

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: P1313468

Luminaire Tested: LDSQA3D09R159727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313468  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159727DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

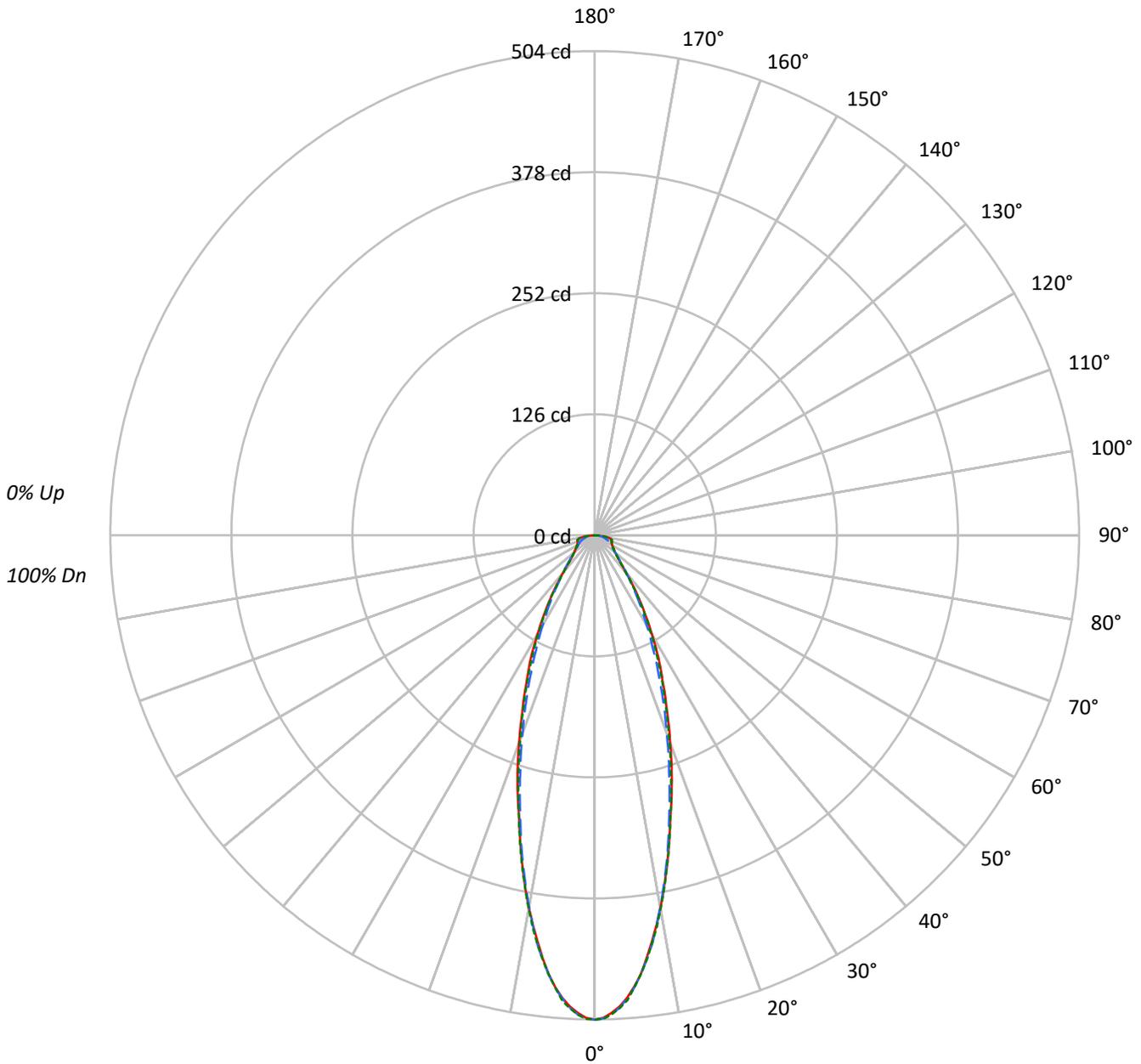
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 338.0 lumens  
Efficiency: N/A  
Efficacy: 30.5 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 91  | 91  | 91  | 89  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 83  | 87  | 84  | 82  | 82  | 82  | 82  | 80  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 77  | 74  | 74  | 74  | 74  | 73  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 77  | 73  | 69  | 75  | 71  | 68  | 68  | 68  | 68  | 66  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 63  | 61  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 60  | 68  | 63  | 59  | 67  | 62  | 59  | 59  | 59  | 59  | 57  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 60  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63  | 58  | 55  | 55  | 55  | 55  | 53  |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 52  | 50  |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 49  | 49  | 49  | 47  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 46  | 46  | 46  | 45  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 86835 | 86835 | 86835 |
| 5°  | 81548 | 81651 | 81651 |
| 10° | 68885 | 68675 | 69095 |
| 15° | 54185 | 53418 | 54292 |
| 20° | 42098 | 40192 | 41549 |
| 25° | 31772 | 29568 | 31316 |
| 30° | 23645 | 21557 | 23148 |
| 35° | 16883 | 15705 | 16609 |
| 40° | 11421 | 11578 | 11286 |
| 45° | 8500  | 8963  | 8500  |
| 50° | 7395  | 7395  | 7395  |
| 55° | 7176  | 6816  | 7176  |
| 60° | 7371  | 6751  | 7164  |
| 65° | 7987  | 7009  | 7987  |
| 70° | 9567  | 7100  | 9567  |
| 75° | 12244 | 7320  | 12244 |
| 80° | 15174 | 7934  | 14579 |
| 85° | 12054 | 7311  | 13239 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 15174 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.5   | 12.6      |
| 10°-20°   | 84.1   | 24.9      |
| 20°-30°   | 74.3   | 22.0      |
| 30°-40°   | 48.8   | 14.4      |
| 40°-50°   | 28.5   | 8.4       |
| 50°-60°   | 21.0   | 6.2       |
| 60°-70°   | 17.9   | 5.3       |
| 70°-80°   | 14.8   | 4.4       |
| 80°-90°   | 6.1    | 1.8       |
| 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°    | 200.9  | 59.4      |
| 0°-40°    | 249.7  | 73.9      |
| 0°-60°    | 299.2  | 88.5      |
| 0°-90°    | 338.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 338.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 504 | 504   | 504 | 504   | 504 |      |
