

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: P1269453

Luminaire Tested: P3A09R359740DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R359740DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

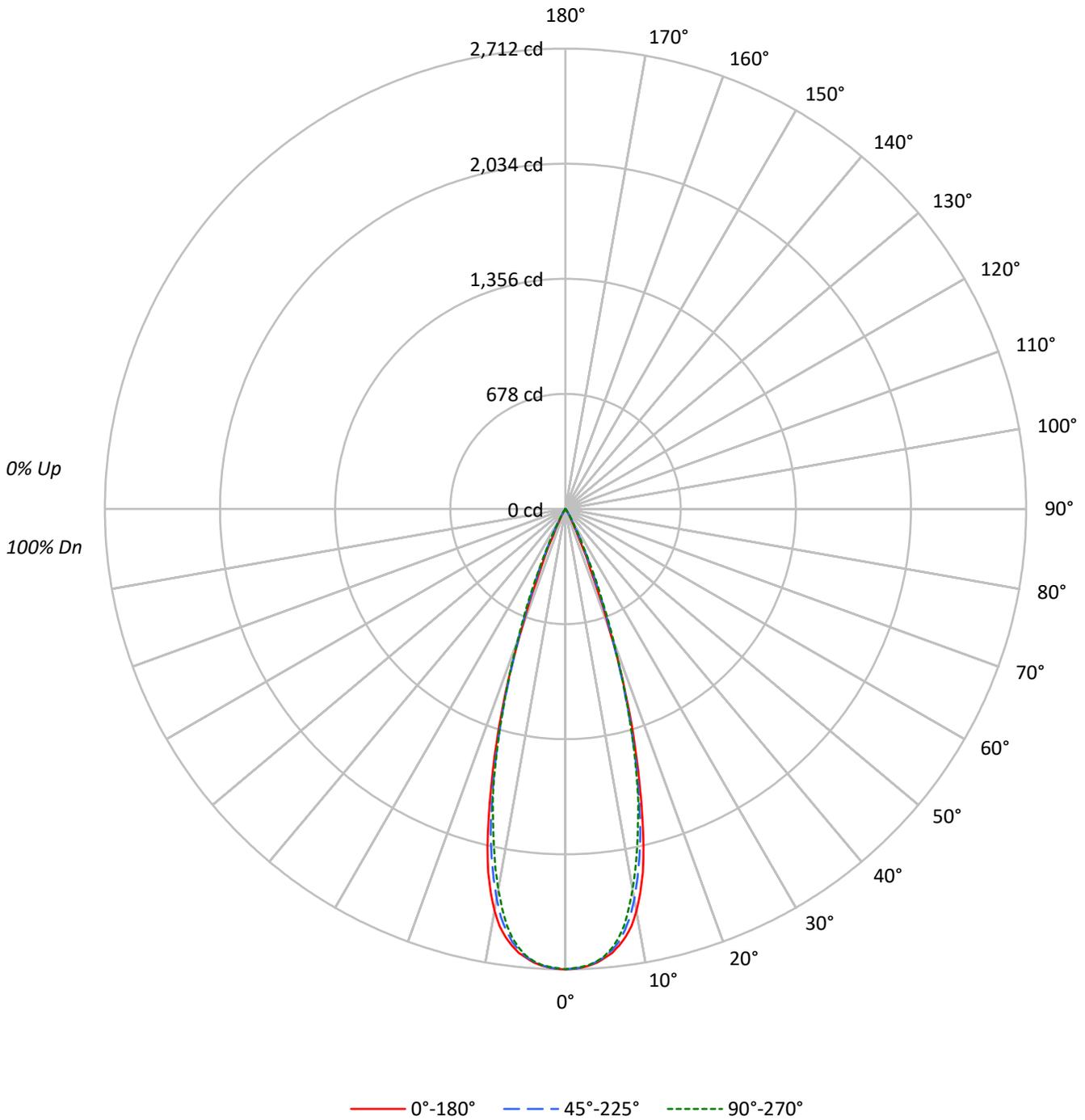
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 93 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 94 | 97 | 95 | 93 | 95 | 93 | 92 | 90 |
| 4 | 104 | 99 | 95 | 92 | 103 | 98 | 94 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 90 | 89 | 87 |
| 5 | 101 | 95 | 91 | 88 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 |
| 6 | 98 | 92 | 88 | 85 | 97 | 91 | 88 | 85 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 |
| 7 | 96 | 89 | 85 | 82 | 94 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 |
| 8 | 93 | 86 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 79 | 83 | 80 | 78 | 77 |
| 9 | 90 | 84 | 80 | 77 | 89 | 83 | 79 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 75 |
| 10 | 88 | 81 | 77 | 75 | 87 | 81 | 77 | 74 | 80 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 73 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 594580 | 594580 | 594580 |
| 5° | 584370 | 583115 | 581861 |
| 10° | 535572 | 519474 | 506827 |
| 15° | 383498 | 371262 | 366767 |
| 20° | 177839 | 183953 | 190393 |
| 25° | 42196 | 60028 | 62592 |
| 30° | 12382 | 14179 | 15977 |
| 35° | 2838 | 4551 | 4176 |
| 40° | 601 | 1231 | 802 |
| 45° | 217 | 217 | 217 |
| 50° | 239 | 0 | 239 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 252 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 243.4 | 29.6 |
| 10°-20° | 435.2 | 52.9 |
| 20°-30° | 130.9 | 15.9 |
| 30°-40° | 12.5 | 1.5 |
| 40°-50° | 0.8 | 0.1 |
| 50°-60° | 0.1 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 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° | 809.6 | 98.4 |
| 0°-40° | 822.1 | 99.9 |
| 0°-60° | 823.0 | 100.0 |
