

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: P1314029

Luminaire Tested: P3SQAS05R209735DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314029  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R209735DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

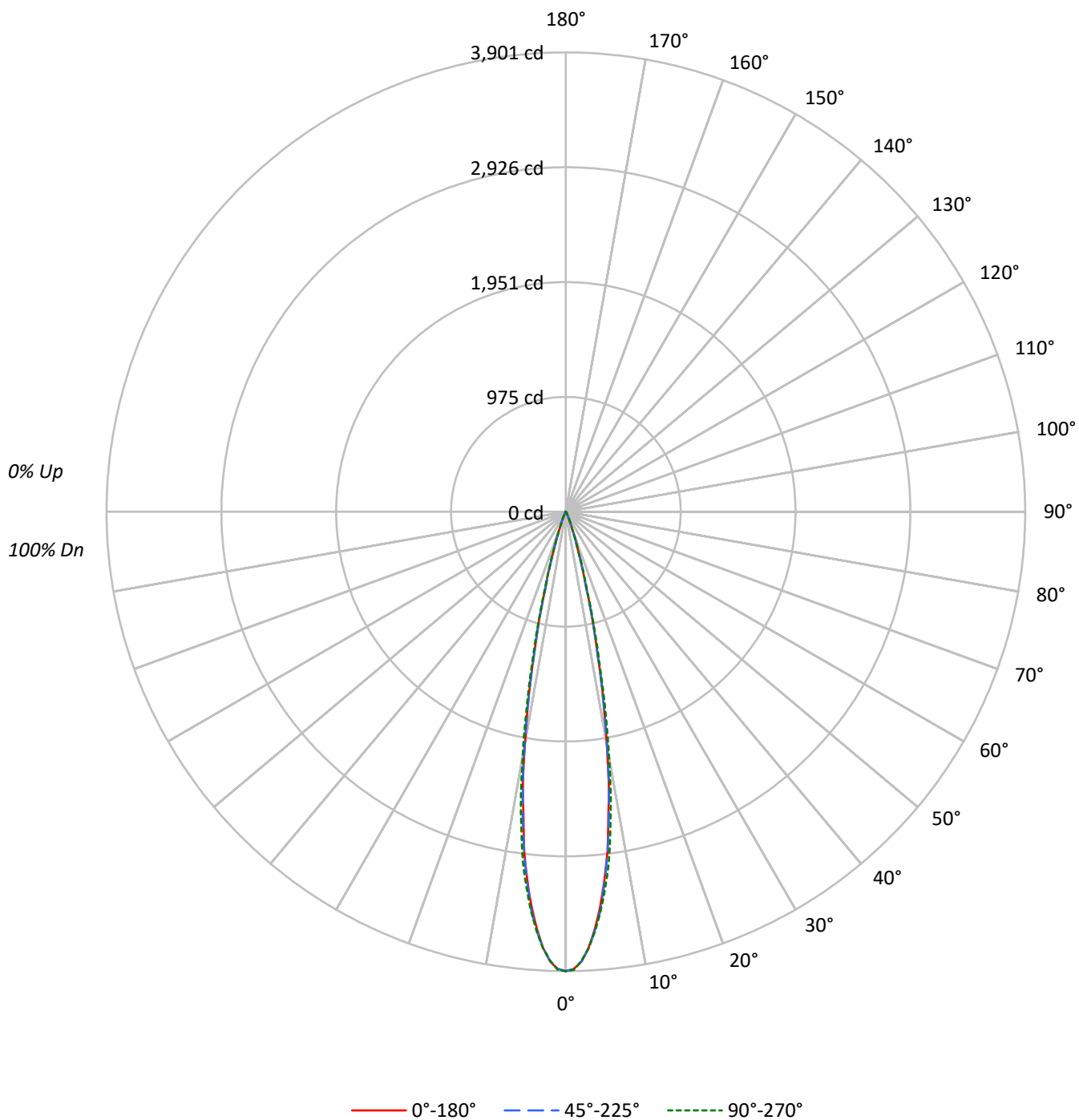
Lumens per Lamp: N/A  
Luminaire Lumens: 524.0 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

