

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: P1265976

Luminaire Tested: P3AS20R659730D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R659730D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

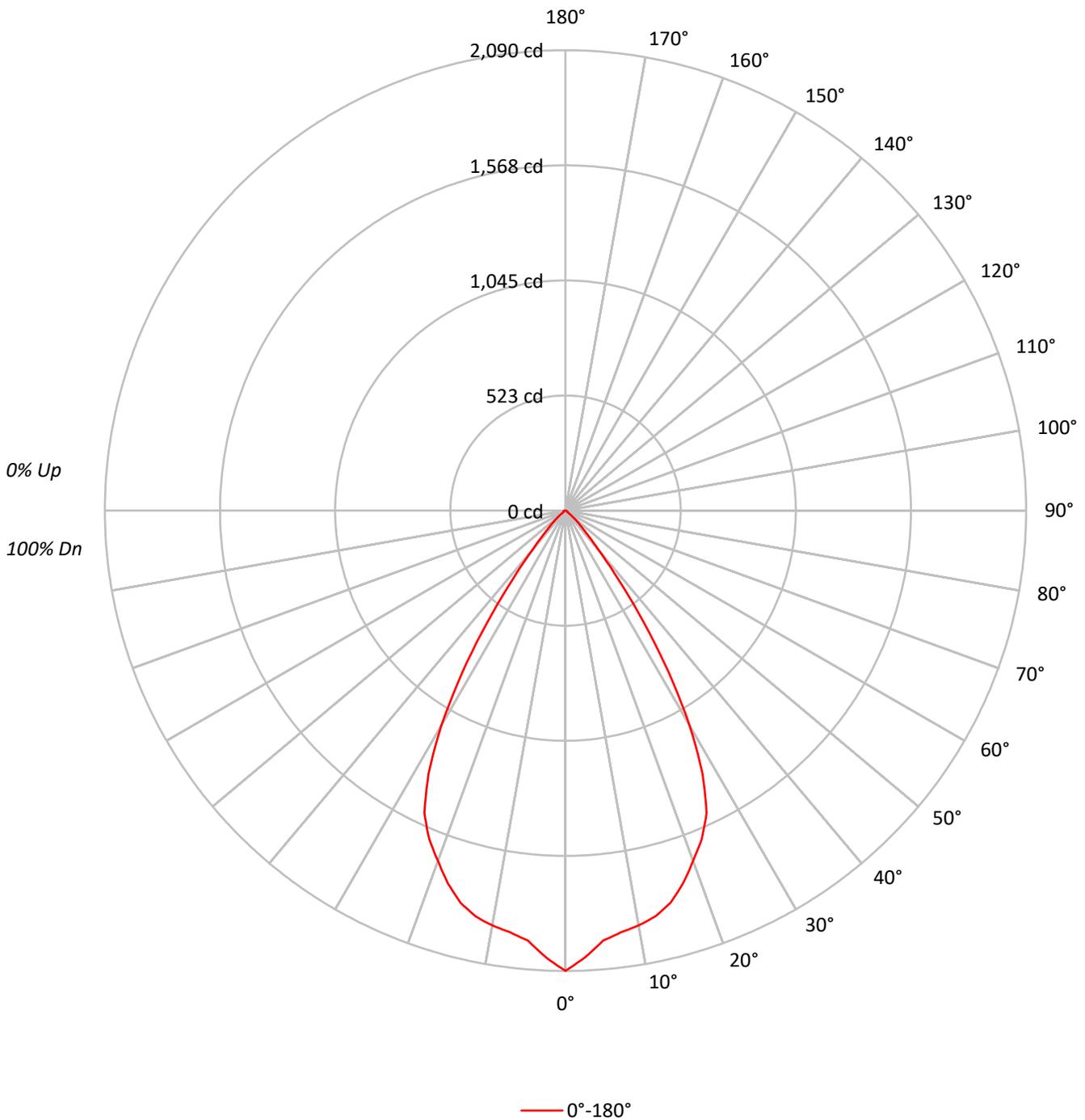
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1875.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 94 | 94 | 94 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 92 | 90 | 89 | 87 | 87 | 87 | 87 |
| 3 | 103 | 96 | 91 | 87 | 101 | 95 | 90 | 87 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 81 | 81 | 81 | 81 |
| 4 | 97 | 90 | 84 | 80 | 96 | 89 | 84 | 80 | 87 | 82 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | 75 | 75 | 75 |
| 5 | 93 | 84 | 78 | 74 | 91 | 83 | 78 | 74 | 82 | 77 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 70 | 70 | 70 | 70 |
| 6 | 88 | 79 | 73 | 69 | 86 | 78 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 66 | 66 | 66 | 66 |
| 7 | 84 | 74 | 68 | 64 | 82 | 74 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 62 | 62 | 62 | 62 |
| 8 | 80 | 70 | 64 | 60 | 78 | 69 | 64 | 60 | 68 | 63 | 60 | 67 | 63 | 59 | 66 | 62 | 59 | 58 | 58 | 58 | 58 |
| 9 | 76 | 66 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 63 | 59 | 56 | 54 | 54 | 54 | 54 |
| 10 | 72 | 63 | 57 | 53 | 71 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 60 | 55 | 52 | 51 | 51 | 51 | 51 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 458209 |
| 5° | 431256 |
| 10° | 425777 |
| 15° | 418254 |
| 20° | 394904 |
| 25° | 366529 |
| 30° | 284905 |
| 35° | 164818 |
