

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: P1302321

Luminaire Tested: P3AS17R65W2N902750DE010 E3CD1MB_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1302321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R65W2N902750DE010 E3CD1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 4000K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1499.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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 | 100 | 100 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 94 | 94 | 94 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 92 | 90 | 89 | 87 | 87 | 87 | 87 |
| 3 | 103 | 96 | 91 | 87 | 101 | 95 | 90 | 87 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 81 | 81 | 81 | 81 |
| 4 | 97 | 90 | 84 | 80 | 96 | 89 | 84 | 80 | 87 | 82 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | 75 | 75 | 75 |
| 5 | 93 | 84 | 78 | 74 | 91 | 83 | 78 | 74 | 82 | 77 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 70 | 70 | 70 | 70 |
| 6 | 88 | 79 | 73 | 69 | 86 | 78 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 66 | 66 | 66 | 66 |
| 7 | 84 | 74 | 68 | 64 | 82 | 74 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 62 | 62 | 62 | 62 |
| 8 | 80 | 70 | 64 | 60 | 78 | 69 | 64 | 60 | 68 | 63 | 60 | 67 | 63 | 59 | 66 | 62 | 59 | 58 | 58 | 58 | 58 |
| 9 | 76 | 66 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 63 | 59 | 56 | 54 | 54 | 54 | 54 |
| 10 | 72 | 63 | 57 | 53 | 71 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 60 | 55 | 52 | 51 | 51 | 51 | 51 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 366330 |
| 5° | 344771 |
| 10° | 340386 |
| 15° | 334395 |
| 20° | 315704 |
| 25° | 293025 |
| 30° | 227757 |
| 35° | 131758 |
| 40° | 53099 |
| 45° | 24437 |
| 50° | 9518 |
| 55° | 3708 |
| 60° | 3201 |
| 65° | 3165 |
| 70° | 3077 |
| 75° | 3050 |
| 80° | 3031 |
| 85° | 3019 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24437 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 148.9 | 9.9 |
| 10°-20° | 411.3 | 27.4 |
| 20°-30° | 538.4 | 35.9 |
| 30°-40° | 311.9 | 20.8 |
| 40°-50° | 66.7 | 4.5 |
| 50°-60° | 10.9 | 0.7 |
| 60°-70° | 6.0 | 0.4 |
| 70°-80° | 3.5 | 0.2 |
| 80°-90° | 1.3 | 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° | 1098.7 | 73.3 |
| 0°-40° | 1410.5 | 94.1 |
| 0°-60° | 1488.2 | 99.3 |
| 0°-90° | 1499.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1499.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1671 | |
| 5° | 1566 | 149 |
| 15° | 1473 | 411 |
| 25° | 1211 | 538 |
| 35° | 492 | 312 |
| 45° | 79 | 67 |
| 55° | 10 | 11 |
| 65° | 6 | 6 |
| 75° | 4 | 3 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1670.6 |
| 2.5° | 1623.3 |
| 5° | 1566.3 |
| 7.5° | 1543.3 |
| 10° | 1528.7 |
| 12.5° | 1508.1 |
| 15° | 1473.0 |
| 17.5° | 1418.4 |
| 20° | 1352.9 |
| 22.5° | 1291.1 |
| 25° | 1211.1 |
| 27.5° | 1076.5 |
| 30° | 899.5 |
| 32.5° | 697.1 |
| 35° | 492.2 |
| 37.5° | 311.6 |
| 40° | 185.5 |
| 42.5° | 116.4 |
| 45° | 78.8 |
| 47.5° | 50.9 |
| 50° | 27.9 |
| 52.5° | 13.3 |
| 55° | 9.7 |
| 57.5° | 8.5 |
| 60° | 7.3 |
| 62.5° | 7.3 |
| 65° | 6.1 |
| 67.5° | 4.8 |
| 70° | 4.8 |
| 72.5° | 3.6 |
| 75° | 3.6 |
| 77.5° | 2.4 |
| 80° | 2.4 |
| 82.5° | 1.2 |
| 85° | 1.2 |
| 87.5° | 1.2 |
| 90° | 0.0 |

(END OF REPORT)