

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: P1288246

Luminaire Tested: P3A05R20W2N902765DE010 E3D1LI_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20W2N902765DE010 E3D1LI_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

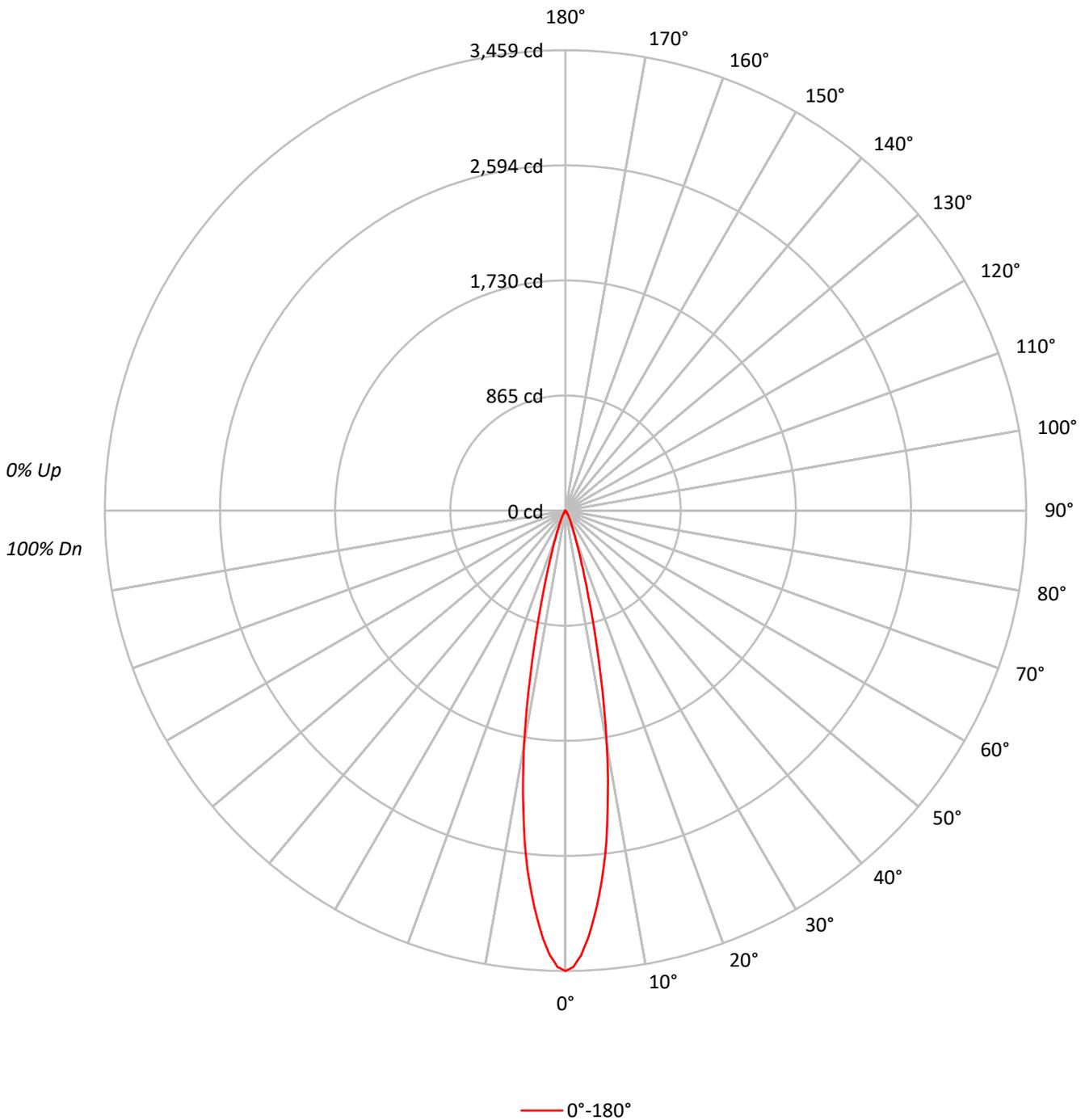
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 500.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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 | 99 | 100 |
| 1 | 115 | 114 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99 | 97 | 97 | 97 | 97 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98 | 99 | 98 | 96 | 95 | 95 | 95 | 95 |
| 3 | 109 | 105 | 102 | 99 | 107 | 104 | 101 | 98 | 101 | 99 | 97 | 99 | 97 | 95 | 97 | 95 | 94 | 93 | 93 | 93 | 93 |
| 4 | 106 | 101 | 98 | 95 | 105 | 100 | 97 | 95 | 99 | 96 | 94 | 97 | 95 | 93 | 95 | 93 | 92 | 91 | 91 | 91 | 91 |
| 5 | 104 | 98 | 95 | 92 | 102 | 98 | 94 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 90 | 89 | 89 | 89 | 89 |
| 6 | 101 | 96 | 92 | 89 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 88 | 92 | 89 | 88 | 87 | 87 | 87 | 87 |
| 7 | 99 | 93 | 90 | 87 | 98 | 93 | 89 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 85 | 85 | 85 | 85 |
| 8 | 97 | 91 | 87 | 85 | 96 | 91 | 87 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 88 | 86 | 84 | 83 | 83 | 83 | 83 |
| 9 | 95 | 89 | 85 | 83 | 94 | 89 | 85 | 83 | 88 | 85 | 83 | 87 | 84 | 83 | 87 | 84 | 82 | 81 | 81 | 81 | 81 |
| 10 | 93 | 87 | 84 | 81 | 92 | 87 | 83 | 81 | 86 | 83 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 | 80 | 80 | 80 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 758470 |
| 5° | 638585 |
