

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: P1314506

Luminaire Tested: LDSQA3D09R359730DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359730DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

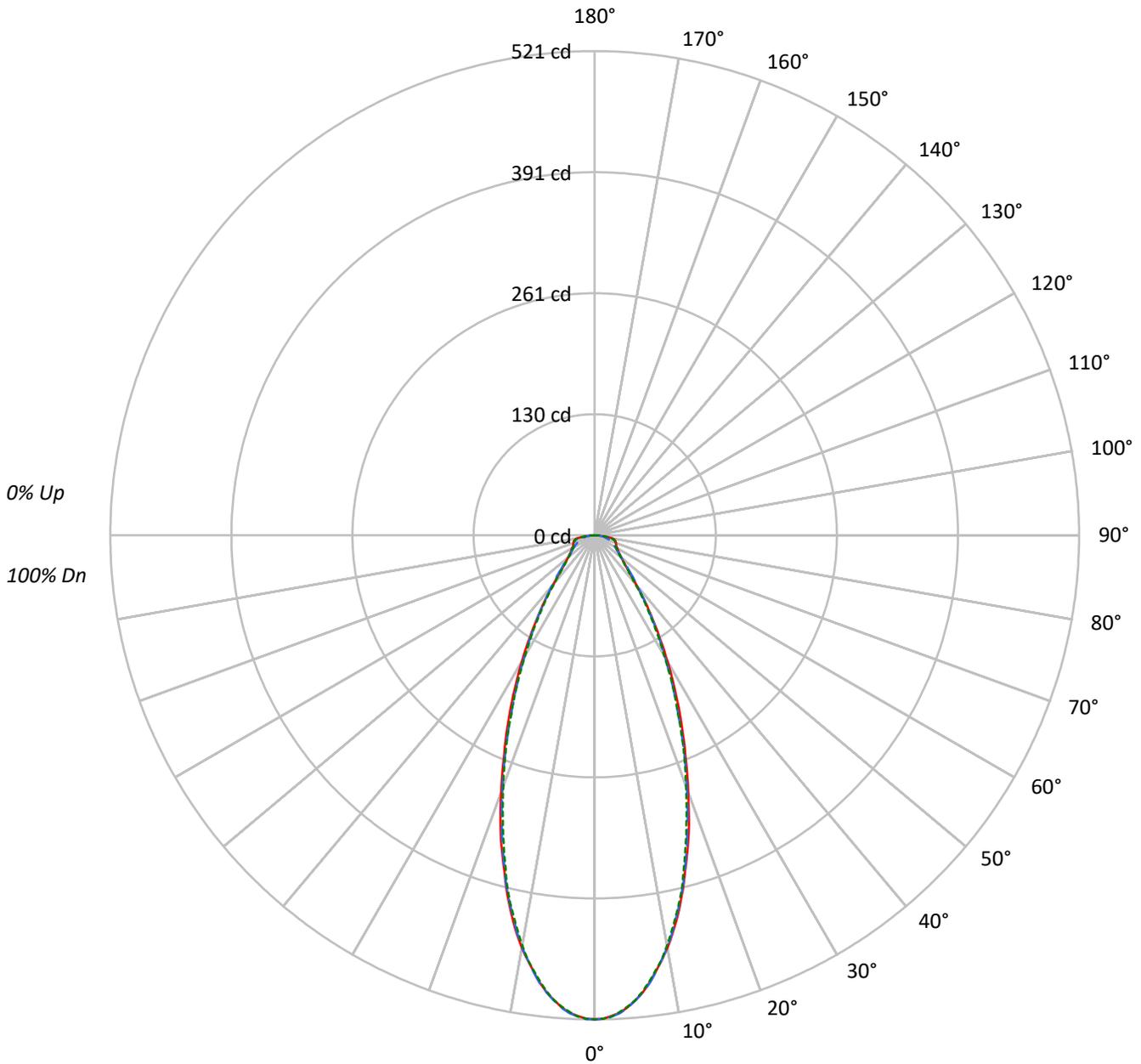
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 431.0 lumens  
Efficiency: N/A  
Efficacy: 38.8 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
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 (A<sub>in</sub>): 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  |     |     |     | 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 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 91  | 91  | 91  | 89  |
| 2   | 104 | 98  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 84  | 81  | 81  | 81  | 81  | 79  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 74  | 74  | 74  | 72  |
| 4   | 92  | 82  | 75  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 67  | 67  | 67  | 65  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 62  | 62  | 62  | 60  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 57  | 57  | 57  | 56  |
| 7   | 77  | 66  | 60  | 55  | 76  | 66  | 59  | 54  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 54  | 54  | 54  | 52  |
| 8   | 73  | 62  | 56  | 51  | 72  | 62  | 55  | 51  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 50  | 50  | 50  | 49  |
| 9   | 70  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 47  | 56  | 51  | 47  | 55  | 51  | 47  | 47  | 47  | 47  | 46  |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 45  | 53  | 48  | 44  | 44  | 44  | 44  | 43  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 89711 | 89711 | 89711 |
| 5°  | 86769 | 86890 | 86769 |
| 10° | 78818 | 78713 | 78363 |
| 15° | 66915 | 66683 | 66095 |
| 20° | 53865 | 53150 | 52673 |
| 25° | 41635 | 40400 | 40400 |
| 30° | 31043 | 30009 | 29750 |
| 35° | 22349 | 22076 | 21508 |
| 40° | 15625 | 16075 | 15041 |
| 45° | 11667 | 12300 | 11350 |
| 50° | 10021 | 10021 | 9833  |
| 55° | 9458  | 9068  | 9248  |
| 60° | 9713  | 8818  | 9266  |
| 65° | 10432 | 8843  | 10147 |
| 70° | 12236 | 9265  | 11884 |
| 75° | 15305 | 9582  | 14839 |
| 80° | 19538 | 10414 | 17555 |
| 85° | 15611 | 10275 | 15611 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 19538 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.3   | 10.7      |
| 10°-20°   | 103.3  | 24.0      |
| 20°-30°   | 98.6   | 22.9      |
| 30°-40°   | 66.2   | 15.4      |
| 40°-50°   | 38.9   | 9.0       |
| 50°-60°   | 27.8   | 6.5       |
| 60°-70°   | 23.2   | 5.4       |
| 70°-80°   | 19.0   | 4.4       |
| 80°-90°   | 7.8    | 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°    | 248.1  | 57.6      |
| 0°-40°    | 314.4  | 72.9      |
| 0°-60°    | 381.0  | 88.4      |
| 0°-90°    | 431.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 431.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 521 | 521   | 521 | 521   | 521 |      |
