

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: P1289184

Luminaire Tested: P3A05R35W2N902750DE010 E3PH1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1289184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R35W2N902750DE010 E3PH1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
E3PH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

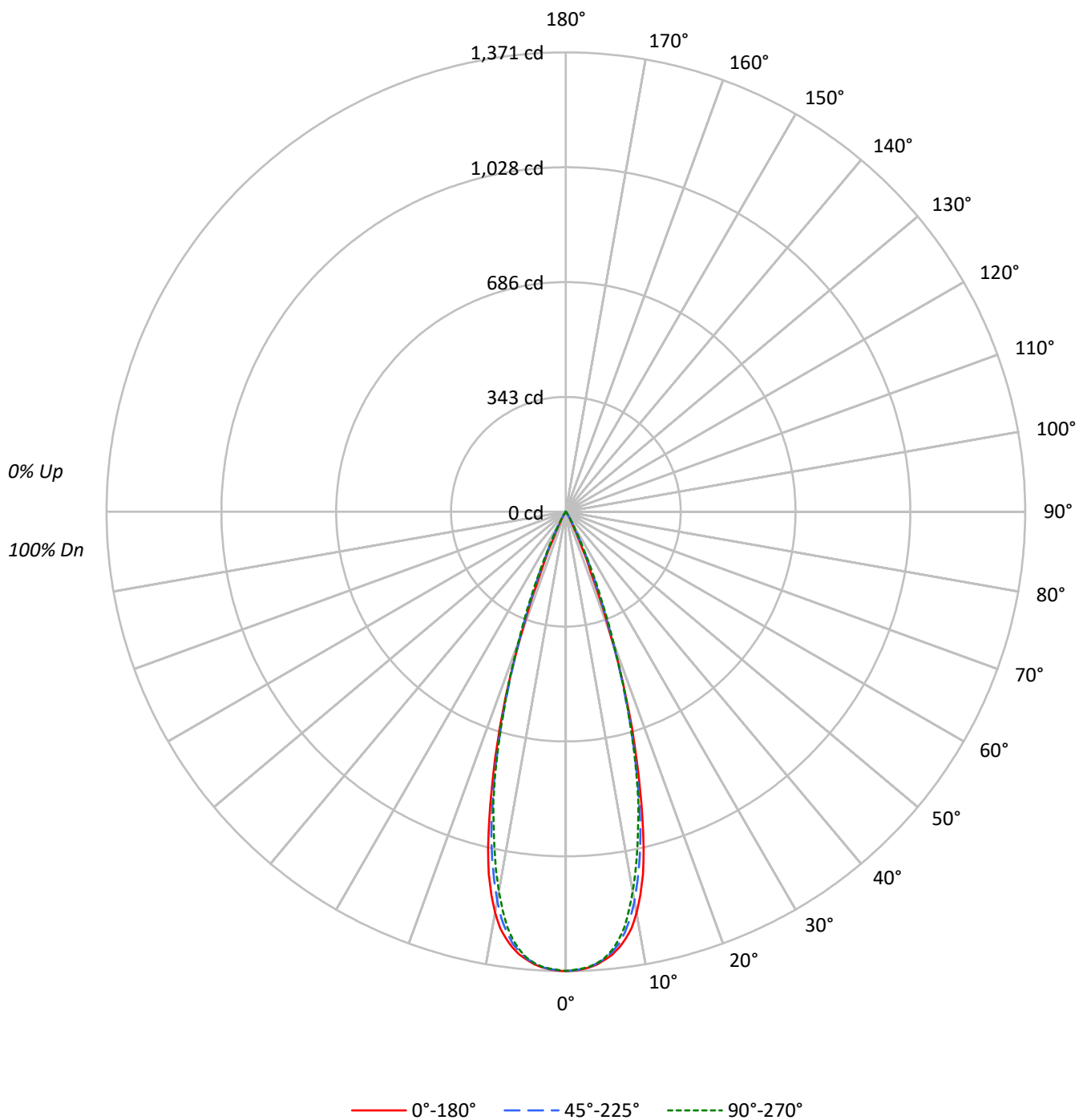
Lumens per Lamp: N/A  
Luminaire Lumens: 416.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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  | 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 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 100 | 98  | 97  | 97  | 96  | 95  | 93  | 92 | 91 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  | 97  | 95  | 93  | 95  | 93  | 92  | 90  | 89 | 87 |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 90  | 89  | 87  | 85 | 82 |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 83 | 81 |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 80 | 77 |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 79  | 78 | 76 |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  | 84  | 81  | 79  | 83  | 80  | 78  | 77  | 75 | 73 |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  | 82  | 79  | 76  | 81  | 78  | 76  | 75  | 73 | 71 |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 73  | 71 | 69 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 300546 | 300546 | 300546 |
| 5°  | 295377 | 294738 | 294122 |
| 10° | 270714 | 262565 | 256197 |
| 15° | 193849 | 187651 | 185381 |
| 20° | 89888  | 92991  | 96235  |
| 25° | 21316  | 30340  | 31647  |
| 30° | 6254   | 7166   | 8077   |
| 35° | 1446   | 2302   | 2115   |
| 40° | 315    | 601    | 401    |
| 45° | 124    | 124    | 124    |
| 50° | 136    | 0      | 136    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 144 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.0  | 29.6      |
| 10°-20°   | 220.0  | 52.9      |
| 20°-30°   | 66.2   | 15.9      |
| 30°-40°   | 6.3    | 1.5       |
| 40°-50°   | 0.4    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 409.2  | 98.4      |
| 0°-40°    | 415.5  | 99.9      |
