

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: P1312273

Luminaire Tested: P3SQAS09R309727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

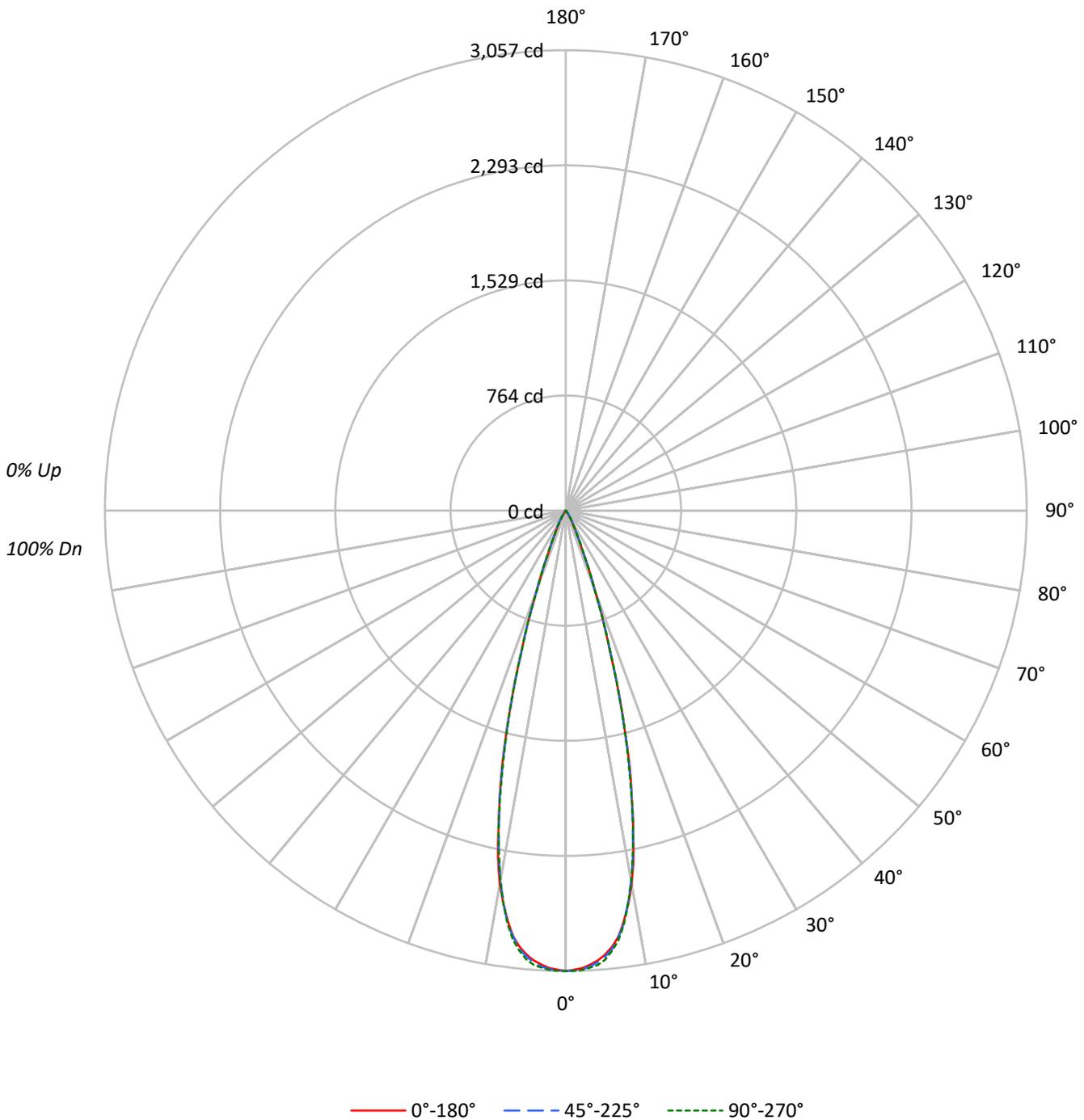
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 794.9 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 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





