

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: P1293204

Luminaire Tested: P3AS09R40W2N902750DE010 E3D1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R40W2N902750DE010 E3D1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.1 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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





TEST NUMBER: P1293204

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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 | 100 | 100 |
| 1 | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 98 | 98 | 96 | 96 | 96 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 96 | 95 | 94 | 92 | 92 | 92 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | 89 | 89 | 89 |
| 4 | 103 | 97 | 93 | 90 | 102 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 86 | 85 | 85 | 85 | 85 |
| 5 | 100 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 82 | 82 | 82 |
| 6 | 96 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 79 | 79 | 79 | 79 |
| 7 | 93 | 86 | 82 | 79 | 92 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 76 | 76 | 76 | 76 |
| 8 | 90 | 83 | 79 | 76 | 89 | 83 | 78 | 75 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 73 | 73 | 73 | 73 |
| 9 | 87 | 80 | 76 | 73 | 87 | 80 | 76 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 77 | 74 | 72 | 71 | 71 | 71 | 71 |
| 10 | 85 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 73 | 70 | 76 | 72 | 70 | 75 | 72 | 70 | 69 | 69 | 69 | 69 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 437553 |
| 5° | 435438 |
| 10° | 421257 |
| 15° | 372692 |
| 20° | 243154 |
| 25° | 86134 |
| 30° | 18256 |
| 35° | 6023 |
| 40° | 2204 |
| 45° | 744 |
| 50° | 614 |
| 55° | 688 |
| 60° | 526 |
| 65° | 623 |
| 70° | 385 |
| 75° | 508 |
| 80° | 758 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 1008 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 186.1 | 22.4 |
| 10°-20° | 433.5 | 52.2 |
| 20°-30° | 188.1 | 22.6 |
| 30°-40° | 17.3 | 2.1 |
| 40°-50° | 2.5 | 0.3 |
| 50°-60° | 1.5 | 0.2 |
| 60°-70° | 1.1 | 0.1 |
| 70°-80° | 0.6 | 0.1 |
| 80°-90° | 0.2 | 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° | 807.7 | 97.2 |
| 0°-40° | 825.1 | 99.3 |
| 0°-60° | 829.1 | 99.8 |
| 0°-90° | 831.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 831.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1995 | |
| 5° | 1978 | 186 |
| 15° | 1642 | 433 |
| 25° | 356 | 188 |
| 35° | 22 | 17 |
| 45° | 2 | 2 |
| 55° | 2 | 2 |
| 65° | 1 | 1 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1995.4 |
| 2.5° | 1993.0 |
| 5° | 1978.2 |
| 7.5° | 1946.9 |
| 10° | 1891.9 |
| 12.5° | 1799.0 |
| 15° | 1641.7 |
| 17.5° | 1380.9 |
| 20° | 1042.0 |
| 22.5° | 676.6 |
| 25° | 356.0 |
| 27.5° | 153.2 |
| 30° | 72.1 |
| 32.5° | 39.0 |
| 35° | 22.5 |
| 37.5° | 13.6 |
| 40° | 7.7 |
| 42.5° | 4.1 |
| 45° | 2.4 |
| 47.5° | 1.8 |
| 50° | 1.8 |
| 52.5° | 1.8 |
| 55° | 1.8 |
| 57.5° | 1.8 |
| 60° | 1.2 |
| 62.5° | 1.2 |
| 65° | 1.2 |
| 67.5° | 1.2 |
| 70° | 0.6 |
| 72.5° | 0.6 |
| 75° | 0.6 |
| 77.5° | 0.6 |
| 80° | 0.6 |
| 82.5° | 0.6 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)