

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: P1309895

Luminaire Tested: LDSQA3D02R359035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309895
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: LDSQA3D02R359035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

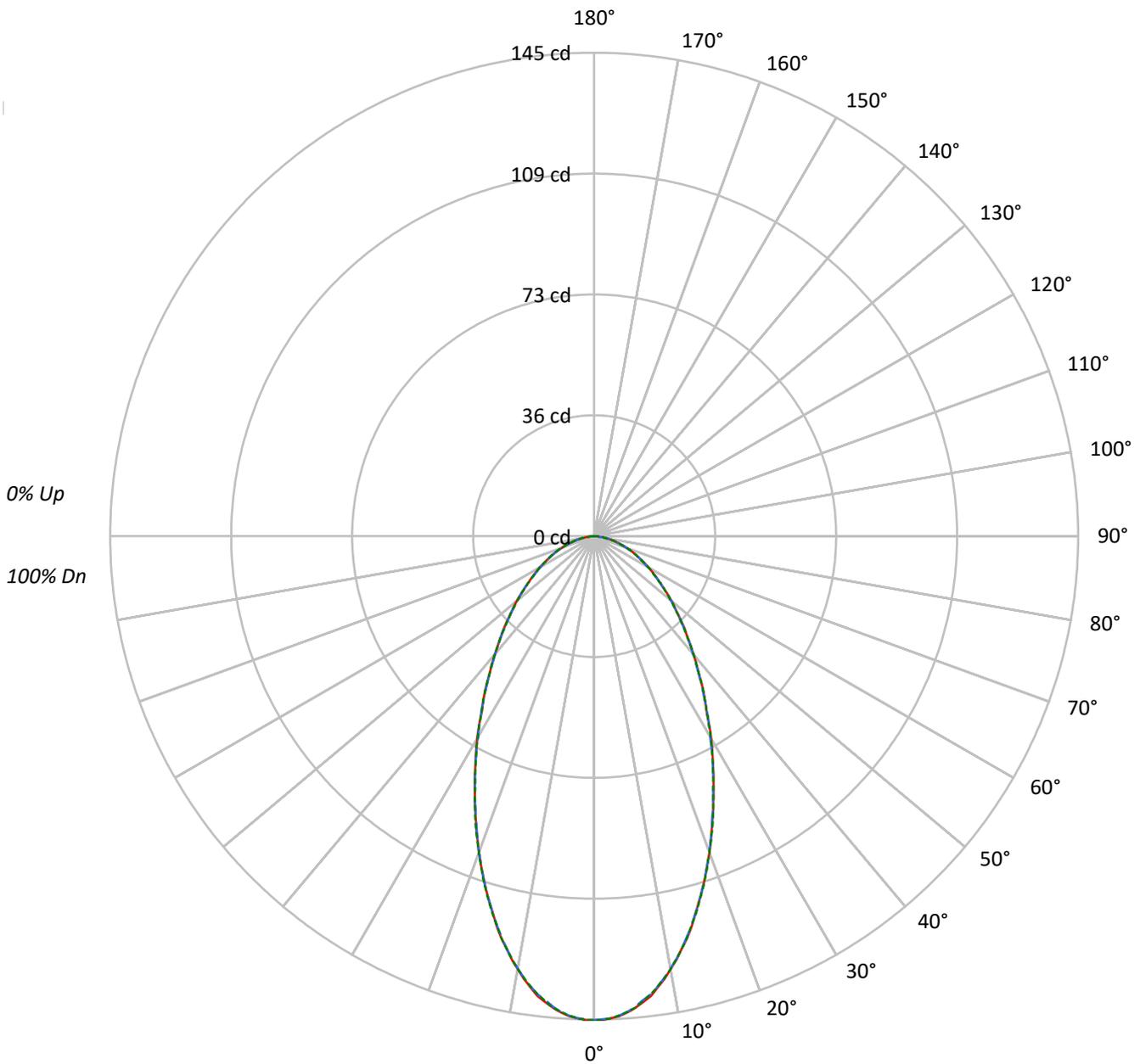
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 194.1 lumens
Efficiency: N/A
Efficacy: 53.9 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): 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