| 10° | 398857 |
| 15° | 149127 |
| 20° | 51174 |
| 25° | 21340 |
| 30° | 10052 |
| 35° | 4497 |
| 40° | 2118 |
| 45° | 1085 |
| 50° | 409 |
| 55° | 76 |
| 60° | 88 |
| 65° | 104 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1085 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 241.3 | 48.2 |
| 10°-20° | 198.7 | 39.7 |
| 20°-30° | 45.2 | 9.0 |
| 30°-40° | 11.5 | 2.3 |
| 40°-50° | 2.9 | 0.6 |
| 50°-60° | 0.4 | 0.1 |
| 60°-70° | 0.1 | 0.0 |
| 70°-80° | 0.0 | 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° | 485.1 | 97.0 |
| 0°-40° | 496.6 | 99.3 |
| 0°-60° | 499.9 | 100.0 |
| 0°-90° | 500.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 500.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3459 | |
| 5° | 2901 | 241 |
| 15° | 657 | 199 |
| 25° | 88 | 45 |
| 35° | 17 | 11 |
| 45° | 4 | 3 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 3458.9 |
| 1° | 3429.5 |
| 2° | 3343.1 |
| 3° | 3219.2 |
| 4° | 3067.1 |
| 5° | 2901.1 |
| 6° | 2716.2 |
| 7° | 2512.1 |
| 8° | 2274.0 |
| 9° | 2038.0 |
| 10° | 1791.3 |
| 11° | 1528.8 |
| 12° | 1266.6 |
| 13° | 1044.5 |
| 14° | 832.2 |
| 15° | 656.9 |
| 16° | 518.4 |
| 17° | 409.0 |
| 18° | 328.6 |
| 19° | 267.2 |
| 20° | 219.3 |
| 21° | 183.4 |
| 22° | 153.1 |
| 23° | 127.3 |
| 24° | 106.2 |
| 25° | 88.2 |
| 27.5° | 57.7 |
| 30° | 39.7 |
| 32.5° | 24.4 |
| 35° | 16.8 |
| 37.5° | 10.8 |
| 40° | 7.4 |
| 42.5° | 5.1 |
| 45° | 3.5 |
| 47.5° | 2.3 |
| 50° | 1.2 |
| 52.5° | 0.6 |
| 55° | 0.2 |
| 57.5° | 0.2 |
| 60° | 0.2 |
| 62.5° | 0.2 |
| 65° | 0.2 |
| 67.5° | 0.0 |
| 70° | 0.0 |
| 72.5° | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 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)