

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: P1272956

Luminaire Tested: P3A02R259830DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259830DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

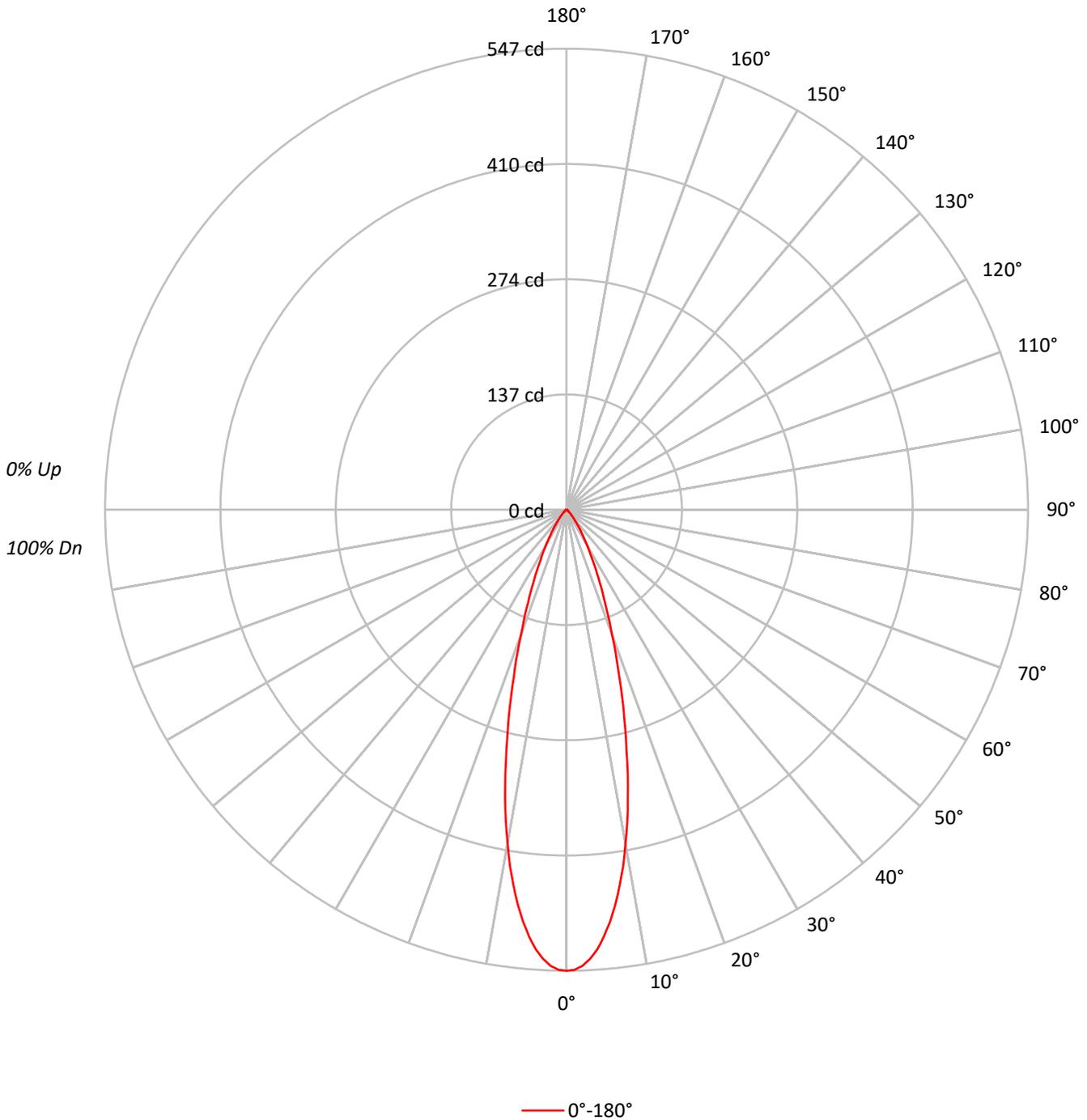
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.49 / 0.49 / 0.51
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





