

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: P1304497

Luminaire Tested: P3RT05R129740DE010 E3PHUS1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT05R129740DE010 E3PHUS1MB
Description: 3in Adjustable LED luminaire with, R12 optic, 4000K CCT AND, 97CRI , E3PHUS1MB TRIM
Light Source: -
Ballast/Driver: -

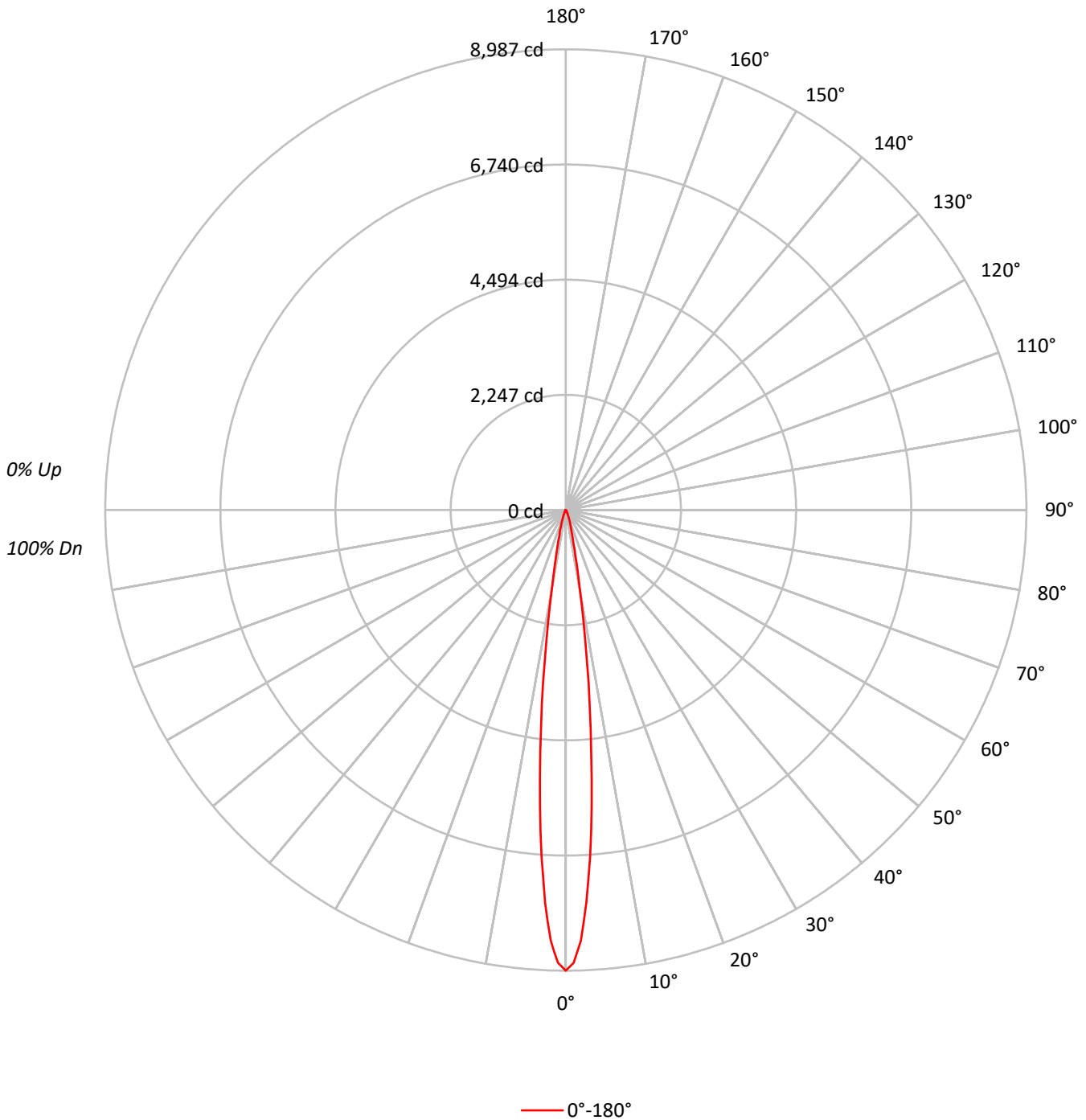
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 610.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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 | 109 | 108 | 107 | 106 | 104 | 104 | 103 | 101 | 101 | 100 | 98 | 98 | 98 | 98 |
| 2 | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 105 | 104 | 102 | 103 | 101 | 100 | 100 | 99 | 98 | 97 | 97 | 97 | 97 |
| 3 | 110 | 107 | 104 | 102 | 109 | 105 | 103 | 101 | 103 | 101 | 99 | 101 | 99 | 98 | 99 | 98 | 96 | 95 | 95 | 95 | 95 |
| 4 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 98 | 101 | 99 | 97 | 99 | 97 | 96 | 98 | 96 | 95 | 94 | 94 | 94 | 94 |
| 5 | 106 | 102 | 98 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 93 | 92 | 92 | 92 | 92 |
| 6 | 104 | 99 | 96 | 94 | 103 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 93 | 95 | 93 | 92 | 91 | 91 | 91 | 91 |
| 7 | 102 | 98 | 94 | 92 | 101 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 94 | 92 | 91 | 90 | 90 | 90 | 90 |
| 8 | 101 | 96 | 93 | 91 | 100 | 95 | 93 | 90 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | 89 | 89 | 89 |
| 9 | 99 | 94 | 91 | 89 | 98 | 94 | 91 | 89 | 93 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 88 | 88 | 88 | 88 |
