

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: P1309893

Luminaire Tested: LDSQA3D02R359035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359035DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

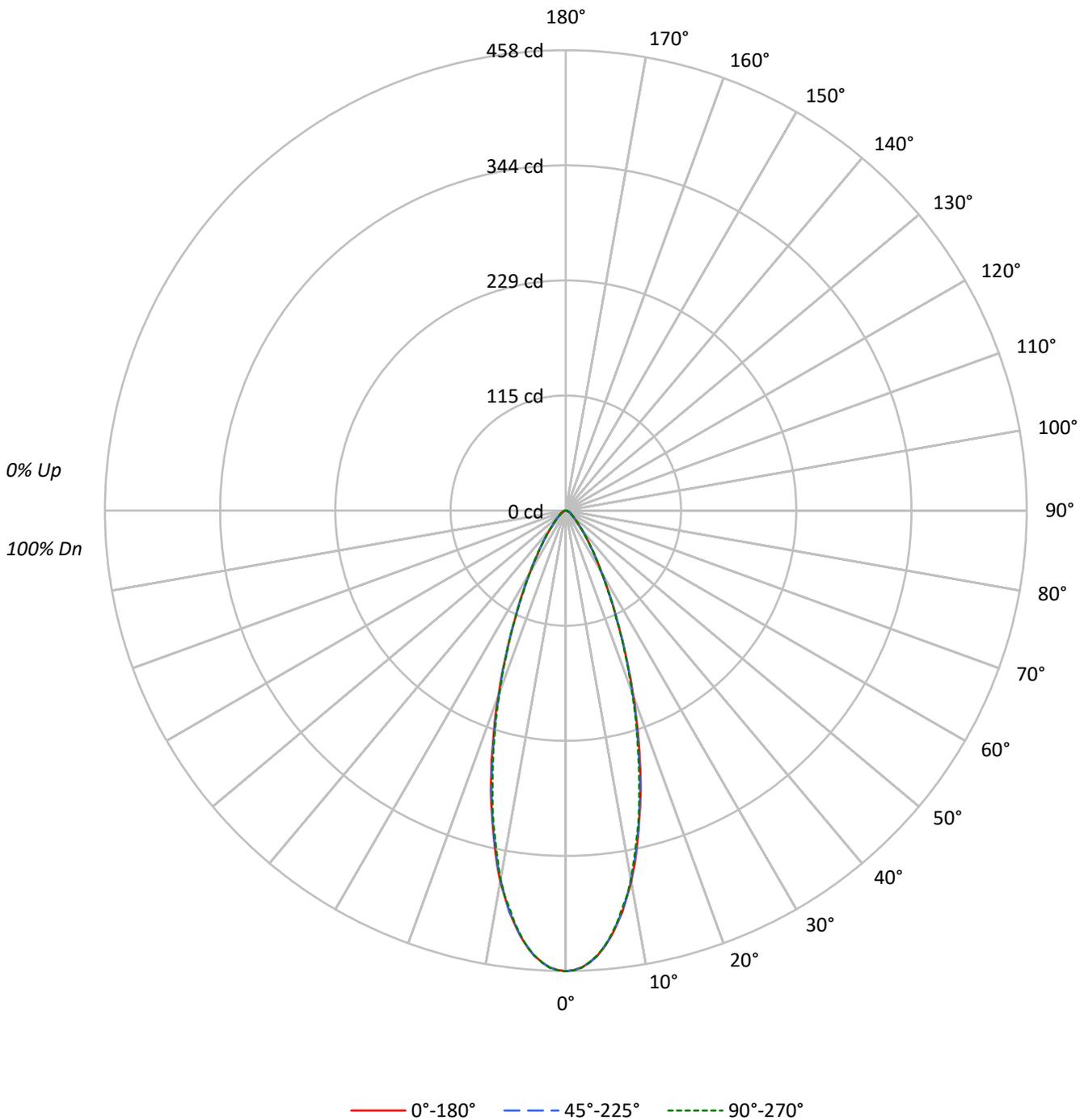
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 226.1 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
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





