

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: P1314497

Luminaire Tested: P3SQAS17R209735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314497
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: P3SQAS17R209735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

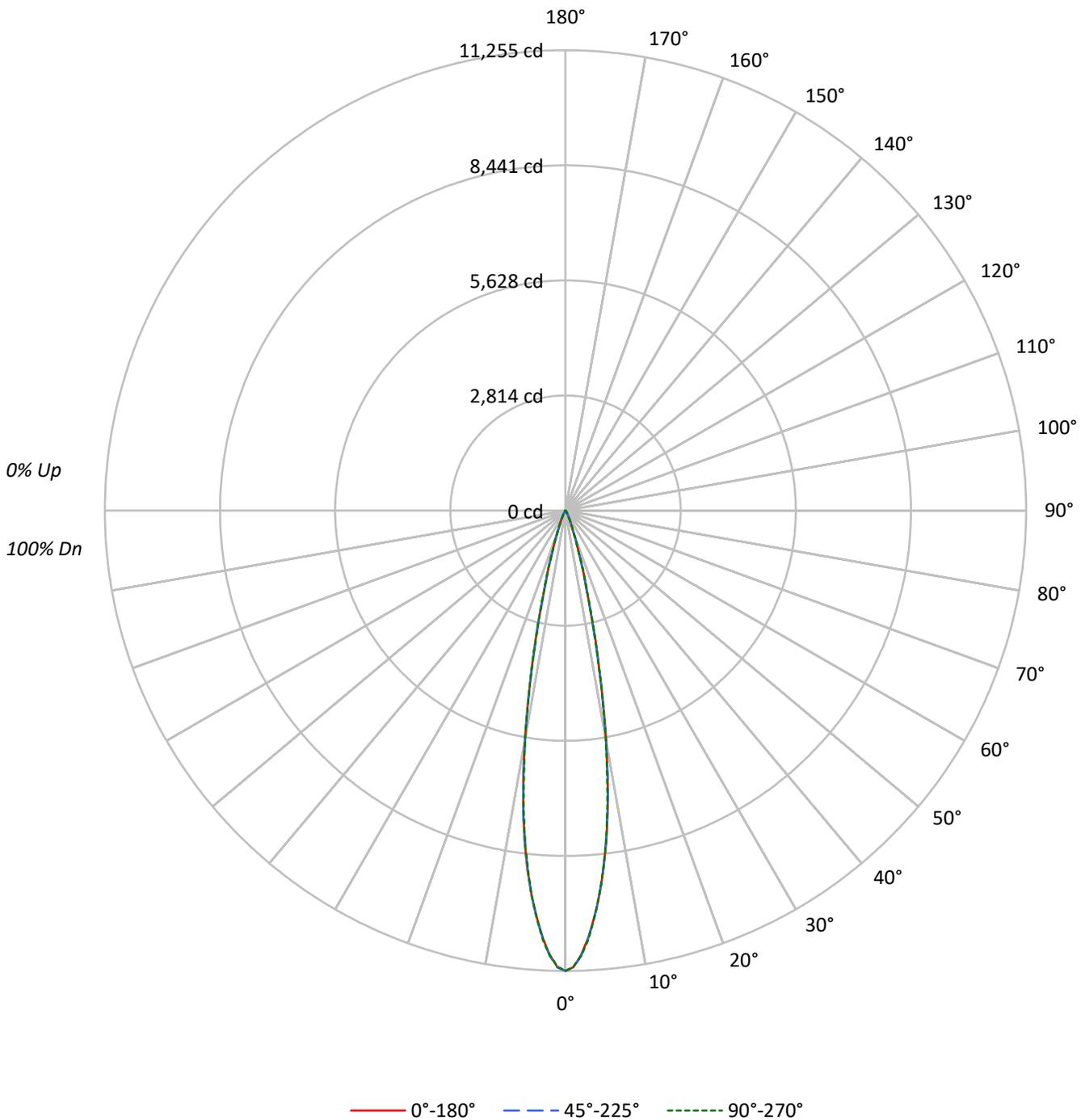
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1551.0 lumens
Efficiency: N/A
Efficacy: 73.2 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): 21.2
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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CATALOG NUMBER: P3SQAS17R209735DE010 E3SQCD1MW

