

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: P1293146

Luminaire Tested: P3AS09R35W2N902765DE010 E3PH1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293146
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: P3AS09R35W2N902765DE010 E3PH1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

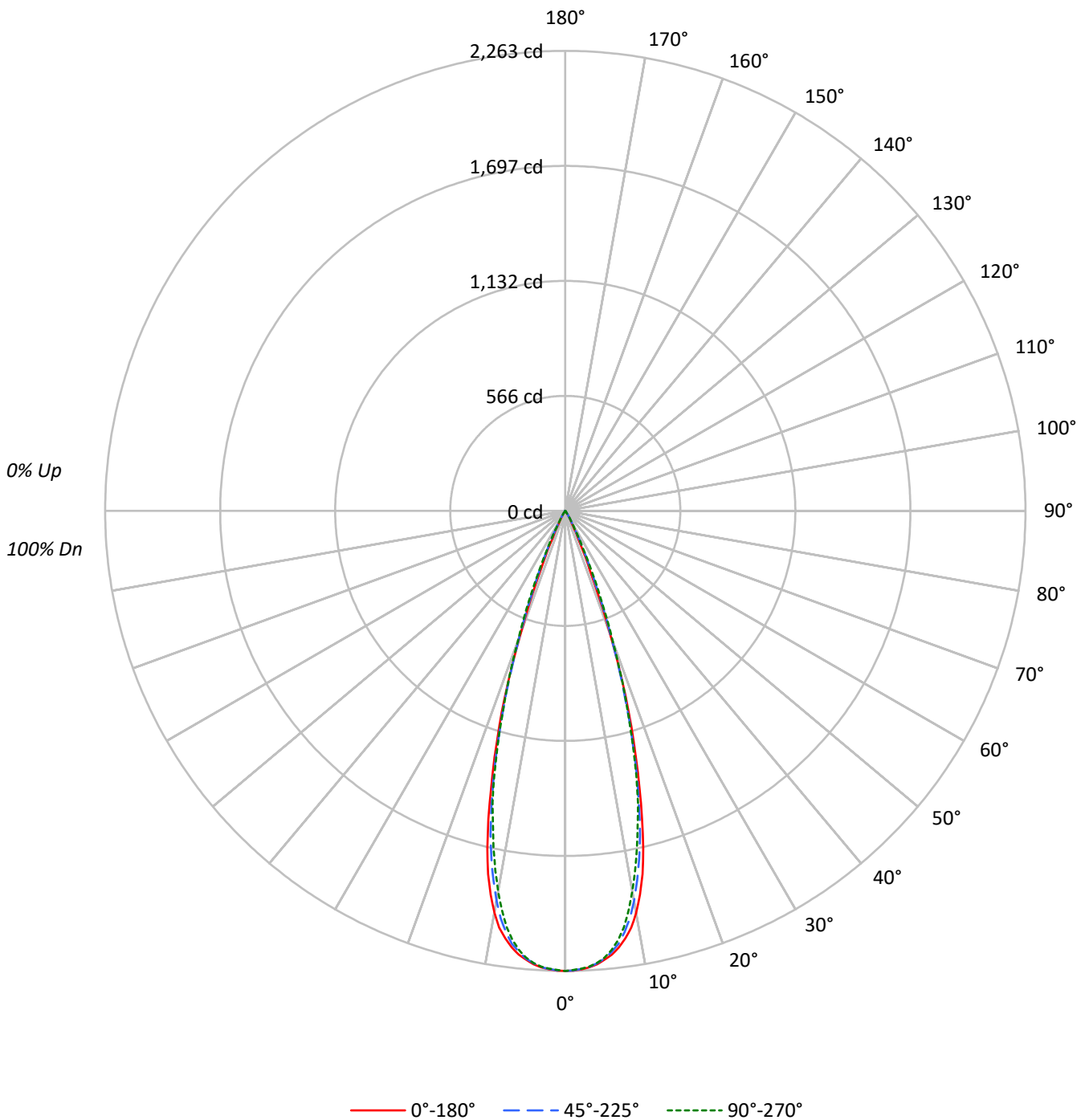
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 687.0 lumens
Efficiency: N/A
Efficacy: 76.3 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

TEST NUMBER: P1293146
CATALOG NUMBER: P3AS09R35W2N902765DE010 E3PH1MW_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1293146
 CATALOG NUMBER: P3AS09R35W2N902765DE010 E3PH1MW_3500K

