

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: P1309438

Luminaire Tested: P3SQAS20R309035D010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R309035D010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

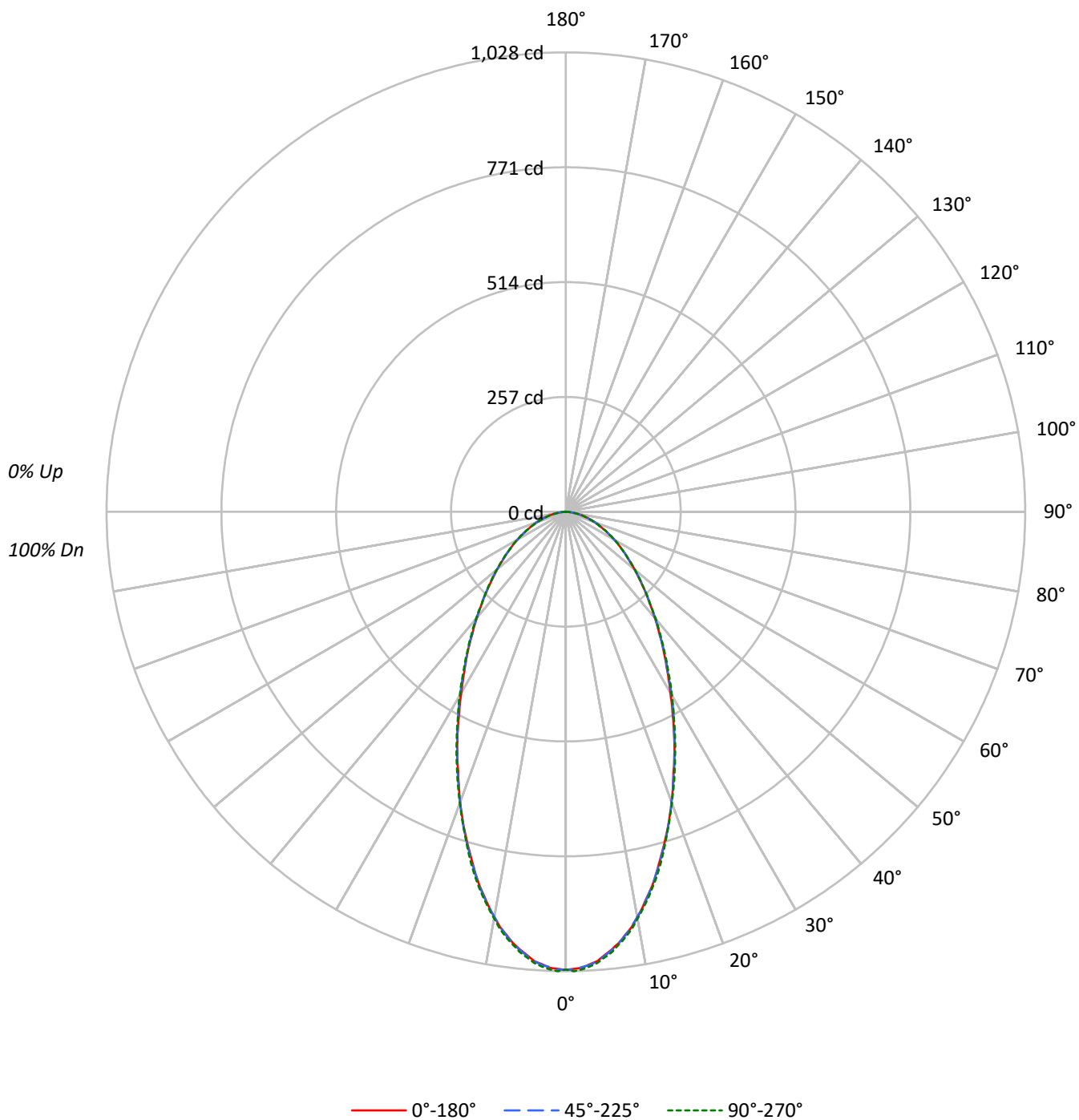
Lumens per Lamp: N/A  
Luminaire Lumens: 1316.0 lumens  
Efficiency: N/A  
Efficacy: 45.7 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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: P1309438

CATALOG NUMBER: P3SQAS20R309035D010 E3SQPHLD1MW

### 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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  |  | 87  | 84  | 81  |  | 85  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 73  | 82  | 77  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 89  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 67  | 63  |  | 71  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |  | 62  | 56  | 51  |  | 60  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  |  | 57  | 51  | 47  |  | 56  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 176511 | 176511 | 176511 |
| 5°  | 172154 | 172466 | 173088 |
| 10° | 161081 | 161081 | 161729 |
| 15° | 144439 | 144760 | 145741 |
| 20° | 126772 | 126772 | 127120 |
| 25° | 109303 | 109303 | 110006 |
| 30° | 93029  | 94123  | 94481  |
| 35° | 80377  | 80755  | 81134  |
| 40° | 69582  | 69987  | 70391  |
| 45° | 60744  | 61182  | 61182  |
| 50° | 53640  | 53640  | 54149  |
| 55° | 48102  | 48102  | 48102  |
| 60° | 43262  | 43262  | 43262  |
| 65° | 38592  | 38592  | 38592  |
| 70° | 34845  | 34845  | 34845  |
| 75° | 31474  | 30276  | 30276  |
| 80° | 27076  | 25291  | 25291  |
| 85° | 17982  | 17982  | 17982  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 61182 cd/sqm

