

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: P1246267

Luminaire Tested: P3A05R609024DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R609024DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

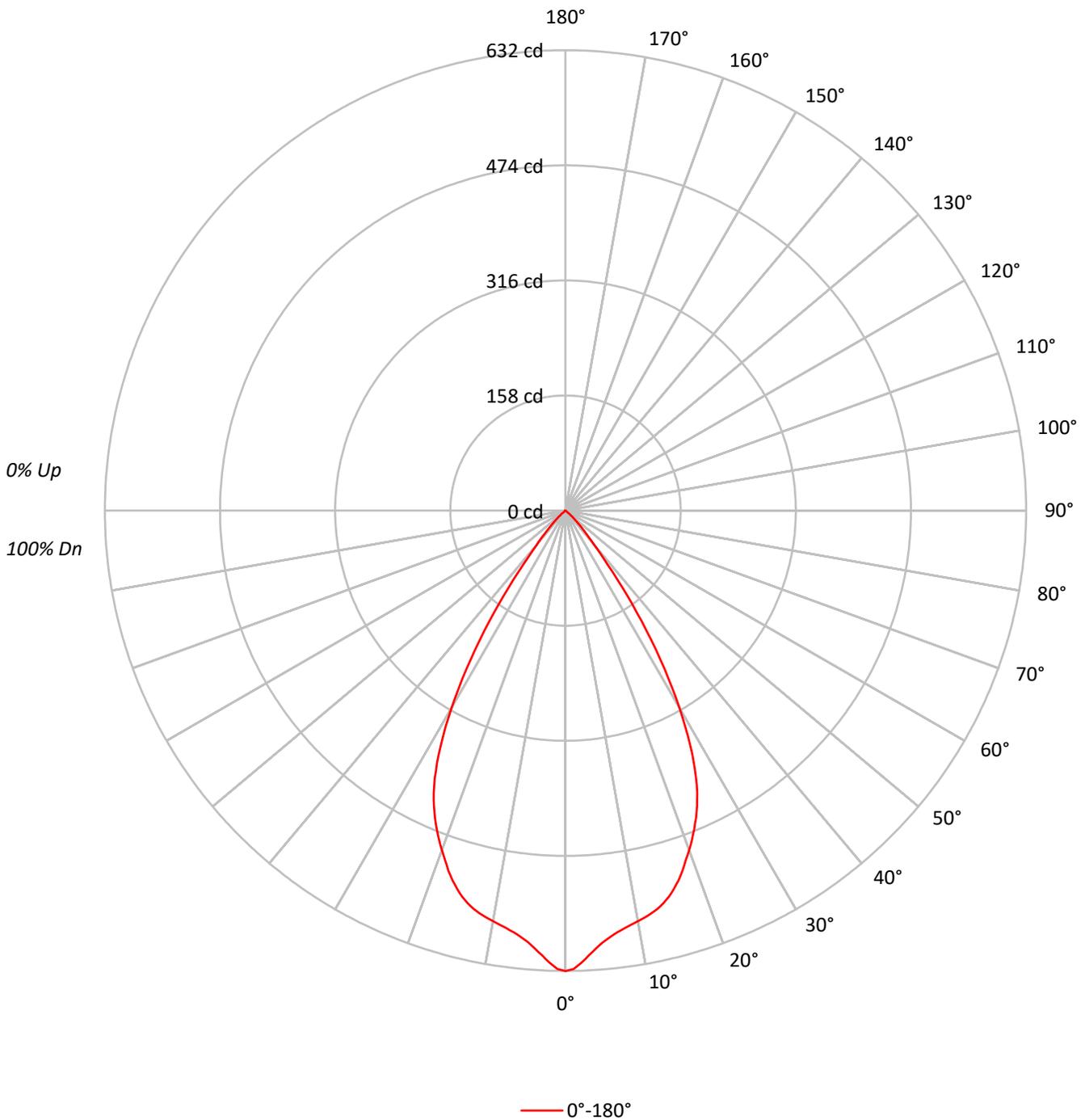
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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 | | | | 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 | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | | | | 94 |
| 2 | 108 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | | | | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 87 | 85 | 88 | 86 | 84 | 82 | | | | 82 |
| 4 | 98 | 91 | 85 | 81 | 96 | 90 | 85 | 81 | 88 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 | | | | 77 |
| 5 | 93 | 85 | 80 | 75 | 92 | 84 | 79 | 75 | 83 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | | | | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 70 | 77 | 72 | 69 | 75 | 72 | 69 | 67 | | | | 67 |
| 7 | 85 | 76 | 70 | 66 | 83 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 | | | | 63 |
| 8 | 81 | 71 | 65 | 61 | 79 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 59 | | | | 59 |
| 9 | 77 | 67 | 62 | 58 | 76 | 67 | 61 | 58 | 66 | 61 | 57 | 65 | 61 | 57 | 64 | 60 | 57 | 56 | | | | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 53 | | | | 53 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 138607 |
| 5° | 130838 |
| 10° | 127453 |
| 15° | 124541 |
| 20° | 115790 |
| 25° | 103506 |
| 30° | 79075 |
| 35° | 45642 |
| 40° | 17719 |
| 45° | 7381 |
| 50° | 1637 |
| 55° | 229 |
| 60° | 175 |
| 65° | 104 |
