

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: P1293578

Luminaire Tested: P3A09R45W2N902750DE010 E3DLP1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R45W2N902750DE010 E3DLP1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,
E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

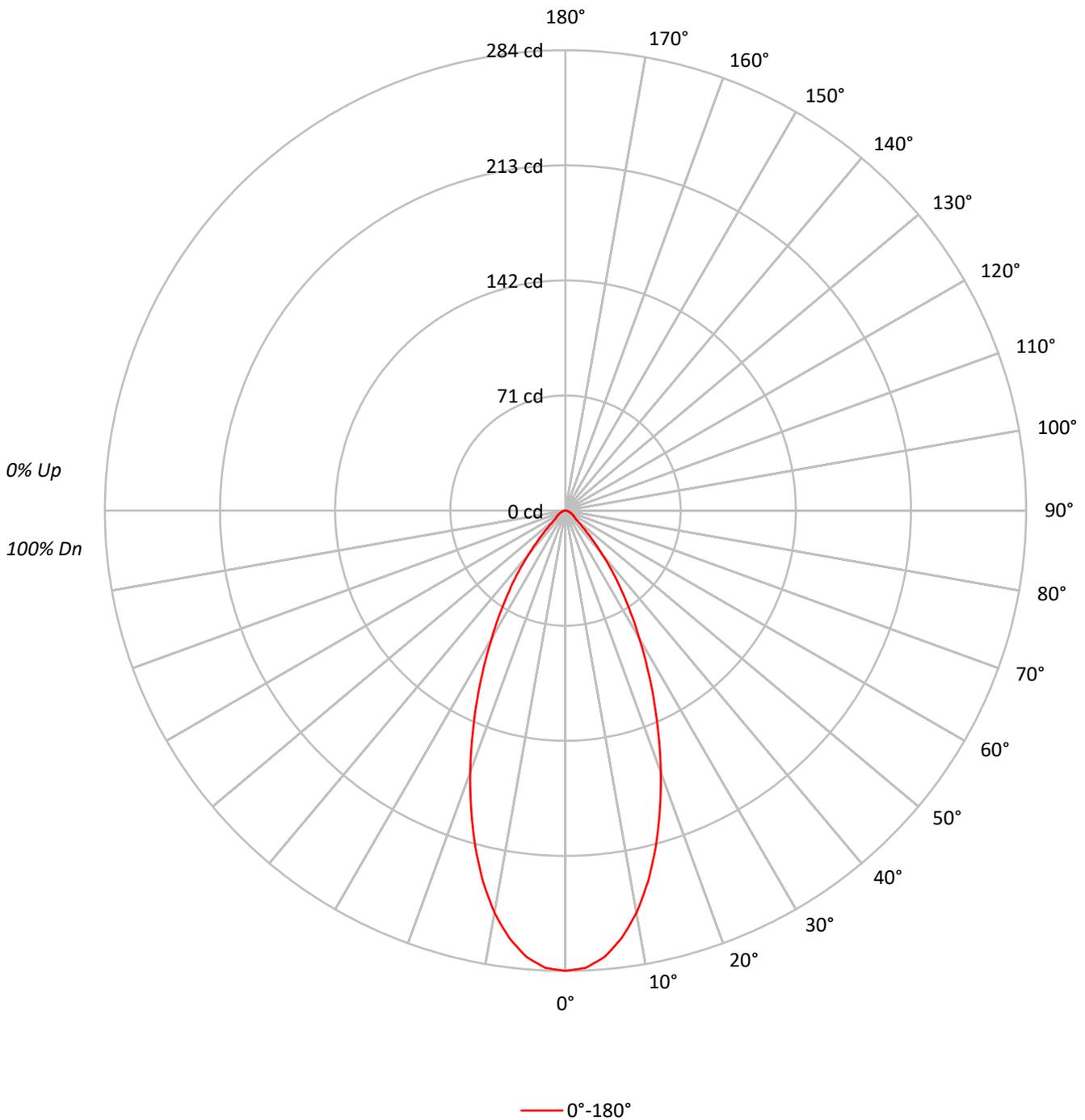
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 23.2 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
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: P1293578
CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLP1GPH_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1293578

CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLP1GPH_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 | 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 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 94 | 94 | 94 | 94 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 3 | 102 | 95 | 90 | 85 | 100 | 93 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 79 |
| 4 | 96 | 88 | 83 | 78 | 94 | 87 | 82 | 78 | 85 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 75 | 75 | 75 | 74 |
| 5 | 91 | 83 | 77 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 69 |
| 6 | 87 | 78 | 72 | 67 | 85 | 77 | 71 | 67 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 66 | 66 | 66 | 66 | 64 |
| 7 | 83 | 73 | 67 | 63 | 81 | 72 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 61 | 61 | 61 | 61 | 60 |
| 8 | 79 | 69 | 63 | 59 | 77 | 68 | 63 | 59 | 67 | 62 | 58 | 66 | 62 | 58 | 65 | 61 | 58 | 58 | 58 | 58 | 56 |
| 9 | 75 | 65 | 59 | 55 | 74 | 65 | 59 | 55 | 64 | 59 | 55 | 63 | 58 | 55 | 62 | 58 | 55 | 55 | 55 | 55 | 53 |
| 10 | 72 | 62 | 56 | 52 | 71 | 61 | 56 | 52 | 61 | 55 | 52 | 60 | 55 | 52 | 59 | 55 | 52 | 52 | 52 | 52 | 50 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 62254 |
| 5° | 60841 |
| 10° | 56111 |
| 15° | 48786 |
| 20° | 40090 |
| 25° | 31187 |
| 30° | 23042 |
| 35° | 16195 |
| 40° | 10105 |
| 45° | 5489 |
| 50° | 2968 |
| 55° | 2561 |
| 60° | 2281 |
| 65° | 1972 |
| 70° | 1667 |
| 75° | 1694 |
| 80° | 1515 |
| 85° | 1510 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5489 cd/sqm



TEST NUMBER: P1293578

CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLP1GPH_3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.6 | 12.2 |
| 10°-20° | 59.4 | 28.4 |
| 20°-30° | 59.0 | 28.2 |
| 30°-40° | 38.0 | 18.2 |
| 40°-50° | 14.6 | 7.0 |
| 50°-60° | 5.9 | 2.8 |
| 60°-70° | 3.8 | 1.8 |
| 70°-80° | 2.0 | 1.0 |
| 80°-90° | 0.7 | 0.3 |
| 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° | 144.0 | 68.9 |
| 0°-40° | 182.0 | 87.1 |
| 0°-60° | 202.6 | 96.9 |
| 0°-90° | 209.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 209.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 284 | |
| 5° | 276 | 26 |
| 15° | 215 | 59 |
| 25° | 129 | 59 |
| 35° | 60 | 38 |
| 45° | 18 | 15 |
| 55° | 7 | 6 |
| 65° | 4 | 4 |
| 75° | 2 | 2 |
| 85° | 1 | 1 |
| 90° | 0 | |



TEST NUMBER: P1293578
CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLP1GPH_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 283.9 |
| 2.5° | 282.4 |
| 5° | 276.4 |
| 7.5° | 265.9 |
| 10° | 252.0 |
| 12.5° | 234.6 |
| 15° | 214.9 |
| 17.5° | 193.5 |
| 20° | 171.8 |
| 22.5° | 149.8 |
| 25° | 128.9 |
| 27.5° | 109.2 |
| 30° | 91.0 |
| 32.5° | 75.0 |
| 35° | 60.5 |
| 37.5° | 47.5 |
| 40° | 35.3 |
| 42.5° | 25.5 |
| 45° | 17.7 |
| 47.5° | 11.9 |
| 50° | 8.7 |
| 52.5° | 7.2 |
| 55° | 6.7 |
| 57.5° | 5.8 |
| 60° | 5.2 |
| 62.5° | 4.3 |
| 65° | 3.8 |
| 67.5° | 3.2 |
| 70° | 2.6 |
| 72.5° | 2.3 |
| 75° | 2.0 |
| 77.5° | 1.4 |
| 80° | 1.2 |
| 82.5° | 0.9 |
| 85° | 0.6 |
| 87.5° | 0.3 |
| 90° | 0.0 |

(END OF REPORT)