

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: P1297405

Luminaire Tested: P3AS13R45W2N902765DE010 E3CB1MB_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R45W2N902765DE010 E3CB1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
E3CB1MB TRIM
Light Source: -
Ballast/Driver: -

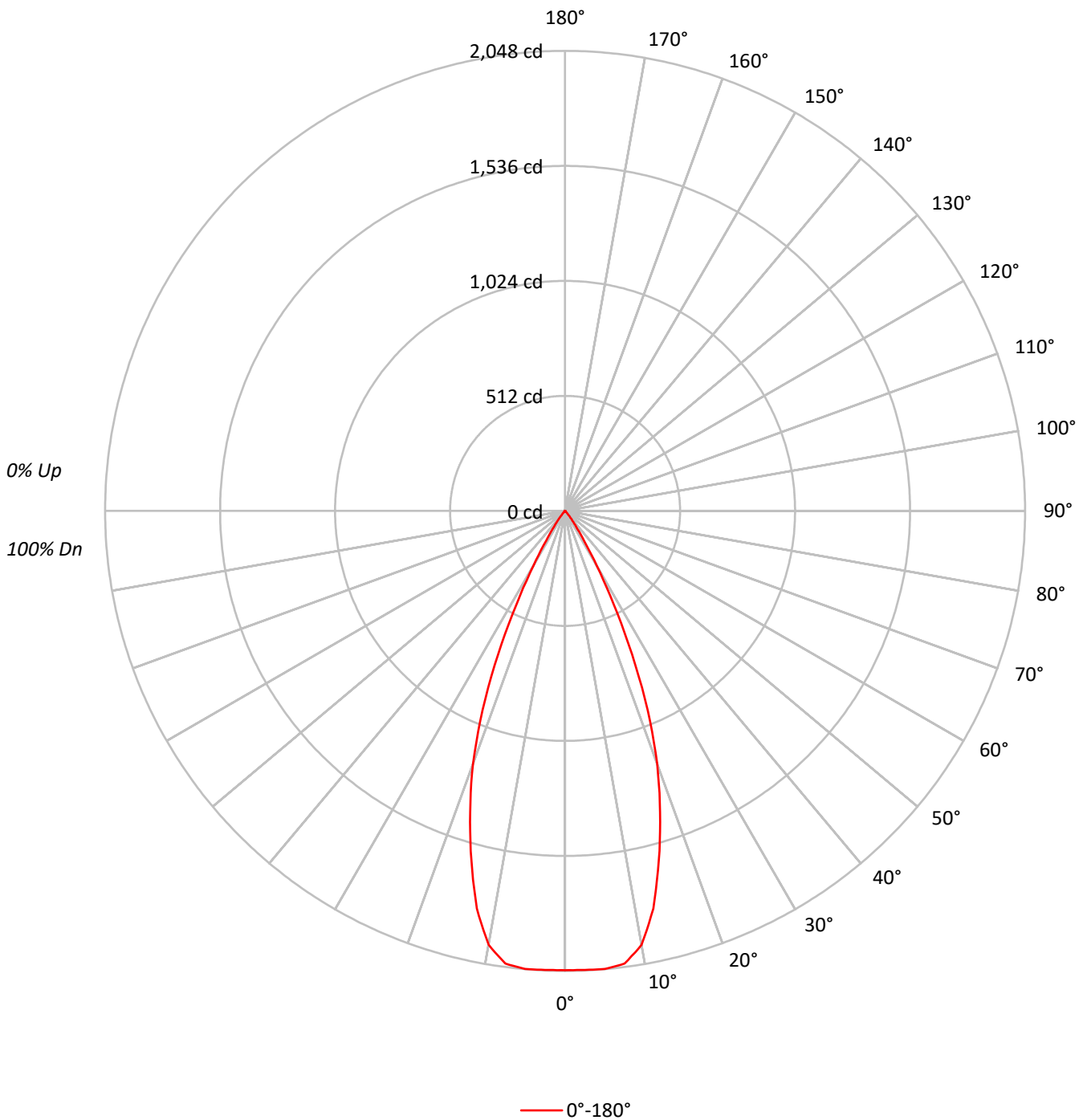
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1034.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
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 | | | | 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 | 102 | 102 | 102 | 100 |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 97 | 97 | 95 |
| 2 | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 94 | 92 | 92 | 92 | 92 | 91 |
| 3 | 106 | 100 | 96 | 93 | 104 | 99 | 95 | 92 | 96 | 93 | 91 | 94 | 91 | 89 | 92 | 90 | 88 | 88 | 88 | 88 | 87 |
| 4 | 102 | 95 | 91 | 87 | 100 | 94 | 90 | 87 | 92 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 84 | 84 | 84 | 84 | 82 |
| 5 | 98 | 91 | 86 | 82 | 96 | 90 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 6 | 94 | 87 | 82 | 78 | 93 | 86 | 81 | 78 | 85 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 76 | 76 | 76 | 76 | 75 |
| 7 | 90 | 83 | 78 | 74 | 89 | 82 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 8 | 87 | 79 | 74 | 71 | 86 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 9 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 73 | 70 | 67 | 67 | 67 | 67 | 66 |
| 10 | 81 | 73 | 68 | 65 | 80 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 65 | 65 | 65 | 65 | 64 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 448297 |
| 5° | 450692 |
| 10° | 436843 |
| 15° | 366063 |
| 20° | 279838 |
| 25° | 170357 |
| 30° | 70872 |
| 35° | 22700 |
| 40° | 7070 |
| 45° | 1427 |
| 50° | 1058 |
| 55° | 1185 |
| 60° | 1009 |
| 65° | 1193 |
| 70° | 962 |
| 75° | 1271 |
| 80° | 1010 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1427 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 193.1 | 18.7 |
| 10°-20° | 443.2 | 42.9 |
| 20°-30° | 319.1 | 30.9 |
| 30°-40° | 66.4 | 6.4 |
| 40°-50° | 6.1 | 0.6 |
| 50°-60° | 2.5 | 0.2 |
| 60°-70° | 2.0 | 0.2 |
| 70°-80° | 1.3 | 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° | 955.4 | 92.4 |
| 0°-40° | 1021.8 | 98.8 |
| 0°-60° | 1030.3 | 99.7 |
| 0°-90° | 1034.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1034.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2044 | |
| 5° | 2048 | 193 |
| 15° | 1612 | 443 |
| 25° | 704 | 319 |
| 35° | 85 | 66 |
| 45° | 5 | 6 |
| 55° | 3 | 3 |
| 65° | 2 | 2 |
| 75° | 2 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2044.4 |
| 2.5° | 2045.2 |
| 5° | 2047.5 |
| 7.5° | 2032.8 |
| 10° | 1961.9 |
| 12.5° | 1813.8 |
| 15° | 1612.5 |
| 17.5° | 1406.6 |
| 20° | 1199.2 |
| 22.5° | 960.9 |
| 25° | 704.1 |
| 27.5° | 464.2 |
| 30° | 279.9 |
| 32.5° | 156.5 |
| 35° | 84.8 |
| 37.5° | 47.8 |
| 40° | 24.7 |
| 42.5° | 10.8 |
| 45° | 4.6 |
| 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° | 2.3 |
| 67.5° | 1.5 |
| 70° | 1.5 |
| 72.5° | 1.5 |
| 75° | 1.5 |
| 77.5° | 0.8 |
| 80° | 0.8 |
| 82.5° | 0.8 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)