

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: P1306654

Luminaire Tested: LDSQA3D02R259024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

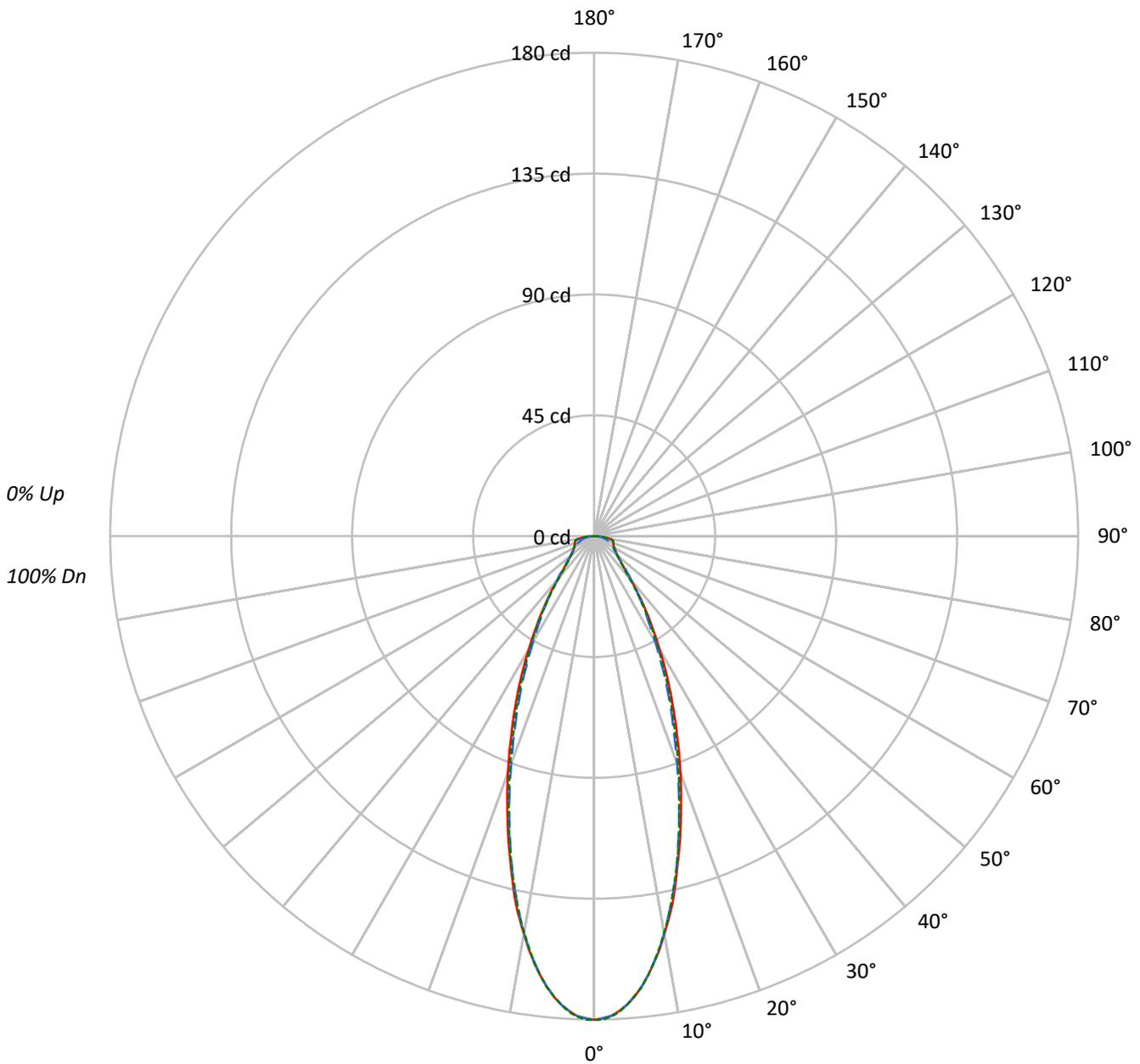
Test Method: LM-79-2019  
Report Number: P1306654  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259024DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 136.0 lumens  
Efficiency: N/A  
Efficacy: 37.8 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68  
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 (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  |     |     |     |     |
| 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  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 89  | 86  | 83  | 87  | 84  | 81  | 81  | 81  | 81  | 80  |
| 3   | 98  | 90  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 74  | 72  |
| 4   | 92  | 83  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 68  | 68  | 68  | 66  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 64  | 74  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 63  | 63  | 63  | 61  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 59  | 69  | 63  | 59  | 68  | 62  | 59  | 66  | 62  | 58  | 58  | 58  | 58  | 56  |
| 7   | 78  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  | 64  | 58  | 55  | 62  | 58  | 54  | 54  | 54  | 54  | 53  |
| 8   | 74  | 63  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 51  | 51  | 51  | 49  |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 48  | 48  | 48  | 46  |
| 10  | 67  | 56  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 49  | 46  | 54  | 49  | 45  | 53  | 49  | 45  | 45  | 45  | 45  | 44  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 31017 | 31017 | 31017 |
| 5°  | 29753 | 29718 | 29718 |
| 10° | 26302 | 26267 | 26197 |
| 15° | 21717 | 21414 | 21538 |
| 20° | 17210 | 16495 | 16770 |
| 25° | 13112 | 12409 | 12732 |
| 30° | 9665  | 8969  | 9367  |