| 5°  | 472 | 472   | 472 | 473   | 472 | 42   |
| 15° | 304 | 304   | 300 | 303   | 304 | 85   |
| 25° | 167 | 162   | 156 | 160   | 165 | 77   |
| 35° | 80  | 77    | 75  | 77    | 79  | 51   |
| 45° | 35  | 36    | 37  | 36    | 35  | 28   |
| 55° | 24  | 23    | 23  | 23    | 24  | 22   |
| 65° | 20  | 18    | 17  | 18    | 20  | 20   |
| 75° | 18  | 14    | 11  | 14    | 18  | 19   |
| 85° | 6   | 7     | 4   | 6     | 7   | 7    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 504.2 | 504.2 | 504.2 | 504.2 | 504.2 |
| 1°    | 502.4 | 503.0 | 503.0 | 503.6 | 503.6 |
| 2°    | 497.5 | 498.7 | 499.3 | 499.3 | 499.3 |
| 3°    | 491.3 | 491.9 | 492.6 | 493.2 | 493.2 |
| 4°    | 482.8 | 483.4 | 483.4 | 484.6 | 485.2 |
| 5°    | 471.7 | 471.7 | 472.3 | 472.9 | 472.3 |
| 6°    | 458.9 | 458.9 | 459.5 | 459.5 | 459.5 |
| 7°    | 443.5 | 444.2 | 444.8 | 445.4 | 444.8 |
| 8°    | 427.0 | 427.6 | 429.5 | 429.5 | 428.8 |
| 9°    | 410.5 | 411.1 | 411.1 | 412.9 | 412.9 |
| 10°   | 393.9 | 393.9 | 392.7 | 393.9 | 395.1 |
| 12.5° | 349.2 | 348.6 | 346.7 | 348.6 | 349.8 |
| 15°   | 303.9 | 303.9 | 299.6 | 303.3 | 304.5 |
| 17.5° | 267.1 | 261.6 | 257.3 | 261.0 | 264.0 |
| 20°   | 229.7 | 224.2 | 219.3 | 223.0 | 226.7 |
| 22.5° | 196.0 | 191.8 | 185.6 | 189.3 | 193.6 |
| 25°   | 167.2 | 161.7 | 155.6 | 159.9 | 164.8 |
| 27.5° | 143.4 | 136.0 | 129.9 | 134.8 | 139.1 |
| 30°   | 118.9 | 113.9 | 108.4 | 112.1 | 116.4 |
| 32.5° | 98.0  | 94.3  | 90.1  | 93.1  | 96.8  |
| 35°   | 80.3  | 77.2  | 74.7  | 76.6  | 79.0  |
| 37.5° | 64.3  | 63.1  | 61.9  | 62.5  | 62.5  |
| 40°   | 50.8  | 51.5  | 51.5  | 51.5  | 50.2  |
| 42.5° | 41.7  | 42.3  | 43.5  | 42.3  | 41.7  |
| 45°   | 34.9  | 35.5  | 36.8  | 35.5  | 34.9  |
| 47.5° | 30.6  | 31.2  | 31.9  | 30.6  | 30.6  |
| 50°   | 27.6  | 27.6  | 27.6  | 27.6  | 27.6  |
| 52.5° | 25.7  | 25.1  | 25.1  | 25.1  | 25.7  |
| 55°   | 23.9  | 23.3  | 22.7  | 23.3  | 23.9  |
| 57.5° | 22.1  | 21.4  | 20.8  | 21.4  | 22.1  |
| 60°   | 21.4  | 20.2  | 19.6  | 20.2  | 20.8  |
| 62.5° | 20.2  | 19.0  | 18.4  | 19.0  | 20.2  |
| 65°   | 19.6  | 17.8  | 17.2  | 17.8  | 19.6  |
| 67.5° | 19.0  | 16.5  | 15.3  | 16.5  | 19.0  |
| 70°   | 19.0  | 15.3  | 14.1  | 15.9  | 19.0  |
| 72.5° | 18.4  | 14.7  | 12.3  | 14.7  | 18.4  |
| 75°   | 18.4  | 13.5  | 11.0  | 14.1  | 18.4  |
| 77.5° | 17.2  | 12.3  | 9.2   | 12.9  | 17.2  |
| 80°   | 15.3  | 11.0  | 8.0   | 11.6  | 14.7  |
| 82.5° | 11.0  | 9.2   | 6.1   | 9.2   | 11.0  |
| 85°   | 6.1   | 6.7   | 3.7   | 6.1   | 6.7   |
| 87.5° | 0.6   | 1.8   | 1.2   | 3.7   | 3.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)