

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: P1319077

Luminaire Tested: LDSQA3D09R259835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

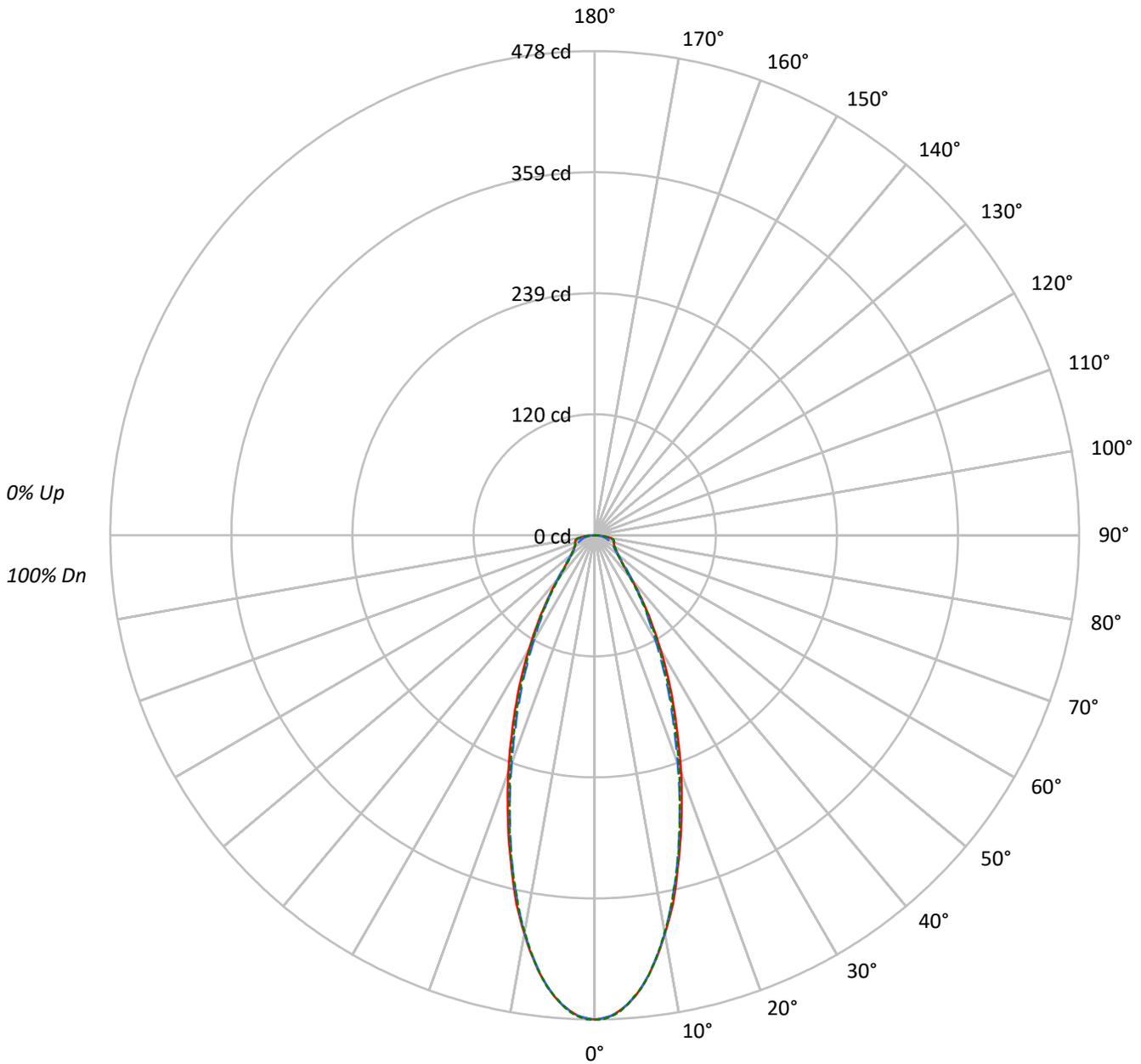
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 93 | 89 | 85 | 89 | 86 | 83 | 87 | 84 | 81 | 81 | 81 | 80 |
| 3 | 98 | 90 | 83 | 78 | 95 | 88 | 82 | 78 | 85 | 80 | 76 | 83 | 79 | 75 | 80 | 77 | 74 | 74 | 74 | 72 |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 68 | 68 | 66 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 64 | 74 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 63 | 63 | 61 |
| 6 | 82 | 72 | 65 | 60 | 80 | 71 | 64 | 59 | 69 | 63 | 59 | 68 | 62 | 59 | 66 | 62 | 58 | 58 | 58 | 56 |
| 7 | 78 | 67 | 60 | 55 | 76 | 66 | 60 | 55 | 65 | 59 | 55 | 64 | 58 | 55 | 62 | 58 | 54 | 54 | 54 | 53 |
| 8 | 74 | 63 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 51 | 51 | 49 |
| 9 | 70 | 60 | 53 | 49 | 69 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 48 | 48 | 46 |
| 10 | 67 | 56 | 50 | 46 | 66 | 56 | 50 | 46 | 55 | 49 | 46 | 54 | 49 | 45 | 53 | 49 | 45 | 45 | 45 | 44 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 82322 | 82322 | 82322 |
| 5° | 78989 | 78885 | 78885 |
| 10° | 69829 | 69724 | 69532 |
| 15° | 57662 | 56859 | 57162 |
| 20° | 45691 | 43803 | 44536 |
| 25° | 34794 | 32951 | 33825 |
| 30° | 25634 | 23824 | 24838 |
