

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: PORTFOLIO

Report Number: P1316184

Luminaire Tested: LDSQA3D02R709740DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709740DE010 3LSQCLDWWR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLDWWR1MB TRI  
Light Source: -  
Ballast/Driver: -

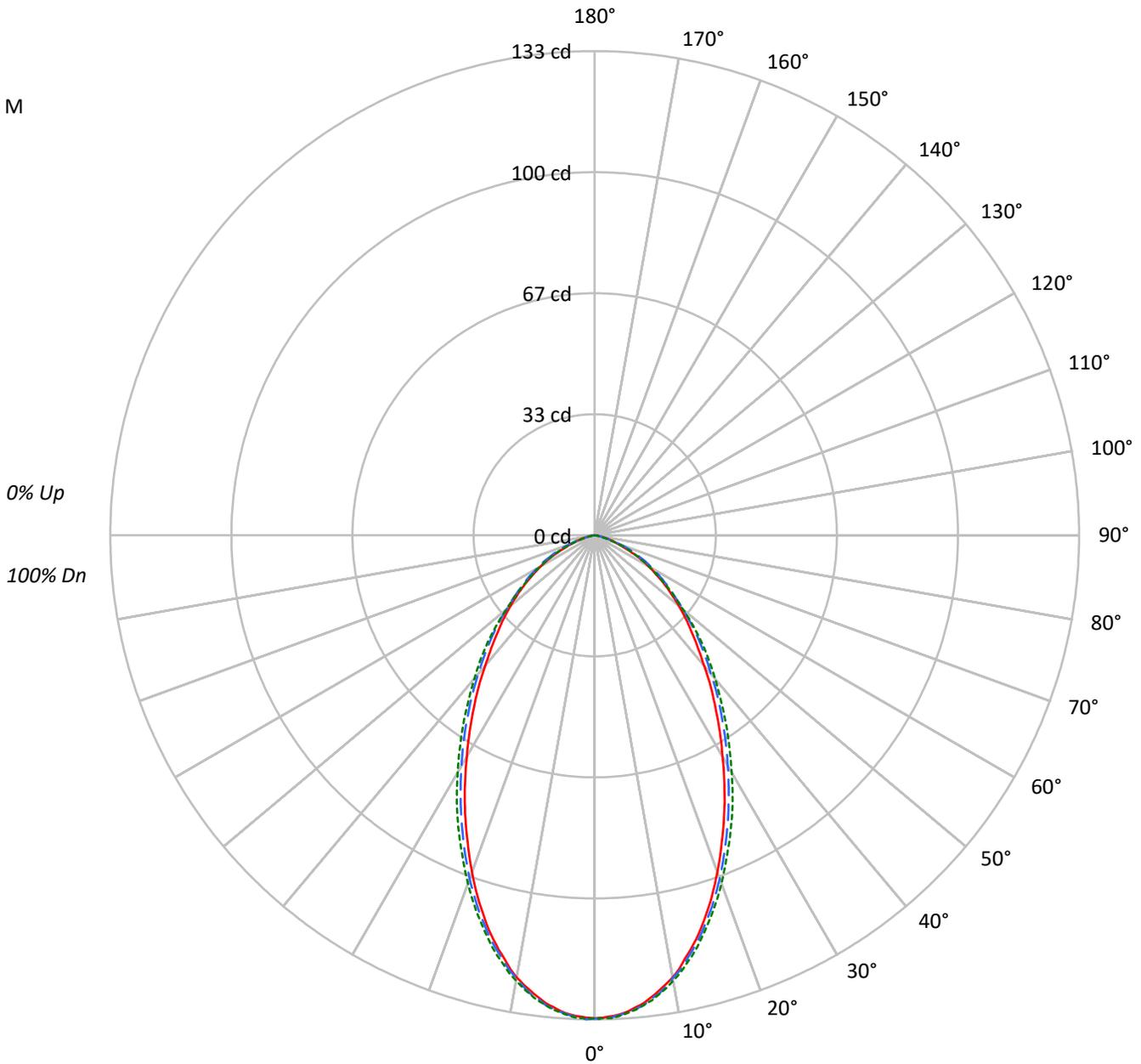
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 190.0 lumens  
Efficiency: N/A  
Efficacy: 52.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 106 | 103 | 100 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  | 89  | 89  | 89  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  | 89  | 85  | 82  | 86  | 83  | 80  | 79  | 79  | 79  | 79  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 69  | 69  | 69  | 69  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 72  | 67  | 64  | 62  | 62  | 62  | 62  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 55  | 55  | 55  | 55  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  | 62  | 56  | 52  | 61  | 56  | 52  | 50  | 50  | 50  | 50  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  | 58  | 52  | 47  | 56  | 51  | 47  | 45  | 45  | 45  | 45  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  | 53  | 48  | 43  | 52  | 47  | 43  | 41  | 41  | 41  | 41  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 38  | 38  | 38  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  | 35  | 35  | 35  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 22854 | 22854 | 22854 |
| 5°  | 22492 | 22578 | 22613 |
| 10° | 21563 | 21598 | 21720 |
| 15° | 20005 | 20183 | 20344 |
| 20° | 18053 | 18401 | 18657 |
| 25° | 16000 | 16437 | 16836 |
| 30° | 13960 | 14537 | 14955 |
| 35° | 12152 | 12783 | 13182 |
| 40° | 10499 | 11174 | 11556 |
| 45° | 9182  | 9815  | 10108 |
| 50° | 8092  | 8467  | 8467  |
| 55° | 6996  | 7356  | 7146  |
| 60° | 5924  | 6338  | 5993  |
| 65° | 4605  | 5298  | 4809  |
| 70° | 3323  | 3928  | 3323  |
| 75° | 2529  | 2329  | 1863  |
| 80° | 1686  | 1190  | 496   |
| 85° | 395   | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 10108 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 12.2   | 6.4       |
| 10°-20°   | 31.6   | 16.6      |
| 20°-30°   | 39.6   | 20.9      |
| 30°-40°   | 37.9   | 19.9      |
| 40°-50°   | 30.8   | 16.2      |
| 50°-60°   | 21.5   | 11.3      |
| 60°-70°   | 12.2   | 6.4       |
| 70°-80°   | 3.9    | 2.0       |
| 80°-90°   | 0.3    | 0.2       |
| 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°    | 83.5   | 43.9      |
| 0°-40°    | 121.3  | 63.9      |
| 0°-60°    | 173.7  | 91.4      |
| 0°-90°    | 190.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 190.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 133 | 133   | 133 | 133   | 133 |      |
