

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: P1311629

Luminaire Tested: LDSQA3D17R259040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

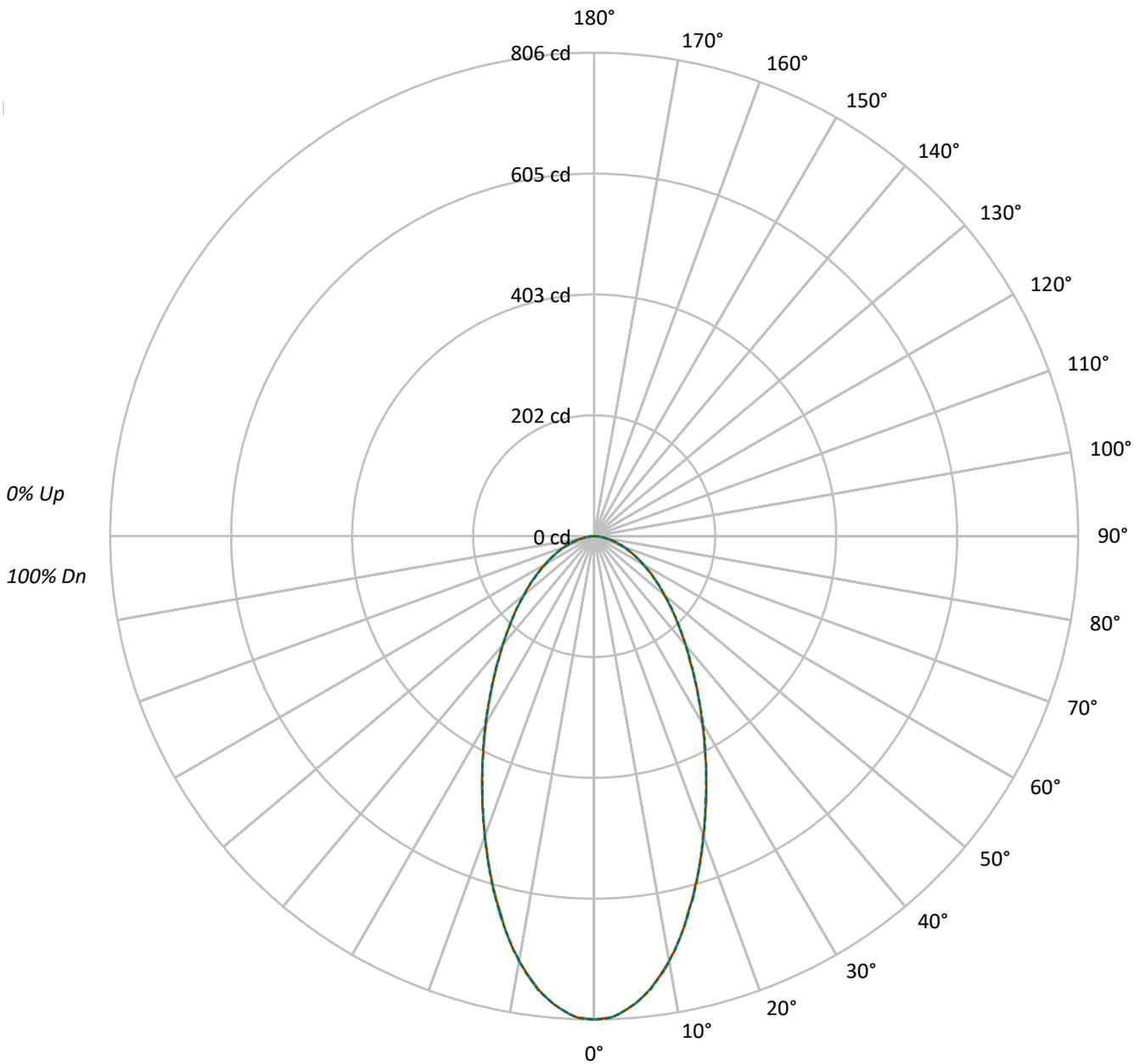
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1009.0 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
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 (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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 |
| 4 | 89 | 79 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 68 | 63 | 71 | 66 | 63 | 61 |
| 5 | 83 | 72 | 64 | 58 | 81 | 71 | 64 | 58 | 69 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 56 | 55 |
| 6 | 77 | 66 | 58 | 53 | 76 | 65 | 58 | 52 | 63 | 57 | 52 | 62 | 56 | 52 | 60 | 55 | 51 | 49 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 138794 | 138794 | 138794 |
| 5° | 135262 | 135262 | 135262 |
| 10° | 125686 | 125931 | 125686 |
| 15° | 112096 | 112346 | 112346 |
| 20° | 97448 | 97704 | 97448 |
| 25° | 83935 | 83688 | 83688 |
| 30° | 71592 | 71870 | 72148 |
| 35° | 61434 | 61434 | 61728 |
| 40° | 53238 | 53238 | 53238 |
| 45° | 46544 | 46544 | 46544 |
| 50° | 40806 | 40806 | 41181 |
| 55° | 36602 | 36602 | 36602 |
| 60° | 32447 | 32447 | 32447 |
| 65° | 29341 | 29341 | 29341 |
| 70° | 26486 | 25782 | 26486 |
| 75° | 23955 | 23023 | 23023 |
| 80° | 19241 | 19241 | 19241 |
| 85° | 13635 | 13635 | 13635 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 46544 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.7 | 7.2 |
| 10°-20° | 175.4 | 17.4 |
| 20°-30° | 202.7 | 20.1 |
| 30°-40° | 183.8 | 18.2 |
| 40°-50° | 148.1 | 14.7 |
| 50°-60° | 109.1 | 10.8 |
| 60°-70° | 71.8 | 7.1 |
| 70°-80° | 37.0 | 3.7 |
| 80°-90° | 8.4 | 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° | 450.8 | 44.7 |
| 0°-40° | 634.6 | 62.9 |
| 0°-60° | 891.8 | 88.4 |
| 0°-90° | 1009.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1009.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 806 | 806 | 806 | 806 | 806 | |
| 5° | 782 | 785 | 782 | 782 | 782 | 73 |
| 15° | 629 | 630 | 630 | 629 | 630 | 175 |
| 25° | 442 | 440 | 440 | 442 | 440 | 203 |
| 35° | 292 | 292 | 292 | 292 | 294 | 183 |
| 45° | 191 | 191 | 191 | 191 | 191 | 148 |
| 55° | 122 | 122 | 122 | 120 | 122 | 109 |
| 65° | 72 | 72 | 72 | 72 | 72 | 72 |
| 75° | 36 | 35 | 35 | 35 | 35 | 38 |
| 85° | 7 | 7 | 7 | 7 | 7 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311629

