

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: P1258128

Luminaire Tested: P3AS20R359040D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R359040D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

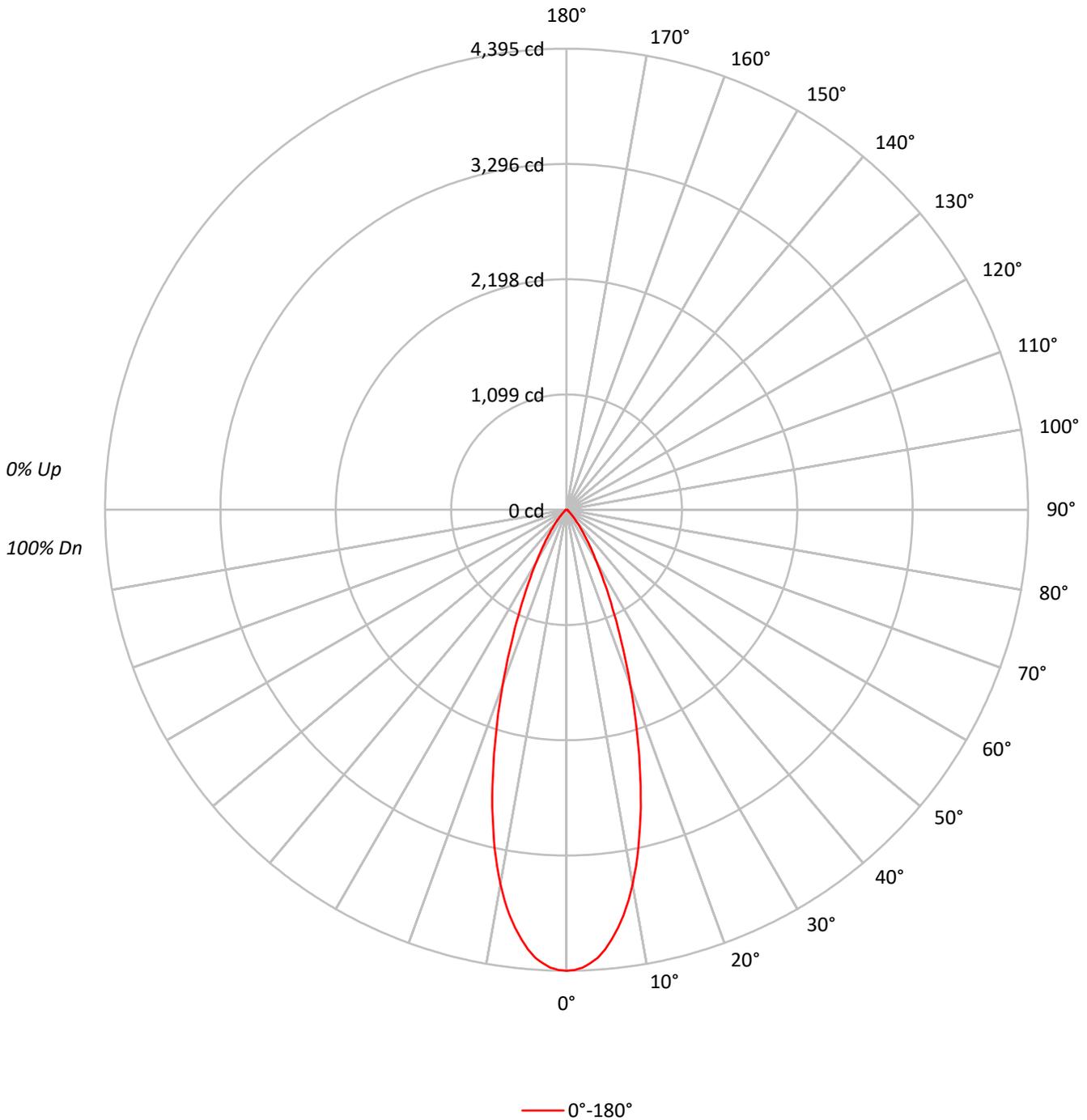
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1911.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.58
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 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 90 | 90 | 90 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 85 | 85 | 85 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 93 | 88 | 85 | 91 | 87 | 84 | 89 | 85 | 83 | 87 | 84 | 82 | 80 | 80 | 80 | 80 |
| 5 | 96 | 89 | 84 | 80 | 95 | 88 | 83 | 80 | 86 | 82 | 79 | 85 | 81 | 78 | 83 | 80 | 78 | 76 | 76 | 76 | 76 |
| 6 | 92 | 85 | 80 | 76 | 91 | 84 | 79 | 76 | 83 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 74 | 73 | 73 | 73 | 73 |
| 7 | 89 | 81 | 76 | 72 | 88 | 80 | 75 | 72 | 79 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 71 | 70 | 70 | 70 | 70 |
| 8 | 85 | 77 | 72 | 69 | 84 | 77 | 72 | 68 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 66 | 66 | 66 | 66 |
| 9 | 82 | 74 | 69 | 66 | 81 | 74 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 68 | 65 | 64 | 64 | 64 | 64 |
| 10 | 79 | 71 | 66 | 63 | 78 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 65 | 62 | 69 | 65 | 62 | 61 | 61 | 61 | 61 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 963826 |
| 5° | 926302 |
| 10° | 807088 |
| 15° | 618165 |
| 20° | 413573 |
| 25° | 250248 |
| 30° | 143592 |
| 35° | 80281 |
| 40° | 42680 |
| 45° | 21987 |
| 50° | 10541 |
| 55° | 8334 |
