

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: P1267980

Luminaire Tested: P3A17R659735DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R659735DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 97CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

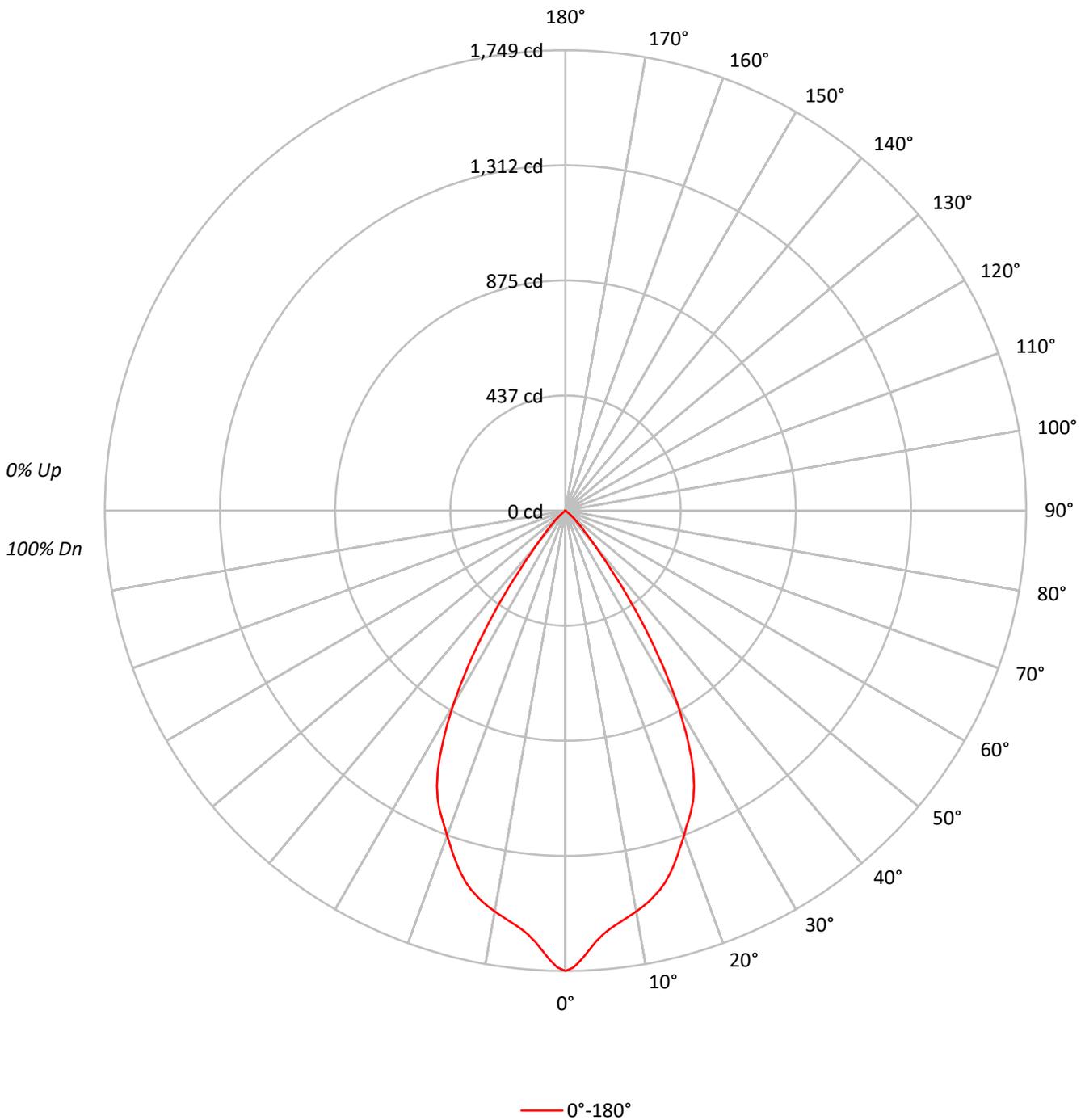
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1431.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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 | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | | | | 94 |
| 2 | 108 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | | | | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 88 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 83 | 82 | | | | 82 |
| 4 | 98 | 91 | 85 | 81 | 96 | 90 | 85 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 84 | 81 | 78 | 77 | | | | 77 |
| 5 | 93 | 85 | 79 | 75 | 92 | 84 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | | | | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 67 | | | | 67 |
| 7 | 84 | 75 | 70 | 65 | 83 | 75 | 69 | 65 | 73 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 | | | | 63 |
| 8 | 80 | 71 | 65 | 61 | 79 | 71 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 63 | 60 | 59 | | | | 59 |
| 9 | 77 | 67 | 61 | 58 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 57 | 56 | | | | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 62 | 57 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 52 | | | | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 383456 |
| 5° | 356041 |
| 10° | 344304 |
| 15° | 331807 |
| 20° | 306767 |
| 25° | 279500 |
| 30° | 215957 |
| 35° | 125173 |
| 40° | 49664 |
| 45° | 21149 |
| 50° | 5015 |
| 55° | 688 |
| 60° | 526 |
