

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: P1258051

Luminaire Tested: P3AS20R209040D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209040D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

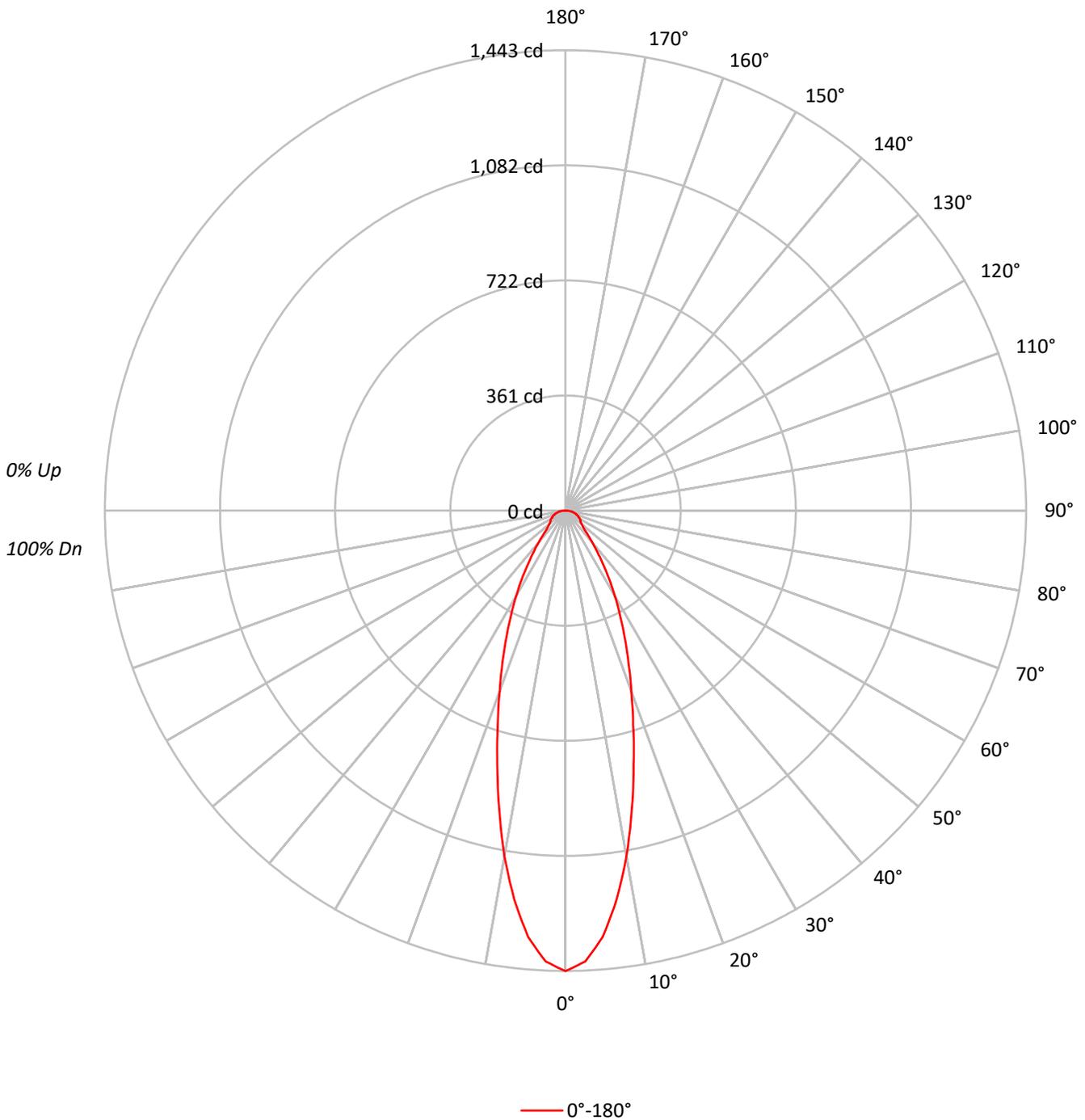
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 890.0 lumens
Efficiency: N/A
Efficacy: 30.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
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 | | | | 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 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | 90 | 90 | 90 |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 85 | 83 | 81 | 81 | 81 | 81 |
| 3 | 99 | 91 | 85 | 80 | 97 | 90 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | 74 | 74 | 74 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 73 | 81 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 70 | 68 | 68 | 68 | 68 |
| 5 | 88 | 79 | 72 | 67 | 86 | 78 | 71 | 67 | 76 | 70 | 66 | 74 | 69 | 66 | 72 | 68 | 65 | 63 | 63 | 63 | 63 |
| 6 | 84 | 74 | 67 | 62 | 82 | 73 | 66 | 62 | 71 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 61 | 59 | 59 | 59 | 59 |
| 7 | 79 | 69 | 63 | 58 | 78 | 68 | 62 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 55 | 55 | 55 | 55 |
| 8 | 76 | 65 | 59 | 54 | 74 | 65 | 58 | 54 | 64 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 53 | 52 | 52 | 52 | 52 |
| 9 | 72 | 62 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 58 | 54 | 50 | 49 | 49 | 49 | 49 |
| 10 | 69 | 59 | 52 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 46 | 46 | 46 | 46 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 316488 |
| 5° | 295223 |
| 10° | 244974 |
