

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: P1305906

Luminaire Tested: P3SQASS13R259024DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS13R259024DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

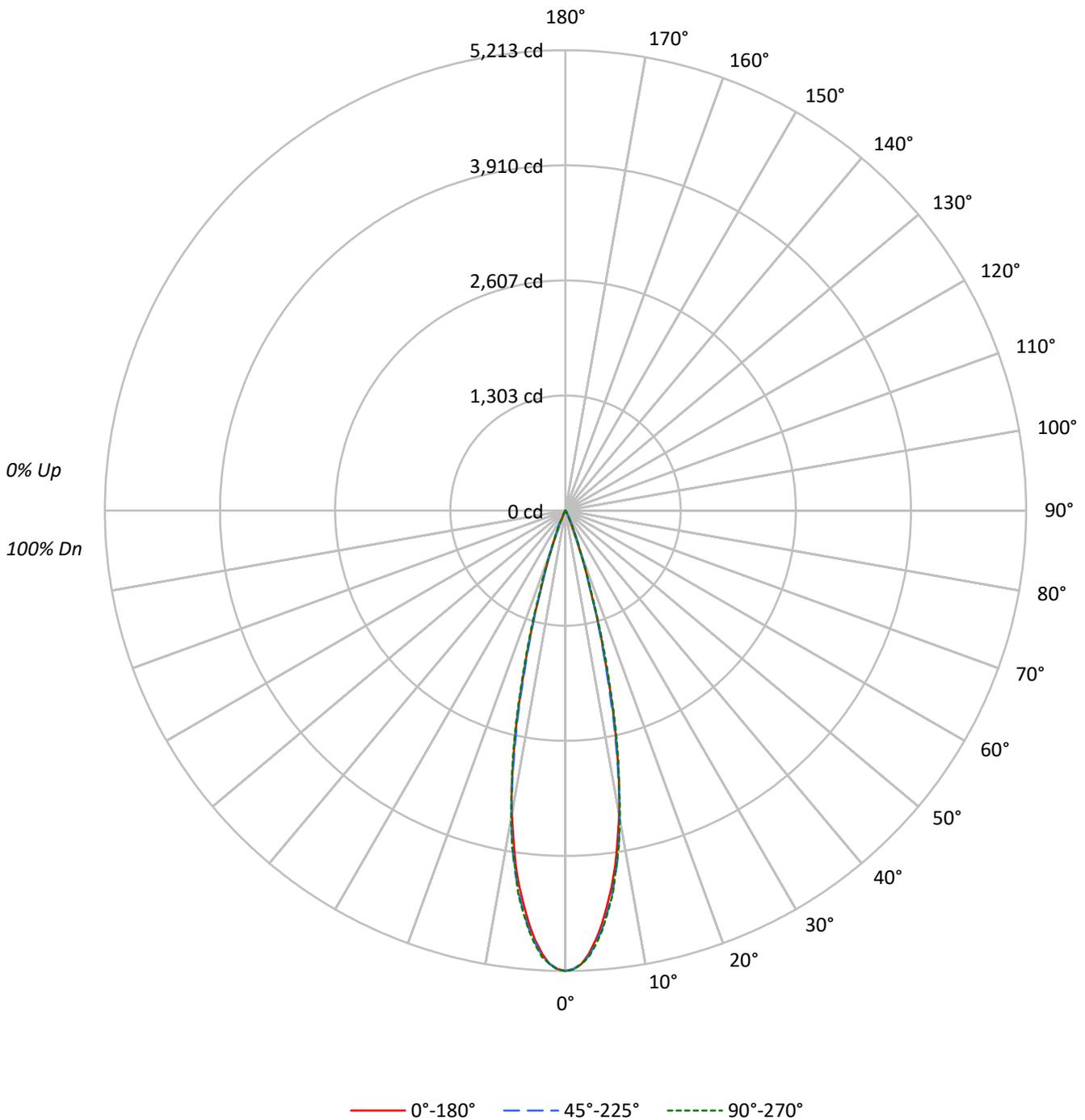
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 962.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 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 | | | | |
| 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 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98 | 99 | 97 | 96 | 96 | 96 | 96 | 95 |
| 3 | 109 | 105 | 102 | 99 | 107 | 104 | 101 | 98 | 101 | 99 | 97 | 99 | 97 | 95 | 97 | 95 | 94 | 94 | 94 | 94 | 93 |
| 4 | 106 | 101 | 98 | 95 | 105 | 100 | 97 | 95 | 99 | 96 | 94 | 97 | 94 | 93 | 95 | 93 | 92 | 92 | 92 | 92 | 91 |
| 5 | 104 | 98 | 95 | 92 | 102 | 98 | 94 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 89 | 89 | 89 | 88 |
| 6 | 101 | 96 | 92 | 89 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 7 | 99 | 93 | 89 | 87 | 98 | 93 | 89 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 86 | 86 | 86 | 85 |
| 8 | 97 | 91 | 87 | 85 | 96 | 90 | 87 | 85 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 84 | 84 | 84 | 84 | 83 |
| 9 | 95 | 89 | 85 | 83 | 94 | 88 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 82 | 82 | 82 | 81 |
| 10 | 93 | 87 | 83 | 81 | 92 | 86 | 83 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 85 | 82 | 80 | 80 | 80 | 80 | 80 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 897728 | 897728 | 897728 |
| 5° | 813524 | 820940 | 824934 |
| 10° | 611571 | 615925 | 618776 |
| 15° | 302821 | 293799 | 313377 |
| 20° | 85516 | 86928 | 87881 |
| 25° | 14841 | 28029 | 17596 |
| 30° | 5807 | 5966 | 6145 |
| 35° | 1808 | 1976 | 1976 |
| 40° | 585 | 764 | 585 |
| 45° | 414 | 219 | 414 |
| 50° | 241 | 0 | 241 |
| 55° | 270 | 0 | 270 |
| 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: 45°

