

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: P1269632

Luminaire Tested: P3A09R709740DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R709740DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

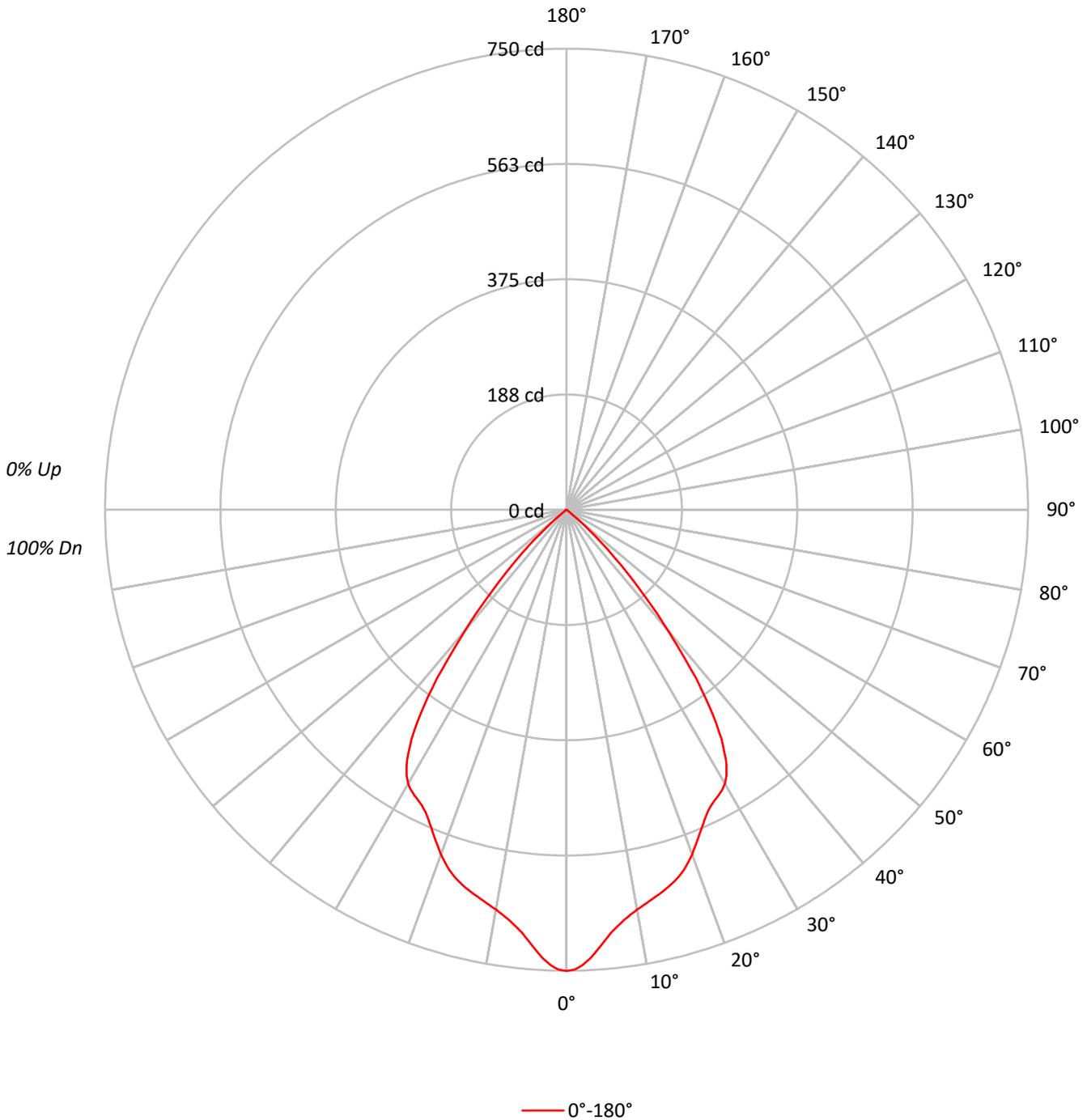
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 845.9 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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 | | | 100 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 93 | | | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | 85 |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 84 | 81 | 86 | 83 | 80 | 79 | | | 79 |
| 4 | 95 | 87 | 82 | 77 | 94 | 86 | 81 | 77 | 84 | 79 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | 72 |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | 66 |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | | 61 |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 63 | 59 | 68 | 63 | 59 | 67 | 62 | 58 | 66 | 61 | 58 | 57 | | | 57 |
| 8 | 76 | 66 | 59 | 55 | 75 | 65 | 59 | 55 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 | | | 52 |
| 9 | 72 | 61 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 49 | | | 49 |
| 10 | 68 | 58 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 55 | 50 | 47 | 45 | | | 45 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 164504 |
| 5° | 155117 |
| 10° | 147069 |
| 15° | 144428 |
| 20° | 139219 |
| 25° | 131233 |
| 30° | 130299 |
| 35° | 113475 |
| 40° | 73395 |
| 45° | 34701 |
| 50° | 4844 |
| 55° | 382 |
| 60° | 307 |
| 65° | 363 |
| 70° | 192 |
| 75° | 254 |
| 80° | 379 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34701 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.8 | 7.8 |
