

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: P1293693

Luminaire Tested: P3AS09R45W2N902765DE010 E3DLD1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R45W2N902765DE010 E3DLD1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

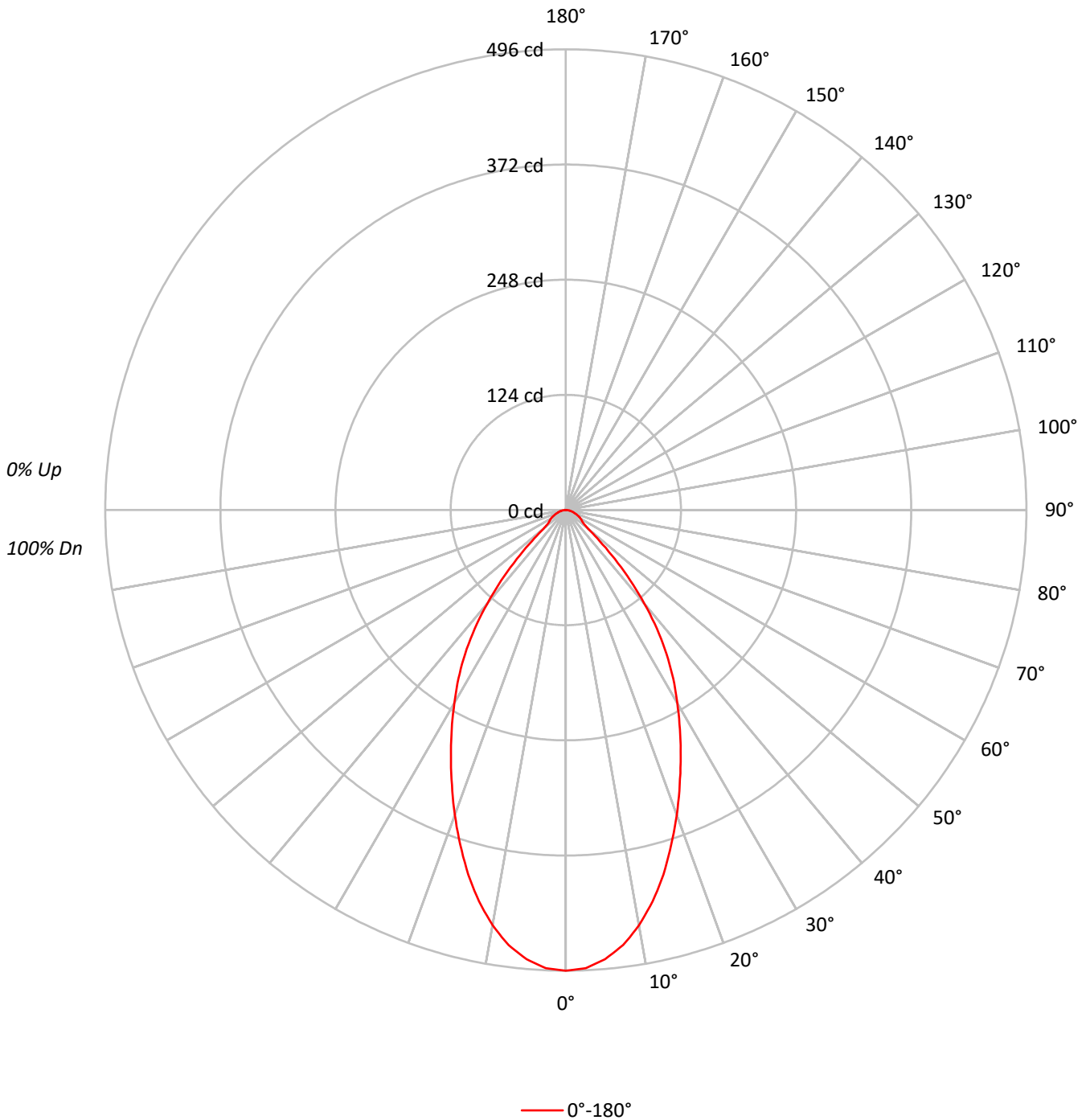
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 513.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
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 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 83 | | | 83 |
| 3 | 99 | 92 | 86 | 82 | 97 | 90 | 85 | 81 | 88 | 83 | 80 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | | | 75 |
| 4 | 94 | 85 | 78 | 74 | 92 | 84 | 78 | 73 | 81 | 76 | 72 | 79 | 75 | 71 | 77 | 74 | 71 | 69 | | | 69 |
| 5 | 88 | 79 | 72 | 67 | 86 | 78 | 71 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 65 | 63 | | | 63 |
| 6 | 83 | 73 | 66 | 61 | 81 | 72 | 66 | 61 | 71 | 65 | 61 | 69 | 64 | 60 | 68 | 63 | 60 | 58 | | | 58 |
| 7 | 78 | 68 | 61 | 57 | 77 | 67 | 61 | 56 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 | | | 54 |
| 8 | 74 | 64 | 57 | 52 | 73 | 63 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | 50 |
| 9 | 70 | 60 | 53 | 49 | 69 | 59 | 53 | 49 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 52 | 48 | 47 | | | 47 |
| 10 | 67 | 56 | 50 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 45 | 44 | | | 44 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 108763 |
| 5° | 106845 |
| 10° | 101089 |
| 15° | 92214 |
| 20° | 81534 |
| 25° | 70794 |
| 30° | 60769 |
| 35° | 50647 |
