

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: P1291262

Luminaire Tested: P3AS05R70W2N902750DE010 E3CD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R70W2N902750DE010 E3CD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

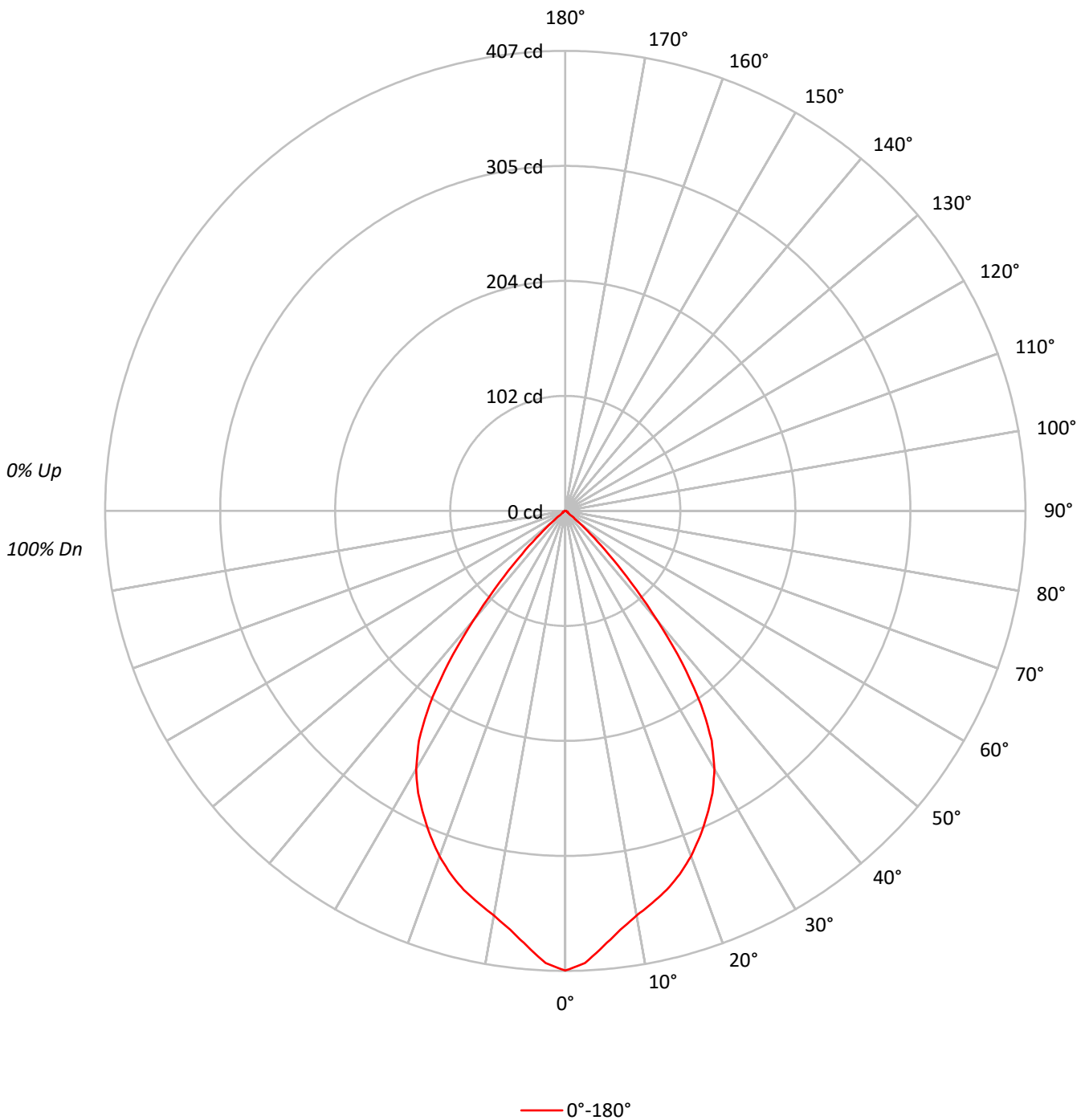
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
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 |
| 1 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 94 | 93 | | | 93 |
| 2 | 107 | 102 | 97 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | 85 |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | 78 |
| 4 | 95 | 87 | 81 | 77 | 94 | 86 | 81 | 76 | 84 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | 72 |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | 66 |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | | 61 |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 57 | | | 57 |
| 8 | 76 | 66 | 59 | 55 | 75 | 65 | 59 | 55 | 64 | 58 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 53 | | | 53 |
| 9 | 72 | 62 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 58 | 54 | 50 | 49 | | | 49 |
| 10 | 68 | 58 | 52 | 47 | 67 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 47 | 46 | | | 46 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 89160 |
| 5° | 85076 |
| 10° | 80938 |
| 15° | 78775 |
| 20° | 75863 |
| 25° | 71811 |
| 30° | 66795 |
| 35° | 56108 |
| 40° | 36153 |
| 45° | 16808 |
| 50° | 4401 |
| 55° | 1109 |
| 60° | 1096 |
| 65° | 934 |
| 70° | 898 |
| 75° | 932 |
| 80° | 884 |
| 85° | 1006 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16808 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.2 | 8.1 |
| 10°-20° | 97.5 | 21.7 |
| 20°-30° | 136.2 | 30.3 |
| 30°-40° | 126.3 | 28.1 |
| 40°-50° | 45.3 | 10.1 |
| 50°-60° | 3.8 | 0.9 |
| 60°-70° | 1.9 | 0.4 |
| 70°-80° | 1.2 | 0.3 |
| 80°-90° | 0.5 | 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° | 269.9 | 60.1 |
| 0°-40° | 396.2 | 88.3 |
| 0°-60° | 445.3 | 99.2 |
| 0°-90° | 449.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 449.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 407 | |
| 5° | 386 | 36 |
| 15° | 347 | 98 |
| 25° | 297 | 136 |
| 35° | 210 | 126 |
| 45° | 54 | 45 |
| 55° | 3 | 4 |
| 65° | 2 | 2 |
| 75° | 1 | 1 |
| 85° | 0 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 406.6 |
| 2.5° | 400.5 |
| 5° | 386.5 |
| 7.5° | 373.6 |
| 10° | 363.5 |
| 12.5° | 355.3 |
| 15° | 347.0 |
| 17.5° | 337.0 |
| 20° | 325.1 |
| 22.5° | 311.5 |
| 25° | 296.8 |
| 27.5° | 281.7 |
| 30° | 263.8 |
| 32.5° | 240.8 |
| 35° | 209.6 |
| 37.5° | 169.7 |
| 40° | 126.3 |
| 42.5° | 86.1 |
| 45° | 54.2 |
| 47.5° | 30.1 |
| 50° | 12.9 |
| 52.5° | 4.3 |
| 55° | 2.9 |
| 57.5° | 2.5 |
| 60° | 2.5 |
| 62.5° | 2.2 |
| 65° | 1.8 |
| 67.5° | 1.8 |
| 70° | 1.4 |
| 72.5° | 1.4 |
| 75° | 1.1 |
| 77.5° | 1.1 |
| 80° | 0.7 |
| 82.5° | 0.7 |
| 85° | 0.4 |
| 87.5° | 0.4 |
| 90° | 0.0 |

(END OF REPORT)