| 10 | 98 | 93 | 90 | 88 | 97 | 93 | 90 | 88 | 92 | 90 | 88 | 91 | 89 | 88 | 91 | 89 | 87 | 87 | 87 | 87 | 87 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1970610 |
| 5° | 1273274 |
| 10° | 359245 |
| 15° | 101567 |
| 20° | 42470 |
| 25° | 18799 |
| 30° | 9596 |
| 35° | 5086 |
| 40° | 2176 |
| 45° | 589 |
| 50° | 648 |
| 55° | 0 |
| 60° | 0 |
| 65° | 0 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 50°
 Luminance: 648 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 407.6 | 66.8 |
| 10°-20° | 147.9 | 24.2 |
| 20°-30° | 39.6 | 6.5 |
| 30°-40° | 12.5 | 2.0 |
| 40°-50° | 2.3 | 0.4 |
| 50°-60° | 0.2 | 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° | 595.0 | 97.5 |
| 0°-40° | 607.5 | 99.6 |
| 0°-60° | 610.0 | 100.0 |
| 0°-90° | 610.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 610.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 8987 | |
| 5° | 5784 | 408 |
| 15° | 447 | 148 |
| 25° | 78 | 40 |
| 35° | 19 | 12 |
| 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° | 8986.7 |
| 1° | 8835.1 |
| 2° | 8408.5 |
| 3° | 7678.6 |
| 4° | 6772.3 |
| 5° | 5784.5 |
| 6° | 4755.0 |
| 7° | 3833.6 |
| 8° | 2950.1 |
| 9° | 2195.5 |
| 10° | 1613.4 |
| 11° | 1188.8 |
| 12° | 894.9 |
| 13° | 693.9 |
| 14° | 549.8 |
| 15° | 447.4 |
| 17.5° | 284.4 |
| 20° | 182.0 |
| 22.5° | 117.5 |
| 25° | 77.7 |
| 27.5° | 53.1 |
| 30° | 37.9 |
| 32.5° | 26.5 |
| 35° | 19.0 |
| 37.5° | 13.3 |
| 40° | 7.6 |
| 42.5° | 3.8 |
| 45° | 1.9 |
| 47.5° | 1.9 |
| 50° | 1.9 |
| 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)