| 10°-20° | 178.7 | 21.1 |
| 20°-30° | 252.8 | 29.9 |
| 30°-40° | 254.0 | 30.0 |
| 40°-50° | 91.3 | 10.8 |
| 50°-60° | 2.4 | 0.3 |
| 60°-70° | 0.5 | 0.1 |
| 70°-80° | 0.3 | 0.0 |
| 80°-90° | 0.0 | 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° | 497.2 | 58.8 |
| 0°-40° | 751.2 | 88.8 |
| 0°-60° | 845.0 | 99.9 |
| 0°-90° | 845.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 845.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 750 | |
| 5° | 705 | 66 |
| 15° | 636 | 179 |
| 25° | 542 | 253 |
| 35° | 424 | 254 |
| 45° | 112 | 91 |
| 55° | 1 | 2 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 750.2 |
| 1° | 748.1 |
| 2° | 741.5 |
| 3° | 731.1 |
| 4° | 717.9 |
| 5° | 704.7 |
| 6° | 692.1 |
| 7° | 682.4 |
| 8° | 673.7 |
| 9° | 666.8 |
| 10° | 660.5 |
| 11° | 655.3 |
| 12° | 650.5 |
| 13° | 645.6 |
| 14° | 641.1 |
| 15° | 636.2 |
| 16° | 630.3 |
| 17° | 624.0 |
| 18° | 616.4 |
| 19° | 607.0 |
| 20° | 596.6 |
| 21° | 585.1 |
| 22° | 573.7 |
| 23° | 562.5 |
| 24° | 551.8 |
| 25° | 542.4 |
| 26° | 535.8 |
| 27° | 530.6 |
| 28° | 526.4 |
| 29° | 521.5 |
| 30° | 514.6 |
| 31° | 504.5 |
| 32° | 490.3 |
| 32.5° | 482.3 |
| 33° | 471.5 |
| 34° | 450.3 |
| 35° | 423.9 |
| 36° | 394.7 |
| 37° | 361.7 |
| 37.5° | 346.4 |
| 38° | 325.6 |
| 39° | 288.4 |
| 40° | 256.4 |
| 42.5° | 177.6 |
| 45° | 111.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|------|
| 47.5° | 60.1 |
| 50° | 14.2 |
| 52.5° | 1.7 |
| 55° | 1.0 |
| 57.5° | 1.0 |
| 60° | 0.7 |
| 62.5° | 0.7 |
| 65° | 0.7 |
| 67.5° | 0.3 |
| 70° | 0.3 |
| 72.5° | 0.3 |
| 75° | 0.3 |
| 77.5° | 0.3 |
| 80° | 0.3 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)