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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  |
| 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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 102 |  | 101 |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 89  |  | 92  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 91  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  |  | 90  | 87  | 86  |  | 89  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 671892 | 671892 | 671892 |
| 5°  | 580446 | 585840 | 588036 |
| 10° | 349427 | 352679 | 370237 |
| 15° | 120850 | 118033 | 127430 |
| 20° | 31743  | 29856  | 29947  |
| 25° | 6917   | 8342   | 9501   |
| 30° | 2963   | 2963   | 3063   |
| 35° | 1661   | 1472   | 1577   |
| 40° | 742    | 832    | 944    |
| 45° | 219    | 341    | 341    |
| 50° | 134    | 134    | 134    |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 341 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 279.0  | 53.3      |
| 10°-20°   | 212.4  | 40.5      |
| 20°-30°   | 26.3   | 5.0       |
| 30°-40°   | 5.0    | 0.9       |
| 40°-50°   | 1.2    | 0.2       |
| 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°    | 517.8  | 98.8      |
| 0°-40°    | 522.7  | 99.8      |
| 0°-60°    | 524.0  | 100.0     |
| 0°-90°    | 524.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 524.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3901 | 3901  | 3901 | 3901  | 3901 |      |
| 5°  | 3358 | 3355  | 3389 | 3386  | 3401 | 277  |
| 15° | 678  | 654   | 662  | 702   | 715  | 212  |
| 25° | 36   | 42    | 44   | 46    | 50   | 25   |
| 35° | 8    | 8     | 7    | 8     | 8    | 5    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3901.3 | 3901.3 | 3901.3 | 3901.3 | 3901.3 |
| 1°    | 3883.1 | 3878.5 | 3882.2 | 3874.3 | 3890.6 |
| 2°    | 3821.0 | 3816.4 | 3816.4 | 3811.7 | 3814.0 |
| 3°    | 3705.3 | 3712.7 | 3708.1 | 3698.3 | 3710.9 |
| 4°    | 3547.5 | 3555.9 | 3563.3 | 3563.8 | 3565.7 |
| 5°    | 3357.5 | 3355.1 | 3388.7 | 3386.4 | 3401.4 |
| 6°    | 3140.9 | 3138.1 | 3152.5 | 3176.8 | 3206.7 |
| 7°    | 2902.8 | 2868.7 | 2907.4 | 2956.5 | 2996.6 |
| 8°    | 2594.7 | 2603.5 | 2630.1 | 2688.0 | 2720.2 |
| 9°    | 2333.2 | 2281.4 | 2337.9 | 2407.0 | 2442.0 |
| 10°   | 1998.1 | 1956.0 | 2016.7 | 2089.5 | 2117.1 |
| 12.5° | 1257.7 | 1221.2 | 1240.8 | 1317.4 | 1329.5 |
| 15°   | 677.8  | 653.6  | 662.0  | 701.7  | 714.7  |
| 17.5° | 345.9  | 324.0  | 319.3  | 344.5  | 347.3  |
| 20°   | 173.2  | 168.1  | 162.9  | 165.3  | 163.4  |
| 22.5° | 80.3   | 87.3   | 86.4   | 81.7   | 87.3   |
| 25°   | 36.4   | 41.5   | 43.9   | 45.7   | 50.0   |
| 27.5° | 22.4   | 21.5   | 24.7   | 26.6   | 27.1   |
| 30°   | 14.9   | 14.5   | 14.9   | 15.4   | 15.4   |
| 32.5° | 10.7   | 10.3   | 9.8    | 9.8    | 10.3   |
| 35°   | 7.9    | 7.9    | 7.0    | 7.5    | 7.5    |
| 37.5° | 5.6    | 5.6    | 5.1    | 5.6    | 5.6    |
| 40°   | 3.3    | 3.7    | 3.7    | 3.7    | 4.2    |
| 42.5° | 1.9    | 2.3    | 2.3    | 2.3    | 2.3    |
| 45°   | 0.9    | 1.4    | 1.4    | 1.4    | 1.4    |
| 47.5° | 0.5    | 0.5    | 0.5    | 0.9    | 0.9    |
| 50°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 52.5° | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)