

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: P1260621

Luminaire Tested: P3AS20R159050D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159050D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

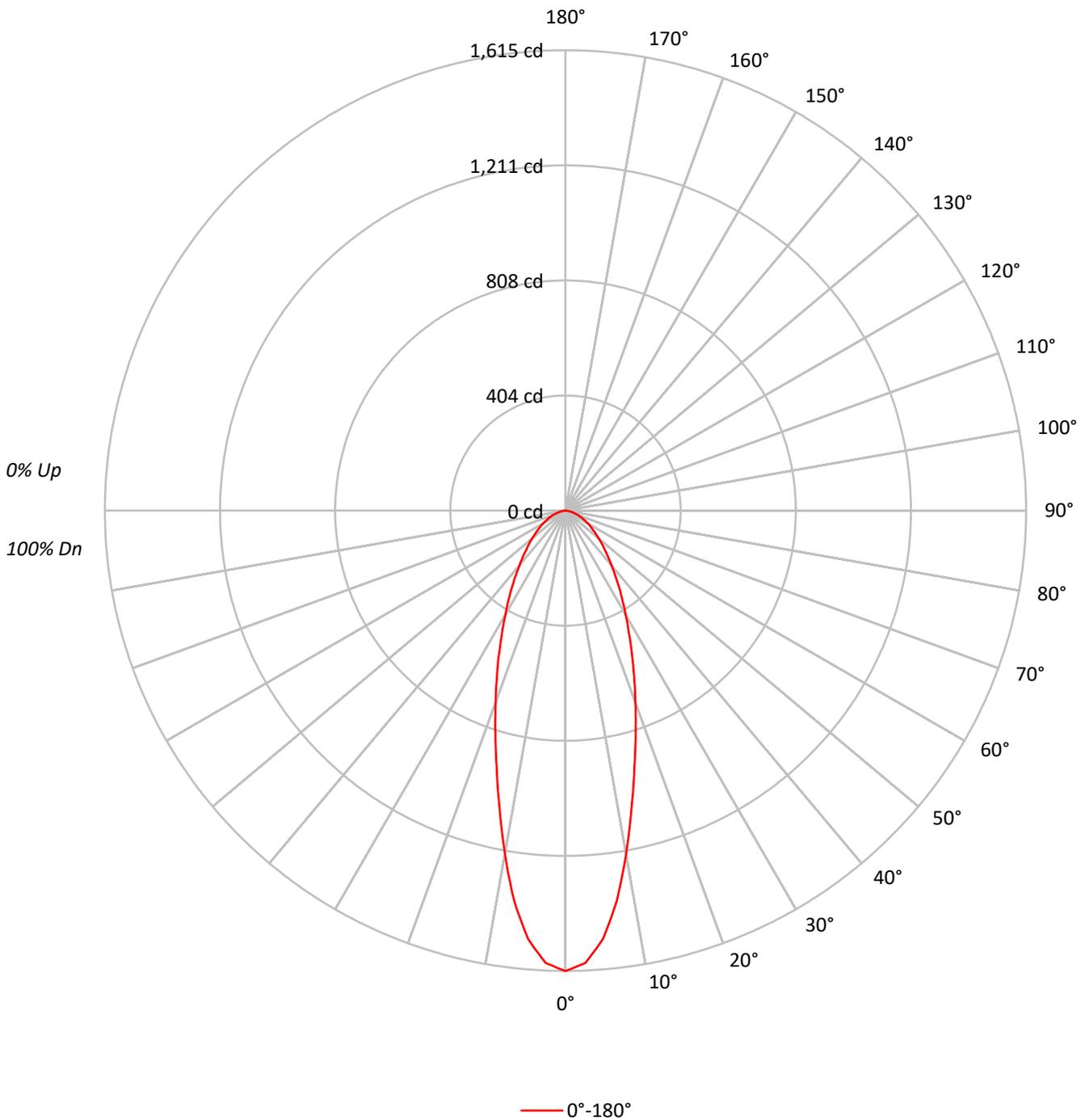
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1217.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
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 | 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 | 104 | 98 | 93 | 89 | 102 | 97 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 85 | 82 | 80 | 80 | 80 | 80 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 85 | 81 | 77 | 83 | 79 | 75 | 81 | 77 | 74 | 72 | 72 | 72 | 72 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 66 | 66 | 66 | 66 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 60 | 60 | 60 | 60 |
| 6 | 81 | 70 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 55 | 55 | 55 | 55 |
| 7 | 77 | 66 | 59 | 54 | 75 | 65 | 58 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 51 | 51 | 51 | 51 |
| 8 | 72 | 61 | 55 | 50 | 71 | 61 | 54 | 50 | 60 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 47 | 47 | 47 | 47 |
| 9 | 69 | 58 | 51 | 46 | 68 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 44 | 44 | 44 | 44 |
| 10 | 65 | 54 | 48 | 44 | 64 | 54 | 48 | 44 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 42 | 42 | 42 | 42 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 354160 |
| 5° | 332004 |
| 10° | 272228 |
| 15° | 211511 |
| 20° | 166941 |
| 25° | 133048 |
| 30° | 106801 |
| 35° | 87187 |
| 40° | 71820 |
| 45° | 60440 |
| 50° | 51922 |
| 55° | 44921 |
| 60° | 39821 |
| 65° | 34608 |
| 70° | 30839 |
| 75° | 24909 |
| 80° | 20205 |
| 85° | 13335 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 60440 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 134.7 | 11.1 |
| 10°-20° | 261.0 | 21.4 |
| 20°-30° | 253.6 | 20.8 |
| 30°-40° | 205.0 | 16.8 |
| 40°-50° | 152.2 | 12.5 |
| 50°-60° | 106.4 | 8.7 |
| 60°-70° | 66.6 | 5.5 |
| 70°-80° | 31.7 | 2.6 |
| 80°-90° | 5.8 | 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° | 649.3 | 53.4 |
| 0°-40° | 854.3 | 70.2 |
| 0°-60° | 1112.9 | 91.4 |
| 0°-90° | 1217.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1217.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1615 | |
| 5° | 1508 | 135 |
| 15° | 932 | 261 |
| 25° | 550 | 254 |
| 35° | 326 | 205 |
| 45° | 195 | 152 |
| 55° | 118 | 106 |
| 65° | 67 | 67 |
| 75° | 29 | 32 |
| 85° | 5 | 6 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1615.1 |
| 2.5° | 1588.4 |
| 5° | 1508.3 |
| 7.5° | 1380.1 |
| 10° | 1222.6 |
| 12.5° | 1067.8 |
| 15° | 931.7 |
| 17.5° | 816.9 |
| 20° | 715.4 |
| 22.5° | 627.3 |
| 25° | 549.9 |
| 27.5° | 480.5 |
| 30° | 421.8 |
| 32.5° | 371.1 |
| 35° | 325.7 |
| 37.5° | 285.6 |
| 40° | 250.9 |
| 42.5° | 221.6 |
| 45° | 194.9 |
| 47.5° | 173.5 |
| 50° | 152.2 |
| 52.5° | 133.5 |
| 55° | 117.5 |
| 57.5° | 104.1 |
| 60° | 90.8 |
| 62.5° | 77.4 |
| 65° | 66.7 |
| 67.5° | 56.1 |
| 70° | 48.1 |
| 72.5° | 37.4 |
| 75° | 29.4 |
| 77.5° | 21.4 |
| 80° | 16.0 |
| 82.5° | 8.0 |
| 85° | 5.3 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)