

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: P1314208

Luminaire Tested: LDSQA3D02R509730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

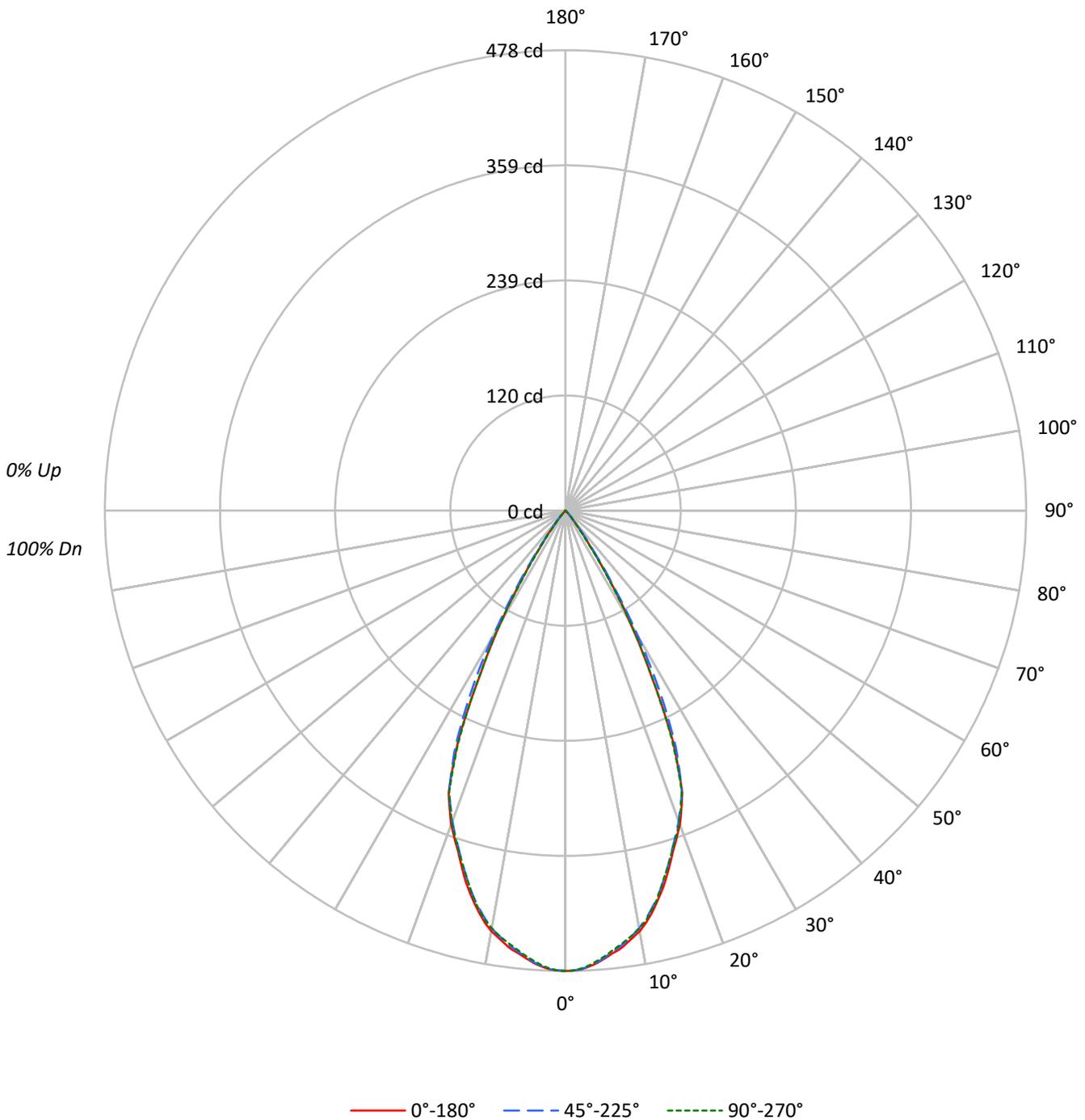
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 308.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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