| 60° | 7982 |
| 65° | 6590 |
| 70° | 6988 |
| 75° | 6185 |
| 80° | 6945 |
| 85° | 4529 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21987 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 382.9 | 20.0 |
| 10°-20° | 742.0 | 38.8 |
| 20°-30° | 485.7 | 25.4 |
| 30°-40° | 197.1 | 10.3 |
| 40°-50° | 59.1 | 3.1 |
| 50°-60° | 20.1 | 1.1 |
| 60°-70° | 13.5 | 0.7 |
| 70°-80° | 7.9 | 0.4 |
| 80°-90° | 2.7 | 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° | 1610.6 | 84.3 |
| 0°-40° | 1807.7 | 94.6 |
| 0°-60° | 1886.9 | 98.7 |
| 0°-90° | 1911.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1911.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 4395 | |
| 5° | 4208 | 383 |
| 15° | 2723 | 742 |
| 25° | 1034 | 486 |
| 35° | 300 | 197 |
| 45° | 71 | 59 |
| 55° | 22 | 20 |
| 65° | 13 | 13 |
| 75° | 7 | 8 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 4395.4 |
| 1° | 4388.1 |
| 2° | 4368.1 |
| 3° | 4328.1 |
| 4° | 4280.9 |
| 5° | 4208.2 |
| 6° | 4117.3 |
| 7° | 4015.5 |
| 8° | 3901.0 |
| 9° | 3770.1 |
| 10° | 3624.7 |
| 11° | 3462.9 |
| 12° | 3293.8 |
| 13° | 3104.8 |
| 14° | 2924.8 |
| 15° | 2723.0 |
| 17.5° | 2234.1 |
| 20° | 1772.3 |
| 22.5° | 1363.3 |
| 25° | 1034.3 |
| 27.5° | 770.7 |
| 30° | 567.1 |
| 32.5° | 416.3 |
| 35° | 299.9 |
| 37.5° | 212.7 |
| 40° | 149.1 |
| 42.5° | 103.6 |
| 45° | 70.9 |
| 47.5° | 47.3 |
| 50° | 30.9 |
| 52.5° | 23.6 |
| 55° | 21.8 |
| 57.5° | 20.0 |
| 60° | 18.2 |
| 62.5° | 16.4 |
| 65° | 12.7 |
| 67.5° | 10.9 |
| 70° | 10.9 |
| 72.5° | 9.1 |
| 75° | 7.3 |
| 77.5° | 5.5 |
| 80° | 5.5 |
| 82.5° | 3.6 |
| 85° | 1.8 |
| 87.5° | 1.8 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)