

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: P1303125

Luminaire Tested: P3RT05R109027DE010 E3PHUS1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1303125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT05R109027DE010 E3PHUS1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2700K CCT AND, 90CRI , E3PHUS1MW TRIM
Light Source: -
Ballast/Driver: -

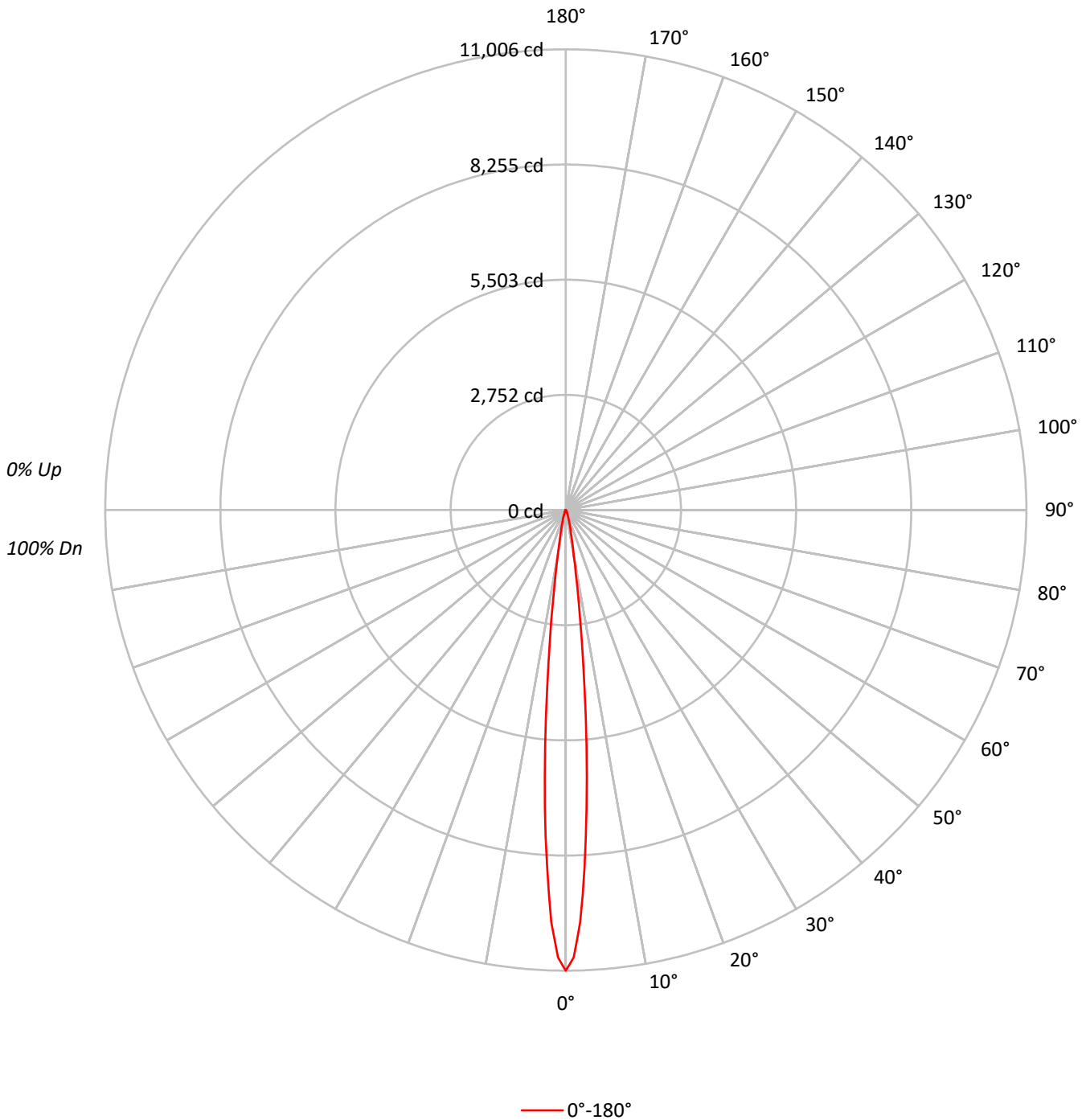
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 533.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.18 / 0.18 / 0.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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