0% Up
100% Dn

— 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 | 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 | 64 | 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 | 64 | 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 | 37 |
| 10 | 60 | 49 | 41 | 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° | 25007 | 25007 | 25007 |
| 5° | 24549 | 24497 | 24549 |
| 10° | 23067 | 23032 | 23067 |
| 15° | 20897 | 20897 | 20932 |
| 20° | 18492 | 18492 | 18492 |
| 25° | 16076 | 16038 | 16038 |
| 30° | 13940 | 13841 | 13901 |
| 35° | 12005 | 11942 | 12005 |
| 40° | 10409 | 10364 | 10409 |
| 45° | 9158 | 9085 | 9085 |
| 50° | 8118 | 8038 | 8038 |
| 55° | 7146 | 7146 | 7146 |
| 60° | 6476 | 6372 | 6476 |
| 65° | 5827 | 5827 | 5827 |
| 70° | 5187 | 5187 | 5187 |
| 75° | 4658 | 4525 | 4658 |
| 80° | 3967 | 3967 | 3967 |
| 85° | 2569 | 2569 | 2569 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9158 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 13.2 | 6.8 |
| 10°-20° | 32.7 | 16.8 |
| 20°-30° | 38.8 | 20.0 |
| 30°-40° | 35.7 | 18.4 |
| 40°-50° | 29.0 | 14.9 |
| 50°-60° | 21.4 | 11.0 |
| 60°-70° | 14.2 | 7.3 |
| 70°-80° | 7.4 | 3.8 |
| 80°-90° | 1.7 | 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° | 84.7 | 43.7 |
| 0°-40° | 120.4 | 62.1 |
| 0°-60° | 170.8 | 88.0 |
| 0°-90° | 194.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 194.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 145 | 145 | 145 | 145 | 145 | |
| 5° | 142 | 142 | 142 | 142 | 142 | 13 |
| 15° | 117 | 117 | 117 | 117 | 117 | 33 |
| 25° | 85 | 84 | 84 | 85 | 84 | 39 |
| 35° | 57 | 57 | 57 | 57 | 57 | 36 |
| 45° | 38 | 37 | 37 | 37 | 37 | 29 |
| 55° | 24 | 24 | 24 | 24 | 24 | 22 |
| 65° | 14 | 14 | 14 | 14 | 14 | 14 |
| 75° | 7 | 7 | 7 | 7 | 7 | 7 |
| 85° | 1 | 1 | 1 | 1 | 1 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 |
| 1° | 145.2 | 145.0 | 145.0 | 145.0 | 145.2 |
| 2° | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 |
| 3° | 144.2 | 144.0 | 144.0 | 144.0 | 144.0 |
| 4° | 143.2 | 143.0 | 143.0 | 143.0 | 143.0 |
| 5° | 142.0 | 141.7 | 141.7 | 141.7 | 142.0 |
| 6° | 140.5 | 140.2 | 140.0 | 140.0 | 140.2 |
| 7° | 139.0 | 138.5 | 138.5 | 138.5 | 138.5 |
| 8° | 136.7 | 136.5 | 136.5 | 136.5 | 136.5 |
| 9° | 134.5 | 133.9 | 134.2 | 134.2 | 134.2 |
| 10° | 131.9 | 131.7 | 131.7 | 131.7 | 131.9 |
| 11° | 129.4 | 129.2 | 129.2 | 128.9 | 129.2 |
| 12° | 126.4 | 126.4 | 126.4 | 126.4 | 126.4 |
| 13° | 123.7 | 123.4 | 123.4 | 123.4 | 123.7 |
| 14° | 120.7 | 120.4 | 120.4 | 120.4 | 120.4 |
| 15° | 117.2 | 117.2 | 117.2 | 117.2 | 117.4 |
| 17.5° | 109.2 | 108.9 | 109.2 | 109.2 | 109.4 |
| 20° | 100.9 | 100.6 | 100.9 | 100.9 | 100.9 |
| 22.5° | 92.6 | 92.6 | 92.4 | 92.6 | 92.9 |
| 25° | 84.6 | 84.4 | 84.4 | 84.6 | 84.4 |
| 27.5° | 77.1 | 76.9 | 76.9 | 76.9 | 76.9 |
| 30° | 70.1 | 69.6 | 69.6 | 69.9 | 69.9 |
| 32.5° | 62.8 | 62.8 | 63.1 | 62.8 | 62.8 |
| 35° | 57.1 | 56.8 | 56.8 | 57.1 | 57.1 |
| 37.5° | 51.3 | 51.1 | 51.1 | 51.3 | 51.3 |
| 40° | 46.3 | 46.3 | 46.1 | 46.3 | 46.3 |
| 42.5° | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| 45° | 37.6 | 37.3 | 37.3 | 37.3 | 37.3 |
| 47.5° | 33.5 | 33.5 | 33.5 | 33.3 | 33.5 |
| 50° | 30.3 | 30.0 | 30.0 | 30.0 | 30.0 |
| 52.5° | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| 55° | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 |
| 57.5° | 21.3 | 21.0 | 21.0 | 21.0 | 21.0 |
| 60° | 18.8 | 18.8 | 18.5 | 18.8 | 18.8 |
| 62.5° | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 |
| 65° | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |
| 67.5° | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| 70° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 |
| 72.5° | 8.8 | 8.5 | 8.5 | 8.5 | 8.5 |
| 75° | 7.0 | 7.0 | 6.8 | 7.0 | 7.0 |
| 77.5° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 80° | 4.0 | 4.0 | 4.0 | 3.8 | 4.0 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 85° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 87.5° | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 |



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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)