

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: P1314505

Luminaire Tested: LDSQA3D09R359730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359730DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

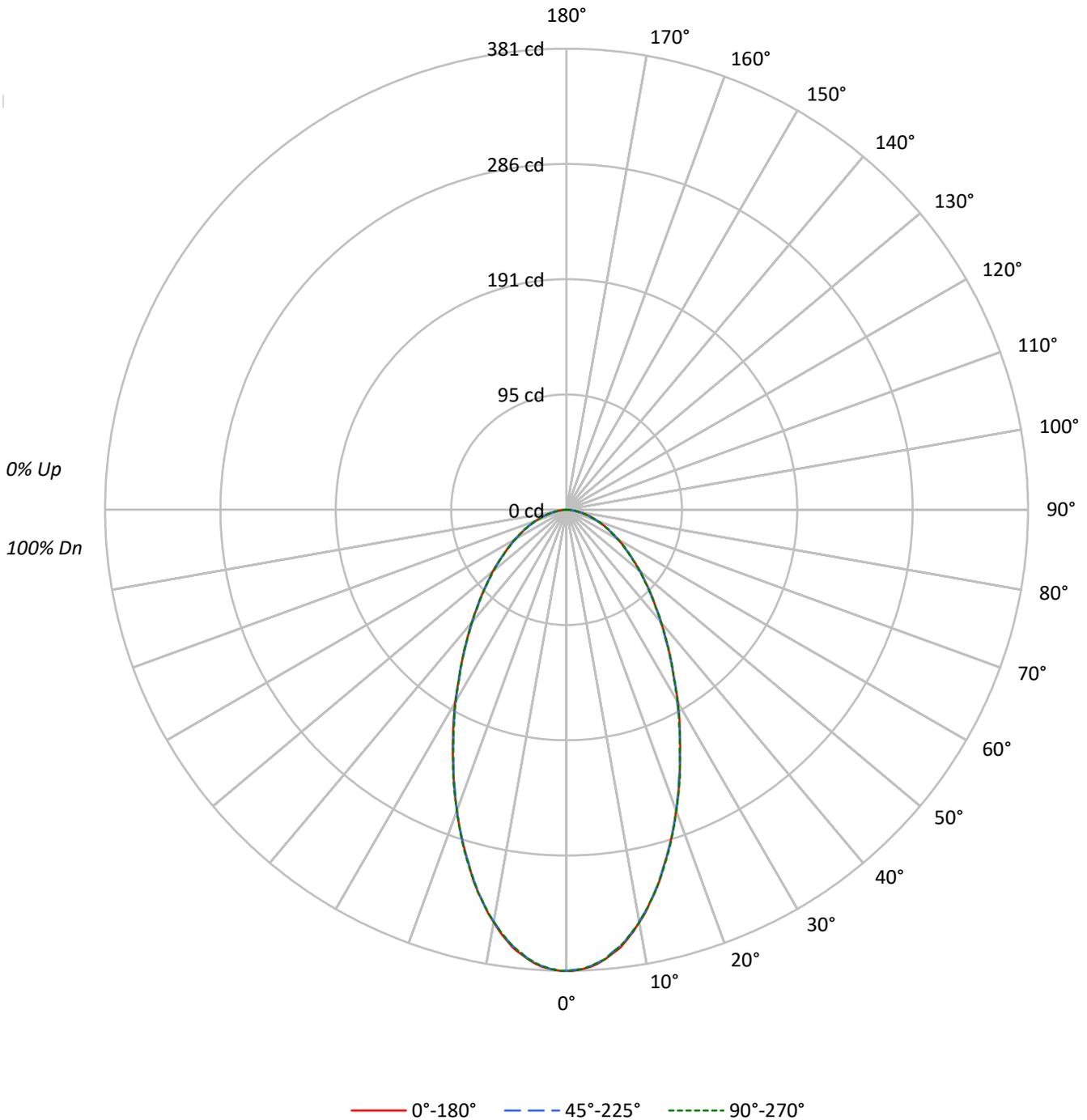
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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





