

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: P1296804

Luminaire Tested: P3AS13R35W2N902765DE010 E3CB1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R35W2N902765DE010 E3CB1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.1 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | 96 | 96 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98 | 99 | 98 | 96 | 97 | 95 | 94 | 93 | 93 | 93 | 93 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 95 | 98 | 96 | 93 | 96 | 94 | 92 | 94 | 92 | 90 | 89 | 89 | 89 | 89 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 86 | 86 | 86 | 86 |
| 5 | 100 | 94 | 90 | 87 | 99 | 93 | 89 | 86 | 92 | 88 | 86 | 90 | 87 | 85 | 89 | 86 | 84 | 83 | 83 | 83 | 83 |
| 6 | 97 | 91 | 86 | 83 | 96 | 90 | 86 | 83 | 89 | 85 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 80 | 80 | 80 | 80 |
| 7 | 94 | 87 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 79 | 77 | 77 | 77 | 77 |
| 8 | 91 | 84 | 80 | 77 | 90 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 76 | 81 | 78 | 76 | 75 | 75 | 75 | 75 |
| 9 | 89 | 82 | 77 | 74 | 88 | 81 | 77 | 74 | 80 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 73 | 73 | 73 | 73 |
| 10 | 86 | 79 | 75 | 72 | 85 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | 77 | 74 | 71 | 70 | 70 | 70 | 70 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 642295 |
| 5° | 629208 |
| 10° | 585360 |
| 15° | 429151 |
| 20° | 219749 |
| 25° | 79190 |
| 30° | 30840 |
| 35° | 10788 |
| 40° | 4437 |
| 45° | 1209 |
| 50° | 1058 |
| 55° | 1185 |
| 60° | 1009 |
| 65° | 830 |
| 70° | 1026 |
| 75° | 1356 |
| 80° | 1010 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 1356 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 266.5 | 27.1 |
| 10°-20° | 500.0 | 50.8 |
| 20°-30° | 177.0 | 18.0 |
| 30°-40° | 31.0 | 3.1 |
| 40°-50° | 4.5 | 0.5 |
| 50°-60° | 2.5 | 0.3 |
| 60°-70° | 1.8 | 0.2 |
| 70°-80° | 1.4 | 0.1 |
| 80°-90° | 0.3 | 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° | 943.5 | 95.8 |
| 0°-40° | 974.5 | 98.9 |
| 0°-60° | 981.5 | 99.6 |
| 0°-90° | 985.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 985.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2929 | |
| 5° | 2858 | 266 |
| 15° | 1890 | 500 |
| 25° | 327 | 177 |
| 35° | 40 | 31 |
| 45° | 4 | 5 |
| 55° | 3 | 3 |
| 65° | 2 | 2 |
| 75° | 2 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2929.1 |
| 1° | 2928.3 |
| 2° | 2919.0 |
| 3° | 2901.1 |
| 4° | 2884.8 |
| 5° | 2858.5 |
| 6° | 2831.3 |
| 7° | 2801.1 |
| 8° | 2763.8 |
| 9° | 2705.7 |
| 10° | 2628.9 |
| 11° | 2522.6 |
| 12° | 2394.6 |
| 13° | 2242.6 |
| 14° | 2075.0 |
| 15° | 1890.4 |
| 17.5° | 1407.9 |
| 20° | 941.7 |
| 22.5° | 567.8 |
| 25° | 327.3 |
| 27.5° | 195.5 |
| 30° | 121.8 |
| 32.5° | 70.6 |
| 35° | 40.3 |
| 37.5° | 25.6 |
| 40° | 15.5 |
| 42.5° | 7.8 |
| 45° | 3.9 |
| 47.5° | 3.1 |
| 50° | 3.1 |
| 52.5° | 3.1 |
| 55° | 3.1 |
| 57.5° | 2.3 |
| 60° | 2.3 |
| 62.5° | 2.3 |
| 65° | 1.6 |
| 67.5° | 1.6 |
| 70° | 1.6 |
| 72.5° | 1.6 |
| 75° | 1.6 |
| 77.5° | 0.8 |
| 80° | 0.8 |
| 82.5° | 0.8 |
| 85° | 0.0 |
| 87.5° | 0.0 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)