

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: P1304574

Luminaire Tested: P3RT17R409740DE010 E3CBUS1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-90)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT17R409740DE010 E3CBUS1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

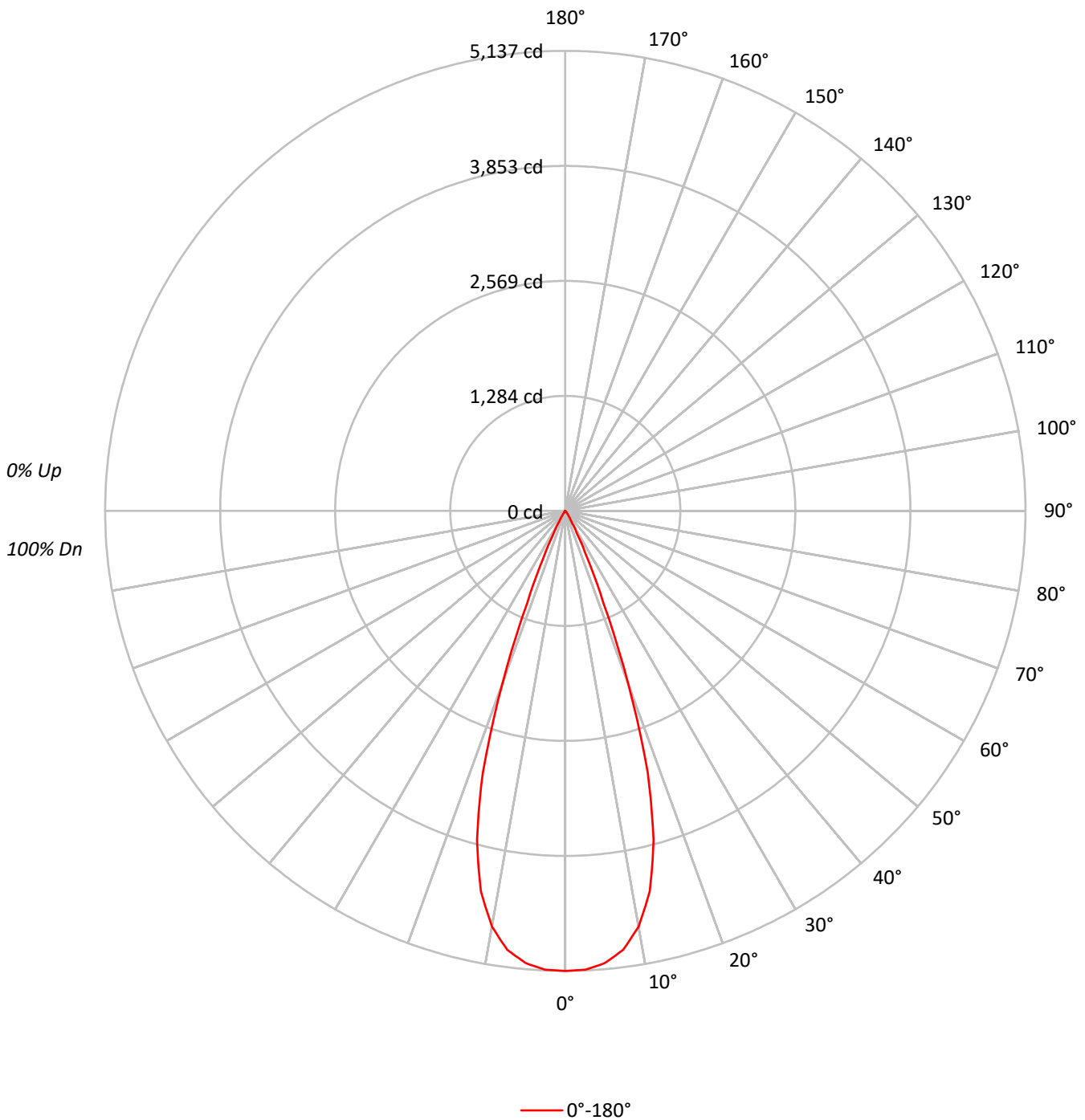
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1832.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1304574
CATALOG NUMBER: P3RT17R409740DE010 E3CBUS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1304574
 CATALOG NUMBER: P3RT17R409740DE010 E3CBUS1MW

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 | 99 | 98 | 96 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 93 |
| 2 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 100 | 98 | 100 | 98 | 96 | 97 | 96 | 94 | 94 | 93 | 91 | 90 |
| 3 | 107 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 99 | 96 | 94 | 97 | 94 | 92 | 94 | 93 | 91 | 94 | 93 | 91 | 90 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 94 | 91 | 95 | 92 | 90 | 94 | 91 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 5 | 101 | 95 | 90 | 87 | 99 | 94 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 84 |
| 6 | 98 | 91 | 87 | 84 | 96 | 90 | 86 | 84 | 89 | 86 | 83 | 88 | 85 | 83 | 87 | 84 | 82 | 87 | 84 | 82 | 81 |
| 7 | 95 | 88 | 84 | 81 | 94 | 87 | 83 | 80 | 86 | 83 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 8 | 92 | 85 | 81 | 78 | 91 | 85 | 80 | 78 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 |
| 9 | 89 | 82 | 78 | 75 | 88 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 80 | 77 | 74 | 80 | 77 | 74 | 73 |
| 10 | 87 | 80 | 76 | 73 | 86 | 79 | 75 | 73 | 79 | 75 | 73 | 78 | 75 | 72 | 77 | 74 | 72 | 77 | 74 | 72 | 71 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1126379 |
| 5° | 1115780 |
| 10° | 1049146 |
| 15° | 864432 |
| 20° | 478702 |
| 25° | 138806 |
| 30° | 34258 |
| 35° | 12314 |
| 40° | 3092 |
| 45° | 0 |
| 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: 45°
 Luminance: 0 cd/sqm



TEST NUMBER: P1304574

CATALOG NUMBER: P3RT17R409740DE010 E3CBUS1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 472.9 | 25.8 |
| 10°-20° | 996.7 | 54.4 |
| 20°-30° | 328.0 | 17.9 |
| 30°-40° | 33.0 | 1.8 |
| 40°-50° | 1.5 | 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° | 1797.5 | 98.1 |
| 0°-40° | 1830.5 | 99.9 |
| 0°-60° | 1832.0 | 100.0 |
| 0°-90° | 1832.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1832.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 5137 | |
| 5° | 5069 | 473 |
| 15° | 3808 | 997 |
| 25° | 574 | 328 |
| 35° | 46 | 33 |
| 45° | 0 | 1 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P1304574
CATALOG NUMBER: P3RT17R409740DE010 E3CBUS1MW

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 5136.7 |
| 2.5° | 5128.5 |
| 5° | 5069.0 |
| 7.5° | 4944.5 |
| 10° | 4711.8 |
| 12.5° | 4351.8 |
| 15° | 3807.8 |
| 17.5° | 3058.2 |
| 20° | 2051.4 |
| 22.5° | 1106.9 |
| 25° | 573.7 |
| 27.5° | 273.3 |
| 30° | 135.3 |
| 32.5° | 75.8 |
| 35° | 46.0 |
| 37.5° | 24.4 |
| 40° | 10.8 |
| 42.5° | 2.7 |
| 45° | 0.0 |
| 47.5° | 0.0 |
| 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 |
| 90° | 0.0 |

(END OF REPORT)