

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: IRiS

Report Number: P1446640

Luminaire Tested: P3ART02R709735DE010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R709735DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

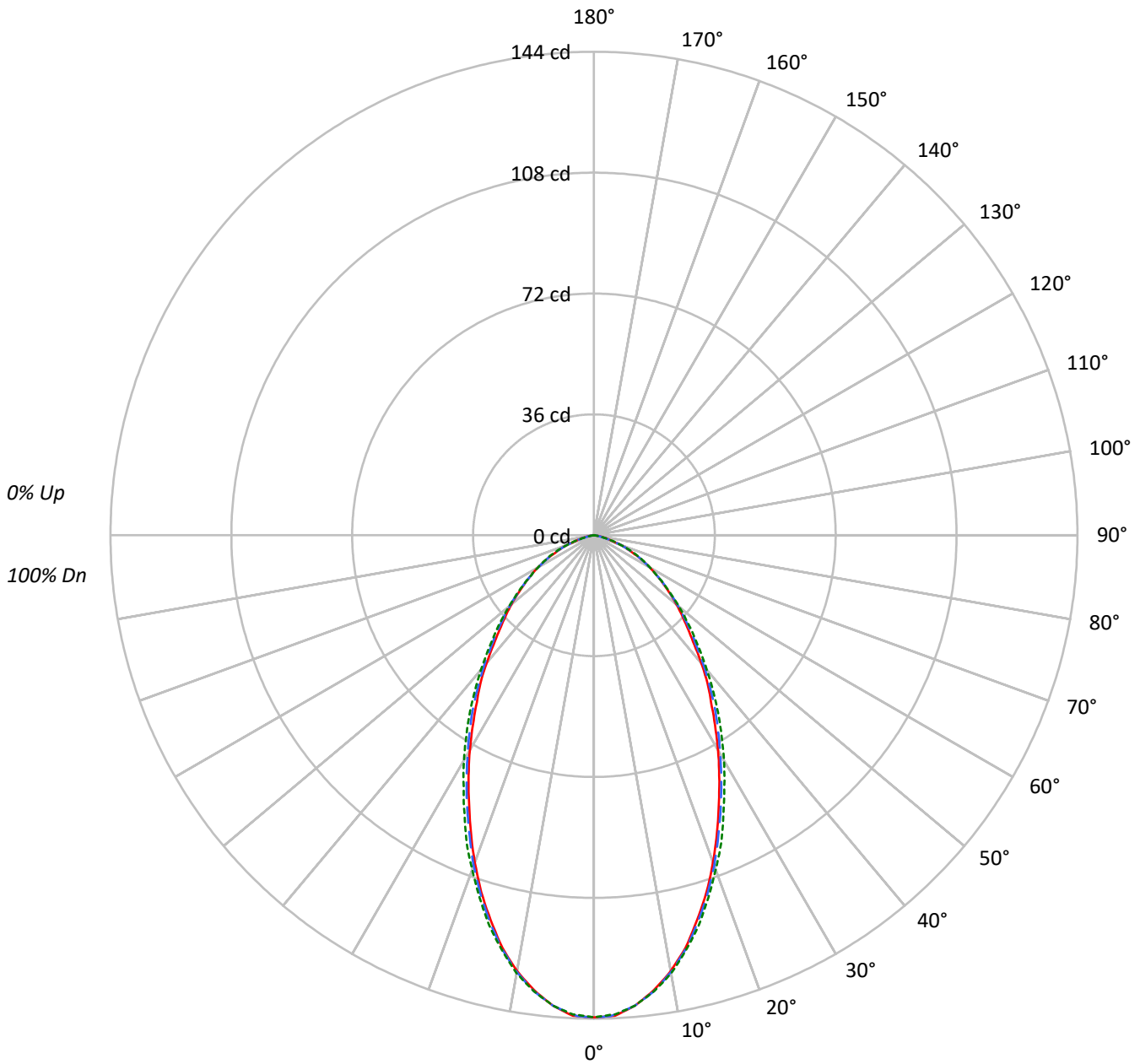
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 200.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 31489 | 31489 | 31489 |
| 5° | 30949 | 30949 | 30949 |
| 10° | 29347 | 29414 | 29503 |
| 15° | 26947 | 27106 | 27333 |
| 20° | 24199 | 24432 | 24735 |
| 25° | 21292 | 21606 | 22090 |
| 30° | 18712 | 19041 | 19623 |
| 35° | 16276 | 16811 | 17239 |
| 40° | 14227 | 14599 | 14971 |
| 45° | 12280 | 12683 | 12994 |
| 50° | 10951 | 11155 | 11258 |
| 55° | 9634 | 9749 | 9749 |
| 60° | 8464 | 8333 | 8464 |
| 65° | 6953 | 7108 | 7316 |
| 70° | 5450 | 5450 | 5642 |
| 75° | 3643 | 3304 | 3304 |
| 80° | 2020 | 1642 | 1263 |
| 85° | 755 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 12994 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 13.2 | 6.6 |
| 10°-20° | 33.3 | 16.7 |
| 20°-30° | 41.1 | 20.6 |
| 30°-40° | 39.2 | 19.6 |
| 40°-50° | 31.7 | 15.9 |
| 50°-60° | 22.8 | 11.4 |
| 60°-70° | 13.7 | 6.8 |
| 70°-80° | 4.6 | 2.3 |
| 80°-90° | 0.4 | 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° | 87.6 | 43.8 |
| 0°-40° | 126.8 | 63.4 |
| 0°-60° | 181.4 | 90.7 |
| 0°-90° | 200.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 200.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 144 | 144 | 144 | 144 | 144 | |
| 5° | 141 | 141 | 141 | 141 | 141 | 13 |
| 15° | 119 | 119 | 119 | 120 | 120 | 33 |
| 25° | 88 | 89 | 89 | 91 | 91 | 40 |
| 35° | 61 | 61 | 63 | 64 | 64 | 38 |
| 45° | 40 | 40 | 41 | 42 | 42 | 31 |
| 55° | 25 | 25 | 26 | 26 | 26 | 23 |
| 65° | 13 | 14 | 14 | 14 | 14 | 13 |
| 75° | 4 | 4 | 4 | 4 | 4 | 5 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 |
| 2° | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 142.9 |
| 2.5° | 143.3 | 142.9 | 142.9 | 142.9 | 142.9 | 142.9 | 142.9 | 142.9 | 142.9 | 143.3 | 142.9 |
| 5° | 140.6 | 140.6 | 140.6 | 140.6 | 140.6 | 140.6 | 140.6 | 140.6 | 141.0 | 140.6 | 140.6 |
| 7.5° | 136.7 | 136.7 | 136.7 | 136.7 | 137.0 | 137.0 | 137.0 | 137.0 | 137.4 | 137.4 | 137.0 |
| 10° | 131.8 | 131.8 | 131.8 | 131.8 | 132.1 | 132.1 | 132.5 | 132.1 | 132.1 | 132.5 | 132.5 |
| 12.5° | 125.9 | 125.6 | 125.6 | 125.6 | 125.9 | 126.3 | 126.3 | 126.3 | 126.6 | 126.6 | 126.6 |