| 15° | 187311 |
| 20° | 140596 |
| 25° | 105853 |
| 30° | 78265 |
| 35° | 54690 |
| 40° | 37499 |
| 45° | 25987 |
| 50° | 22345 |
| 55° | 22021 |
| 60° | 22981 |
| 65° | 23089 |
| 70° | 23530 |
| 75° | 24400 |
| 80° | 26519 |
| 85° | 26418 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 30744 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 120.2 | 13.5 |
| 10°-20° | 229.4 | 25.8 |
| 20°-30° | 201.8 | 22.7 |
| 30°-40° | 130.3 | 14.6 |
| 40°-50° | 69.0 | 7.8 |
| 50°-60° | 51.9 | 5.8 |
| 60°-70° | 44.1 | 5.0 |
| 70°-80° | 31.1 | 3.5 |
| 80°-90° | 12.1 | 1.4 |
| 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° | 551.4 | 62.0 |
| 0°-40° | 681.7 | 76.6 |
| 0°-60° | 802.6 | 90.2 |
| 0°-90° | 890.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 890.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1443 | |
| 5° | 1341 | 120 |
| 15° | 825 | 229 |
| 25° | 438 | 202 |
| 35° | 204 | 130 |
| 45° | 84 | 69 |
| 55° | 58 | 52 |
| 65° | 44 | 44 |
| 75° | 29 | 31 |
| 85° | 10 | 12 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1443.3 |
| 2.5° | 1414.5 |
| 5° | 1341.2 |
| 7.5° | 1228.5 |
| 10° | 1100.2 |
| 12.5° | 958.7 |
| 15° | 825.1 |
| 17.5° | 704.6 |
| 20° | 602.5 |
| 22.5° | 516.0 |
| 25° | 437.5 |
| 27.5° | 369.3 |
| 30° | 309.1 |
| 32.5° | 254.1 |
| 35° | 204.3 |
| 37.5° | 165.0 |
| 40° | 131.0 |
| 42.5° | 104.8 |
| 45° | 83.8 |
| 47.5° | 73.3 |
| 50° | 65.5 |
| 52.5° | 60.2 |
| 55° | 57.6 |
| 57.5° | 55.0 |
| 60° | 52.4 |
| 62.5° | 47.2 |
| 65° | 44.5 |
| 67.5° | 41.9 |
| 70° | 36.7 |
| 72.5° | 34.1 |
| 75° | 28.8 |
| 77.5° | 26.2 |
| 80° | 21.0 |
| 82.5° | 18.3 |
| 85° | 10.5 |
| 87.5° | 5.2 |
| 90° | 0.0 |

(END OF REPORT)