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 | 116 | 114 | 112 | 110 | 113 | 111 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 99 | 98 | 98 | 98 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 99 | 98 | 97 | 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° | 1938366 | 1938366 | 1938366 |
| 5° | 1633738 | 1634360 | 1633531 |
| 10° | 995571 | 990954 | 993263 |
| 15° | 350677 | 352174 | 363086 |
| 20° | 110185 | 113264 | 110845 |
| 25° | 41274 | 45150 | 42414 |
| 30° | 15989 | 22671 | 16705 |
| 35° | 6055 | 10092 | 6560 |
| 40° | 3237 | 4317 | 3237 |
| 45° | 1169 | 2046 | 1461 |
| 50° | 643 | 965 | 643 |
| 55° | 721 | 721 | 721 |
| 60° | 413 | 413 | 413 |
| 65° | 489 | 489 | 489 |
| 70° | 604 | 604 | 604 |
| 75° | 0 | 0 | 799 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2046 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 781.3 | 50.4 |
| 10°-20° | 612.6 | 39.5 |
| 20°-30° | 120.3 | 7.8 |
| 30°-40° | 27.0 | 1.7 |
| 40°-50° | 6.1 | 0.4 |
| 50°-60° | 1.9 | 0.1 |
| 60°-70° | 1.2 | 0.1 |
| 70°-80° | 0.5 | 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° | 1514.2 | 97.6 |
| 0°-40° | 1541.2 | 99.4 |
| 0°-60° | 1549.3 | 99.9 |
| 0°-90° | 1551.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1551.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 11255 | 11255 | 11255 | 11255 | 11255 | |
| 5° | 9450 | 9458 | 9454 | 9486 | 9449 | 783 |
| 15° | 1967 | 1975 | 1975 | 2018 | 2036 | 611 |
| 25° | 217 | 232 | 238 | 234 | 223 | 114 |
| 35° | 29 | 35 | 48 | 35 | 31 | 21 |
| 45° | 5 | 7 | 8 | 7 | 6 | 5 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 0 | 0 | 0 | 0 | 1 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314497

CATALOG NUMBER: P3SQAS17R209735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 11255.0 | 11255.0 | 11255.0 | 11255.0 | 11255.0 |
| 1° | 11163.8 | 11139.8 | 11167.4 | 11145.8 | 11150.6 |
| 2° | 10874.6 | 10861.4 | 10897.4 | 10874.6 | 10886.6 |
| 3° | 10472.6 | 10455.8 | 10482.2 | 10483.4 | 10517.0 |
| 4° | 9992.5 | 9960.1 | 9999.7 | 10000.9 | 10006.9 |
| 5° | 9450.1 | 9458.5 | 9453.7 | 9486.1 | 9448.9 |
| 6° | 8840.5 | 8868.1 | 8832.1 | 8850.1 | 8798.5 |
| 7° | 8158.9 | 8124.1 | 8106.1 | 8112.1 | 8148.1 |
| 8° | 7406.5 | 7382.5 | 7408.9 | 7371.7 | 7346.5 |
| 9° | 6570.1 | 6528.1 | 6556.9 | 6520.9 | 6484.9 |
| 10° | 5692.9 | 5673.7 | 5666.5 | 5625.7 | 5679.7 |
| 11° | 4813.3 | 4755.7 | 4784.5 | 4764.1 | 4822.9 |
| 12° | 3990.1 | 3994.9 | 3938.5 | 3956.5 | 3963.7 |
| 13° | 3247.2 | 3170.4 | 3180.0 | 3229.2 | 3237.6 |
| 14° | 2518.8 | 2529.6 | 2533.2 | 2568.0 | 2588.4 |
| 15° | 1966.8 | 1975.2 | 1975.2 | 2018.4 | 2036.4 |
| 17.5° | 1054.8 | 1054.8 | 1077.6 | 1082.4 | 1084.8 |
| 20° | 601.2 | 604.8 | 618.0 | 616.8 | 604.8 |
| 22.5° | 360.0 | 367.2 | 374.4 | 367.2 | 360.0 |
| 25° | 217.2 | 231.6 | 237.6 | 234.0 | 223.2 |
| 27.5° | 129.6 | 145.2 | 162.0 | 148.8 | 128.4 |
| 30° | 80.4 | 88.8 | 114.0 | 91.2 | 84.0 |
| 32.5° | 44.4 | 57.6 | 78.0 | 60.0 | 45.6 |
| 35° | 28.8 | 34.8 | 48.0 | 34.8 | 31.2 |
| 37.5° | 20.4 | 24.0 | 30.0 | 25.2 | 21.6 |
| 40° | 14.4 | 16.8 | 19.2 | 18.0 | 14.4 |
| 42.5° | 9.6 | 12.0 | 13.2 | 12.0 | 9.6 |
| 45° | 4.8 | 7.2 | 8.4 | 7.2 | 6.0 |
| 47.5° | 2.4 | 3.6 | 6.0 | 3.6 | 2.4 |
| 50° | 2.4 | 2.4 | 3.6 | 2.4 | 2.4 |
| 52.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 55° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 57.5° | 2.4 | 2.4 | 1.2 | 2.4 | 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° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 67.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 70° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 72.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 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)