| 15° | 118.7 | 118.7 | 118.7 | 119.1 | 119.1 | 119.4 | 119.7 | 119.7 | 120.0 | 120.0 | 120.4 |
| 17.5° | 111.5 | 111.5 | 111.2 | 111.5 | 111.9 | 112.2 | 112.5 | 112.8 | 113.2 | 113.2 | 113.2 |
| 20° | 103.7 | 103.4 | 103.7 | 104.0 | 104.3 | 104.7 | 105.0 | 105.6 | 106.0 | 106.0 | 106.0 |
| 22.5° | 95.8 | 95.5 | 95.8 | 96.2 | 96.5 | 96.8 | 97.8 | 98.1 | 98.5 | 98.5 | 99.1 |
| 25° | 88.0 | 88.0 | 88.3 | 88.6 | 89.0 | 89.3 | 89.9 | 90.6 | 90.9 | 91.3 | 91.3 |
| 27.5° | 80.8 | 80.8 | 80.8 | 80.8 | 81.4 | 82.1 | 82.8 | 83.4 | 83.7 | 84.1 | 84.1 |
| 30° | 73.9 | 73.6 | 73.6 | 73.9 | 74.6 | 75.2 | 75.9 | 76.5 | 76.9 | 77.2 | 77.5 |
| 32.5° | 67.1 | 67.1 | 67.1 | 67.4 | 67.7 | 68.7 | 69.3 | 69.7 | 70.3 | 70.7 | 70.7 |
| 35° | 60.8 | 60.8 | 60.8 | 61.5 | 62.1 | 62.8 | 63.1 | 63.8 | 64.4 | 64.4 | 64.4 |
| 37.5° | 55.6 | 55.9 | 56.6 | 56.3 | 56.3 | 56.6 | 56.9 | 57.6 | 58.2 | 58.2 | 58.2 |
| 40° | 49.7 | 50.0 | 50.4 | 50.0 | 50.4 | 51.0 | 51.4 | 51.7 | 52.0 | 52.3 | 52.3 |
| 42.5° | 44.2 | 44.2 | 44.2 | 44.5 | 45.1 | 45.5 | 46.1 | 46.4 | 46.8 | 46.8 | 46.8 |
| 45° | 39.6 | 39.6 | 39.9 | 40.2 | 40.6 | 40.9 | 41.2 | 41.5 | 41.9 | 41.9 | 41.9 |
| 47.5° | 35.7 | 35.7 | 36.0 | 36.0 | 36.3 | 36.6 | 37.0 | 37.0 | 37.3 | 37.6 | 37.3 |
| 50° | 32.1 | 32.1 | 32.1 | 32.4 | 32.4 | 32.7 | 32.7 | 33.0 | 33.0 | 33.0 | 33.0 |
| 52.5° | 28.5 | 28.5 | 28.5 | 28.5 | 28.8 | 28.8 | 28.8 | 29.1 | 29.1 | 29.1 | 29.1 |
| 55° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |
| 57.5° | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 |
| 60° | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.0 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 |
| 62.5° | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.7 | 16.7 | 16.7 | 16.7 |
| 65° | 13.4 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 14.1 | 14.1 | 14.1 | 14.1 |
| 67.5° | 10.8 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.4 | 11.4 | 11.4 |
| 70° | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.8 |
| 72.5° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 6.2 | 6.2 | 6.2 |
| 75° | 4.3 | 4.3 | 4.3 | 4.3 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 77.5° | 2.9 | 2.9 | 2.9 | 2.6 | 2.6 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.0 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.3 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)