Luminance: 414 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 414.1 | 43.0 |
| 10°-20° | 467.0 | 48.5 |
| 20°-30° | 72.4 | 7.5 |
| 30°-40° | 7.3 | 0.8 |
| 40°-50° | 1.0 | 0.1 |
| 50°-60° | 0.2 | 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° | 953.5 | 99.1 |
| 0°-40° | 960.8 | 99.9 |
| 0°-60° | 962.0 | 100.0 |
| 0°-90° | 962.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 962.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5213 | 5213 | 5213 | 5213 | 5213 | |
| 5° | 4706 | 4714 | 4749 | 4767 | 4772 | 410 |
| 15° | 1698 | 1686 | 1648 | 1722 | 1758 | 465 |
| 25° | 78 | 116 | 148 | 112 | 93 | 65 |
| 35° | 9 | 9 | 9 | 10 | 9 | 7 |
| 45° | 2 | 1 | 1 | 1 | 2 | 1 |
| 55° | 1 | 0 | 0 | 0 | 1 | 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° | 5212.6 | 5212.6 | 5212.6 | 5212.6 | 5212.6 |
| 1° | 5191.2 | 5198.0 | 5190.3 | 5198.9 | 5198.0 |
| 2° | 5137.1 | 5144.0 | 5134.6 | 5139.7 | 5139.7 |
| 3° | 5026.5 | 5041.1 | 5049.6 | 5055.6 | 5060.8 |
| 4° | 4880.7 | 4897.0 | 4909.8 | 4925.3 | 4925.3 |
| 5° | 4705.7 | 4714.3 | 4748.6 | 4767.4 | 4771.7 |
| 6° | 4497.2 | 4531.6 | 4557.3 | 4595.0 | 4571.9 |
| 7° | 4288.8 | 4317.1 | 4353.1 | 4359.1 | 4375.4 |
| 8° | 4052.1 | 4082.1 | 4115.5 | 4109.5 | 4095.8 |
| 9° | 3763.9 | 3807.6 | 3847.1 | 3834.2 | 3851.3 |
| 10° | 3497.1 | 3523.7 | 3522.0 | 3509.1 | 3538.3 |
| 11° | 3187.4 | 3193.4 | 3160.0 | 3212.3 | 3180.6 |
| 12° | 2820.3 | 2825.5 | 2782.6 | 2834.0 | 2866.6 |
| 13° | 2468.6 | 2456.6 | 2397.4 | 2465.2 | 2506.4 |
| 14° | 2063.8 | 2068.1 | 1992.6 | 2123.8 | 2113.5 |
| 15° | 1698.4 | 1686.4 | 1647.8 | 1721.5 | 1757.6 |
| 17.5° | 904.9 | 912.7 | 903.2 | 940.1 | 963.3 |
| 20° | 466.6 | 479.5 | 474.3 | 489.8 | 479.5 |
| 22.5° | 241.9 | 259.9 | 265.0 | 253.0 | 220.4 |
| 25° | 78.1 | 115.8 | 147.5 | 112.4 | 92.6 |
| 27.5° | 47.2 | 46.3 | 72.1 | 49.8 | 50.6 |
| 30° | 29.2 | 28.3 | 30.0 | 30.0 | 30.9 |
| 32.5° | 16.3 | 17.2 | 16.3 | 18.0 | 17.2 |
| 35° | 8.6 | 9.4 | 9.4 | 10.3 | 9.4 |
| 37.5° | 5.1 | 6.0 | 6.0 | 6.0 | 5.1 |
| 40° | 2.6 | 3.4 | 3.4 | 2.6 | 2.6 |
| 42.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 45° | 1.7 | 0.9 | 0.9 | 0.9 | 1.7 |
| 47.5° | 0.9 | 0.9 | 0.0 | 0.9 | 0.9 |
| 50° | 0.9 | 0.9 | 0.0 | 0.9 | 0.9 |
| 52.5° | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 |
| 55° | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 |
| 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)