

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: P1268769

Luminaire Tested: P3A02R559740DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R559740DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

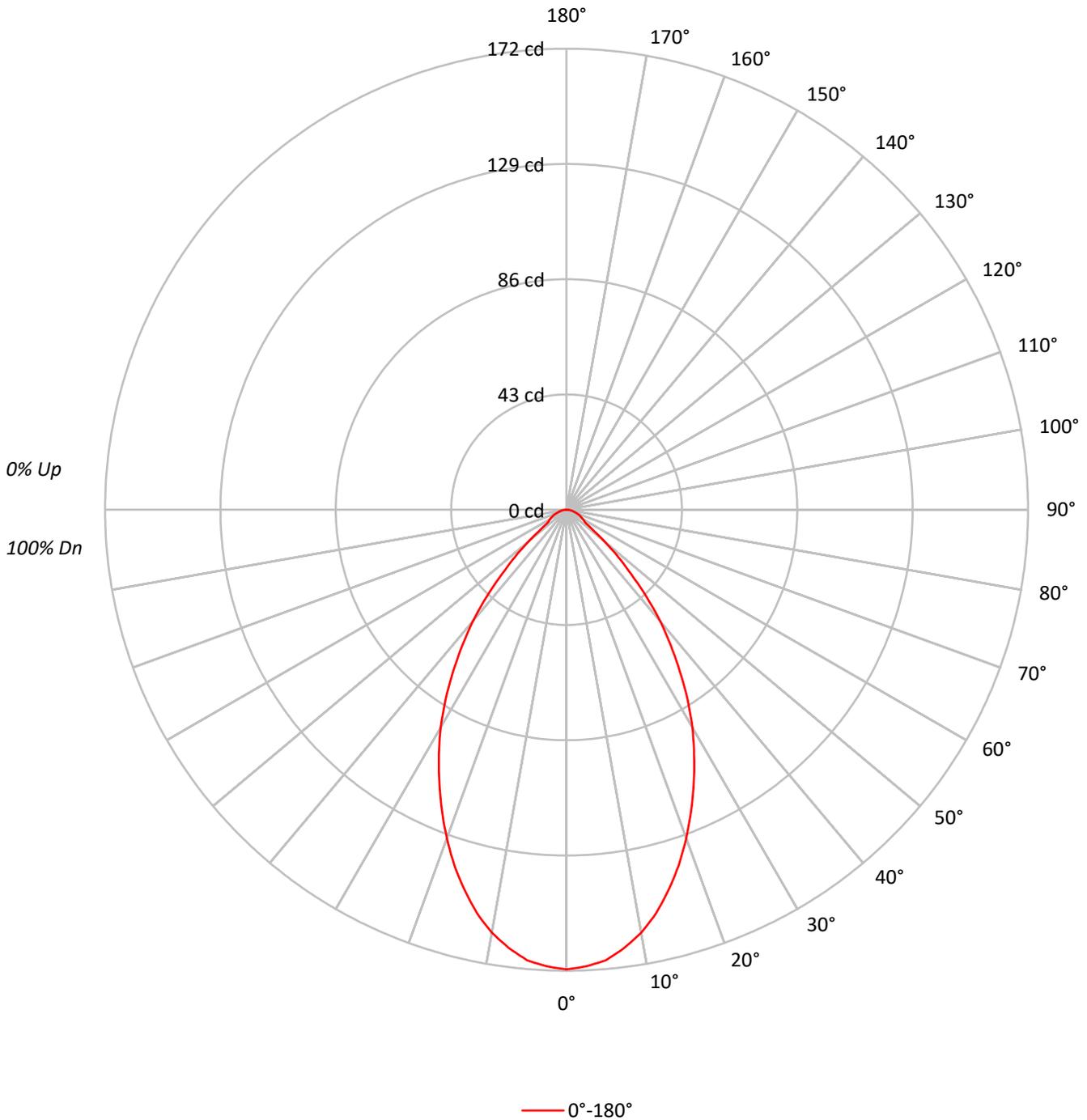
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 200.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 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 (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





