

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: P1271961

Luminaire Tested: P3AS13R309827DE010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R309827DE010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

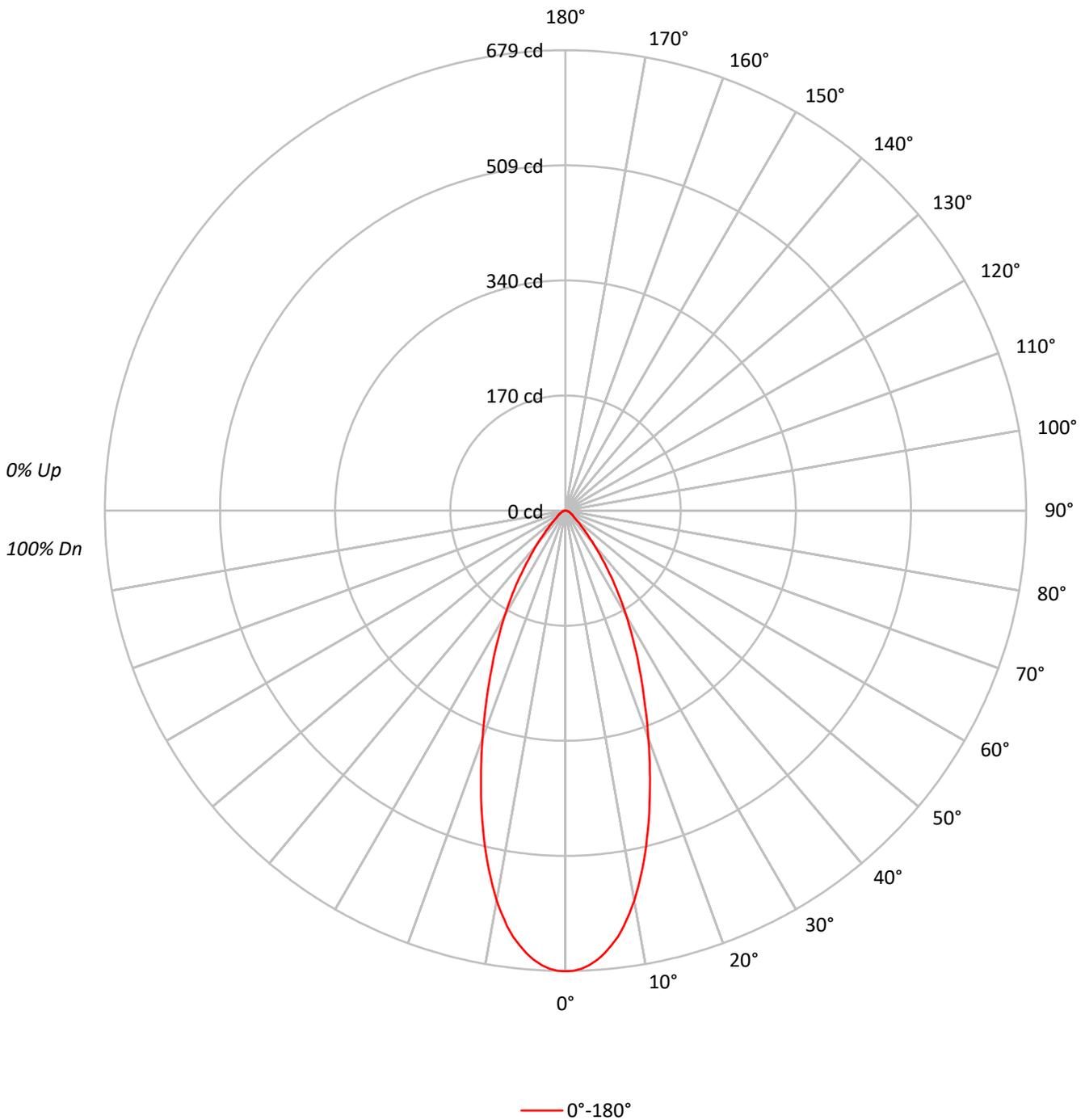
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 436.0 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1271961
CATALOG NUMBER: P3AS13R309827DE010 E3DLP1H