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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 | 100 | 100 | 100 | 100 |
| 1 | 116 | 114 | 113 | 111 | 114 | 112 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 101 | 101 | 100 | 99 | 99 | 99 | 99 |
| 2 | 113 | 110 | 108 | 106 | 111 | 109 | 107 | 105 | 106 | 104 | 103 | 103 | 102 | 101 | 100 | 99 | 98 | 98 | 98 | 98 | 97 |
| 3 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 104 | 102 | 100 | 101 | 100 | 98 | 99 | 98 | 97 | 97 | 97 | 97 | 96 |
| 4 | 109 | 105 | 102 | 99 | 107 | 104 | 101 | 99 | 102 | 99 | 98 | 100 | 98 | 97 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 5 | 107 | 102 | 99 | 97 | 105 | 101 | 99 | 97 | 100 | 98 | 96 | 99 | 97 | 95 | 97 | 96 | 94 | 94 | 94 | 94 | 93 |
| 6 | 105 | 100 | 97 | 95 | 104 | 100 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 94 | 96 | 95 | 93 | 93 | 93 | 93 | 92 |
| 7 | 103 | 99 | 96 | 93 | 102 | 98 | 95 | 93 | 97 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 92 | 92 | 92 | 92 | 91 |
| 8 | 102 | 97 | 94 | 92 | 101 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 94 | 92 | 91 | 91 | 91 | 91 | 90 |
| 9 | 100 | 96 | 93 | 91 | 100 | 95 | 93 | 91 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 90 | 90 | 90 | 90 | 89 |
| 10 | 99 | 94 | 92 | 90 | 98 | 94 | 91 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 91 | 89 | 89 | 89 | 89 | 88 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 2413315 |
| 5° | 1246728 |
| 10° | 245019 |
| 15° | 77140 |
| 20° | 33696 |
| 25° | 14904 |
| 30° | 8027 |
| 35° | 4230 |
| 40° | 1517 |
| 45° | 558 |
| 50° | 0 |
| 55° | 0 |
| 60° | 0 |
| 65° | 0 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 47.5°
 Luminance: 584 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 381.0 | 71.5 |
| 10°-20° | 108.3 | 20.3 |
| 20°-30° | 31.6 | 5.9 |
| 30°-40° | 10.3 | 1.9 |
| 40°-50° | 1.8 | 0.3 |
| 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° | 520.9 | 97.7 |
| 0°-40° | 531.2 | 99.7 |
| 0°-60° | 533.0 | 100.0 |
| 0°-90° | 533.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 533.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-------|------|
| 0° | 11006 | |
| 5° | 5664 | 381 |
| 15° | 340 | 108 |
| 25° | 62 | 32 |
| 35° | 16 | 10 |
| 45° | 2 | 2 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|---------|
| 0° | 11005.6 |
| 1° | 10688.7 |
| 2° | 9859.5 |
| 3° | 8558.4 |
| 4° | 7135.8 |
| 5° | 5663.9 |
| 6° | 4271.3 |
| 7° | 3093.4 |
| 8° | 2176.1 |
| 9° | 1530.0 |
| 10° | 1100.4 |
| 11° | 815.2 |
| 12° | 626.8 |
| 13° | 503.5 |
| 14° | 410.2 |
| 15° | 339.8 |
| 17.5° | 225.4 |
| 20° | 144.4 |
| 22.5° | 91.6 |
| 25° | 61.6 |
| 27.5° | 44.0 |
| 30° | 31.7 |
| 32.5° | 22.9 |
| 35° | 15.8 |
| 37.5° | 10.6 |
| 40° | 5.3 |
| 42.5° | 3.5 |
| 45° | 1.8 |
| 47.5° | 1.8 |
| 50° | 0.0 |
| 52.5° | 0.0 |
| 55° | 0.0 |
| 57.5° | 0.0 |
| 60° | 0.0 |
| 62.5° | 0.0 |
| 65° | 0.0 |
| 67.5° | 0.0 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)