| 35° | 6917  | 6602  | 6686  |
| 40° | 4744  | 4834  | 4586  |
| 45° | 3507  | 3726  | 3459  |
| 50° | 3054  | 3054  | 3001  |
| 55° | 2913  | 2762  | 2913  |
| 60° | 2962  | 2756  | 2962  |
| 65° | 3260  | 2812  | 3260  |
| 70° | 3877  | 2820  | 3777  |
| 75° | 4858  | 2994  | 4858  |
| 80° | 6149  | 3174  | 5752  |
| 85° | 5138  | 2964  | 5138  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 6149 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 15.7   | 11.6      |
| 10°-20°   | 33.4   | 24.5      |
| 20°-30°   | 30.6   | 22.5      |
| 30°-40°   | 20.2   | 14.8      |
| 40°-50°   | 11.8   | 8.6       |
| 50°-60°   | 8.6    | 6.3       |
| 60°-70°   | 7.3    | 5.4       |
| 70°-80°   | 6.0    | 4.4       |
| 80°-90°   | 2.5    | 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°    | 79.7   | 58.6      |
| 0°-40°    | 99.9   | 73.4      |
| 0°-60°    | 120.2  | 88.4      |
| 0°-90°    | 136.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 136.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 180 | 180   | 180 | 180   | 180 |      |
| 5°  | 172 | 172   | 172 | 172   | 172 | 16   |
| 15° | 122 | 121   | 120 | 121   | 121 | 34   |
| 25° | 69  | 67    | 65  | 66    | 67  | 32   |
| 35° | 33  | 32    | 31  | 31    | 32  | 21   |
| 45° | 14  | 15    | 15  | 14    | 14  | 12   |
| 55° | 10  | 10    | 9   | 10    | 10  | 9    |
| 65° | 8   | 7     | 7   | 7     | 8   | 8    |
| 75° | 7   | 6     | 4   | 6     | 7   | 8    |
| 85° | 3   | 3     | 2   | 3     | 3   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 180.1 | 180.1 | 180.1 | 180.1 | 180.1 |
| 1°    | 179.6 | 179.6 | 179.6 | 179.6 | 180.1 |
| 2°    | 178.8 | 178.6 | 178.8 | 178.8 | 179.0 |
| 3°    | 177.1 | 177.1 | 177.1 | 177.1 | 177.5 |
| 4°    | 174.9 | 174.9 | 174.9 | 174.9 | 174.9 |
| 5°    | 172.1 | 171.9 | 171.9 | 172.1 | 171.9 |
| 6°    | 168.7 | 168.7 | 168.7 | 168.7 | 168.9 |
| 7°    | 164.8 | 164.6 | 164.6 | 164.4 | 164.8 |