| 35° | 18354 | 17513 | 17745 |
| 40° | 12567 | 12815 | 12185 |
| 45° | 9304 | 9864 | 9158 |
| 50° | 8092 | 8092 | 7958 |
| 55° | 7717 | 7356 | 7717 |
| 60° | 7853 | 7268 | 7853 |
| 65° | 8599 | 7457 | 8599 |
| 70° | 10323 | 7452 | 10071 |
| 75° | 12909 | 7985 | 12909 |
| 80° | 16365 | 8529 | 15274 |
| 85° | 13437 | 7904 | 13437 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16365 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 41.7 | 11.6 |
| 10°-20° | 88.6 | 24.6 |
| 20°-30° | 81.2 | 22.5 |
| 30°-40° | 53.6 | 14.8 |
| 40°-50° | 31.2 | 8.6 |
| 50°-60° | 22.8 | 6.3 |
| 60°-70° | 19.3 | 5.4 |
| 70°-80° | 16.0 | 4.4 |
| 80°-90° | 6.6 | 1.8 |
| 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° | 211.6 | 58.6 |
| 0°-40° | 265.1 | 73.4 |
| 0°-60° | 319.1 | 88.4 |
| 0°-90° | 361.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 361.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 478 | 478 | 478 | 478 | 478 | |
| 5° | 457 | 456 | 456 | 457 | 456 | 42 |
| 15° | 323 | 322 | 319 | 320 | 321 | 90 |
| 25° | 183 | 178 | 173 | 174 | 178 | 84 |
| 35° | 87 | 86 | 83 | 83 | 84 | 55 |
| 45° | 38 | 39 | 40 | 38 | 38 | 31 |
| 55° | 26 | 26 | 24 | 25 | 26 | 23 |
| 65° | 21 | 19 | 18 | 19 | 21 | 21 |
| 75° | 19 | 15 | 12 | 15 | 19 | 20 |
| 85° | 7 | 7 | 4 | 7 | 7 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1319077

