

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: P1319365

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQCD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319365
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: P3SQAS02R20B2750DE010 E3SQCD1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

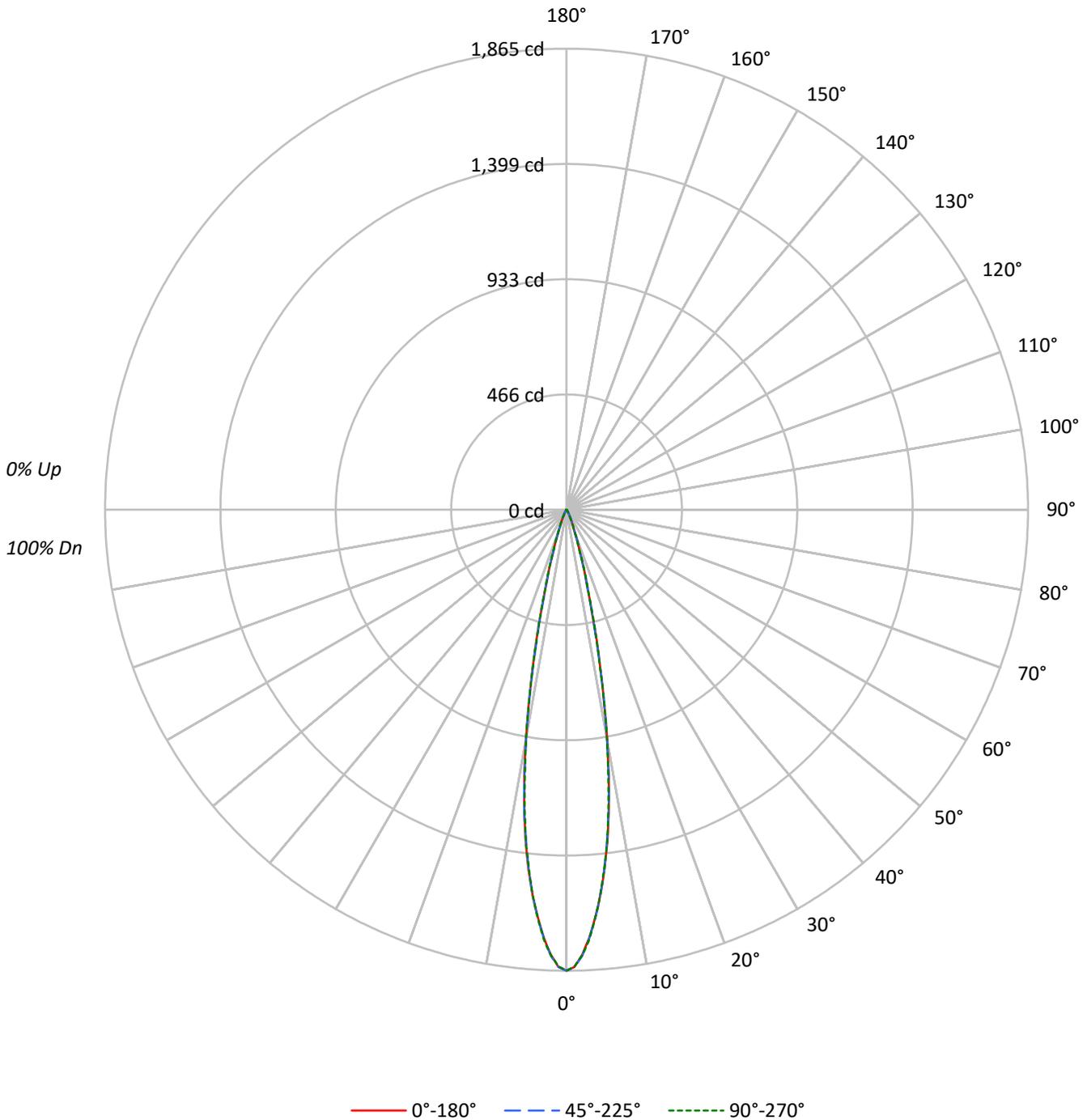
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 257.0 lumens
Efficiency: N/A
Efficacy: 88.6 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): 2.9
Input Voltage (V): NR
Input Current (Ain): 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: P1319365

