

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: P1293224

Luminaire Tested: P3AS09R40W2N902750DE010 E3DL1H_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R40W2N902750DE010 E3DL1H_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

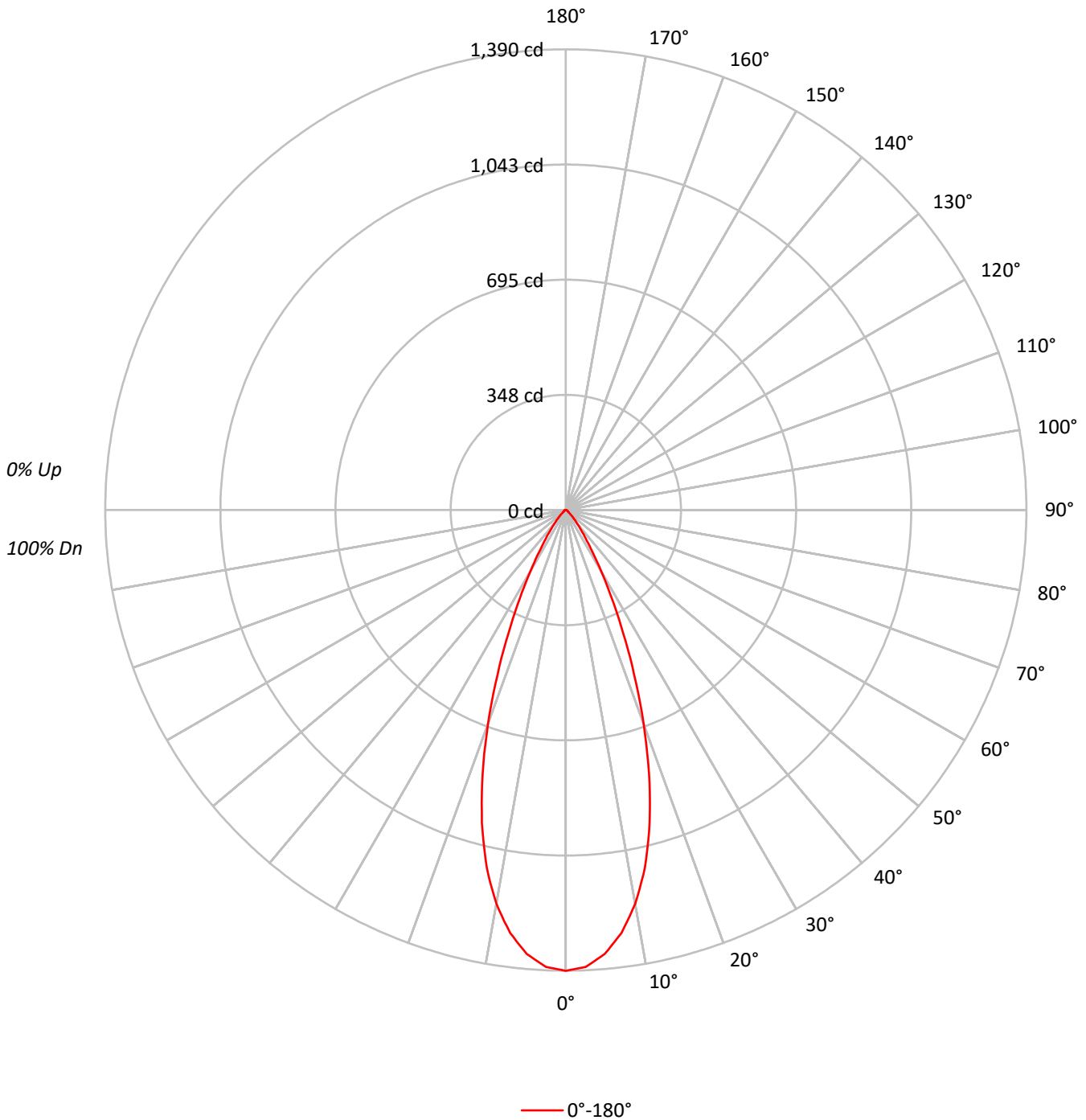
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 689.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
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





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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 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 3 | 104 | 99 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 84 | 84 | 84 | 84 |
| 4 | 100 | 93 | 88 | 85 | 98 | 92 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 84 | 81 | 80 | 80 | 80 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 78 | 83 | 80 | 77 | 76 | 76 | 76 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 | 69 | 69 | 69 |
| 8 | 85 | 76 | 71 | 68 | 84 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 67 | 65 | 65 | 65 | 65 |
| 9 | 82 | 73 | 68 | 64 | 81 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 64 | 70 | 66 | 64 | 63 | 63 | 63 | 63 |
| 10 | 78 | 70 | 65 | 62 | 78 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 64 | 61 | 60 | 60 | 60 | 60 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 304888 |
| 5° | 296015 |
| 10° | 268621 |
| 15° | 221931 |
| 20° | 160081 |
| 25° | 99006 |
| 30° | 53603 |
| 35° | 27706 |
| 40° | 15057 |
| 45° | 8435 |
| 50° | 4230 |
| 55° | 3173 |
| 60° | 2851 |
| 65° | 2750 |
| 70° | 2629 |
| 75° | 2542 |
| 80° | 2273 |
| 85° | 1510 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8435 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 124.0 | 18.0 |
| 10°-20° | 266.2 | 38.6 |
| 20°-30° | 190.0 | 27.6 |
| 30°-40° | 69.9 | 10.1 |
| 40°-50° | 22.0 | 3.2 |
| 50°-60° | 7.7 | 1.1 |
| 60°-70° | 5.2 | 0.8 |
| 70°-80° | 3.1 | 0.5 |
| 80°-90° | 0.9 | 0.1 |
| 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° | 580.1 | 84.2 |
| 0°-40° | 650.0 | 94.3 |
| 0°-60° | 679.7 | 98.7 |
| 0°-90° | 689.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 689.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1390 | |
| 5° | 1345 | 124 |
| 15° | 978 | 266 |
| 25° | 409 | 190 |
| 35° | 104 | 70 |
| 45° | 27 | 22 |
| 55° | 8 | 8 |
| 65° | 5 | 5 |
| 75° | 3 | 3 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1390.4 |
| 2.5° | 1379.7 |
| 5° | 1344.8 |
| 7.5° | 1286.9 |
| 10° | 1206.4 |
| 12.5° | 1104.1 |
| 15° | 977.6 |
| 17.5° | 835.6 |
| 20° | 686.0 |
| 22.5° | 538.8 |
| 25° | 409.2 |
| 27.5° | 300.4 |
| 30° | 211.7 |
| 32.5° | 148.4 |
| 35° | 103.5 |
| 37.5° | 73.3 |
| 40° | 52.6 |
| 42.5° | 37.8 |
| 45° | 27.2 |
| 47.5° | 18.3 |
| 50° | 12.4 |
| 52.5° | 8.9 |
| 55° | 8.3 |
| 57.5° | 7.7 |
| 60° | 6.5 |
| 62.5° | 5.9 |
| 65° | 5.3 |
| 67.5° | 4.7 |
| 70° | 4.1 |
| 72.5° | 3.5 |
| 75° | 3.0 |
| 77.5° | 2.4 |
| 80° | 1.8 |
| 82.5° | 1.2 |
| 85° | 0.6 |
| 87.5° | 0.6 |
| 90° | 0.0 |

(END OF REPORT)