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 805.9 | 805.9 | 805.9 | 805.9 | 805.9 |
| 1° | 804.5 | 807.3 | 804.5 | 804.5 | 805.9 |
| 2° | 803.2 | 804.5 | 803.2 | 803.2 | 803.2 |
| 3° | 797.6 | 800.4 | 797.6 | 797.6 | 797.6 |
| 4° | 790.7 | 793.5 | 790.7 | 790.7 | 790.7 |
| 5° | 782.4 | 785.2 | 782.4 | 782.4 | 782.4 |
| 6° | 772.7 | 774.1 | 772.7 | 772.7 | 772.7 |
| 7° | 761.6 | 763.0 | 761.6 | 761.6 | 763.0 |
| 8° | 747.8 | 749.2 | 749.2 | 747.8 | 747.8 |
| 9° | 733.9 | 735.3 | 735.3 | 733.9 | 735.3 |
| 10° | 718.7 | 720.1 | 720.1 | 718.7 | 718.7 |
| 11° | 703.5 | 704.8 | 702.1 | 702.1 | 703.5 |
| 12° | 685.5 | 686.8 | 685.5 | 685.5 | 685.5 |
| 13° | 667.5 | 667.5 | 667.5 | 667.5 | 667.5 |
| 14° | 646.7 | 649.4 | 649.4 | 648.1 | 646.7 |
| 15° | 628.7 | 630.1 | 630.1 | 628.7 | 630.1 |
| 17.5° | 580.2 | 583.0 | 581.6 | 581.6 | 581.6 |
| 20° | 531.7 | 533.1 | 533.1 | 531.7 | 531.7 |
| 22.5° | 486.0 | 484.7 | 484.7 | 484.7 | 484.7 |
| 25° | 441.7 | 440.4 | 440.4 | 441.7 | 440.4 |
| 27.5° | 398.8 | 400.2 | 400.2 | 398.8 | 400.2 |
| 30° | 360.0 | 360.0 | 361.4 | 360.0 | 362.8 |
| 32.5° | 325.4 | 325.4 | 324.0 | 325.4 | 325.4 |
| 35° | 292.2 | 292.2 | 292.2 | 292.2 | 293.6 |
| 37.5° | 261.7 | 263.1 | 264.5 | 264.5 | 263.1 |
| 40° | 236.8 | 236.8 | 236.8 | 236.8 | 236.8 |
| 42.5° | 211.9 | 211.9 | 213.3 | 213.3 | 213.3 |
| 45° | 191.1 | 191.1 | 191.1 | 191.1 | 191.1 |
| 47.5° | 171.7 | 171.7 | 170.3 | 170.3 | 171.7 |
| 50° | 152.3 | 153.7 | 152.3 | 152.3 | 153.7 |
| 52.5° | 137.1 | 135.7 | 135.7 | 137.1 | 137.1 |
| 55° | 121.9 | 121.9 | 121.9 | 120.5 | 121.9 |
| 57.5° | 108.0 | 108.0 | 106.6 | 106.6 | 106.6 |
| 60° | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 62.5° | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 65° | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 67.5° | 62.3 | 62.3 | 62.3 | 62.3 | 60.9 |
| 70° | 52.6 | 52.6 | 51.2 | 51.2 | 52.6 |
| 72.5° | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| 75° | 36.0 | 34.6 | 34.6 | 34.6 | 34.6 |
| 77.5° | 27.7 | 27.7 | 26.3 | 27.7 | 26.3 |
| 80° | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 |
| 82.5° | 13.8 | 12.5 | 12.5 | 12.5 | 12.5 |
| 85° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 87.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 |



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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)