TEST NUMBER: P1309438

CATALOG NUMBER: P3SQAS20R309035D010 E3SQPHLD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.8   | 7.1       |
| 10°-20°   | 226.3  | 17.2      |
| 20°-30°   | 264.3  | 20.1      |
| 30°-40°   | 240.5  | 18.3      |
| 40°-50°   | 194.2  | 14.8      |
| 50°-60°   | 143.5  | 10.9      |
| 60°-70°   | 94.5   | 7.2       |
| 70°-80°   | 48.8   | 3.7       |
| 80°-90°   | 11.1   | 0.8       |
| 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°    | 583.4  | 44.3      |
| 0°-40°    | 823.9  | 62.6      |
| 0°-60°    | 1161.6 | 88.3      |
| 0°-90°    | 1316.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1316.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1025 | 1025  | 1025 | 1025  | 1025 |      |
| 5°  | 996  | 996   | 998  | 998   | 1001 | 93   |
| 15° | 810  | 812   | 812  | 812   | 817  | 226  |
| 25° | 575  | 573   | 575  | 575   | 579  | 264  |
| 35° | 382  | 380   | 384  | 384   | 386  | 240  |
| 45° | 249  | 251   | 251  | 251   | 251  | 194  |
| 55° | 160  | 158   | 160  | 158   | 160  | 144  |
| 65° | 95   | 95    | 95   | 95    | 95   | 95   |
| 75° | 47   | 46    | 46   | 46    | 46   | 50   |
| 85° | 9    | 9     | 9    | 9     | 9    | 11   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1309438

CATALOG NUMBER: P3SQAS20R309035D010 E3SQPHLD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1024.9 | 1024.9 | 1024.9 | 1024.9 | 1024.9 |
| 1°    | 1023.1 | 1023.1 | 1024.9 | 1023.1 | 1028.5 |
| 2°    | 1021.2 | 1019.4 | 1019.4 | 1019.4 | 1024.9 |
| 3°    | 1014.0 | 1014.0 | 1015.8 | 1014.0 | 1019.4 |
| 4°    | 1008.5 | 1006.7 | 1008.5 | 1006.7 | 1012.1 |
| 5°    | 995.8  | 995.8  | 997.6  | 997.6  | 1001.2 |
| 6°    | 984.8  | 984.8  | 986.6  | 984.8  | 990.3  |
| 7°    | 972.1  | 972.1  | 972.1  | 972.1  | 975.7  |
| 8°    | 955.7  | 955.7  | 957.5  | 957.5  | 961.2  |
| 9°    | 941.1  | 939.3  | 939.3  | 939.3  | 944.8  |
| 10°   | 921.1  | 921.1  | 921.1  | 921.1  | 924.8  |
| 11°   | 901.1  | 901.1  | 901.1  | 901.1  | 904.7  |
| 12°   | 879.2  | 879.2  | 881.1  | 879.2  | 884.7  |
| 13°   | 859.2  | 859.2  | 859.2  | 859.2  | 862.9  |
| 14°   | 835.6  | 833.7  | 835.6  | 835.6  | 841.0  |
| 15°   | 810.1  | 811.9  | 811.9  | 811.9  | 817.4  |
| 17.5° | 751.8  | 751.8  | 753.6  | 750.0  | 753.6  |
| 20°   | 691.7  | 689.9  | 691.7  | 691.7  | 693.6  |
| 22.5° | 629.9  | 631.7  | 631.7  | 631.7  | 635.3  |
| 25°   | 575.2  | 573.4  | 575.2  | 575.2  | 578.9  |
| 27.5° | 518.8  | 520.6  | 522.5  | 520.6  | 524.3  |
| 30°   | 467.8  | 471.5  | 473.3  | 469.7  | 475.1  |
| 32.5° | 422.3  | 422.3  | 424.2  | 426.0  | 427.8  |
| 35°   | 382.3  | 380.5  | 384.1  | 384.1  | 385.9  |
| 37.5° | 344.1  | 344.1  | 344.1  | 345.9  | 347.7  |
| 40°   | 309.5  | 309.5  | 311.3  | 311.3  | 313.1  |
| 42.5° | 278.5  | 276.7  | 278.5  | 278.5  | 278.5  |
| 45°   | 249.4  | 251.2  | 251.2  | 251.2  | 251.2  |
| 47.5° | 223.9  | 223.9  | 225.7  | 223.9  | 225.7  |
| 50°   | 200.2  | 200.2  | 200.2  | 200.2  | 202.1  |
| 52.5° | 178.4  | 178.4  | 178.4  | 178.4  | 180.2  |
| 55°   | 160.2  | 158.4  | 160.2  | 158.4  | 160.2  |
| 57.5° | 142.0  | 142.0  | 142.0  | 142.0  | 142.0  |
| 60°   | 125.6  | 123.8  | 125.6  | 123.8  | 125.6  |
| 62.5° | 109.2  | 109.2  | 109.2  | 109.2  | 109.2  |
| 65°   | 94.7   | 94.7   | 94.7   | 94.7   | 94.7   |
| 67.5° | 81.9   | 81.9   | 81.9   | 80.1   | 80.1   |
| 70°   | 69.2   | 69.2   | 69.2   | 69.2   | 69.2   |
| 72.5° | 58.3   | 56.4   | 56.4   | 56.4   | 56.4   |
| 75°   | 47.3   | 45.5   | 45.5   | 45.5   | 45.5   |
| 77.5° | 36.4   | 36.4   | 34.6   | 34.6   | 36.4   |
| 80°   | 27.3   | 25.5   | 25.5   | 25.5   | 25.5   |
| 82.5° | 16.4   | 16.4   | 16.4   | 16.4   | 16.4   |
| 85°   | 9.1    | 9.1    | 9.1    | 9.1    | 9.1    |
| 87.5° | 1.8    | 1.8    | 1.8    | 3.6    | 3.6    |



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CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)