| 0°-60°    | 416.0  | 100.0     |
| 0°-90°    | 416.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 416.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1371 | 1371  | 1371 | 1371  | 1371 |      |
| 5°  | 1342 | 1342  | 1339 | 1337  | 1336 | 124  |
| 15° | 854  | 847   | 827  | 823   | 817  | 226  |
| 25° | 88   | 97    | 125  | 131   | 131  | 57   |
| 35° | 5    | 7     | 9    | 9     | 8    | 5    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1370.6 | 1370.6 | 1370.6 | 1370.6 | 1370.6 |
| 1°    | 1369.9 | 1369.9 | 1369.1 | 1369.1 | 1367.7 |
| 2°    | 1366.6 | 1367.0 | 1365.6 | 1365.2 | 1364.1 |
| 3°    | 1361.6 | 1360.5 | 1360.5 | 1359.8 | 1359.1 |
| 4°    | 1353.7 | 1351.6 | 1350.9 | 1351.2 | 1349.8 |
| 5°    | 1341.9 | 1341.6 | 1339.0 | 1337.3 | 1336.2 |
| 6°    | 1329.0 | 1326.5 | 1321.1 | 1316.5 | 1315.4 |
| 7°    | 1309.7 | 1304.3 | 1299.6 | 1290.0 | 1288.5 |
| 8°    | 1286.0 | 1277.4 | 1267.4 | 1253.8 | 1253.0 |
| 9°    | 1257.0 | 1243.0 | 1229.0 | 1210.8 | 1204.3 |
| 10°   | 1215.8 | 1202.9 | 1179.2 | 1163.1 | 1150.6 |
| 11°   | 1164.5 | 1148.4 | 1120.8 | 1101.5 | 1091.1 |
| 12°   | 1106.5 | 1091.4 | 1059.2 | 1041.6 | 1026.9 |
| 13°   | 1032.0 | 1019.4 | 989.3  | 970.0  | 958.5  |
| 14°   | 945.6  | 936.3  | 907.6  | 899.0  | 895.1  |
| 15°   | 853.9  | 847.4  | 826.6  | 823.1  | 816.6  |
| 17.5° | 628.5  | 617.7  | 605.9  | 608.1  | 610.2  |
| 20°   | 385.2  | 400.2  | 398.5  | 406.3  | 412.4  |
| 22.5° | 192.1  | 211.4  | 234.0  | 247.6  | 254.4  |
| 25°   | 88.1   | 97.1   | 125.4  | 130.8  | 130.8  |
| 27.5° | 44.4   | 46.6   | 59.1   | 60.2   | 63.1   |
| 30°   | 24.7   | 26.5   | 28.3   | 31.5   | 31.9   |
| 32.5° | 12.5   | 14.7   | 15.4   | 17.2   | 16.5   |
| 35°   | 5.4    | 7.2    | 8.6    | 9.3    | 7.9    |
| 37.5° | 2.5    | 3.2    | 4.7    | 4.3    | 3.2    |
| 40°   | 1.1    | 1.4    | 2.1    | 1.8    | 1.4    |
| 42.5° | 0.7    | 0.7    | 1.1    | 0.7    | 0.7    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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    |



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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)