

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: P1308425

Luminaire Tested: P3SQAS24R209030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R209030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

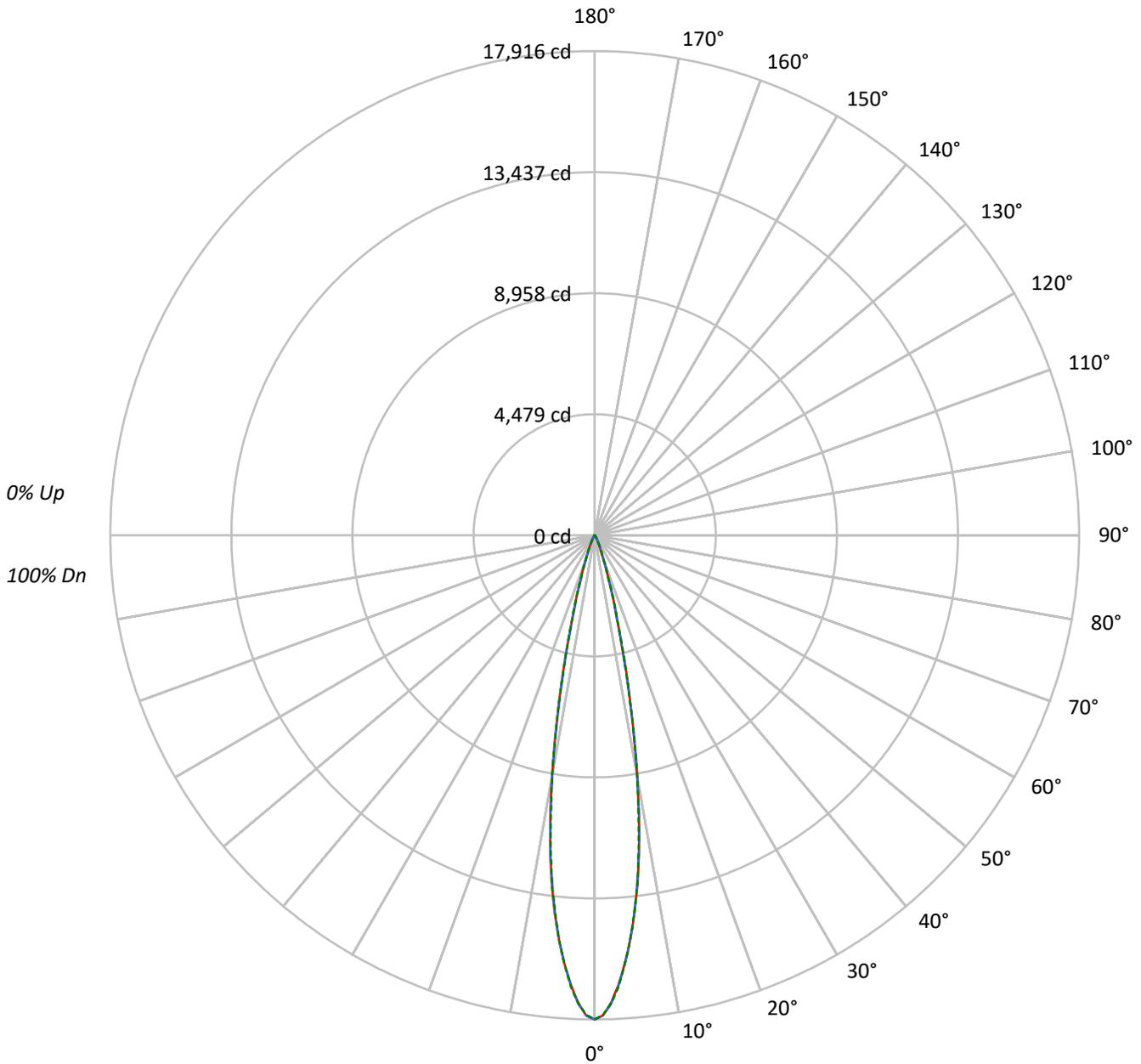
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2469.0 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 116 | 114 | 112 | 110 | 113 | 111 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 99 | 98 | 97 | 98 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 97 | 96 | 94 | 95 |
| 3 | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99 | 102 | 99 | 97 | 99 | 97 | 96 | 97 | 96 | 94 | 97 | 96 | 94 | 93 |
| 4 | 107 | 102 | 98 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 96 | 94 | 92 | 91 |
| 5 | 104 | 99 | 95 | 93 | 103 | 98 | 95 | 92 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 6 | 102 | 96 | 93 | 90 | 101 | 96 | 92 | 90 | 94 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 7 | 100 | 94 | 90 | 88 | 99 | 94 | 90 | 88 | 92 | 90 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 91 | 88 | 87 | 86 |
| 8 | 97 | 92 | 88 | 86 | 97 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 85 | 89 | 87 | 85 | 89 | 87 | 85 | 84 |
| 9 | 96 | 90 | 87 | 84 | 95 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 83 | 83 |
| 10 | 94 | 88 | 85 | 83 | 93 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 86 | 84 | 82 | 81 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 3085627 | 3085627 | 3085627 |
| 5° | 2600711 | 2601713 | 2600382 |
| 10° | 1584828 | 1577465 | 1581138 |
| 15° | 558233 | 560622 | 577989 |
| 20° | 175395 | 180306 | 176458 |
| 25° | 65711 | 71868 | 67516 |
| 30° | 25455 | 36094 | 26588 |
| 35° | 9629 | 16063 | 10449 |
| 40° | 5148 | 6880 | 5148 |
| 45° | 1851 | 3264 | 2338 |
| 50° | 1018 | 1527 | 1018 |
| 55° | 1141 | 1141 | 1141 |
| 60° | 654 | 654 | 654 |
| 65° | 774 | 774 | 774 |
| 70° | 957 | 957 | 957 |
| 75° | 0 | 0 | 1264 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3264 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1243.7 | 50.4 |
| 10°-20° | 975.2 | 39.5 |
| 20°-30° | 191.5 | 7.8 |
| 30°-40° | 43.0 | 1.7 |
| 40°-50° | 9.8 | 0.4 |
| 50°-60° | 3.1 | 0.1 |
| 60°-70° | 1.9 | 0.1 |
| 70°-80° | 0.8 | 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° | 2410.5 | 97.6 |
| 0°-40° | 2453.4 | 99.4 |
| 0°-60° | 2466.3 | 99.9 |
| 0°-90° | 2469.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2469.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 17916 | 17916 | 17916 | 17916 | 17916 | |
