

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: P1265137

Luminaire Tested: P3A13R409730DE010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R409730DE010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

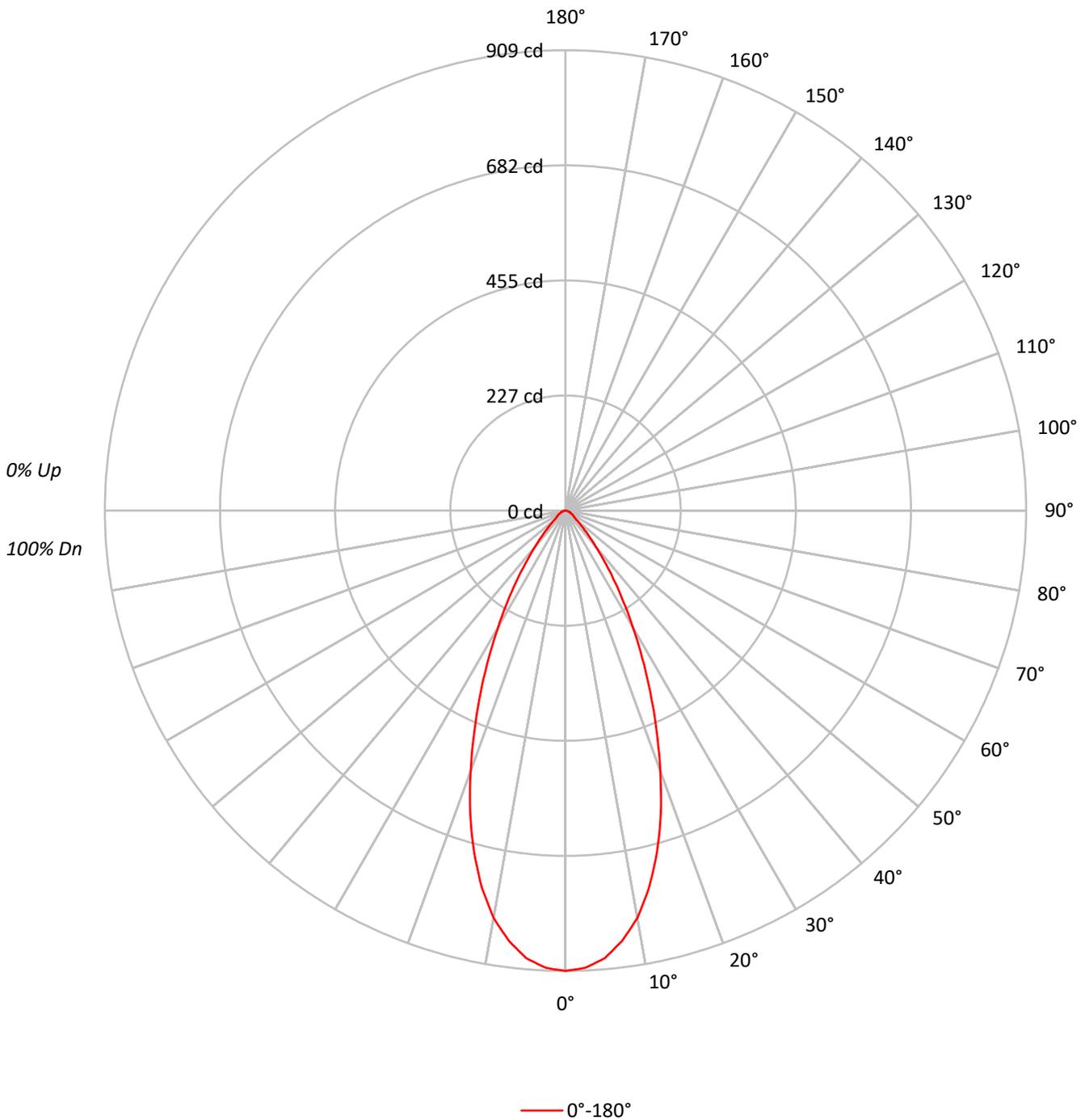
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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 | 100 | 100 | 100 | 100 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 2 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 93 | 97 | 94 | 91 | 94 | 92 | 89 | 92 | 89 | 88 | 86 | 86 | 86 | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 85 | 83 | 86 | 84 | 81 | 80 | 80 | 80 | 80 |
| 4 | 97 | 89 | 83 | 79 | 95 | 88 | 83 | 79 | 86 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | 74 | 74 | 74 |
| 5 | 92 | 83 | 77 | 73 | 90 | 82 | 77 | 73 | 81 | 76 | 72 | 79 | 75 | 71 | 77 | 74 | 71 | 69 | 69 | 69 | 69 |
| 6 | 87 | 78 | 72 | 68 | 86 | 78 | 72 | 68 | 76 | 71 | 67 | 75 | 70 | 67 | 73 | 69 | 66 | 65 | 65 | 65 | 65 |
| 7 | 83 | 74 | 68 | 64 | 82 | 73 | 68 | 63 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 62 | 61 | 61 | 61 | 61 |
| 8 | 79 | 70 | 64 | 60 | 78 | 69 | 64 | 60 | 68 | 63 | 59 | 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 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | 51 | 51 | 51 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 199282 |
| 5° | 195245 |
| 10° | 181782 |
| 15° | 158435 |
| 20° | 127691 |
| 25° | 95715 |
| 30° | 67301 |
| 35° | 44089 |
| 40° | 26679 |
| 45° | 15940 |
