

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: P1292979

Luminaire Tested: P3AS09R35W2N902750DE010 E3PH1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R35W2N902750DE010 E3PH1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

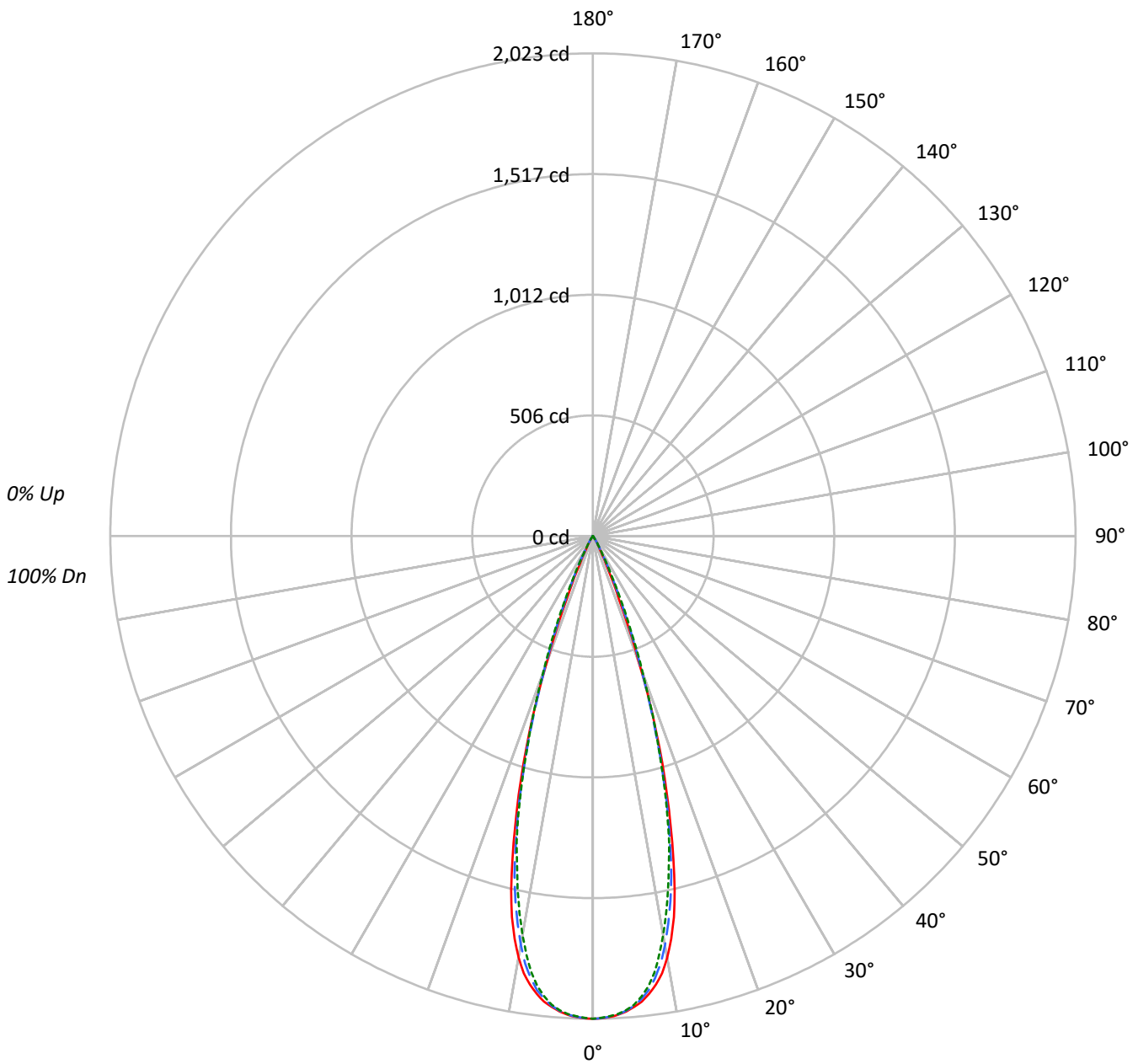
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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



