

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: P1255375

Luminaire Tested: P3AS20R259035D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R259035D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

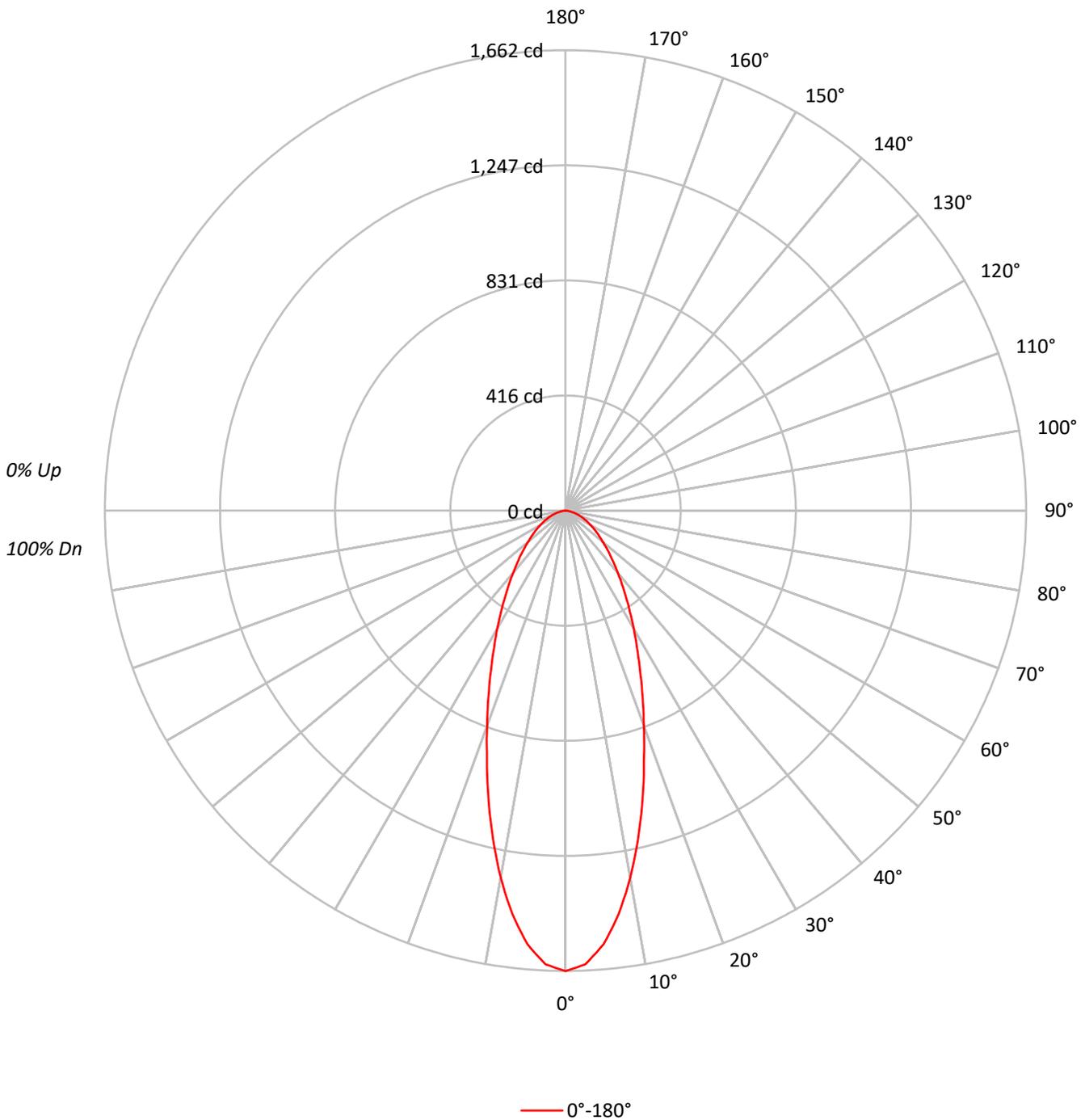
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.71
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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 | 102 | 102 | 102 | 100 |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 95 | 93 | 92 | 95 | 93 | 92 | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 87 | 84 | 82 | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 83 | 78 | 75 | 80 | 77 | 74 | 80 | 77 | 74 | 72 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 69 | 78 | 73 | 69 | 76 | 72 | 68 | 74 | 70 | 67 | 74 | 70 | 67 | 65 |
| 5 | 86 | 76 | 68 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 69 | 65 | 61 | 59 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 57 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 |
| 7 | 76 | 65 | 58 | 53 | 75 | 64 | 58 | 53 | 63 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 61 | 56 | 52 | 50 |
| 8 | 72 | 61 | 54 | 49 | 71 | 60 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 48 | 57 | 52 | 48 | 47 |
| 9 | 68 | 57 | 50 | 46 | 67 | 57 | 50 | 46 | 56 | 50 | 46 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 49 | 45 | 44 |
| 10 | 65 | 54 | 47 | 43 | 64 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 46 | 43 | 51 | 46 | 42 | 51 | 46 | 42 | 41 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 364510 |
| 5° | 346004 |
| 10° | 299683 |
| 15° | 243974 |
| 20° | 192773 |