| 50° | 9518 |
| 55° | 7646 |
| 60° | 6885 |
| 65° | 5863 |
| 70° | 5578 |
| 75° | 4406 |
| 80° | 4420 |
| 85° | 4277 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15940 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.4 | 12.9 |
| 10°-20° | 192.2 | 30.0 |
| 20°-30° | 181.2 | 28.3 |
| 30°-40° | 104.7 | 16.4 |
| 40°-50° | 41.7 | 6.5 |
| 50°-60° | 18.5 | 2.9 |
| 60°-70° | 11.4 | 1.8 |
| 70°-80° | 6.0 | 0.9 |
| 80°-90° | 1.9 | 0.3 |
| 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° | 455.8 | 71.2 |
| 0°-40° | 560.5 | 87.6 |
| 0°-60° | 620.7 | 97.0 |
| 0°-90° | 640.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 640.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 909 | |
| 5° | 887 | 82 |
| 15° | 698 | 192 |
| 25° | 396 | 181 |
| 35° | 165 | 105 |
| 45° | 51 | 42 |
| 55° | 20 | 18 |
| 65° | 11 | 11 |
| 75° | 5 | 6 |
| 85° | 2 | 2 |
| 90° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 908.8 |
| 2.5° | 903.6 |
| 5° | 887.0 |
| 7.5° | 856.5 |
| 10° | 816.4 |
| 12.5° | 762.4 |
| 15° | 697.9 |
| 17.5° | 625.6 |
| 20° | 547.2 |
| 22.5° | 468.8 |
| 25° | 395.6 |
| 27.5° | 327.6 |
| 30° | 265.8 |
| 32.5° | 211.7 |
| 35° | 164.7 |
| 37.5° | 124.6 |
| 40° | 93.2 |
| 42.5° | 69.7 |
| 45° | 51.4 |
| 47.5° | 37.5 |
| 50° | 27.9 |
| 52.5° | 22.7 |
| 55° | 20.0 |
| 57.5° | 18.3 |
| 60° | 15.7 |
| 62.5° | 13.1 |
| 65° | 11.3 |
| 67.5° | 9.6 |
| 70° | 8.7 |
| 72.5° | 7.0 |
| 75° | 5.2 |
| 77.5° | 4.4 |
| 80° | 3.5 |
| 82.5° | 2.6 |
| 85° | 1.7 |
| 87.5° | 0.9 |
| 90° | 0.0 |

(END OF REPORT)