TEST NUMBER: P1272956

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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 | 99 | 98 | 97 | 100 |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 95 | 95 | 93 | 92 | 95 |
| 2 | 110 | 105 | 102 | 99 | 107 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 93 | 92 | 90 | 91 | 89 | 87 | 90 |
| 3 | 105 | 100 | 96 | 92 | 103 | 98 | 95 | 91 | 96 | 93 | 90 | 94 | 91 | 89 | 91 | 89 | 87 | 86 | 88 | 85 | 83 | 86 |
| 4 | 101 | 95 | 90 | 87 | 99 | 94 | 89 | 86 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 82 | 86 | 83 | 80 | 82 |
| 5 | 97 | 90 | 85 | 82 | 96 | 89 | 85 | 81 | 88 | 84 | 81 | 86 | 83 | 80 | 85 | 82 | 79 | 78 | 85 | 82 | 79 | 78 |
| 6 | 94 | 86 | 81 | 78 | 92 | 86 | 81 | 77 | 84 | 80 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 75 | 82 | 78 | 76 | 75 |
| 7 | 90 | 83 | 78 | 74 | 89 | 82 | 77 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 72 | 79 | 75 | 73 | 72 |
| 8 | 87 | 79 | 74 | 71 | 86 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 | 76 | 73 | 70 | 69 |
| 9 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 73 | 70 | 67 | 66 | 73 | 70 | 67 | 66 |
| 10 | 81 | 73 | 69 | 65 | 80 | 73 | 68 | 65 | 72 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 64 | 71 | 67 | 65 | 64 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 119947 |
| 5° | 111908 |
| 10° | 89644 |
| 15° | 60863 |
| 20° | 36823 |
| 25° | 21534 |
| 30° | 12255 |
| 35° | 6746 |
| 40° | 3578 |
| 45° | 1892 |
| 50° | 1092 |
| 55° | 803 |
| 60° | 702 |
| 65° | 726 |
| 70° | 705 |
| 75° | 593 |
| 80° | 505 |
| 85° | 503 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1892 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.1 | 24.1 |
| 10°-20° | 73.7 | 39.4 |
| 20°-30° | 42.1 | 22.5 |
| 30°-40° | 16.6 | 8.9 |
| 40°-50° | 5.1 | 2.7 |
| 50°-60° | 2.0 | 1.1 |
| 60°-70° | 1.4 | 0.7 |
| 70°-80° | 0.8 | 0.4 |
| 80°-90° | 0.3 | 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° | 160.9 | 86.0 |
| 0°-40° | 177.5 | 94.9 |
| 0°-60° | 184.6 | 98.7 |
| 0°-90° | 187.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 187.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 547 | |
| 5° | 508 | 45 |
| 15° | 268 | 74 |
| 25° | 89 | 42 |
| 35° | 25 | 17 |
| 45° | 6 | 5 |
| 55° | 2 | 2 |
| 65° | 1 | 1 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 547.0 |
| 1° | 546.0 |
| 2° | 541.5 |
| 3° | 533.6 |
| 4° | 522.7 |
| 5° | 508.4 |
| 6° | 491.6 |
| 7° | 472.7 |
| 8° | 450.7 |
| 9° | 428.2 |
| 10° | 402.6 |
| 11° | 377.4 |
| 12° | 349.7 |
| 13° | 322.4 |
| 14° | 294.3 |
| 15° | 268.1 |
| 17.5° | 207.8 |
| 20° | 157.8 |
| 22.5° | 118.5 |
| 25° | 89.0 |
| 27.5° | 65.9 |
| 30° | 48.4 |
| 32.5° | 35.0 |
| 35° | 25.2 |
| 37.5° | 17.9 |
| 40° | 12.5 |
| 42.5° | 8.6 |
| 45° | 6.1 |
| 47.5° | 4.3 |
| 50° | 3.2 |
| 52.5° | 2.5 |
| 55° | 2.1 |
| 57.5° | 2.0 |
| 60° | 1.6 |
| 62.5° | 1.4 |
| 65° | 1.4 |
| 67.5° | 1.3 |
| 70° | 1.1 |
| 72.5° | 0.9 |
| 75° | 0.7 |
| 77.5° | 0.5 |
| 80° | 0.4 |
| 82.5° | 0.4 |
| 85° | 0.2 |
| 87.5° | 0.2 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)