| 5°  | 130 | 130   | 131 | 130   | 131 | 12   |
| 15° | 112 | 112   | 113 | 113   | 114 | 31   |
| 25° | 84  | 85    | 86  | 88    | 89  | 39   |
| 35° | 58  | 59    | 61  | 62    | 63  | 36   |
| 45° | 38  | 39    | 40  | 41    | 42  | 29   |
| 55° | 23  | 24    | 24  | 24    | 24  | 21   |
| 65° | 11  | 12    | 13  | 12    | 12  | 11   |
| 75° | 4   | 4     | 4   | 3     | 3   | 4    |
| 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°    | 132.7 | 132.7 | 132.7 | 132.7 | 132.7 |
| 1°    | 132.5 | 132.7 | 133.0 | 132.5 | 132.7 |
| 2°    | 132.2 | 132.5 | 132.5 | 132.2 | 132.7 |
| 3°    | 131.8 | 132.0 | 132.0 | 131.8 | 132.2 |
| 4°    | 131.1 | 131.3 | 131.3 | 131.1 | 131.5 |
| 5°    | 130.1 | 130.4 | 130.6 | 130.4 | 130.8 |
| 6°    | 129.2 | 129.4 | 129.7 | 129.4 | 129.7 |
| 7°    | 127.8 | 128.2 | 128.2 | 128.2 | 128.7 |
| 8°    | 126.4 | 126.8 | 127.1 | 126.8 | 127.3 |
| 9°    | 124.9 | 125.2 | 125.4 | 125.4 | 125.9 |
| 10°   | 123.3 | 123.5 | 123.5 | 123.8 | 124.2 |
| 11°   | 121.4 | 121.4 | 121.9 | 121.9 | 122.6 |
| 12°   | 119.0 | 119.3 | 119.8 | 120.0 | 120.5 |
| 13°   | 116.9 | 117.2 | 117.6 | 117.9 | 118.6 |
| 14°   | 114.6 | 115.0 | 115.5 | 115.7 | 116.5 |
| 15°   | 112.2 | 112.4 | 113.2 | 113.4 | 114.1 |
| 17.5° | 105.6 | 105.8 | 107.0 | 107.5 | 108.2 |
| 20°   | 98.5  | 99.2  | 100.4 | 101.1 | 101.8 |
| 22.5° | 91.2  | 91.9  | 93.4  | 94.5  | 95.0  |
| 25°   | 84.2  | 85.1  | 86.5  | 87.9  | 88.6  |
| 27.5° | 77.1  | 78.0  | 79.7  | 81.1  | 82.0  |
| 30°   | 70.2  | 71.2  | 73.1  | 74.3  | 75.2  |
| 32.5° | 63.9  | 64.8  | 66.9  | 68.1  | 68.8  |
| 35°   | 57.8  | 58.7  | 60.8  | 62.0  | 62.7  |
| 37.5° | 52.3  | 53.3  | 55.2  | 56.3  | 56.8  |
| 40°   | 46.7  | 47.9  | 49.7  | 50.9  | 51.4  |
| 42.5° | 42.0  | 42.9  | 44.8  | 45.7  | 46.4  |
| 45°   | 37.7  | 38.7  | 40.3  | 41.0  | 41.5  |
| 47.5° | 33.9  | 34.4  | 35.8  | 36.1  | 36.5  |
| 50°   | 30.2  | 30.6  | 31.6  | 31.8  | 31.6  |
| 52.5° | 26.6  | 27.1  | 27.8  | 27.6  | 27.6  |
| 55°   | 23.3  | 23.6  | 24.5  | 24.0  | 23.8  |
| 57.5° | 20.0  | 20.5  | 21.5  | 20.7  | 20.5  |
| 60°   | 17.2  | 17.7  | 18.4  | 17.9  | 17.4  |
| 62.5° | 14.4  | 14.6  | 15.8  | 14.9  | 14.4  |
| 65°   | 11.3  | 12.0  | 13.0  | 12.3  | 11.8  |
| 67.5° | 8.5   | 9.7   | 10.6  | 9.7   | 9.2   |
| 70°   | 6.6   | 7.1   | 7.8   | 7.3   | 6.6   |
| 72.5° | 5.0   | 5.2   | 5.4   | 5.0   | 4.5   |
| 75°   | 3.8   | 3.8   | 3.5   | 3.1   | 2.8   |
| 77.5° | 2.6   | 2.6   | 2.1   | 1.4   | 1.4   |
| 80°   | 1.7   | 1.7   | 1.2   | 0.5   | 0.5   |
| 82.5° | 0.7   | 0.7   | 0.5   | 0.2   | 0.2   |
| 85°   | 0.2   | 0.2   | 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)