| 25° | 153710 |
| 30° | 124627 |
| 35° | 101509 |
| 40° | 84100 |
| 45° | 70860 |
| 50° | 59972 |
| 55° | 52796 |
| 60° | 46268 |
| 65° | 40367 |
| 70° | 35391 |
| 75° | 29823 |
| 80° | 22225 |
| 85° | 12580 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 70860 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 142.7 | 10.2 |
| 10°-20° | 298.0 | 21.3 |
| 20°-30° | 293.7 | 21.0 |
| 30°-40° | 239.1 | 17.1 |
| 40°-50° | 177.4 | 12.7 |
| 50°-60° | 123.9 | 8.9 |
| 60°-70° | 77.6 | 5.6 |
| 70°-80° | 37.4 | 2.7 |
| 80°-90° | 7.2 | 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° | 734.5 | 52.6 |
| 0°-40° | 973.6 | 69.7 |
| 0°-60° | 1274.9 | 91.3 |
| 0°-90° | 1397.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1397.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1662 | |
| 5° | 1572 | 143 |
| 15° | 1075 | 298 |
| 25° | 635 | 294 |
| 35° | 379 | 239 |
| 45° | 228 | 177 |
| 55° | 138 | 124 |
| 65° | 78 | 78 |
| 75° | 35 | 37 |
| 85° | 5 | 7 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1662.3 |
| 2.5° | 1639.7 |
| 5° | 1571.9 |
| 7.5° | 1468.9 |
| 10° | 1345.9 |
| 12.5° | 1210.3 |
| 15° | 1074.7 |
| 17.5° | 941.6 |
| 20° | 826.1 |
| 22.5° | 725.7 |
| 25° | 635.3 |
| 27.5° | 557.4 |
| 30° | 492.2 |
| 32.5° | 431.9 |
| 35° | 379.2 |
| 37.5° | 334.0 |
| 40° | 293.8 |
| 42.5° | 258.6 |
| 45° | 228.5 |
| 47.5° | 200.9 |
| 50° | 175.8 |
| 52.5° | 155.7 |
| 55° | 138.1 |
| 57.5° | 120.5 |
| 60° | 105.5 |
| 62.5° | 90.4 |
| 65° | 77.8 |
| 67.5° | 65.3 |
| 70° | 55.2 |
| 72.5° | 45.2 |
| 75° | 35.2 |
| 77.5° | 25.1 |
| 80° | 17.6 |
| 82.5° | 10.0 |
| 85° | 5.0 |
| 87.5° | 2.5 |
| 90° | 0.0 |

(END OF REPORT)