

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: P1297050

Luminaire Tested: P3AS13R40W2N902750DE010 E3DLD1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R40W2N902750DE010 E3DLD1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

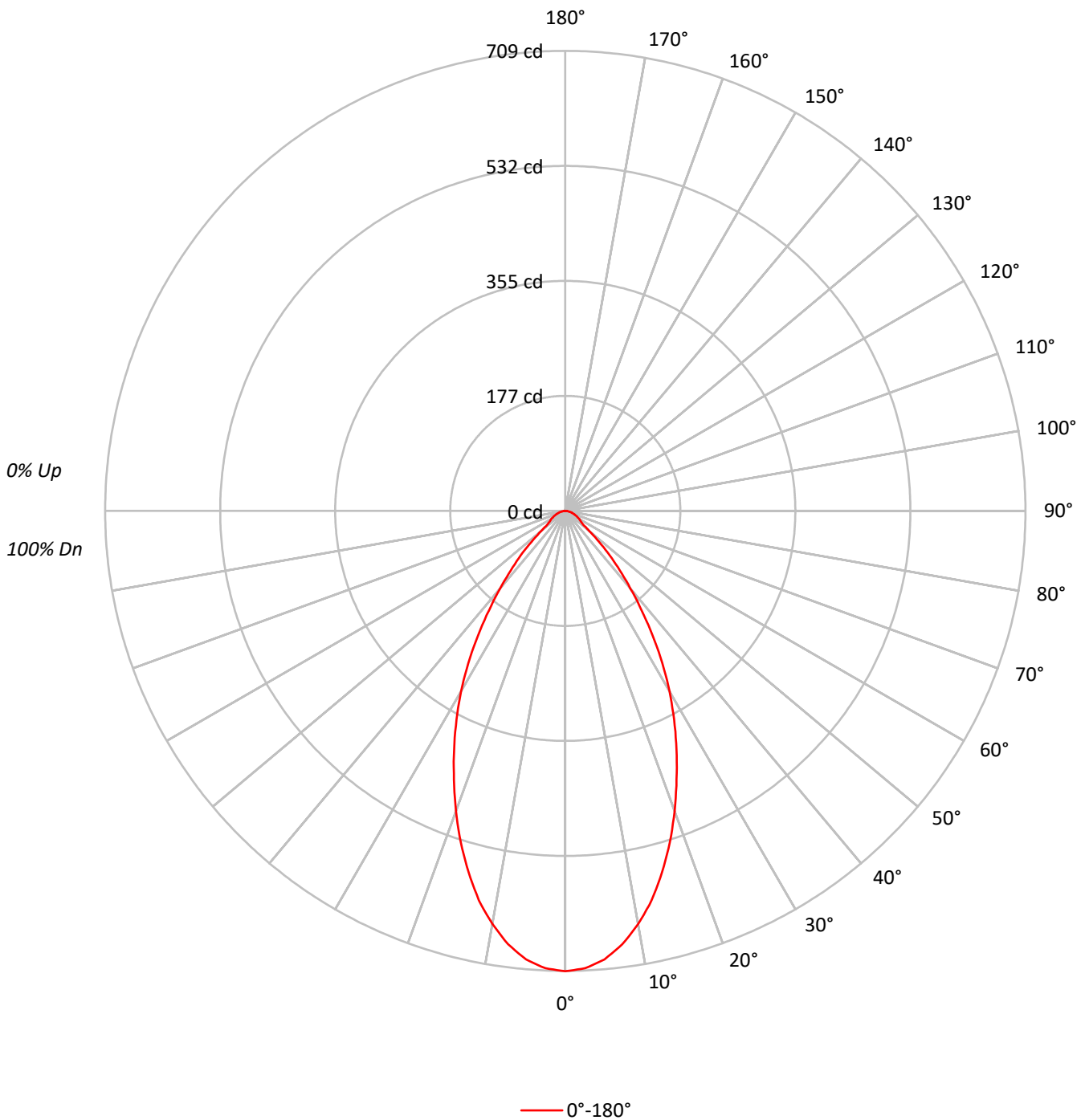
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 91 | | |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | |
| 3 | 100 | 92 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 83 | 80 | 78 | 76 | | |
| 4 | 94 | 85 | 79 | 74 | 92 | 84 | 78 | 74 | 82 | 77 | 73 | 80 | 75 | 72 | 78 | 74 | 71 | 69 | | |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 67 | 76 | 71 | 67 | 75 | 70 | 66 | 73 | 69 | 66 | 64 | | |
| 6 | 84 | 74 | 67 | 62 | 82 | 73 | 67 | 62 | 71 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 61 | 59 | | |
| 7 | 79 | 69 | 62 | 57 | 78 | 68 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 55 | | |
| 8 | 75 | 64 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 53 | 62 | 56 | 53 | 61 | 56 | 52 | 51 | | |
| 9 | 71 | 60 | 54 | 50 | 70 | 60 | 54 | 50 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 48 | | |
| 10 | 67 | 57 | 51 | 46 | 66 | 56 | 50 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 45 | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 155558 |
| 5° | 152740 |
| 10° | 143974 |
| 15° | 130784 |
| 20° | 114880 |
| 25° | 98111 |
| 30° | 81278 |
| 35° | 62694 |
| 40° | 44598 |
| 45° | 30050 |
| 50° | 16409 |
| 55° | 11546 |
| 60° | 10876 |
| 65° | 10066 |
| 70° | 8976 |
| 75° | 8557 |
| 80° | 6819 |
| 85° | 5787 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30050 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.7 | 9.3 |
| 10°-20° | 160.5 | 23.2 |
| 20°-30° | 185.5 | 26.8 |
| 30°-40° | 146.2 | 21.1 |
| 40°-50° | 75.1 | 10.8 |
| 50°-60° | 28.7 | 4.1 |
| 60°-70° | 19.0 | 2.7 |
| 70°-80° | 10.3 | 1.5 |
| 80°-90° | 3.1 | 0.4 |
| 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° | 410.7 | 59.3 |
| 0°-40° | 556.9 | 80.4 |
| 0°-60° | 660.6 | 95.3 |
| 0°-90° | 693.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 693.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 709 | |
| 5° | 694 | 65 |
| 15° | 576 | 160 |
| 25° | 406 | 186 |
| 35° | 234 | 146 |
| 45° | 97 | 75 |
| 55° | 30 | 29 |
| 65° | 19 | 19 |
| 75° | 10 | 10 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 709.4 |
| 2.5° | 705.6 |
| 5° | 693.9 |
| 7.5° | 673.8 |
| 10° | 646.6 |
| 12.5° | 614.8 |
| 15° | 576.1 |
| 17.5° | 535.8 |
| 20° | 492.3 |
| 22.5° | 448.1 |
| 25° | 405.5 |
| 27.5° | 362.9 |
| 30° | 321.0 |
| 32.5° | 278.3 |
| 35° | 234.2 |
| 37.5° | 193.1 |
| 40° | 155.8 |
| 42.5° | 124.1 |
| 45° | 96.9 |
| 47.5° | 70.6 |
| 50° | 48.1 |
| 52.5° | 34.9 |
| 55° | 30.2 |
| 57.5° | 27.1 |
| 60° | 24.8 |
| 62.5° | 21.7 |
| 65° | 19.4 |
| 67.5° | 16.3 |
| 70° | 14.0 |
| 72.5° | 11.6 |
| 75° | 10.1 |
| 77.5° | 7.8 |
| 80° | 5.4 |
| 82.5° | 4.7 |
| 85° | 2.3 |
| 87.5° | 1.6 |
| 90° | 0.0 |

(END OF REPORT)