

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: P1313208

Luminaire Tested: LDSQA3D02R359727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359727DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

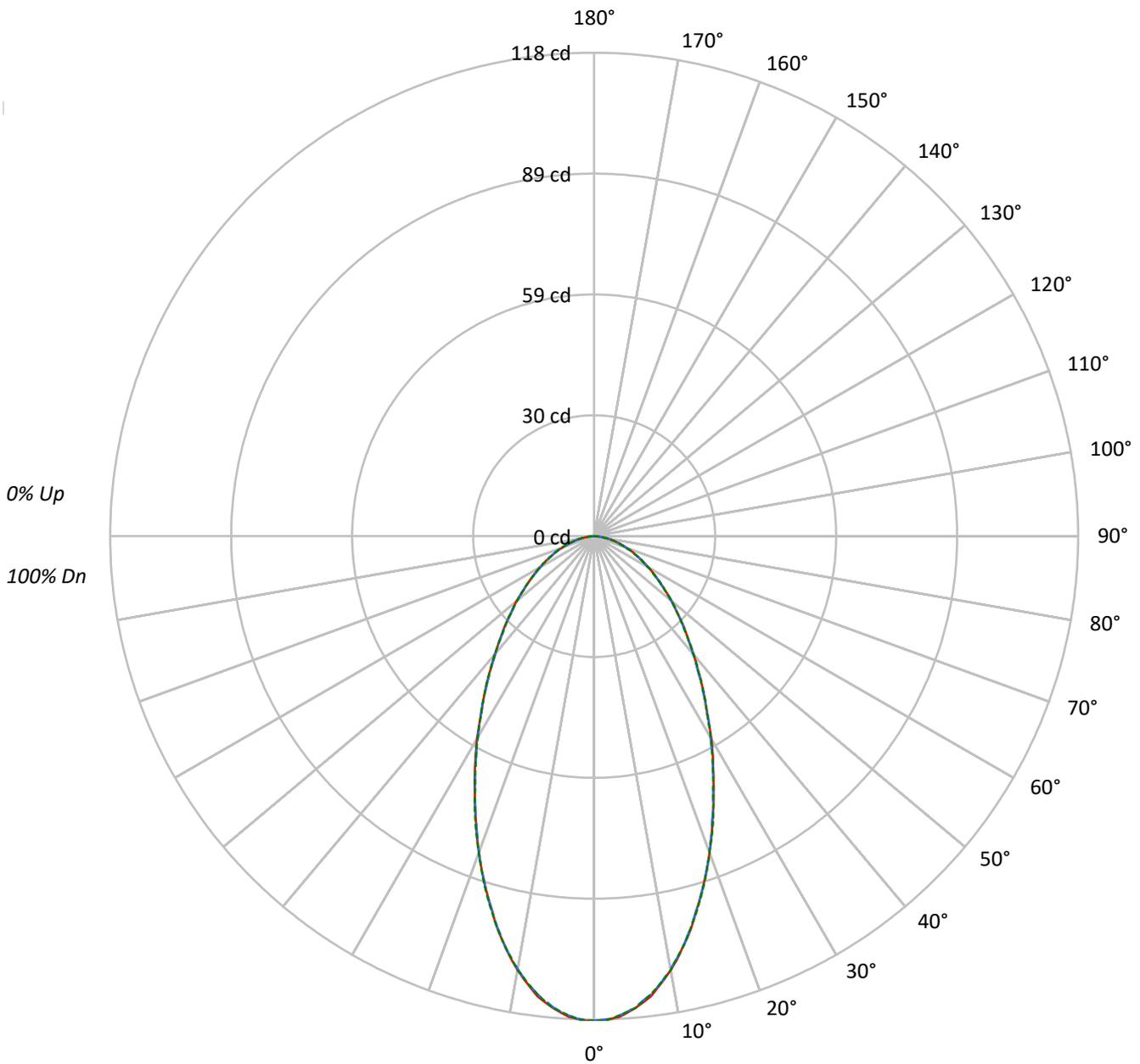
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 158.0 lumens  
Efficiency: N/A  
Efficacy: 43.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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 | 102 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 93  | 91  | 90  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 84  | 81  | 79  | 84  | 81  | 79  | 77  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 77  | 73  | 70  | 68  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 70  | 66  | 62  | 60  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 65  | 60  | 56  | 65  | 60  | 56  | 54  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 60  | 55  | 51  | 49  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 46  | 55  | 50  | 46  | 55  | 50  | 46  | 44  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 52  | 46  | 42  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 44  | 39  | 48  | 43  | 39  | 48  | 43  | 39  | 38  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 45  | 40  | 36  | 45  | 40  | 36  | 35  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 20374 | 20374 | 20374 |
| 5°  | 19985 | 19950 | 19985 |
| 10° | 18800 | 18765 | 18800 |
| 15° | 17010 | 17010 | 17045 |
| 20° | 15065 | 15065 | 15065 |
| 25° | 13093 | 13055 | 13055 |
| 30° | 11355 | 11276 | 11315 |
| 35° | 9776  | 9734  | 9776  |
| 40° | 8476  | 8431  | 8476  |
| 45° | 7453  | 7404  | 7404  |
| 50° | 6618  | 6564  | 6564  |
| 55° | 5825  | 5825  | 5825  |
| 60° | 5270  | 5201  | 5270  |
| 65° | 4727  | 4727  | 4727  |
| 70° | 4230  | 4230  | 4230  |
| 75° | 3793  | 3660  | 3793  |
| 80° | 3273  | 3273  | 3273  |
| 85° | 1976  | 1976  | 1976  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7453 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.8   | 6.8       |
| 10°-20°   | 26.6   | 16.8      |
| 20°-30°   | 31.6   | 20.0      |
| 30°-40°   | 29.1   | 18.4      |
| 40°-50°   | 23.6   | 14.9      |
| 50°-60°   | 17.5   | 11.1      |
| 60°-70°   | 11.6   | 7.3       |
| 70°-80°   | 6.0    | 3.8       |
| 80°-90°   | 1.3    | 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°    | 69.0   | 43.7      |
| 0°-40°    | 98.1   | 62.1      |
| 0°-60°    | 139.1  | 88.1      |
| 0°-90°    | 158.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 158.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 118 | 118   | 118 | 118   | 118 |      |
| 5°  | 116 | 115   | 115 | 115   | 116 | 11   |
| 15° | 95  | 95    | 95  | 95    | 96  | 27   |
