

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: P1272728

Luminaire Tested: P3AS20R459827D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459827D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

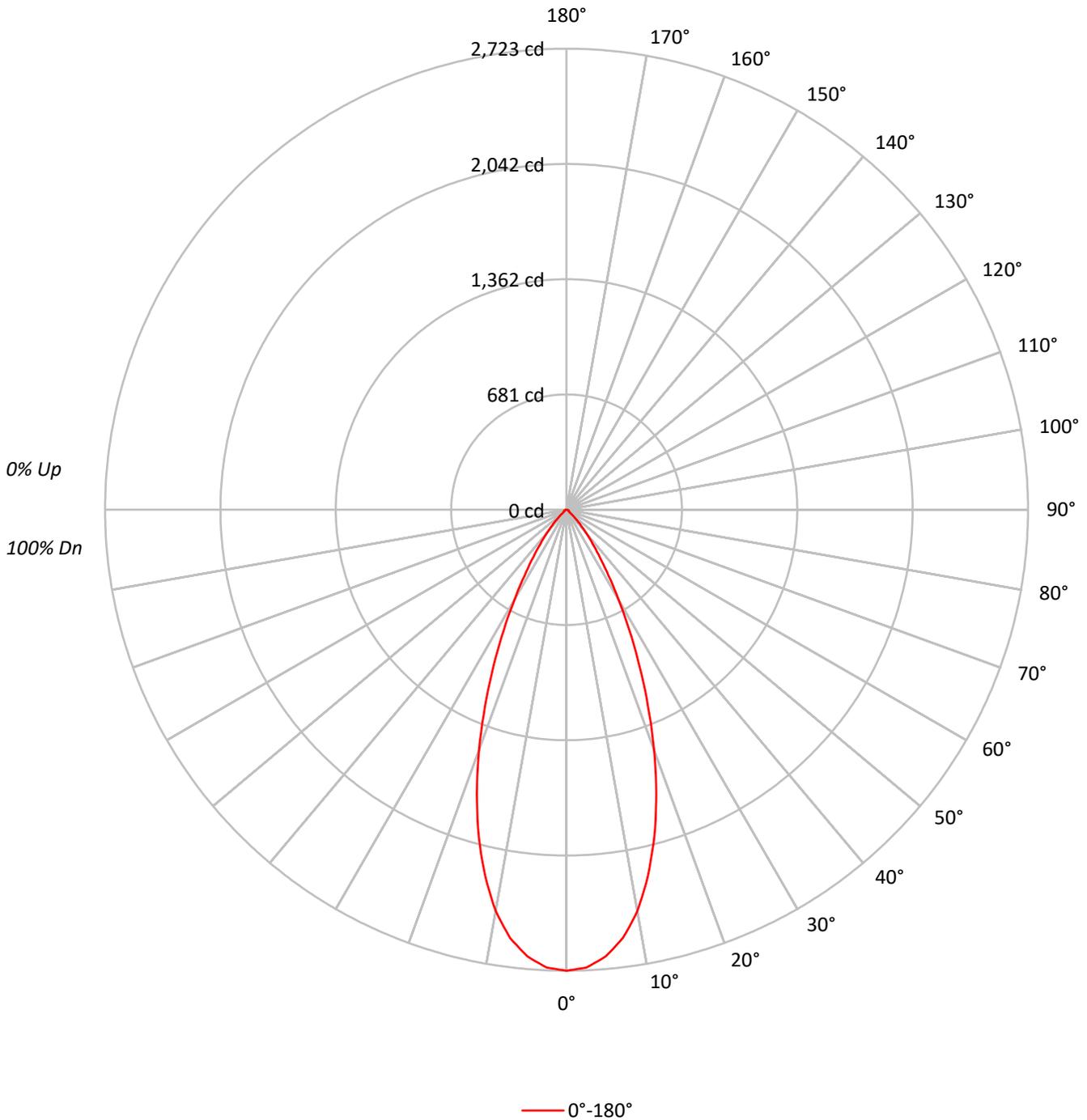
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1590.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | | | 94 |
| 2 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 91 | 90 | 88 | | | 88 |
| 3 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 86 | 84 | 83 | | | 83 |
| 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 82 | 89 | 85 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 78 | | | 78 |
| 5 | 94 | 87 | 81 | 77 | 93 | 86 | 81 | 77 | 84 | 80 | 76 | 82 | 79 | 76 | 81 | 78 | 75 | 74 | | | 74 |
| 6 | 90 | 82 | 77 | 73 | 89 | 81 | 76 | 72 | 80 | 75 | 72 | 78 | 74 | 71 | 77 | 74 | 71 | 70 | | | 70 |
| 7 | 86 | 78 | 72 | 68 | 85 | 77 | 72 | 68 | 76 | 71 | 68 | 75 | 71 | 67 | 74 | 70 | 67 | 66 | | | 66 |
| 8 | 83 | 74 | 68 | 65 | 82 | 73 | 68 | 64 | 72 | 68 | 64 | 71 | 67 | 64 | 70 | 67 | 64 | 62 | | | 62 |
| 9 | 79 | 70 | 65 | 61 | 78 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 63 | 61 | 59 | | | 59 |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 62 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 65 | 61 | 58 | 57 | | | 57 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 597101 |
| 5° | 583115 |
| 10° | 536018 |
| 15° | 454191 |
| 20° | 352387 |
| 25° | 246329 |
| 30° | 155188 |
| 35° | 91363 |
| 40° | 51697 |
| 45° | 25119 |
