

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: P1304456

Luminaire Tested: P3RT02R129740DE010 E3BUS1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304456
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: P3RT02R129740DE010 E3BUS1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 4000K CCT AND, 97CRI , E3BUS1MW TRIM
Light Source: -
Ballast/Driver: -

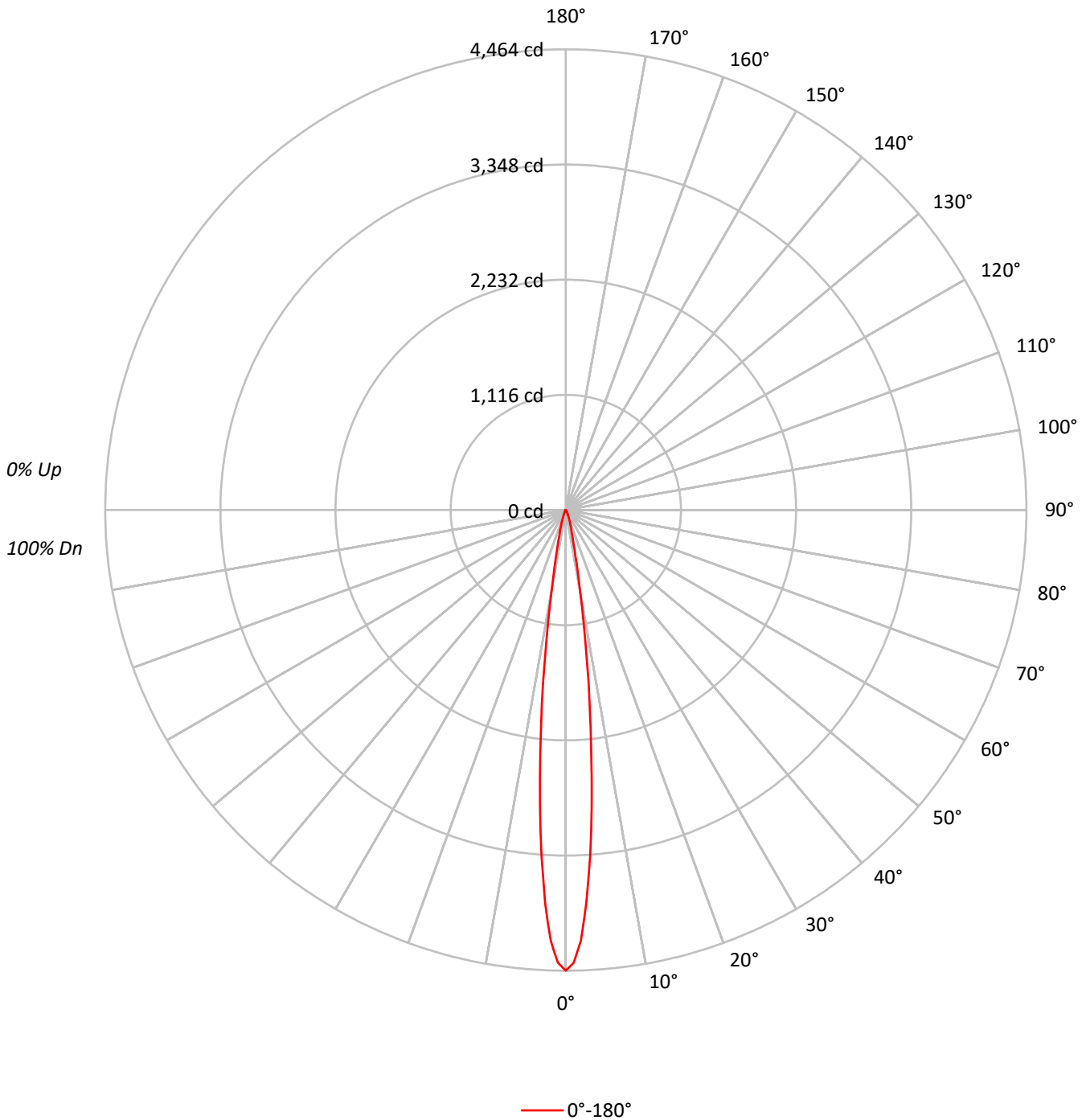
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 303.0 lumens
Efficiency: N/A
Efficacy: 81.9 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): 3.7
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: P1304456
CATALOG NUMBER: P3RT02R129740DE010 E3BUS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1304456
 CATALOG NUMBER: P3RT02R129740DE010 E3BUS1MW