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|----|
| RF | 20 | | | | | | | | | 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 | 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 | 102 | 102 | 102 | 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 | 97 | 96 | 96 | 95 | 95 | 94 | 94 | 93 | 93 | 92 | | | | | | | | | | | | | | | | |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 97 | 96 | 96 | 95 | 94 | 94 | 93 | 93 | 92 | 92 | 91 | 91 | 90 | | | | | | | | | | | | | | | | |
| 3 | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99 | 102 | 99 | 97 | 99 | 97 | 96 | 97 | 96 | 94 | 94 | 93 | 93 | 92 | 92 | 91 | 91 | 90 | 90 | 89 | 89 | 88 | 87 | | | | | | | | | | | | | | | | |
| 4 | 107 | 102 | 98 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 92 | 91 | 91 | 90 | 90 | 89 | 89 | 88 | 88 | 87 | 87 | 86 | 86 | | | | | | | | | | | | | | | | |
| 5 | 104 | 99 | 95 | 93 | 103 | 98 | 95 | 92 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 90 | 89 | 89 | 88 | 88 | 87 | 87 | 86 | 86 | 85 | 85 | 84 | 84 | | | | | | | | | | | | | | | | |
| 6 | 102 | 96 | 93 | 90 | 101 | 96 | 92 | 90 | 94 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 88 | 87 | 87 | 86 | 86 | 85 | 85 | 84 | 84 | 83 | 83 | 82 | 82 | | | | | | | | | | | | | | | | |
| 7 | 100 | 94 | 90 | 88 | 99 | 94 | 90 | 88 | 92 | 90 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 87 | 86 | 86 | 85 | 85 | 84 | 84 | 83 | 83 | 82 | 82 | 81 | 81 | | | | | | | | | | | | | | | | |
| 8 | 97 | 92 | 88 | 86 | 97 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 85 | 89 | 87 | 85 | 85 | 84 | 84 | 83 | 83 | 82 | 82 | 81 | 81 | 80 | 80 | 79 | 79 | | | | | | | | | | | | | | | | |
| 9 | 96 | 90 | 87 | 84 | 95 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 84 | 87 | 85 | 83 | 83 | 82 | 82 | 81 | 81 | 80 | 80 | 79 | 79 | 78 | 78 | 77 | 77 | | | | | | | | | | | | | | | | |
| 10 | 94 | 88 | 85 | 83 | 93 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 82 | 81 | 81 | 80 | 80 | 79 | 79 | 78 | 78 | 77 | 77 | 76 | 76 | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 321178 | 321178 | 321178 |
| 5° | 270714 | 270817 | 270679 |
| 10° | 164964 | 164194 | 164579 |
| 15° | 58107 | 58357 | 60158 |
| 20° | 18254 | 18767 | 18364 |
| 25° | 6841 | 7487 | 7031 |
| 30° | 2645 | 3759 | 2764 |
| 35° | 1009 | 1682 | 1093 |
| 40° | 540 | 719 | 540 |
| 45° | 195 | 341 | 244 |
| 50° | 107 | 161 | 107 |
| 55° | 120 | 120 | 120 |
| 60° | 69 | 69 | 69 |
| 65° | 82 | 82 | 82 |
| 70° | 101 | 101 | 101 |
| 75° | 0 | 0 | 133 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 341 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 129.5 | 50.4 |
| 10°-20° | 101.5 | 39.5 |
| 20°-30° | 19.9 | 7.8 |
| 30°-40° | 4.5 | 1.7 |
| 40°-50° | 1.0 | 0.4 |
| 50°-60° | 0.3 | 0.1 |
| 60°-70° | 0.2 | 0.1 |
| 70°-80° | 0.1 | 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° | 250.9 | 97.6 |
| 0°-40° | 255.4 | 99.4 |
| 0°-60° | 256.7 | 99.9 |
| 0°-90° | 257.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 257.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1865 | 1865 | 1865 | 1865 | 1865 | |
| 5° | 1566 | 1567 | 1566 | 1572 | 1566 | 130 |
| 15° | 326 | 327 | 327 | 334 | 337 | 101 |
| 25° | 36 | 38 | 39 | 39 | 37 | 19 |
| 35° | 5 | 6 | 8 | 6 | 5 | 4 |
| 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° | 1864.9 | 1864.9 | 1864.9 | 1864.9 | 1864.9 |
| 1° | 1849.8 | 1845.9 | 1850.4 | 1846.8 | 1847.6 |
| 2° | 1801.9 | 1799.7 | 1805.7 | 1801.9 | 1803.9 |
| 3° | 1735.3 | 1732.5 | 1736.9 | 1737.1 | 1742.7 |
| 4° | 1655.8 | 1650.4 | 1657.0 | 1657.2 | 1658.1 |
| 5° | 1565.9 | 1567.3 | 1566.5 | 1571.8 | 1565.7 |
| 6° | 1464.9 | 1469.4 | 1463.5 | 1466.5 | 1457.9 |
| 7° | 1351.9 | 1346.2 | 1343.2 | 1344.2 | 1350.1 |
| 8° | 1227.3 | 1223.3 | 1227.7 | 1221.5 | 1217.3 |
| 9° | 1088.7 | 1081.7 | 1086.5 | 1080.5 | 1074.5 |
| 10° | 943.3 | 940.1 | 938.9 | 932.2 | 941.1 |
| 11° | 797.6 | 788.0 | 792.8 | 789.4 | 799.1 |
| 12° | 661.2 | 661.9 | 652.6 | 655.6 | 656.8 |
| 13° | 538.1 | 525.3 | 526.9 | 535.1 | 536.5 |
| 14° | 417.4 | 419.2 | 419.8 | 425.5 | 428.9 |
| 15° | 325.9 | 327.3 | 327.3 | 334.5 | 337.4 |
| 17.5° | 174.8 | 174.8 | 178.6 | 179.4 | 179.8 |
| 20° | 99.6 | 100.2 | 102.4 | 102.2 | 100.2 |
| 22.5° | 59.7 | 60.8 | 62.0 | 60.8 | 59.7 |
| 25° | 36.0 | 38.4 | 39.4 | 38.8 | 37.0 |
| 27.5° | 21.5 | 24.1 | 26.8 | 24.7 | 21.3 |
| 30° | 13.3 | 14.7 | 18.9 | 15.1 | 13.9 |
| 32.5° | 7.4 | 9.5 | 12.9 | 9.9 | 7.6 |
| 35° | 4.8 | 5.8 | 8.0 | 5.8 | 5.2 |
| 37.5° | 3.4 | 4.0 | 5.0 | 4.2 | 3.6 |
| 40° | 2.4 | 2.8 | 3.2 | 3.0 | 2.4 |
| 42.5° | 1.6 | 2.0 | 2.2 | 2.0 | 1.6 |
| 45° | 0.8 | 1.2 | 1.4 | 1.2 | 1.0 |
| 47.5° | 0.4 | 0.6 | 1.0 | 0.6 | 0.4 |
| 50° | 0.4 | 0.4 | 0.6 | 0.4 | 0.4 |
| 52.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 55° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 57.5° | 0.4 | 0.4 | 0.2 | 0.4 | 0.2 |
| 60° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 62.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 65° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 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)