| 50° | 8733 |
| 55° | 7073 |
| 60° | 6842 |
| 65° | 6641 |
| 70° | 6411 |
| 75° | 6015 |
| 80° | 5430 |
| 85° | 3522 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25119 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 245.2 | 15.4 |
| 10°-20° | 549.4 | 34.6 |
| 20°-30° | 466.5 | 29.3 |
| 30°-40° | 222.6 | 14.0 |
| 40°-50° | 67.0 | 4.2 |
| 50°-60° | 17.0 | 1.1 |
| 60°-70° | 12.7 | 0.8 |
| 70°-80° | 7.5 | 0.5 |
| 80°-90° | 2.1 | 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° | 1261.1 | 79.3 |
| 0°-40° | 1483.7 | 93.3 |
| 0°-60° | 1567.7 | 98.6 |
| 0°-90° | 1590.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1590.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2723 | |
| 5° | 2649 | 245 |
| 15° | 2001 | 549 |
| 25° | 1018 | 467 |
| 35° | 341 | 223 |
| 45° | 81 | 67 |
| 55° | 18 | 17 |
| 65° | 13 | 13 |
| 75° | 7 | 8 |
| 85° | 1 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 2723.0 |
| 2.5° | 2705.9 |
| 5° | 2649.1 |
| 7.5° | 2550.9 |
| 10° | 2407.3 |
| 12.5° | 2216.8 |
| 15° | 2000.7 |
| 17.5° | 1760.3 |
| 20° | 1510.1 |
| 22.5° | 1255.6 |
| 25° | 1018.1 |
| 27.5° | 802.0 |
| 30° | 612.9 |
| 32.5° | 460.7 |
| 35° | 341.3 |
| 37.5° | 251.7 |
| 40° | 180.6 |
| 42.5° | 125.1 |
| 45° | 81.0 |
| 47.5° | 45.5 |
| 50° | 25.6 |
| 52.5° | 19.9 |
| 55° | 18.5 |
| 57.5° | 17.1 |
| 60° | 15.6 |
| 62.5° | 14.2 |
| 65° | 12.8 |
| 67.5° | 11.4 |
| 70° | 10.0 |
| 72.5° | 8.5 |
| 75° | 7.1 |
| 77.5° | 5.7 |
| 80° | 4.3 |
| 82.5° | 2.8 |
| 85° | 1.4 |
| 87.5° | 1.4 |
| 90° | 0.0 |

(END OF REPORT)