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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 116 | 114 | 113 | 111 | 114 | 112 | 111 | 109 | 108 | 107 | 106 | 104 | 104 | 103 | 101 | 101 | 100 | 98 | 98 | 98 |
| 2 | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 105 | 104 | 102 | 103 | 101 | 100 | 100 | 99 | 98 | 97 | 97 | 97 |
| 3 | 110 | 107 | 104 | 102 | 109 | 105 | 103 | 101 | 103 | 101 | 99 | 101 | 99 | 98 | 99 | 98 | 96 | 95 | 95 | 95 |
| 4 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 98 | 101 | 99 | 97 | 99 | 97 | 96 | 98 | 96 | 95 | 94 | 94 | 94 |
| 5 | 106 | 102 | 98 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 93 | 92 | 92 | 92 |
| 6 | 104 | 99 | 96 | 94 | 103 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 93 | 95 | 93 | 92 | 91 | 91 | 91 |
| 7 | 102 | 98 | 94 | 92 | 101 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 94 | 92 | 91 | 90 | 90 | 90 |
| 8 | 101 | 96 | 93 | 91 | 100 | 95 | 93 | 90 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | 89 | 89 |
| 9 | 99 | 94 | 91 | 89 | 98 | 94 | 91 | 89 | 93 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 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 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 978847 |
| 5° | 632466 |
| 10° | 178442 |
| 15° | 50466 |
| 20° | 21095 |
| 25° | 9339 |
| 30° | 4760 |
| 35° | 2516 |
| 40° | 1088 |
| 45° | 279 |
| 50° | 307 |
| 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: 307 cd/sqm



TEST NUMBER: P1304456
 CATALOG NUMBER: P3RT02R129740DE010 E3BUS1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 202.4 | 66.8 |
| 10°-20° | 73.5 | 24.2 |
| 20°-30° | 19.7 | 6.5 |
| 30°-40° | 6.2 | 2.0 |
| 40°-50° | 1.1 | 0.4 |
| 50°-60° | 0.1 | 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° | 295.6 | 97.5 |
| 0°-40° | 301.7 | 99.6 |
| 0°-60° | 303.0 | 100.0 |
| 0°-90° | 303.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 303.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 4464 | |
| 5° | 2873 | 202 |
| 15° | 222 | 73 |
| 25° | 39 | 20 |
| 35° | 9 | 6 |
| 45° | 1 | 1 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P1304456
CATALOG NUMBER: P3RT02R129740DE010 E3BUS1MW

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 4463.9 |
| 1° | 4388.6 |
| 2° | 4176.7 |
| 3° | 3814.1 |
| 4° | 3363.9 |
| 5° | 2873.3 |
| 6° | 2361.9 |
| 7° | 1904.2 |
| 8° | 1465.4 |
| 9° | 1090.6 |
| 10° | 801.4 |
| 11° | 590.5 |
| 12° | 444.5 |
| 13° | 344.7 |
| 14° | 273.1 |
| 15° | 222.3 |
| 17.5° | 141.3 |
| 20° | 90.4 |
| 22.5° | 58.4 |
| 25° | 38.6 |
| 27.5° | 26.4 |
| 30° | 18.8 |
| 32.5° | 13.2 |
| 35° | 9.4 |
| 37.5° | 6.6 |
| 40° | 3.8 |
| 42.5° | 1.9 |
| 45° | 0.9 |
| 47.5° | 0.9 |
| 50° | 0.9 |
| 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 |



TEST NUMBER: P1304456
CATALOG NUMBER: P3RT02R129740DE010 E3BUS1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)