| 0°-90° | 823.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 823.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2712 | 2712 | 2712 | 2712 | 2712 | |
| 5° | 2655 | 2654 | 2649 | 2646 | 2643 | 246 |
| 15° | 1689 | 1676 | 1635 | 1628 | 1616 | 446 |
| 25° | 174 | 192 | 248 | 259 | 259 | 112 |
| 35° | 11 | 14 | 17 | 18 | 16 | 10 |
| 45° | 1 | 1 | 1 | 1 | 1 | 1 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2711.5 | 2711.5 | 2711.5 | 2711.5 | 2711.5 |
| 1° | 2710.1 | 2710.1 | 2708.7 | 2708.7 | 2705.8 |
| 2° | 2703.7 | 2704.4 | 2701.6 | 2700.9 | 2698.7 |
| 3° | 2693.8 | 2691.7 | 2691.7 | 2690.2 | 2688.8 |
| 4° | 2678.2 | 2673.9 | 2672.5 | 2673.2 | 2670.4 |
| 5° | 2654.8 | 2654.1 | 2649.1 | 2645.6 | 2643.4 |
| 6° | 2629.3 | 2624.3 | 2613.7 | 2604.5 | 2602.3 |
| 7° | 2591.0 | 2580.4 | 2571.1 | 2552.0 | 2549.2 |
| 8° | 2544.2 | 2527.2 | 2507.3 | 2480.4 | 2479.0 |
| 9° | 2486.8 | 2459.1 | 2431.5 | 2395.3 | 2382.6 |
| 10° | 2405.3 | 2379.7 | 2333.0 | 2301.1 | 2276.2 |
| 11° | 2303.9 | 2272.0 | 2217.4 | 2179.1 | 2158.6 |
| 12° | 2189.0 | 2159.3 | 2095.5 | 2060.7 | 2031.7 |
| 13° | 2041.6 | 2016.8 | 1957.2 | 1919.0 | 1896.3 |
| 14° | 1870.8 | 1852.3 | 1795.6 | 1778.6 | 1770.8 |
| 15° | 1689.3 | 1676.5 | 1635.4 | 1628.3 | 1615.6 |
| 17.5° | 1243.4 | 1222.1 | 1198.7 | 1203.0 | 1207.2 |
| 20° | 762.1 | 791.8 | 788.3 | 803.9 | 815.9 |
| 22.5° | 380.0 | 418.2 | 462.9 | 489.8 | 503.3 |
| 25° | 174.4 | 192.1 | 248.1 | 258.7 | 258.7 |
| 27.5° | 87.9 | 92.2 | 117.0 | 119.1 | 124.8 |
| 30° | 48.9 | 52.5 | 56.0 | 62.4 | 63.1 |
| 32.5° | 24.8 | 29.1 | 30.5 | 34.0 | 32.6 |
| 35° | 10.6 | 14.2 | 17.0 | 18.4 | 15.6 |
| 37.5° | 5.0 | 6.4 | 9.2 | 8.5 | 6.4 |
| 40° | 2.1 | 2.8 | 4.3 | 3.5 | 2.8 |
| 42.5° | 1.4 | 1.4 | 2.1 | 1.4 | 1.4 |
| 45° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 47.5° | 0.7 | 0.7 | 0.0 | 0.7 | 0.7 |
| 50° | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 52.5° | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)