| 40° | 66410 |
| 45° | 30577 |
| 50° | 11906 |
| 55° | 4626 |
| 60° | 3991 |
| 65° | 3943 |
| 70° | 3911 |
| 75° | 3813 |
| 80° | 3788 |
| 85° | 3774 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30577 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 186.2 | 9.9 |
| 10°-20° | 514.5 | 27.4 |
| 20°-30° | 673.5 | 35.9 |
| 30°-40° | 390.1 | 20.8 |
| 40°-50° | 83.5 | 4.5 |
| 50°-60° | 13.6 | 0.7 |
| 60°-70° | 7.5 | 0.4 |
| 70°-80° | 4.4 | 0.2 |
| 80°-90° | 1.6 | 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° | 1374.3 | 73.3 |
| 0°-40° | 1764.4 | 94.1 |
| 0°-60° | 1861.5 | 99.3 |
| 0°-90° | 1875.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1875.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2090 | |
| 5° | 1959 | 186 |
| 15° | 1842 | 515 |
| 25° | 1515 | 674 |
| 35° | 616 | 390 |
| 45° | 99 | 84 |
| 55° | 12 | 14 |
| 65° | 8 | 8 |
| 75° | 4 | 4 |
| 85° | 2 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2089.6 |
| 2.5° | 2030.5 |
| 5° | 1959.2 |
| 7.5° | 1930.4 |
| 10° | 1912.2 |
| 12.5° | 1886.4 |
| 15° | 1842.4 |
| 17.5° | 1774.2 |
| 20° | 1692.3 |
| 22.5° | 1615.0 |
| 25° | 1514.9 |
| 27.5° | 1346.6 |
| 30° | 1125.2 |
| 32.5° | 871.9 |
| 35° | 615.7 |
| 37.5° | 389.7 |
| 40° | 232.0 |
| 42.5° | 145.6 |
| 45° | 98.6 |
| 47.5° | 63.7 |
| 50° | 34.9 |
| 52.5° | 16.7 |
| 55° | 12.1 |
| 57.5° | 10.6 |
| 60° | 9.1 |
| 62.5° | 9.1 |
| 65° | 7.6 |
| 67.5° | 6.1 |
| 70° | 6.1 |
| 72.5° | 4.5 |
| 75° | 4.5 |
| 77.5° | 3.0 |
| 80° | 3.0 |
| 82.5° | 1.5 |
| 85° | 1.5 |
| 87.5° | 1.5 |
| 90° | 0.0 |

(END OF REPORT)