TEST NUMBER: P1314208

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 94 | 91 | 103 | 98 | 93 | 90 | 95 | 92 | 89 | 93 | 90 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 93 | 89 | 85 | 98 | 92 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 87 | 84 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 80 | 94 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 90 | 83 | 78 | 75 | 82 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 74 | 71 | 87 | 79 | 74 | 71 | 78 | 73 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 69 | 69 | 69 | 68 |
| 8 | 84 | 76 | 71 | 67 | 83 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 72 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 72 | 67 | 64 | 80 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 60 | 77 | 69 | 64 | 60 | 68 | 63 | 60 | 67 | 63 | 60 | 66 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 82305 | 82305 | 82305 |
| 5° | 80701 | 80545 | 80320 |
| 10° | 77542 | 76999 | 77034 |
| 15° | 71177 | 70517 | 70446 |
| 20° | 63597 | 62918 | 63230 |
| 25° | 49977 | 51440 | 49559 |
| 30° | 26747 | 29949 | 26827 |
| 35° | 8725 | 10197 | 8221 |
| 40° | 2158 | 2698 | 2068 |
| 45° | 268 | 950 | 268 |
| 50° | 188 | 295 | 188 |
| 55° | 210 | 210 | 210 |
| 60° | 138 | 138 | 138 |
| 65° | 163 | 163 | 163 |
| 70° | 101 | 101 | 101 |
| 75° | 133 | 133 | 133 |
| 80° | 198 | 198 | 198 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 950 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.7 | 14.2 |
| 10°-20° | 110.5 | 35.9 |
| 20°-30° | 116.3 | 37.7 |
| 30°-40° | 33.5 | 10.9 |
| 40°-50° | 2.7 | 0.9 |
| 50°-60° | 0.6 | 0.2 |
| 60°-70° | 0.4 | 0.1 |
| 70°-80° | 0.2 | 0.1 |
| 80°-90° | 0.1 | 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° | 270.5 | 87.8 |
| 0°-40° | 304.0 | 98.7 |
| 0°-60° | 307.3 | 99.8 |
| 0°-90° | 308.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 308.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 478 | 478 | 478 | 478 | 478 | |
| 5° | 467 | 467 | 466 | 466 | 465 | 44 |
| 15° | 399 | 397 | 396 | 396 | 395 | 111 |
| 25° | 263 | 270 | 271 | 268 | 261 | 114 |
| 35° | 42 | 43 | 48 | 42 | 39 | 32 |
| 45° | 1 | 2 | 4 | 2 | 1 | 2 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 477.9 | 477.9 | 477.9 | 477.9 | 477.9 |
| 1° | 477.7 | 478.2 | 477.3 | 478.8 | 477.5 |
| 2° | 476.6 | 476.8 | 476.4 | 477.5 | 475.7 |
| 3° | 474.0 | 474.4 | 473.6 | 474.4 | 472.9 |
| 4° | 470.9 | 470.9 | 470.1 | 470.7 | 468.7 |
| 5° | 466.8 | 466.6 | 465.9 | 466.3 | 464.6 |
| 6° | 462.4 | 462.2 | 461.1 | 461.1 | 459.8 |
| 7° | 459.1 | 457.6 | 456.7 | 456.5 | 455.2 |
| 8° | 453.9 | 453.4 | 451.7 | 451.7 | 450.8 |
| 9° | 448.6 | 448.2 | 446.2 | 446.7 | 446.0 |
| 10° | 443.4 | 441.9 | 440.3 | 440.5 | 440.5 |
| 11° | 436.4 | 435.1 | 432.9 | 433.8 | 434.2 |
| 12° | 428.1 | 426.6 | 424.6 | 426.3 | 426.1 |
| 13° | 418.9 | 417.6 | 416.1 | 417.4 | 416.9 |
| 14° | 409.3 | 407.3 | 406.0 | 406.9 | 406.4 |
| 15° | 399.2 | 396.6 | 395.5 | 395.5 | 395.1 |
| 17.5° | 371.0 | 369.5 | 368.4 | 367.7 | 369.3 |
| 20° | 347.0 | 345.7 | 343.3 | 343.9 | 345.0 |
| 22.5° | 316.8 | 316.6 | 315.3 | 314.2 | 315.5 |
| 25° | 263.0 | 269.6 | 270.7 | 267.6 | 260.8 |
| 27.5° | 191.1 | 206.4 | 211.9 | 204.6 | 192.2 |
| 30° | 134.5 | 141.7 | 150.6 | 136.4 | 134.9 |
| 32.5° | 81.1 | 83.1 | 91.4 | 81.6 | 79.4 |
| 35° | 41.5 | 43.1 | 48.5 | 41.5 | 39.1 |
| 37.5° | 19.5 | 20.3 | 22.5 | 19.5 | 18.1 |
| 40° | 9.6 | 10.7 | 12.0 | 10.1 | 9.2 |
| 42.5° | 4.2 | 5.5 | 7.0 | 5.2 | 3.7 |
| 45° | 1.1 | 2.2 | 3.9 | 2.2 | 1.1 |
| 47.5° | 0.7 | 0.9 | 2.2 | 0.9 | 0.7 |
| 50° | 0.7 | 0.7 | 1.1 | 0.7 | 0.7 |
| 52.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 57.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 60° | 0.4 | 0.7 | 0.4 | 0.7 | 0.4 |
| 62.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 65° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 67.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 82.5° | 0.0 | 0.2 | 0.0 | 0.2 | 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)