| 8°    | 160.3 | 160.3 | 160.1 | 159.9 | 160.3 |
| 9°    | 155.6 | 155.8 | 155.4 | 155.1 | 155.1 |
| 10°   | 150.4 | 150.2 | 150.2 | 150.2 | 149.8 |
| 11°   | 145.3 | 144.6 | 144.4 | 144.4 | 144.8 |
| 12°   | 140.1 | 139.0 | 138.6 | 138.6 | 138.6 |
| 13°   | 133.9 | 133.4 | 132.8 | 132.4 | 132.6 |
| 14°   | 127.6 | 127.6 | 126.6 | 126.6 | 127.0 |
| 15°   | 121.8 | 121.4 | 120.1 | 120.6 | 120.8 |
| 17.5° | 107.4 | 106.6 | 105.1 | 105.1 | 105.3 |
| 20°   | 93.9  | 92.4  | 90.0  | 91.1  | 91.5  |
| 22.5° | 80.6  | 79.1  | 76.7  | 77.8  | 78.2  |
| 25°   | 69.0  | 67.0  | 65.3  | 65.5  | 67.0  |
| 27.5° | 58.4  | 56.3  | 54.6  | 55.2  | 56.1  |
| 30°   | 48.6  | 47.3  | 45.1  | 46.2  | 47.1  |
| 32.5° | 40.2  | 39.1  | 37.6  | 38.2  | 39.1  |
| 35°   | 32.9  | 32.2  | 31.4  | 31.4  | 31.8  |
| 37.5° | 26.6  | 26.4  | 26.0  | 25.8  | 25.6  |
| 40°   | 21.1  | 21.5  | 21.5  | 21.1  | 20.4  |
| 42.5° | 17.2  | 17.6  | 18.1  | 17.2  | 16.5  |
| 45°   | 14.4  | 14.8  | 15.3  | 14.4  | 14.2  |
| 47.5° | 12.7  | 12.9  | 13.1  | 12.7  | 12.5  |
| 50°   | 11.4  | 11.4  | 11.4  | 11.2  | 11.2  |
| 52.5° | 10.5  | 10.3  | 10.1  | 10.3  | 10.3  |
| 55°   | 9.7   | 9.7   | 9.2   | 9.5   | 9.7   |
| 57.5° | 9.0   | 8.8   | 8.6   | 8.8   | 9.0   |
| 60°   | 8.6   | 8.2   | 8.0   | 8.2   | 8.6   |
| 62.5° | 8.2   | 7.7   | 7.3   | 7.7   | 8.2   |
| 65°   | 8.0   | 7.3   | 6.9   | 7.3   | 8.0   |
| 67.5° | 7.7   | 6.9   | 6.2   | 6.9   | 7.7   |
| 70°   | 7.7   | 6.4   | 5.6   | 6.4   | 7.5   |
| 72.5° | 7.5   | 6.0   | 5.2   | 6.0   | 7.5   |
| 75°   | 7.3   | 5.6   | 4.5   | 5.6   | 7.3   |
| 77.5° | 7.1   | 5.2   | 3.9   | 5.2   | 6.9   |
| 80°   | 6.2   | 4.7   | 3.2   | 4.7   | 5.8   |
| 82.5° | 4.5   | 3.9   | 2.6   | 3.9   | 4.3   |
| 85°   | 2.6   | 2.8   | 1.5   | 2.8   | 2.6   |
| 87.5° | 0.4   | 0.6   | 0.4   | 1.1   | 0.9   |



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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)