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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 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 89 | 89 | 89 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 83 | 83 | 83 | 83 | 82 |
| 4 | 98 | 91 | 86 | 82 | 96 | 90 | 85 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 78 | 78 | 78 | 77 |
| 5 | 94 | 86 | 80 | 76 | 92 | 85 | 80 | 76 | 83 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 73 |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 71 | 79 | 74 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 7 | 86 | 77 | 72 | 68 | 85 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 8 | 82 | 73 | 68 | 64 | 81 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 9 | 79 | 70 | 65 | 61 | 78 | 70 | 64 | 61 | 69 | 64 | 61 | 68 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 61 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 64 | 60 | 57 | 57 | 57 | 57 | 56 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 78930 | 78930 | 78930 |
| 5° | 75410 | 75289 | 75410 |
| 10° | 65475 | 65248 | 65160 |
| 15° | 51296 | 50904 | 50102 |
| 20° | 35885 | 35574 | 35336 |
| 25° | 22784 | 22936 | 22784 |
| 30° | 14040 | 14139 | 14040 |
| 35° | 8683 | 8746 | 8746 |
| 40° | 5508 | 5576 | 5576 |
| 45° | 3726 | 3775 | 3848 |
| 50° | 2679 | 2760 | 2760 |
| 55° | 2102 | 2102 | 2102 |
| 60° | 1722 | 1722 | 1722 |
| 65° | 1549 | 1549 | 1549 |
| 70° | 1410 | 1410 | 1410 |
| 75° | 1198 | 1198 | 1198 |
| 80° | 992 | 992 | 992 |
| 85° | 593 | 593 | 988 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 3848 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.6 | 17.5 |
| 10°-20° | 78.0 | 34.5 |
| 20°-30° | 56.3 | 24.9 |
| 30°-40° | 27.1 | 12.0 |
| 40°-50° | 12.5 | 5.5 |
| 50°-60° | 6.5 | 2.9 |
| 60°-70° | 3.8 | 1.7 |
| 70°-80° | 1.9 | 0.9 |
| 80°-90° | 0.5 | 0.2 |
| 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° | 173.8 | 76.9 |
| 0°-40° | 201.0 | 88.9 |
| 0°-60° | 219.9 | 97.3 |
| 0°-90° | 226.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 226.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 458 | 458 | 458 | 458 | 458 | |
| 5° | 436 | 437 | 436 | 436 | 436 | 40 |
| 15° | 288 | 287 | 286 | 284 | 281 | 78 |
| 25° | 120 | 120 | 121 | 121 | 120 | 56 |
| 35° | 41 | 41 | 42 | 42 | 42 | 27 |
| 45° | 15 | 16 | 16 | 16 | 16 | 12 |
| 55° | 7 | 7 | 7 | 7 | 7 | 6 |
| 65° | 4 | 4 | 4 | 4 | 4 | 4 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 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° | 458.3 | 458.3 | 458.3 | 458.3 | 458.3 |
| 1° | 457.0 | 457.8 | 457.5 | 457.8 | 457.5 |
| 2° | 454.8 | 455.3 | 454.8 | 455.0 | 455.0 |
| 3° | 450.0 | 450.5 | 450.5 | 450.2 | 450.0 |
| 4° | 444.2 | 445.5 | 444.2 | 444.5 | 443.7 |
| 5° | 436.2 | 437.2 | 435.5 | 435.7 | 436.2 |
| 6° | 426.5 | 426.7 | 426.2 | 426.0 | 425.5 |
| 7° | 415.2 | 416.2 | 414.4 | 414.7 | 414.2 |
| 8° | 403.2 | 402.9 | 402.9 | 401.9 | 400.4 |
| 9° | 388.6 | 389.6 | 388.1 | 387.6 | 387.9 |
| 10° | 374.4 | 374.4 | 373.1 | 371.9 | 372.6 |
| 11° | 358.1 | 357.6 | 356.8 | 355.1 | 354.6 |
| 12° | 340.3 | 341.3 | 339.1 | 338.3 | 336.6 |
| 13° | 322.0 | 323.5 | 322.5 | 319.8 | 320.0 |
| 14° | 305.0 | 304.0 | 303.3 | 302.8 | 301.0 |
| 15° | 287.7 | 287.2 | 285.5 | 284.2 | 281.0 |
| 17.5° | 240.4 | 240.9 | 237.6 | 237.1 | 235.9 |
| 20° | 195.8 | 194.3 | 194.1 | 194.3 | 192.8 |
| 22.5° | 154.5 | 156.0 | 154.3 | 154.5 | 153.5 |
| 25° | 119.9 | 120.2 | 120.7 | 120.7 | 119.9 |
| 27.5° | 93.2 | 93.2 | 92.7 | 93.2 | 92.4 |
| 30° | 70.6 | 70.6 | 71.1 | 71.6 | 70.6 |
| 32.5° | 54.6 | 54.6 | 54.6 | 54.8 | 55.1 |
| 35° | 41.3 | 41.3 | 41.6 | 41.6 | 41.6 |
| 37.5° | 31.8 | 32.1 | 32.3 | 32.3 | 32.3 |
| 40° | 24.5 | 24.8 | 24.8 | 25.0 | 24.8 |
| 42.5° | 19.5 | 19.5 | 19.5 | 19.8 | 19.8 |
| 45° | 15.3 | 15.5 | 15.5 | 15.8 | 15.8 |
| 47.5° | 12.5 | 12.5 | 12.5 | 12.8 | 12.8 |
| 50° | 10.0 | 10.3 | 10.3 | 10.3 | 10.3 |
| 52.5° | 8.3 | 8.3 | 8.5 | 8.5 | 8.5 |
| 55° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 57.5° | 5.8 | 6.0 | 6.0 | 6.0 | 6.0 |
| 60° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 62.5° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 65° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 67.5° | 3.0 | 3.3 | 3.3 | 3.3 | 3.3 |
| 70° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 72.5° | 2.0 | 2.3 | 2.3 | 2.3 | 2.3 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 77.5° | 1.5 | 1.3 | 1.3 | 1.3 | 1.5 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 |



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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)