| 5° | 15043 | 15057 | 15049 | 15101 | 15042 | 1246 |
| 15° | 3131 | 3144 | 3144 | 3213 | 3242 | 973 |
| 25° | 346 | 369 | 378 | 372 | 355 | 182 |
| 35° | 46 | 55 | 76 | 55 | 50 | 34 |
| 45° | 8 | 12 | 13 | 12 | 10 | 8 |
| 55° | 4 | 4 | 4 | 4 | 4 | 3 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 0 | 0 | 0 | 0 | 2 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1308425
 CATALOG NUMBER: P3SQAS24R209030D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 17916.5 | 17916.5 | 17916.5 | 17916.5 | 17916.5 |
| 1° | 17771.3 | 17733.1 | 17777.1 | 17742.7 | 17750.3 |
| 2° | 17310.9 | 17289.9 | 17347.2 | 17310.9 | 17330.1 |
| 3° | 16671.0 | 16644.3 | 16686.3 | 16688.2 | 16741.7 |
| 4° | 15906.9 | 15855.3 | 15918.4 | 15920.3 | 15929.8 |
| 5° | 15043.4 | 15056.8 | 15049.2 | 15100.8 | 15041.5 |
| 6° | 14073.0 | 14117.0 | 14059.7 | 14088.3 | 14006.2 |
| 7° | 12988.0 | 12932.6 | 12903.9 | 12913.5 | 12970.8 |
| 8° | 11790.2 | 11752.0 | 11794.1 | 11734.8 | 11694.7 |
| 9° | 10458.8 | 10391.9 | 10437.8 | 10380.5 | 10323.1 |
| 10° | 9062.4 | 9031.8 | 9020.3 | 8955.4 | 9041.3 |
| 11° | 7662.1 | 7570.4 | 7616.3 | 7583.8 | 7677.4 |
| 12° | 6351.7 | 6359.3 | 6269.5 | 6298.2 | 6309.7 |
| 13° | 5169.2 | 5047.0 | 5062.2 | 5140.6 | 5153.9 |
| 14° | 4009.7 | 4026.9 | 4032.6 | 4088.0 | 4120.5 |
| 15° | 3130.9 | 3144.3 | 3144.3 | 3213.1 | 3241.7 |
| 17.5° | 1679.1 | 1679.1 | 1715.4 | 1723.1 | 1726.9 |
| 20° | 957.0 | 962.8 | 983.8 | 981.9 | 962.8 |
| 22.5° | 573.1 | 584.5 | 596.0 | 584.5 | 573.1 |
| 25° | 345.8 | 368.7 | 378.2 | 372.5 | 355.3 |
| 27.5° | 206.3 | 231.1 | 257.9 | 236.9 | 204.4 |
| 30° | 128.0 | 141.4 | 181.5 | 145.2 | 133.7 |
| 32.5° | 70.7 | 91.7 | 124.2 | 95.5 | 72.6 |
| 35° | 45.8 | 55.4 | 76.4 | 55.4 | 49.7 |
| 37.5° | 32.5 | 38.2 | 47.8 | 40.1 | 34.4 |
| 40° | 22.9 | 26.7 | 30.6 | 28.7 | 22.9 |
| 42.5° | 15.3 | 19.1 | 21.0 | 19.1 | 15.3 |
| 45° | 7.6 | 11.5 | 13.4 | 11.5 | 9.6 |
| 47.5° | 3.8 | 5.7 | 9.6 | 5.7 | 3.8 |
| 50° | 3.8 | 3.8 | 5.7 | 3.8 | 3.8 |
| 52.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 55° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 57.5° | 3.8 | 3.8 | 1.9 | 3.8 | 1.9 |
| 60° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 62.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 65° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 67.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 70° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 72.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 |
| 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)