

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: P1245666

Luminaire Tested: P3A02R259024DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259024DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

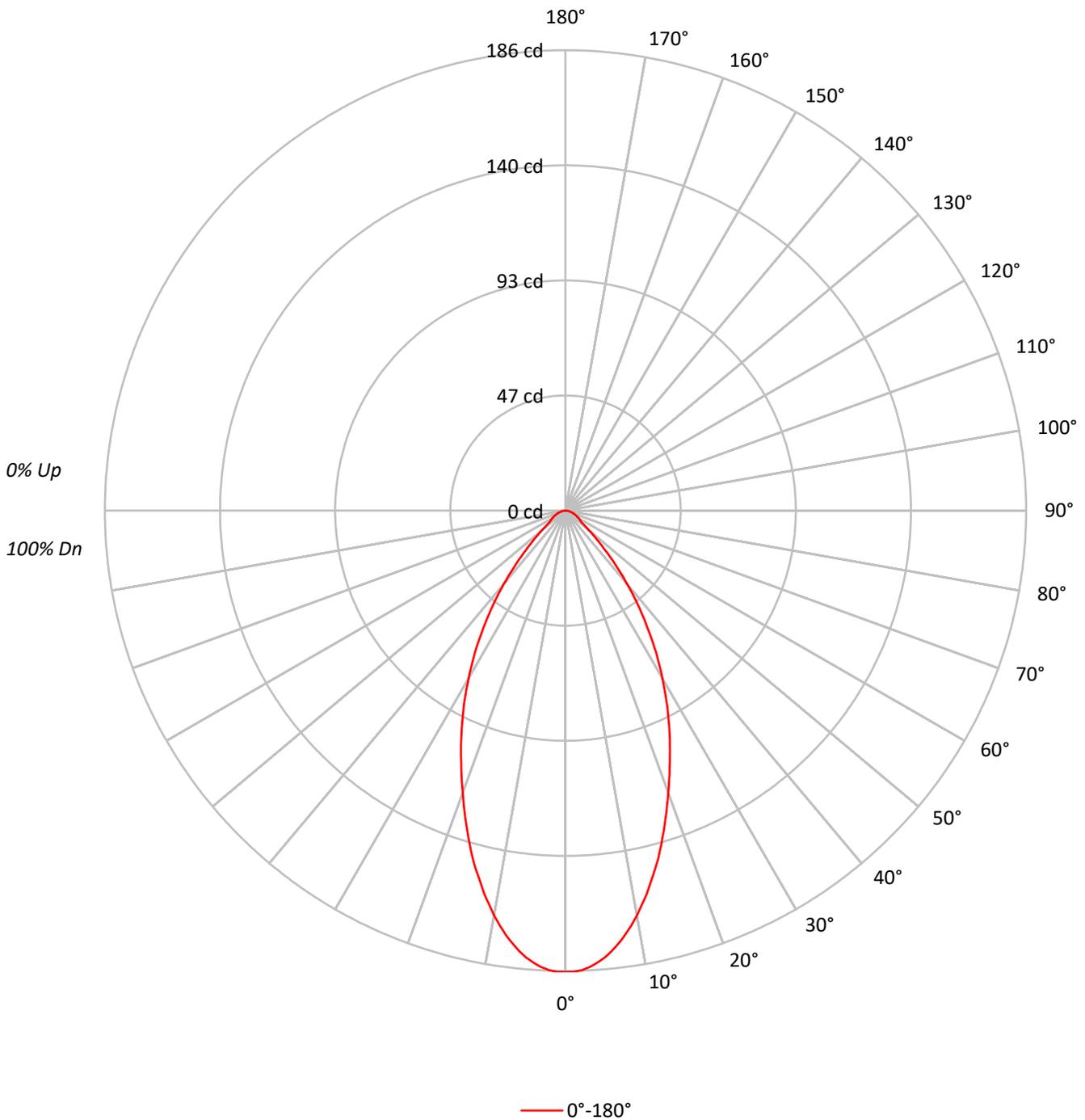
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 172.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 91 | | | | 91 |
| 2 | 106 | 100 | 96 | 92 | 104 | 99 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | | | 83 |
| 3 | 100 | 92 | 87 | 82 | 98 | 91 | 86 | 82 | 88 | 84 | 80 | 86 | 82 | 79 | 83 | 80 | 78 | 76 | | | | 76 |
| 4 | 94 | 85 | 79 | 74 | 92 | 84 | 78 | 74 | 82 | 77 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 70 | | | | 70 |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 68 | 76 | 71 | 67 | 75 | 70 | 66 | 73 | 69 | 66 | 64 | | | | 64 |
| 6 | 84 | 74 | 67 | 62 | 82 | 73 | 67 | 62 | 71 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | | | 59 |
| 7 | 79 | 69 | 62 | 58 | 78 | 68 | 62 | 58 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 55 | | | | 55 |
| 8 | 75 | 65 | 58 | 54 | 74 | 64 | 58 | 53 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 51 | | | | 51 |
| 9 | 71 | 61 | 54 | 50 | 70 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 57 | 53 | 49 | 48 | | | | 48 |
| 10 | 68 | 57 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 50 | 47 | 55 | 50 | 46 | 54 | 50 | 46 | 45 | | | | 45 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 40874 |
| 5° | 39907 |
| 10° | 36984 |
| 15° | 32940 |
| 20° | 28306 |
| 25° | 24050 |
| 30° | 19801 |
| 35° | 15419 |
| 40° | 11107 |
| 45° | 7039 |
| 50° | 4162 |