| 40° | 37728 |
| 45° | 23103 |
| 50° | 10678 |
| 55° | 8372 |
| 60° | 8026 |
| 65° | 7368 |
| 70° | 6796 |
| 75° | 6524 |
| 80° | 5935 |
| 85° | 4529 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23103 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.3 | 8.8 |
| 10°-20° | 113.1 | 22.0 |
| 20°-30° | 134.3 | 26.2 |
| 30°-40° | 116.7 | 22.8 |
| 40°-50° | 58.5 | 11.4 |
| 50°-60° | 20.3 | 4.0 |
| 60°-70° | 14.3 | 2.8 |
| 70°-80° | 8.0 | 1.5 |
| 80°-90° | 2.4 | 0.5 |
| 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° | 292.8 | 57.1 |
| 0°-40° | 409.5 | 79.8 |
| 0°-60° | 488.4 | 95.2 |
| 0°-90° | 513.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 513.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 496 | |
| 5° | 485 | 45 |
| 15° | 406 | 113 |
| 25° | 293 | 134 |
| 35° | 189 | 117 |
| 45° | 74 | 59 |
| 55° | 22 | 20 |
| 65° | 14 | 14 |
| 75° | 8 | 8 |
| 85° | 2 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 496.0 |
| 2.5° | 493.7 |
| 5° | 485.4 |
| 7.5° | 472.4 |
| 10° | 454.0 |
| 12.5° | 431.6 |
| 15° | 406.2 |
| 17.5° | 377.8 |
| 20° | 349.4 |
| 22.5° | 320.4 |
| 25° | 292.6 |
| 27.5° | 266.0 |
| 30° | 240.0 |
| 32.5° | 215.2 |
| 35° | 189.2 |
| 37.5° | 161.4 |
| 40° | 131.8 |
| 42.5° | 102.9 |
| 45° | 74.5 |
| 47.5° | 49.1 |
| 50° | 31.3 |
| 52.5° | 24.2 |
| 55° | 21.9 |
| 57.5° | 20.1 |
| 60° | 18.3 |
| 62.5° | 16.6 |
| 65° | 14.2 |
| 67.5° | 12.4 |
| 70° | 10.6 |
| 72.5° | 8.9 |
| 75° | 7.7 |
| 77.5° | 5.9 |
| 80° | 4.7 |
| 82.5° | 3.5 |
| 85° | 1.8 |
| 87.5° | 1.2 |
| 90° | 0.0 |

(END OF REPORT)