— 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 93 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 94 | 97 | 95 | 93 | 95 | 93 | 92 | 90 |
| 4 | 104 | 99 | 95 | 92 | 103 | 98 | 94 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 90 | 89 | 87 |
| 5 | 101 | 95 | 91 | 88 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 |
| 6 | 98 | 92 | 88 | 85 | 97 | 91 | 88 | 85 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 |
| 7 | 96 | 89 | 85 | 82 | 94 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 |
| 8 | 93 | 86 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 79 | 83 | 80 | 78 | 77 |
| 9 | 90 | 84 | 80 | 77 | 89 | 83 | 79 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 75 |
| 10 | 88 | 81 | 77 | 75 | 87 | 81 | 77 | 74 | 80 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 73 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 443583 | 443583 | 443583 |
| 5° | 435966 | 435042 | 434095 |
| 10° | 399547 | 387546 | 378127 |
| 15° | 286108 | 276982 | 273622 |
| 20° | 132662 | 137235 | 142042 |
| 25° | 31478 | 44785 | 46696 |
| 30° | 9242 | 10584 | 11926 |
| 35° | 2115 | 3400 | 3105 |
| 40° | 458 | 916 | 601 |
| 45° | 155 | 155 | 155 |
| 50° | 171 | 0 | 171 |
| 55° | 0 | 0 | 0 |
| 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: 52.5°

Luminance: 180 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 181.6 | 29.6 |
| 10°-20° | 324.7 | 52.9 |
| 20°-30° | 97.7 | 15.9 |
| 30°-40° | 9.3 | 1.5 |
| 40°-50° | 0.6 | 0.1 |
| 50°-60° | 0.0 | 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° | 604.0 | 98.4 |
| 0°-40° | 613.3 | 99.9 |
| 0°-60° | 614.0 | 100.0 |
| 0°-90° | 614.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 614.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2023 | 2023 | 2023 | 2023 | 2023 | |
| 5° | 1981 | 1980 | 1976 | 1974 | 1972 | 184 |
| 15° | 1260 | 1251 | 1220 | 1215 | 1205 | 333 |
| 25° | 130 | 143 | 185 | 193 | 193 | 84 |
| 35° | 8 | 11 | 13 | 14 | 12 | 7 |
| 45° | 0 | 0 | 0 | 0 | 0 | 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° | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 1° | 2021.9 | 2021.9 | 2020.8 | 2020.8 | 2018.7 |
| 2° | 2017.1 | 2017.6 | 2015.5 | 2015.0 | 2013.4 |
| 3° | 2009.7 | 2008.1 | 2008.1 | 2007.1 | 2006.0 |
| 4° | 1998.1 | 1994.9 | 1993.8 | 1994.4 | 1992.2 |
| 5° | 1980.6 | 1980.1 | 1976.4 | 1973.7 | 1972.1 |
| 6° | 1961.6 | 1957.9 | 1949.9 | 1943.1 | 1941.5 |
| 7° | 1933.0 | 1925.1 | 1918.2 | 1903.9 | 1901.8 |
| 8° | 1898.1 | 1885.4 | 1870.6 | 1850.5 | 1849.4 |
| 9° | 1855.3 | 1834.6 | 1814.0 | 1787.0 | 1777.5 |
| 10° | 1794.4 | 1775.4 | 1740.5 | 1716.7 | 1698.2 |
| 11° | 1718.8 | 1695.0 | 1654.3 | 1625.7 | 1610.4 |
| 12° | 1633.1 | 1610.9 | 1563.3 | 1537.4 | 1515.7 |
| 13° | 1523.1 | 1504.6 | 1460.2 | 1431.6 | 1414.7 |
| 14° | 1395.7 | 1381.9 | 1339.6 | 1326.9 | 1321.1 |
| 15° | 1260.3 | 1250.8 | 1220.1 | 1214.8 | 1205.3 |
| 17.5° | 927.6 | 911.8 | 894.3 | 897.5 | 900.7 |
| 20° | 568.5 | 590.7 | 588.1 | 599.7 | 608.7 |
| 22.5° | 283.5 | 312.0 | 345.4 | 365.4 | 375.5 |
| 25° | 130.1 | 143.3 | 185.1 | 193.0 | 193.0 |
| 27.5° | 65.6 | 68.8 | 87.3 | 88.8 | 93.1 |
| 30° | 36.5 | 39.1 | 41.8 | 46.5 | 47.1 |
| 32.5° | 18.5 | 21.7 | 22.7 | 25.4 | 24.3 |
| 35° | 7.9 | 10.6 | 12.7 | 13.8 | 11.6 |
| 37.5° | 3.7 | 4.8 | 6.9 | 6.3 | 4.8 |
| 40° | 1.6 | 2.1 | 3.2 | 2.6 | 2.1 |
| 42.5° | 1.1 | 1.1 | 1.6 | 1.1 | 1.1 |
| 45° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 47.5° | 0.5 | 0.5 | 0.0 | 0.5 | 0.5 |
| 50° | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 |
| 52.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)