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° | 496320 | 496320 | 496320 |
| 5° | 487804 | 486770 | 485713 |
| 10° | 447064 | 433615 | 423083 |
| 15° | 320115 | 309922 | 306154 |
| 20° | 148436 | 153547 | 158937 |
| 25° | 35228 | 50108 | 52261 |
| 30° | 10331 | 11825 | 13344 |
| 35° | 2382 | 3801 | 3480 |
| 40° | 515 | 1031 | 687 |
| 45° | 186 | 186 | 186 |
| 50° | 205 | 0 | 205 |
| 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: 216 cd/sqm



TEST NUMBER: P1293146

CATALOG NUMBER: P3AS09R35W2N902765DE010 E3PH1MW_3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 203.2 | 29.6 |
| 10°-20° | 363.3 | 52.9 |
| 20°-30° | 109.3 | 15.9 |
| 30°-40° | 10.5 | 1.5 |
| 40°-50° | 0.7 | 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° | 675.8 | 98.4 |
| 0°-40° | 686.2 | 99.9 |
| 0°-60° | 687.0 | 100.0 |
| 0°-90° | 687.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 687.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2263 | 2263 | 2263 | 2263 | 2263 | |
| 5° | 2216 | 2216 | 2211 | 2208 | 2207 | 205 |
| 15° | 1410 | 1400 | 1365 | 1359 | 1349 | 372 |
| 25° | 146 | 160 | 207 | 216 | 216 | 94 |
| 35° | 9 | 12 | 14 | 15 | 13 | 8 |
| 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 |



TEST NUMBER: P1293146

CATALOG NUMBER: P3AS09R35W2N902765DE010 E3PH1MW_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2263.4 | 2263.4 | 2263.4 | 2263.4 | 2263.4 |
| 1° | 2262.2 | 2262.2 | 2261.1 | 2261.1 | 2258.7 |
| 2° | 2256.9 | 2257.5 | 2255.1 | 2254.6 | 2252.8 |
| 3° | 2248.6 | 2246.9 | 2246.9 | 2245.7 | 2244.5 |
| 4° | 2235.6 | 2232.1 | 2230.9 | 2231.5 | 2229.1 |
| 5° | 2216.1 | 2215.5 | 2211.4 | 2208.4 | 2206.6 |
| 6° | 2194.8 | 2190.6 | 2181.8 | 2174.1 | 2172.3 |
| 7° | 2162.8 | 2154.0 | 2146.3 | 2130.3 | 2127.9 |
| 8° | 2123.8 | 2109.6 | 2093.0 | 2070.5 | 2069.3 |
| 9° | 2075.8 | 2052.8 | 2029.7 | 1999.5 | 1988.9 |
| 10° | 2007.8 | 1986.5 | 1947.4 | 1920.8 | 1900.1 |
| 11° | 1923.2 | 1896.5 | 1851.0 | 1819.0 | 1801.9 |
| 12° | 1827.3 | 1802.5 | 1749.2 | 1720.2 | 1695.9 |
| 13° | 1704.2 | 1683.5 | 1633.8 | 1601.9 | 1582.9 |
| 14° | 1561.6 | 1546.2 | 1498.9 | 1484.7 | 1478.2 |
| 15° | 1410.1 | 1399.5 | 1365.2 | 1359.2 | 1348.6 |
| 17.5° | 1037.9 | 1020.2 | 1000.6 | 1004.2 | 1007.7 |
| 20° | 636.1 | 661.0 | 658.0 | 671.0 | 681.1 |
| 22.5° | 317.2 | 349.1 | 386.4 | 408.9 | 420.1 |
| 25° | 145.6 | 160.4 | 207.1 | 216.0 | 216.0 |
| 27.5° | 73.4 | 76.9 | 97.6 | 99.4 | 104.1 |
| 30° | 40.8 | 43.8 | 46.7 | 52.1 | 52.7 |
| 32.5° | 20.7 | 24.3 | 25.4 | 28.4 | 27.2 |
| 35° | 8.9 | 11.8 | 14.2 | 15.4 | 13.0 |
| 37.5° | 4.1 | 5.3 | 7.7 | 7.1 | 5.3 |
| 40° | 1.8 | 2.4 | 3.6 | 3.0 | 2.4 |
| 42.5° | 1.2 | 1.2 | 1.8 | 1.2 | 1.2 |
| 45° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 47.5° | 0.6 | 0.6 | 0.0 | 0.6 | 0.6 |
| 50° | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 |
| 52.5° | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 |
| 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 |



TEST NUMBER: P1293146

CATALOG NUMBER: P3AS09R35W2N902765DE010 E3PH1MW_3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)