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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 | 100 | | | |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 91 | | | |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 | | | |
| 3 | 99 | 91 | 85 | 81 | 97 | 90 | 84 | 80 | 87 | 82 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 74 | | | |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 | | | |
| 5 | 87 | 77 | 71 | 66 | 85 | 76 | 70 | 65 | 75 | 69 | 65 | 73 | 68 | 64 | 71 | 67 | 64 | 62 | | | |
| 6 | 82 | 72 | 65 | 60 | 80 | 71 | 64 | 60 | 69 | 64 | 59 | 68 | 63 | 59 | 66 | 62 | 58 | 57 | | | |
| 7 | 77 | 67 | 60 | 55 | 76 | 66 | 59 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 | | | |
| 8 | 73 | 62 | 55 | 51 | 72 | 62 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 48 | | | |
| 9 | 69 | 58 | 51 | 47 | 68 | 58 | 51 | 47 | 57 | 51 | 47 | 56 | 50 | 46 | 55 | 50 | 46 | 45 | | | |
| 10 | 65 | 55 | 48 | 44 | 64 | 54 | 48 | 44 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 42 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 37607 |
| 5° | 37134 |
| 10° | 35671 |
| 15° | 33349 |
| 20° | 30429 |
| 25° | 27147 |
| 30° | 23750 |
| 35° | 19729 |
| 40° | 15543 |
| 45° | 10544 |
| 50° | 6448 |
| 55° | 3326 |
| 60° | 3114 |
| 65° | 2958 |
| 70° | 2757 |
| 75° | 2372 |
| 80° | 2399 |
| 85° | 1761 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10544 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.8 | 7.9 |
| 10°-20° | 41.1 | 20.5 |
| 20°-30° | 51.4 | 25.7 |
| 30°-40° | 45.9 | 23.0 |
| 40°-50° | 26.9 | 13.4 |
| 50°-60° | 9.3 | 4.6 |
| 60°-70° | 5.6 | 2.8 |
| 70°-80° | 3.1 | 1.6 |
| 80°-90° | 0.9 | 0.5 |
| 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° | 108.3 | 54.1 |
| 0°-40° | 154.2 | 77.1 |
| 0°-60° | 190.4 | 95.2 |
| 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° | Flux |
|-----|-----|------|
| 0° | 172 | |
| 5° | 169 | 16 |
| 15° | 147 | 41 |
| 25° | 112 | 51 |
| 35° | 74 | 46 |
| 45° | 34 | 27 |
| 55° | 9 | 9 |
| 65° | 6 | 6 |
| 75° | 3 | 3 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 171.5 |
| 2.5° | 170.5 |
| 5° | 168.7 |
| 7.5° | 164.9 |
| 10° | 160.2 |
| 12.5° | 154.2 |
| 15° | 146.9 |
| 17.5° | 139.1 |
| 20° | 130.4 |
| 22.5° | 121.4 |
| 25° | 112.2 |
| 27.5° | 103.0 |
| 30° | 93.8 |
| 32.5° | 83.9 |
| 35° | 73.7 |
| 37.5° | 63.8 |
| 40° | 54.3 |
| 42.5° | 44.2 |
| 45° | 34.0 |
| 47.5° | 26.0 |
| 50° | 18.9 |
| 52.5° | 12.3 |
| 55° | 8.7 |
| 57.5° | 7.8 |
| 60° | 7.1 |
| 62.5° | 6.4 |
| 65° | 5.7 |
| 67.5° | 5.0 |
| 70° | 4.3 |
| 72.5° | 3.5 |
| 75° | 2.8 |
| 77.5° | 2.4 |
| 80° | 1.9 |
| 82.5° | 1.2 |
| 85° | 0.7 |
| 87.5° | 0.5 |
| 90° | 0.0 |

(END OF REPORT)