| 55° | 2867 |
| 60° | 2631 |
| 65° | 2439 |
| 70° | 2180 |
| 75° | 2033 |
| 80° | 1894 |
| 85° | 1510 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7039 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.8 | 9.8 |
| 10°-20° | 40.3 | 23.4 |
| 20°-30° | 45.5 | 26.5 |
| 30°-40° | 36.0 | 20.9 |
| 40°-50° | 18.2 | 10.6 |
| 50°-60° | 7.3 | 4.2 |
| 60°-70° | 4.7 | 2.7 |
| 70°-80° | 2.6 | 1.5 |
| 80°-90° | 0.7 | 0.4 |
| 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° | 102.6 | 59.6 |
| 0°-40° | 138.6 | 80.6 |
| 0°-60° | 164.0 | 95.4 |
| 0°-90° | 172.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 172.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 186 | |
| 5° | 181 | 17 |
| 15° | 145 | 40 |
| 25° | 99 | 45 |
| 35° | 58 | 36 |
| 45° | 23 | 18 |
| 55° | 8 | 7 |
| 65° | 5 | 5 |
| 75° | 2 | 3 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 186.4 |
| 1° | 186.4 |
| 2° | 185.8 |
| 3° | 184.7 |
| 4° | 183.2 |
| 5° | 181.3 |
| 6° | 178.9 |
| 7° | 176.1 |
| 8° | 173.1 |
| 9° | 169.7 |
| 10° | 166.1 |
| 11° | 162.0 |
| 12° | 158.1 |
| 13° | 153.6 |
| 14° | 149.4 |
| 15° | 145.1 |
| 17.5° | 133.1 |
| 20° | 121.3 |
| 22.5° | 110.1 |
| 25° | 99.4 |
| 27.5° | 88.9 |
| 30° | 78.2 |
| 32.5° | 68.1 |
| 35° | 57.6 |
| 37.5° | 48.0 |
| 40° | 38.8 |
| 42.5° | 30.2 |
| 45° | 22.7 |
| 47.5° | 16.9 |
| 50° | 12.2 |
| 52.5° | 9.2 |
| 55° | 7.5 |
| 57.5° | 6.9 |
| 60° | 6.0 |
| 62.5° | 5.4 |
| 65° | 4.7 |
| 67.5° | 4.1 |
| 70° | 3.4 |
| 72.5° | 3.0 |
| 75° | 2.4 |
| 77.5° | 1.9 |
| 80° | 1.5 |
| 82.5° | 1.1 |
| 85° | 0.6 |
| 87.5° | 0.2 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)