TEST NUMBER: P1312273

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 526450 | 526450 | 526450 |
| 5° | 512020 | 514250 | 517431 |
| 10° | 440294 | 436534 | 436954 |
| 15° | 270532 | 268356 | 268570 |
| 20° | 102964 | 103184 | 101278 |
| 25° | 32742 | 34490 | 32875 |
| 30° | 13165 | 16347 | 13543 |
| 35° | 4247 | 7211 | 4247 |
| 40° | 1933 | 3170 | 1933 |
| 45° | 755 | 1340 | 755 |
| 50° | 322 | 670 | 322 |
| 55° | 360 | 360 | 360 |
| 60° | 413 | 413 | 413 |
| 65° | 245 | 245 | 245 |
| 70° | 302 | 302 | 302 |
| 75° | 399 | 399 | 399 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1340 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 269.6 | 33.9 |
| 10°-20° | 400.0 | 50.3 |
| 20°-30° | 99.4 | 12.5 |
| 30°-40° | 19.8 | 2.5 |
| 40°-50° | 3.6 | 0.5 |
| 50°-60° | 1.1 | 0.1 |
| 60°-70° | 0.8 | 0.1 |
| 70°-80° | 0.6 | 0.1 |
| 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° | 769.0 | 96.7 |
| 0°-40° | 788.8 | 99.2 |
| 0°-60° | 793.6 | 99.8 |
| 0°-90° | 794.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 794.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3057 | 3057 | 3057 | 3057 | 3057 | |
| 5° | 2962 | 2972 | 2975 | 2979 | 2993 | 269 |
| 15° | 1517 | 1520 | 1505 | 1510 | 1506 | 402 |
| 25° | 172 | 176 | 182 | 179 | 173 | 97 |
| 35° | 20 | 26 | 34 | 26 | 20 | 16 |
| 45° | 3 | 4 | 6 | 4 | 3 | 3 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1312273

CATALOG NUMBER: P3SQAS09R309727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3056.8 | 3056.8 | 3056.8 | 3056.8 | 3056.8 |
| 1° | 3050.0 | 3053.7 | 3056.2 | 3056.2 | 3056.2 |
| 2° | 3041.4 | 3043.9 | 3047.6 | 3048.2 | 3053.1 |
| 3° | 3021.2 | 3026.7 | 3032.8 | 3036.5 | 3039.0 |
| 4° | 2996.7 | 3004.0 | 3007.7 | 3016.9 | 3024.9 |
| 5° | 2961.7 | 2971.5 | 2974.6 | 2978.9 | 2993.0 |
| 6° | 2914.5 | 2921.8 | 2928.0 | 2929.8 | 2938.4 |
| 7° | 2851.9 | 2855.6 | 2854.4 | 2857.4 | 2872.8 |
| 8° | 2756.9 | 2758.1 | 2768.5 | 2761.8 | 2772.2 |
| 9° | 2644.0 | 2639.1 | 2636.6 | 2641.5 | 2642.2 |
| 10° | 2517.7 | 2501.1 | 2496.2 | 2491.9 | 2498.6 |
| 11° | 2353.9 | 2332.4 | 2334.3 | 2333.1 | 2323.2 |
| 12° | 2150.3 | 2147.8 | 2131.9 | 2135.0 | 2149.7 |
| 13° | 1942.4 | 1946.7 | 1943.6 | 1947.3 | 1930.7 |
| 14° | 1747.3 | 1726.5 | 1732.0 | 1711.1 | 1719.1 |
| 15° | 1517.3 | 1520.4 | 1505.1 | 1510.0 | 1506.3 |
| 17.5° | 971.5 | 978.2 | 973.3 | 969.0 | 975.8 |
| 20° | 561.8 | 561.2 | 563.0 | 557.5 | 552.6 |
| 22.5° | 295.6 | 299.9 | 305.4 | 306.0 | 309.7 |
| 25° | 172.3 | 176.0 | 181.5 | 179.1 | 173.0 |
| 27.5° | 105.5 | 112.2 | 120.8 | 114.7 | 107.3 |
| 30° | 66.2 | 71.8 | 82.2 | 72.4 | 68.1 |
| 32.5° | 37.4 | 45.4 | 54.0 | 45.4 | 37.4 |
| 35° | 20.2 | 26.4 | 34.3 | 25.8 | 20.2 |
| 37.5° | 13.5 | 15.3 | 22.7 | 15.3 | 13.5 |
| 40° | 8.6 | 10.4 | 14.1 | 10.4 | 8.6 |
| 42.5° | 4.9 | 6.7 | 8.0 | 6.7 | 4.9 |
| 45° | 3.1 | 3.7 | 5.5 | 4.3 | 3.1 |
| 47.5° | 1.2 | 1.8 | 3.7 | 1.8 | 1.8 |
| 50° | 1.2 | 1.2 | 2.5 | 1.2 | 1.2 |
| 52.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 55° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 57.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 60° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 62.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 65° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 70° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 75° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 77.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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)