

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: P1274037

Luminaire Tested: P3A13R309830DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309830DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

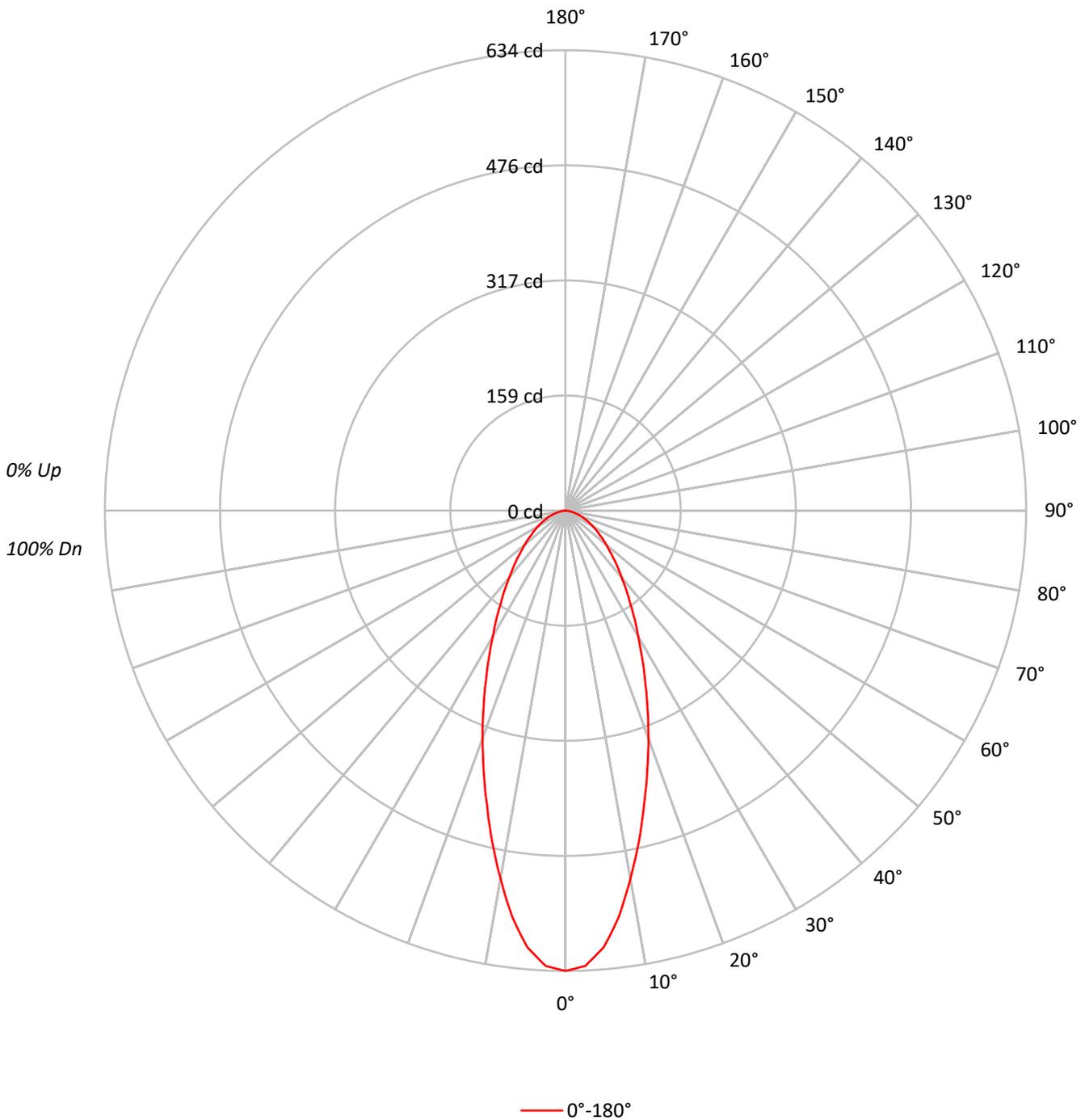
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 564.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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 | | | |
| 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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 | | |
| 2 | 104 | 98 | 93 | 88 | 102 | 96 | 91 | 87 | 93 | 89 | 85 | 90 | 86 | 83 | 87 | 84 | 82 | 80 | | |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 76 | 73 | 71 | | |
| 4 | 91 | 82 | 75 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 70 | 66 | 65 | | |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 54 | | |
| 7 | 76 | 65 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 51 | 50 | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 60 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 46 | | |
| 9 | 68 | 57 | 50 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 44 | 43 | | |
| 10 | 64 | 53 | 47 | 42 | 63 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 42 | 40 | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 138980 |
| 5° | 132841 |
| 10° | 114583 |
| 15° | 94961 |
| 20° | 77847 |
| 25° | 62762 |
| 30° | 50590 |
| 35° | 41439 |
| 40° | 34436 |
| 45° | 29181 |
| 50° | 24971 |
| 55° | 21600 |
| 60° | 19253 |
| 65° | 16811 |
| 70° | 14746 |
| 75° | 12370 |
| 80° | 9218 |
| 85° | 5284 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29181 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.7 | 9.7 |
| 10°-20° | 116.7 | 20.7 |
| 20°-30° | 119.6 | 21.2 |
| 30°-40° | 97.7 | 17.3 |
| 40°-50° | 73.1 | 13.0 |
| 50°-60° | 51.3 | 9.1 |
| 60°-70° | 32.3 | 5.7 |
| 70°-80° | 15.6 | 2.8 |
| 80°-90° | 3.0 | 0.5 |
| 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° | 290.9 | 51.6 |
| 0°-40° | 388.7 | 68.9 |
| 0°-60° | 513.1 | 91.0 |
| 0°-90° | 564.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 564.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 634 | |
| 5° | 604 | 55 |
| 15° | 418 | 117 |
| 25° | 259 | 120 |
| 35° | 155 | 98 |
| 45° | 94 | 73 |
| 55° | 56 | 51 |
| 65° | 32 | 32 |
| 75° | 15 | 16 |
| 85° | 2 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 633.8 |
| 2.5° | 627.5 |
| 5° | 603.5 |
| 7.5° | 563.7 |
| 10° | 514.6 |
| 12.5° | 466.5 |
| 15° | 418.3 |
| 17.5° | 374.4 |
| 20° | 333.6 |
| 22.5° | 294.9 |
| 25° | 259.4 |
| 27.5° | 228.0 |
| 30° | 199.8 |
| 32.5° | 176.7 |
| 35° | 154.8 |
| 37.5° | 137.0 |
| 40° | 120.3 |
| 42.5° | 106.7 |
| 45° | 94.1 |
| 47.5° | 82.6 |
| 50° | 73.2 |
| 52.5° | 64.8 |
| 55° | 56.5 |
| 57.5° | 50.2 |
| 60° | 43.9 |
| 62.5° | 37.7 |
| 65° | 32.4 |
| 67.5° | 27.2 |
| 70° | 23.0 |
| 72.5° | 18.8 |
| 75° | 14.6 |
| 77.5° | 10.5 |
| 80° | 7.3 |
| 82.5° | 4.2 |
| 85° | 2.1 |
| 87.5° | 1.0 |
| 90° | 0.0 |

(END OF REPORT)