 22.5° | 387.2 | 388.4 | 388.4 | 388.4 | 389.6 |
| 25° | 351.3 | 351.3 | 351.3 | 352.5 | 353.7 |
| 27.5° | 317.7 | 316.5 | 317.7 | 318.9 | 320.1 |
| 30° | 286.5 | 285.3 | 285.3 | 286.5 | 287.7 |
| 32.5° | 257.7 | 256.5 | 257.7 | 257.7 | 258.9 |
| 35° | 231.4 | 231.4 | 231.4 | 231.4 | 232.6 |
| 37.5° | 207.4 | 207.4 | 207.4 | 208.6 | 208.6 |
| 40° | 185.8 | 185.8 | 185.8 | 187.0 | 187.0 |
| 42.5° | 166.6 | 166.6 | 166.6 | 167.8 | 169.0 |
| 45° | 149.9 | 149.9 | 149.9 | 149.9 | 151.1 |
| 47.5° | 134.3 | 134.3 | 134.3 | 135.5 | 135.5 |
| 50° | 119.9 | 118.7 | 119.9 | 121.1 | 119.9 |
| 52.5° | 106.7 | 106.7 | 106.7 | 106.7 | 107.9 |
| 55° | 94.7 | 94.7 | 94.7 | 94.7 | 95.9 |
| 57.5° | 83.9 | 83.9 | 83.9 | 85.1 | 85.1 |
| 60° | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 62.5° | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| 65° | 56.3 | 55.1 | 56.3 | 56.3 | 56.3 |
| 67.5° | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 70° | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| 72.5° | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 75° | 27.6 | 26.4 | 26.4 | 27.6 | 27.6 |
| 77.5° | 21.6 | 20.4 | 21.6 | 21.6 | 21.6 |
| 80° | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 |
| 82.5° | 9.6 | 9.6 | 9.6 | 10.8 | 10.8 |
| 85° | 4.8 | 4.8 | 4.8 | 6.0 | 6.0 |
| 87.5° | 1.2 | 1.2 | 1.2 | 2.4 | 2.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)