Luminous Intensity Polar Plot





TEST NUMBER: P1271961
 CATALOG NUMBER: P3AS13R309827DE010 E3DLP1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF | 20 | | | | 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 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 93 | | | | 93 |
| 2 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 97 | 94 | 92 | 94 | 92 | 90 | 92 | 90 | 88 | 86 | | | | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 84 | 82 | 80 | | | | 80 |
| 4 | 97 | 89 | 84 | 79 | 95 | 88 | 83 | 79 | 86 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | | | | 74 |
| 5 | 92 | 84 | 78 | 73 | 90 | 83 | 77 | 73 | 81 | 76 | 72 | 79 | 75 | 72 | 78 | 74 | 71 | 70 | | | | 70 |
| 6 | 88 | 79 | 73 | 68 | 86 | 78 | 72 | 68 | 76 | 71 | 68 | 75 | 71 | 67 | 74 | 70 | 67 | 65 | | | | 65 |
| 7 | 83 | 74 | 68 | 64 | 82 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 67 | 63 | 70 | 66 | 63 | 61 | | | | 61 |
| 8 | 80 | 70 | 64 | 60 | 78 | 70 | 64 | 60 | 69 | 63 | 60 | 67 | 63 | 60 | 67 | 62 | 59 | 58 | | | | 58 |
| 9 | 76 | 67 | 61 | 57 | 75 | 66 | 60 | 57 | 65 | 60 | 56 | 64 | 60 | 56 | 63 | 59 | 56 | 55 | | | | 55 |
| 10 | 73 | 63 | 58 | 54 | 72 | 63 | 57 | 54 | 62 | 57 | 53 | 61 | 57 | 53 | 60 | 56 | 53 | 52 | | | | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 148979 |
| 5° | 144354 |
| 10° | 130058 |
| 15° | 107583 |
| 20° | 83307 |
| 25° | 62496 |
| 30° | 45374 |
| 35° | 30222 |
| 40° | 18578 |
| 45° | 10916 |
| 50° | 6686 |
| 55° | 5429 |
| 60° | 4736 |
| 65° | 3840 |
| 70° | 3462 |
| 75° | 3474 |
| 80° | 2526 |
| 85° | 3522 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10916 cd/sqm



TEST NUMBER: P1271961
 CATALOG NUMBER: P3AS13R309827DE010 E3DLP1H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 60.3 | 13.8 |
| 10°-20° | 130.5 | 29.9 |
| 20°-30° | 118.7 | 27.2 |
| 30°-40° | 71.8 | 16.5 |
| 40°-50° | 28.8 | 6.6 |
| 50°-60° | 12.7 | 2.9 |
| 60°-70° | 7.7 | 1.8 |
| 70°-80° | 4.2 | 1.0 |
| 80°-90° | 1.2 | 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° | 309.6 | 71.0 |
| 0°-40° | 381.4 | 87.5 |
| 0°-60° | 422.9 | 97.0 |
| 0°-90° | 436.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 436.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 679 | |
| 5° | 656 | 60 |
| 15° | 474 | 131 |
| 25° | 258 | 119 |
| 35° | 113 | 72 |
| 45° | 35 | 29 |
| 55° | 14 | 13 |
| 65° | 7 | 8 |
| 75° | 4 | 4 |
| 85° | 1 | 1 |
| 90° | 0 | |



TEST NUMBER: P1271961
CATALOG NUMBER: P3AS13R309827DE010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 679.4 |
| 1° | 678.8 |
| 2° | 676.1 |
| 3° | 671.3 |
| 4° | 664.6 |
| 5° | 655.8 |
| 6° | 645.0 |
| 7° | 633.5 |
| 8° | 618.6 |
| 9° | 601.7 |
| 10° | 584.1 |
| 11° | 563.8 |
| 12° | 542.2 |
| 13° | 520.6 |
| 14° | 496.9 |
| 15° | 473.9 |
| 17.5° | 413.8 |
| 20° | 357.0 |
| 22.5° | 304.2 |
| 25° | 258.3 |
| 27.5° | 216.3 |
| 30° | 179.2 |
| 32.5° | 144.7 |
| 35° | 112.9 |
| 37.5° | 86.5 |
| 40° | 64.9 |
| 42.5° | 47.3 |
| 45° | 35.2 |
| 47.5° | 26.4 |
| 50° | 19.6 |
| 52.5° | 15.5 |
| 55° | 14.2 |
| 57.5° | 12.2 |
| 60° | 10.8 |
| 62.5° | 8.8 |
| 65° | 7.4 |
| 67.5° | 6.8 |
| 70° | 5.4 |
| 72.5° | 4.7 |
| 75° | 4.1 |
| 77.5° | 3.4 |
| 80° | 2.0 |
| 82.5° | 1.4 |
| 85° | 1.4 |
| 87.5° | 0.7 |



TEST NUMBER: P1271961
CATALOG NUMBER: P3AS13R309827DE010 E3DLP1H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)