| 25° | 69  | 69    | 69  | 69    | 69  | 32   |
| 35° | 46  | 46    | 46  | 46    | 46  | 29   |
| 45° | 31  | 30    | 30  | 30    | 30  | 24   |
| 55° | 19  | 19    | 19  | 19    | 19  | 18   |
| 65° | 12  | 12    | 12  | 12    | 12  | 12   |
| 75° | 6   | 6     | 6   | 6     | 6   | 6    |
| 85° | 1   | 1     | 1   | 1     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 118.3 | 118.3 | 118.3 | 118.3 | 118.3 |
| 1°    | 118.3 | 118.1 | 118.1 | 118.1 | 118.3 |
| 2°    | 117.9 | 117.9 | 117.9 | 117.9 | 117.9 |
| 3°    | 117.5 | 117.2 | 117.2 | 117.2 | 117.2 |
| 4°    | 116.6 | 116.4 | 116.4 | 116.4 | 116.4 |
| 5°    | 115.6 | 115.4 | 115.4 | 115.4 | 115.6 |
| 6°    | 114.4 | 114.2 | 114.0 | 114.0 | 114.2 |
| 7°    | 113.2 | 112.8 | 112.8 | 112.8 | 112.8 |
| 8°    | 111.3 | 111.1 | 111.1 | 111.1 | 111.1 |
| 9°    | 109.5 | 109.1 | 109.3 | 109.3 | 109.3 |
| 10°   | 107.5 | 107.3 | 107.3 | 107.3 | 107.5 |
| 11°   | 105.4 | 105.2 | 105.2 | 105.0 | 105.2 |
| 12°   | 103.0 | 103.0 | 103.0 | 103.0 | 103.0 |
| 13°   | 100.7 | 100.5 | 100.5 | 100.5 | 100.7 |
| 14°   | 98.3  | 98.1  | 98.1  | 98.1  | 98.1  |
| 15°   | 95.4  | 95.4  | 95.4  | 95.4  | 95.6  |
| 17.5° | 88.9  | 88.7  | 88.9  | 88.9  | 89.1  |
| 20°   | 82.2  | 82.0  | 82.2  | 82.2  | 82.2  |
| 22.5° | 75.4  | 75.4  | 75.2  | 75.4  | 75.7  |
| 25°   | 68.9  | 68.7  | 68.7  | 68.9  | 68.7  |
| 27.5° | 62.8  | 62.6  | 62.6  | 62.6  | 62.6  |
| 30°   | 57.1  | 56.7  | 56.7  | 56.9  | 56.9  |
| 32.5° | 51.2  | 51.2  | 51.4  | 51.2  | 51.2  |
| 35°   | 46.5  | 46.3  | 46.3  | 46.5  | 46.5  |
| 37.5° | 41.8  | 41.6  | 41.6  | 41.8  | 41.8  |
| 40°   | 37.7  | 37.7  | 37.5  | 37.7  | 37.7  |
| 42.5° | 33.8  | 33.8  | 33.8  | 33.8  | 33.8  |
| 45°   | 30.6  | 30.4  | 30.4  | 30.4  | 30.4  |
| 47.5° | 27.3  | 27.3  | 27.3  | 27.1  | 27.3  |
| 50°   | 24.7  | 24.5  | 24.5  | 24.5  | 24.5  |
| 52.5° | 21.8  | 21.8  | 21.8  | 21.8  | 21.8  |
| 55°   | 19.4  | 19.4  | 19.4  | 19.4  | 19.4  |
| 57.5° | 17.3  | 17.1  | 17.1  | 17.1  | 17.1  |
| 60°   | 15.3  | 15.3  | 15.1  | 15.3  | 15.3  |
| 62.5° | 13.3  | 13.3  | 13.3  | 13.3  | 13.3  |
| 65°   | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  |
| 67.5° | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |
| 70°   | 8.4   | 8.4   | 8.4   | 8.4   | 8.4   |
| 72.5° | 7.1   | 6.9   | 6.9   | 6.9   | 6.9   |
| 75°   | 5.7   | 5.7   | 5.5   | 5.7   | 5.7   |
| 77.5° | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   |
| 80°   | 3.3   | 3.3   | 3.3   | 3.1   | 3.3   |
| 82.5° | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 85°   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 87.5° | 0.2   | 0.2   | 0.2   | 0.4   | 0.4   |



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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)