| 65° | 311 |
| 70° | 385 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21149 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 152.5 | 10.7 |
| 10°-20° | 407.3 | 28.5 |
| 20°-30° | 515.5 | 36.0 |
| 30°-40° | 293.5 | 20.5 |
| 40°-50° | 58.3 | 4.1 |
| 50°-60° | 3.0 | 0.2 |
| 60°-70° | 0.8 | 0.1 |
| 70°-80° | 0.1 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 1075.3 | 75.1 |
| 0°-40° | 1368.8 | 95.7 |
| 0°-60° | 1430.1 | 99.9 |
| 0°-90° | 1431.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1431.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1749 | |
| 5° | 1618 | 153 |
| 15° | 1462 | 407 |
| 25° | 1155 | 515 |
| 35° | 468 | 294 |
| 45° | 68 | 58 |
| 55° | 2 | 3 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1748.7 |
| 1° | 1735.7 |
| 2° | 1707.5 |
| 3° | 1674.5 |
| 4° | 1642.2 |
| 5° | 1617.5 |
| 6° | 1599.3 |
| 7° | 1584.6 |
| 8° | 1571.6 |
| 9° | 1558.7 |
| 10° | 1546.3 |
| 11° | 1532.8 |
| 12° | 1518.7 |
| 13° | 1501.6 |
| 14° | 1483.4 |
| 15° | 1461.6 |
| 16° | 1435.7 |
| 17° | 1407.5 |
| 18° | 1376.9 |
| 19° | 1344.6 |
| 20° | 1314.6 |
| 21° | 1284.0 |
| 22° | 1256.3 |
| 23° | 1227.5 |
| 24° | 1194.0 |
| 25° | 1155.2 |
| 26° | 1108.7 |
| 27° | 1052.8 |
| 28° | 989.9 |
| 29° | 922.9 |
| 30° | 852.9 |
| 31° | 775.8 |
| 32° | 699.3 |
| 32.5° | 659.9 |
| 33° | 621.7 |
| 34° | 544.1 |
| 35° | 467.6 |
| 36° | 397.0 |
| 37° | 327.0 |
| 37.5° | 291.1 |
| 38° | 262.3 |
| 39° | 212.3 |
| 40° | 173.5 |
| 42.5° | 107.0 |
| 45° | 68.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|------|
| 47.5° | 40.0 |
| 50° | 14.7 |
| 52.5° | 2.9 |
| 55° | 1.8 |
| 57.5° | 1.2 |
| 60° | 1.2 |
| 62.5° | 1.2 |
| 65° | 0.6 |
| 67.5° | 0.6 |
| 70° | 0.6 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)