| 5°  | 502 | 503   | 503 | 502   | 502 | 46   |
| 15° | 375 | 376   | 374 | 371   | 371 | 104  |
| 25° | 219 | 216   | 213 | 213   | 213 | 101  |
| 35° | 106 | 106   | 105 | 103   | 102 | 67   |
| 45° | 48  | 49    | 50  | 48    | 47  | 38   |
| 55° | 32  | 31    | 30  | 30    | 31  | 29   |
| 65° | 26  | 23    | 22  | 23    | 25  | 26   |
| 75° | 23  | 18    | 14  | 18    | 22  | 24   |
| 85° | 8   | 8     | 5   | 8     | 8   | 9    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 |
| 1°    | 520.3 | 520.9 | 520.9 | 520.3 | 520.3 |
| 2°    | 517.6 | 519.0 | 518.3 | 517.6 | 518.3 |
| 3°    | 514.4 | 515.7 | 515.0 | 514.4 | 513.7 |
| 4°    | 509.1 | 510.4 | 509.8 | 508.5 | 508.5 |
| 5°    | 501.9 | 503.2 | 502.6 | 501.9 | 501.9 |
| 6°    | 494.7 | 496.0 | 494.7 | 493.4 | 493.4 |
| 7°    | 484.8 | 486.8 | 485.5 | 484.2 | 483.5 |
| 8°    | 473.7 | 475.7 | 474.3 | 473.7 | 472.4 |
| 9°    | 462.5 | 463.8 | 461.9 | 461.9 | 461.9 |
| 10°   | 450.7 | 451.4 | 450.1 | 448.1 | 448.1 |
| 11°   | 437.6 | 436.9 | 436.3 | 435.0 | 433.7 |
| 12°   | 423.2 | 423.2 | 421.2 | 419.9 | 419.2 |
| 13°   | 408.1 | 407.4 | 406.1 | 404.8 | 404.8 |
| 14°   | 392.3 | 392.3 | 391.0 | 388.4 | 389.1 |
| 15°   | 375.3 | 375.9 | 374.0 | 371.3 | 370.7 |
| 17.5° | 336.6 | 335.3 | 332.0 | 330.0 | 328.0 |
| 20°   | 293.9 | 293.3 | 290.0 | 288.0 | 287.4 |
| 22.5° | 254.6 | 253.9 | 250.6 | 248.7 | 250.0 |
| 25°   | 219.1 | 216.5 | 212.6 | 212.6 | 212.6 |
| 27.5° | 186.3 | 183.0 | 180.4 | 179.1 | 180.4 |
| 30°   | 156.1 | 153.5 | 150.9 | 150.2 | 149.6 |
| 32.5° | 129.2 | 127.9 | 126.6 | 124.7 | 124.7 |
| 35°   | 106.3 | 106.3 | 105.0 | 103.0 | 102.3 |
| 37.5° | 86.6  | 87.3  | 86.6  | 84.6  | 84.0  |
| 40°   | 69.5  | 70.9  | 71.5  | 69.5  | 66.9  |
| 42.5° | 57.1  | 59.0  | 60.4  | 57.1  | 55.1  |
| 45°   | 47.9  | 49.2  | 50.5  | 47.9  | 46.6  |
| 47.5° | 42.0  | 42.6  | 43.3  | 41.3  | 40.7  |
| 50°   | 37.4  | 37.4  | 37.4  | 36.7  | 36.7  |
| 52.5° | 34.1  | 34.1  | 33.5  | 32.8  | 32.8  |
| 55°   | 31.5  | 30.8  | 30.2  | 30.2  | 30.8  |
| 57.5° | 29.5  | 28.9  | 27.6  | 28.2  | 28.9  |
| 60°   | 28.2  | 26.9  | 25.6  | 26.2  | 26.9  |
| 62.5° | 26.2  | 24.9  | 23.6  | 24.3  | 25.6  |
| 65°   | 25.6  | 23.0  | 21.7  | 23.0  | 24.9  |
| 67.5° | 24.9  | 21.7  | 19.7  | 21.7  | 24.3  |
| 70°   | 24.3  | 20.3  | 18.4  | 20.3  | 23.6  |
| 72.5° | 23.6  | 19.0  | 16.4  | 19.0  | 23.0  |
| 75°   | 23.0  | 17.7  | 14.4  | 17.7  | 22.3  |
| 77.5° | 21.7  | 16.4  | 12.5  | 16.4  | 20.3  |
| 80°   | 19.7  | 15.1  | 10.5  | 14.4  | 17.7  |
| 82.5° | 14.4  | 12.5  | 8.5   | 12.5  | 13.1  |
| 85°   | 7.9   | 8.5   | 5.2   | 8.5   | 7.9   |
| 87.5° | 0.7   | 1.3   | 1.3   | 3.9   | 2.6   |



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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)