TEST NUMBER: P1314505

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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 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 93 | 91 | 90 | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 84 | 81 | 79 | 77 |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 77 | 73 | 70 | 68 |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 60 |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 65 | 60 | 56 | 54 |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 44 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 52 | 46 | 42 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 38 |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 45 | 40 | 36 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 65617 | 65617 | 65617 |
| 5° | 64398 | 64277 | 64398 |
| 10° | 60543 | 60421 | 60543 |
| 15° | 54809 | 54809 | 54934 |
| 20° | 48513 | 48513 | 48513 |
| 25° | 42186 | 42072 | 42072 |
| 30° | 36571 | 36313 | 36452 |
| 35° | 31495 | 31348 | 31495 |
| 40° | 27316 | 27181 | 27316 |
| 45° | 23991 | 23844 | 23844 |
| 50° | 21301 | 21113 | 21113 |
| 55° | 18736 | 18736 | 18736 |
| 60° | 16981 | 16740 | 16981 |
| 65° | 15241 | 15241 | 15241 |
| 70° | 13545 | 13545 | 13545 |
| 75° | 12244 | 11778 | 12244 |
| 80° | 10414 | 10414 | 10414 |
| 85° | 6521 | 6521 | 6521 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23991 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.7 | 6.8 |
| 10°-20° | 85.8 | 16.8 |
| 20°-30° | 101.9 | 20.0 |
| 30°-40° | 93.6 | 18.4 |
| 40°-50° | 76.0 | 14.9 |
| 50°-60° | 56.3 | 11.1 |
| 60°-70° | 37.2 | 7.3 |
| 70°-80° | 19.3 | 3.8 |
| 80°-90° | 4.3 | 0.9 |
| 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° | 222.3 | 43.7 |
| 0°-40° | 316.0 | 62.1 |
| 0°-60° | 448.2 | 88.1 |
| 0°-90° | 509.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 509.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 381 | 381 | 381 | 381 | 381 | |
| 5° | 372 | 372 | 372 | 372 | 372 | 35 |
| 15° | 307 | 307 | 307 | 307 | 308 | 86 |
| 25° | 222 | 221 | 221 | 222 | 221 | 102 |
| 35° | 150 | 149 | 149 | 150 | 150 | 94 |
| 45° | 98 | 98 | 98 | 98 | 98 | 76 |
| 55° | 62 | 62 | 62 | 62 | 62 | 56 |
| 65° | 37 | 37 | 37 | 37 | 37 | 37 |
| 75° | 18 | 18 | 18 | 18 | 18 | 19 |
| 85° | 3 | 3 | 3 | 3 | 3 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 1° | 381.0 | 380.3 | 380.3 | 380.3 | 381.0 |
| 2° | 379.7 | 379.7 | 379.7 | 379.7 | 379.7 |
| 3° | 378.4 | 377.7 | 377.7 | 377.7 | 377.7 |
| 4° | 375.8 | 375.1 | 375.1 | 375.1 | 375.1 |
| 5° | 372.5 | 371.8 | 371.8 | 371.8 | 372.5 |
| 6° | 368.5 | 367.9 | 367.2 | 367.2 | 367.9 |
| 7° | 364.6 | 363.3 | 363.3 | 363.3 | 363.3 |
| 8° | 358.7 | 358.0 | 358.0 | 358.0 | 358.0 |
| 9° | 352.8 | 351.4 | 352.1 | 352.1 | 352.1 |
| 10° | 346.2 | 345.5 | 345.5 | 345.5 | 346.2 |
| 11° | 339.6 | 339.0 | 339.0 | 338.3 | 339.0 |
| 12° | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 |
| 13° | 324.5 | 323.9 | 323.9 | 323.9 | 324.5 |
| 14° | 316.6 | 316.0 | 316.0 | 316.0 | 316.0 |
| 15° | 307.4 | 307.4 | 307.4 | 307.4 | 308.1 |
| 17.5° | 286.4 | 285.8 | 286.4 | 286.4 | 287.1 |
| 20° | 264.7 | 264.1 | 264.7 | 264.7 | 264.7 |
| 22.5° | 243.1 | 243.1 | 242.4 | 243.1 | 243.7 |
| 25° | 222.0 | 221.4 | 221.4 | 222.0 | 221.4 |
| 27.5° | 202.3 | 201.7 | 201.7 | 201.7 | 201.7 |
| 30° | 183.9 | 182.6 | 182.6 | 183.3 | 183.3 |
| 32.5° | 164.9 | 164.9 | 165.5 | 164.9 | 164.9 |
| 35° | 149.8 | 149.1 | 149.1 | 149.8 | 149.8 |
| 37.5° | 134.7 | 134.0 | 134.0 | 134.7 | 134.7 |
| 40° | 121.5 | 121.5 | 120.9 | 121.5 | 121.5 |
| 42.5° | 109.0 | 109.0 | 109.0 | 109.0 | 109.0 |
| 45° | 98.5 | 97.9 | 97.9 | 97.9 | 97.9 |
| 47.5° | 88.0 | 88.0 | 88.0 | 87.4 | 88.0 |
| 50° | 79.5 | 78.8 | 78.8 | 78.8 | 78.8 |
| 52.5° | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 55° | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 57.5° | 55.8 | 55.2 | 55.2 | 55.2 | 55.2 |
| 60° | 49.3 | 49.3 | 48.6 | 49.3 | 49.3 |
| 62.5° | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| 65° | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| 67.5° | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 |
| 70° | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 |
| 72.5° | 23.0 | 22.3 | 22.3 | 22.3 | 22.3 |
| 75° | 18.4 | 18.4 | 17.7 | 18.4 | 18.4 |
| 77.5° | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 |
| 80° | 10.5 | 10.5 | 10.5 | 9.9 | 10.5 |
| 82.5° | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 |
| 85° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 87.5° | 0.7 | 0.7 | 0.7 | 1.3 | 1.3 |



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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)