| 70° | 128 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7381 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.1 | 10.6 |
| 10°-20° | 152.8 | 28.9 |
| 20°-30° | 191.4 | 36.2 |
| 30°-40° | 107.0 | 20.2 |
| 40°-50° | 20.3 | 3.8 |
| 50°-60° | 1.0 | 0.2 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.1 | 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° | 400.3 | 75.7 |
| 0°-40° | 507.3 | 95.9 |
| 0°-60° | 528.7 | 99.9 |
| 0°-90° | 529.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 529.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 632 | |
| 5° | 594 | 56 |
| 15° | 549 | 153 |
| 25° | 428 | 191 |
| 35° | 170 | 107 |
| 45° | 24 | 20 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 632.1 |
| 1° | 629.5 |
| 2° | 621.3 |
| 3° | 611.5 |
| 4° | 602.4 |
| 5° | 594.4 |
| 6° | 588.4 |
| 7° | 583.2 |
| 8° | 579.3 |
| 9° | 575.6 |
| 10° | 572.4 |
| 11° | 569.1 |
| 12° | 565.4 |
| 13° | 560.9 |
| 14° | 555.5 |
| 15° | 548.6 |
| 16° | 540.1 |
| 17° | 530.6 |
| 18° | 519.8 |
| 19° | 507.4 |
| 20° | 496.2 |
| 21° | 484.1 |
| 22° | 471.5 |
| 23° | 458.3 |
| 24° | 443.8 |
| 25° | 427.8 |
| 26° | 409.0 |
| 27° | 388.0 |
| 28° | 364.4 |
| 29° | 339.3 |
| 30° | 312.3 |
| 31° | 285.0 |
| 32° | 256.9 |
| 32.5° | 241.5 |
| 33° | 227.6 |
| 34° | 198.9 |
| 35° | 170.5 |
| 36° | 145.0 |
| 37° | 117.9 |
| 37.5° | 105.6 |
| 38° | 93.5 |
| 39° | 75.3 |
| 40° | 61.9 |
| 42.5° | 37.7 |
| 45° | 23.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|------|
| 47.5° | 13.2 |
| 50° | 4.8 |
| 52.5° | 1.1 |
| 55° | 0.6 |
| 57.5° | 0.4 |
| 60° | 0.4 |
| 62.5° | 0.2 |
| 65° | 0.2 |
| 67.5° | 0.2 |
| 70° | 0.2 |
| 72.5° | 0.2 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)