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 478.0 | 478.0 | 478.0 | 478.0 | 478.0 |
| 1° | 476.9 | 476.9 | 476.9 | 476.9 | 478.0 |
| 2° | 474.6 | 474.0 | 474.6 | 474.6 | 475.1 |
| 3° | 470.0 | 470.0 | 470.0 | 470.0 | 471.1 |
| 4° | 464.3 | 464.3 | 464.3 | 464.3 | 464.3 |
| 5° | 456.9 | 456.3 | 456.3 | 456.9 | 456.3 |
| 6° | 447.8 | 447.8 | 447.8 | 447.8 | 448.3 |
| 7° | 437.5 | 436.9 | 436.9 | 436.4 | 437.5 |
| 8° | 425.5 | 425.5 | 424.9 | 424.4 | 425.5 |
| 9° | 413.0 | 413.5 | 412.4 | 411.8 | 411.8 |
| 10° | 399.3 | 398.7 | 398.7 | 398.7 | 397.6 |
| 11° | 385.6 | 383.9 | 383.3 | 383.3 | 384.4 |
| 12° | 371.9 | 369.0 | 367.9 | 367.9 | 367.9 |
| 13° | 355.4 | 354.2 | 352.5 | 351.4 | 351.9 |
| 14° | 338.8 | 338.8 | 336.0 | 336.0 | 337.1 |
| 15° | 323.4 | 322.3 | 318.9 | 320.0 | 320.6 |
| 17.5° | 285.2 | 282.9 | 278.9 | 278.9 | 279.5 |
| 20° | 249.3 | 245.3 | 239.0 | 241.8 | 243.0 |
| 22.5° | 213.9 | 209.9 | 203.6 | 206.5 | 207.6 |
| 25° | 183.1 | 178.0 | 173.4 | 174.0 | 178.0 |
| 27.5° | 155.1 | 149.4 | 144.9 | 146.6 | 148.9 |
| 30° | 128.9 | 125.5 | 119.8 | 122.6 | 124.9 |
| 32.5° | 106.7 | 103.8 | 99.8 | 101.5 | 103.8 |
| 35° | 87.3 | 85.6 | 83.3 | 83.3 | 84.4 |
| 37.5° | 70.7 | 70.2 | 69.0 | 68.4 | 67.9 |
| 40° | 55.9 | 57.0 | 57.0 | 55.9 | 54.2 |
| 42.5° | 45.6 | 46.8 | 47.9 | 45.6 | 43.9 |
| 45° | 38.2 | 39.4 | 40.5 | 38.2 | 37.6 |
| 47.5° | 33.7 | 34.2 | 34.8 | 33.7 | 33.1 |
| 50° | 30.2 | 30.2 | 30.2 | 29.7 | 29.7 |
| 52.5° | 27.9 | 27.4 | 26.8 | 27.4 | 27.4 |
| 55° | 25.7 | 25.7 | 24.5 | 25.1 | 25.7 |
| 57.5° | 24.0 | 23.4 | 22.8 | 23.4 | 24.0 |
| 60° | 22.8 | 21.7 | 21.1 | 21.7 | 22.8 |
| 62.5° | 21.7 | 20.5 | 19.4 | 20.5 | 21.7 |
| 65° | 21.1 | 19.4 | 18.3 | 19.4 | 21.1 |
| 67.5° | 20.5 | 18.3 | 16.5 | 18.3 | 20.5 |
| 70° | 20.5 | 17.1 | 14.8 | 17.1 | 20.0 |
| 72.5° | 20.0 | 16.0 | 13.7 | 16.0 | 20.0 |
| 75° | 19.4 | 14.8 | 12.0 | 14.8 | 19.4 |
| 77.5° | 18.8 | 13.7 | 10.3 | 13.7 | 18.3 |
| 80° | 16.5 | 12.5 | 8.6 | 12.5 | 15.4 |
| 82.5° | 12.0 | 10.3 | 6.8 | 10.3 | 11.4 |
| 85° | 6.8 | 7.4 | 4.0 | 7.4 | 6.8 |
| 87.5° | 1.1 | 1.7 | 1.1 | 2.9 | 2.3 |



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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)