

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: P1317499

Luminaire Tested: LDSQA3D13R359827DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317499  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359827DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

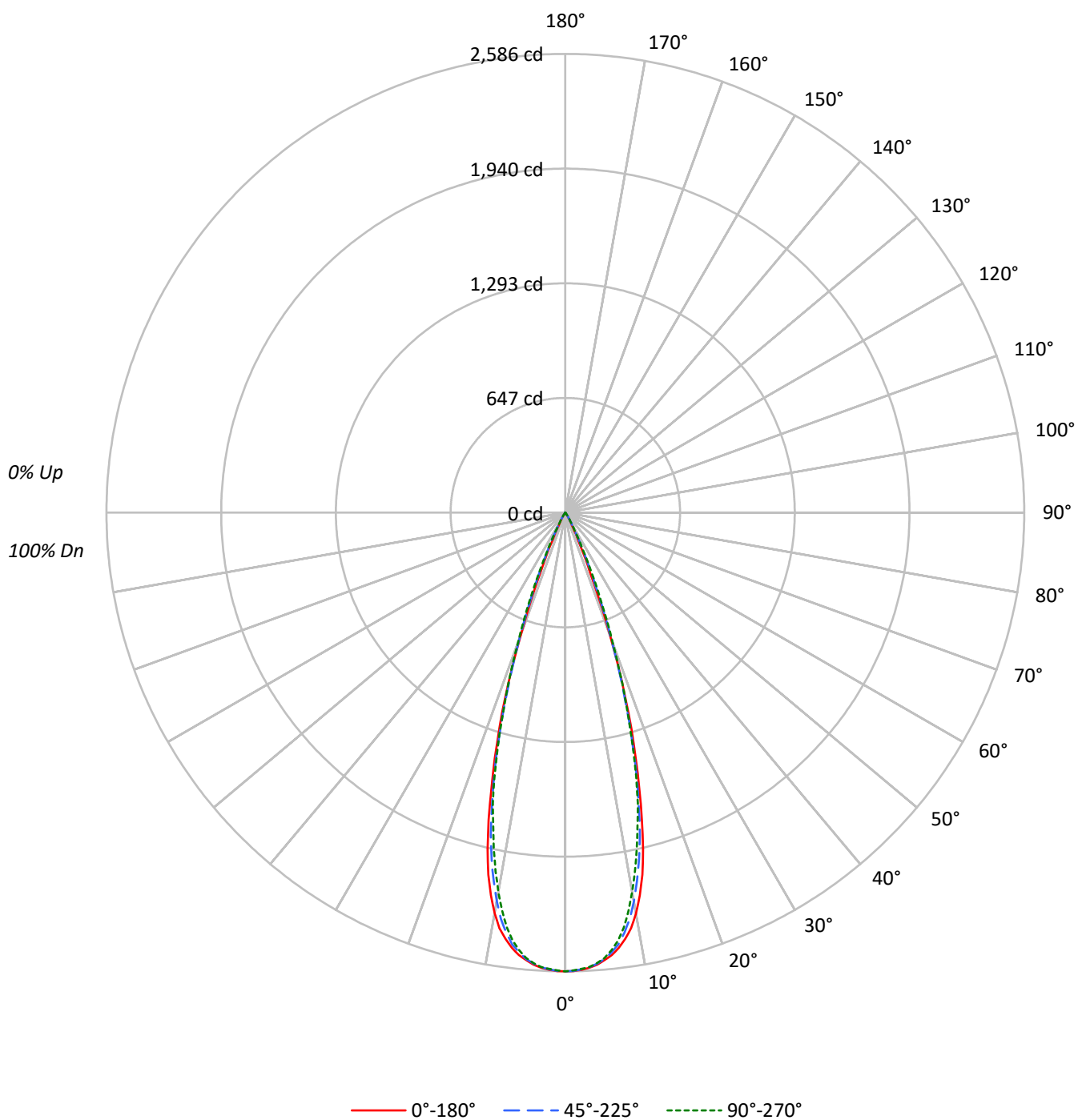
Lumens per Lamp: N/A  
Luminaire Lumens: 785.0 lumens  
Efficiency: N/A  
Efficacy: 54.1 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 100 | 98  | 97  | 97  | 96  | 95  | 93  | 92 | 91 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  | 97  | 95  | 93  | 95  | 93  | 92  | 90  | 89 | 87 |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 90  | 89  | 87  | 85 | 82 |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 83 | 81 |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 80 | 77 |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 79  | 78 | 76 |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  | 84  | 81  | 79  | 83  | 80  | 78  | 77  | 75 | 73 |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  | 82  | 79  | 76  | 81  | 78  | 76  | 75  | 73 | 71 |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 73  | 71 | 69 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 445419 | 445419 | 445419 |
| 5°  | 437768 | 436834 | 435901 |
| 10° | 401208 | 389142 | 379681 |
| 15° | 287292 | 278127 | 274757 |
| 20° | 133223 | 137805 | 142643 |
| 25° | 31601  | 44979  | 46899  |
| 30° | 9287   | 10619  | 11972  |
| 35° | 2123   | 3406   | 3133   |
| 40° | 450    | 922    | 607    |
| 45° | 170    | 170    | 170    |
| 50° | 188    | 0      | 188    |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 232.2  | 29.6      |
| 10°-20°   | 415.1  | 52.9      |
| 20°-30°   | 124.9  | 15.9      |
| 30°-40°   | 11.9   | 1.5       |
| 40°-50°   | 0.8    | 0.1       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 772.2  | 98.4      |
| 0°-40°    | 784.1  | 99.9      |
| 0°-60°    | 785.0  | 100.0     |
| 0°-90°    | 785.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 785.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2586 | 2586  | 2586 | 2586  | 2586 |      |
| 5°  | 2532 | 2532  | 2527 | 2523  | 2521 | 235  |
| 15° | 1611 | 1599  | 1560 | 1553  | 1541 | 426  |
| 25° | 166  | 183   | 237  | 247   | 247  | 107  |
| 35° | 10   | 14    | 16   | 18    | 15   | 9    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2586.3 | 2586.3 | 2586.3 | 2586.3 | 2586.3 |
| 1°    | 2585.0 | 2585.0 | 2583.6 | 2583.6 | 2580.9 |
| 2°    | 2578.9 | 2579.5 | 2576.8 | 2576.2 | 2574.1 |
| 3°    | 2569.4 | 2567.4 | 2567.4 | 2566.0 | 2564.7 |
| 4°    | 2554.5 | 2550.5 | 2549.1 | 2549.8 | 2547.1 |
| 5°    | 2532.2 | 2531.5 | 2526.8 | 2523.4 | 2521.4 |
| 6°    | 2507.9 | 2503.1 | 2493.0 | 2484.2 | 2482.2 |
| 7°    | 2471.4 | 2461.2 | 2452.4 | 2434.2 | 2431.5 |
| 8°    | 2426.7 | 2410.5 | 2391.6 | 2365.9 | 2364.5 |
| 9°    | 2372.0 | 2345.6 | 2319.2 | 2284.7 | 2272.6 |
| 10°   | 2294.2 | 2269.9 | 2225.2 | 2194.8 | 2171.1 |
| 11°   | 2197.5 | 2167.1 | 2115.0 | 2078.5 | 2058.9 |
| 12°   | 2088.0 | 2059.6 | 1998.7 | 1965.6 | 1937.9 |
| 13°   | 1947.3 | 1923.7 | 1866.9 | 1830.4 | 1808.7 |
| 14°   | 1784.4 | 1766.8 | 1712.7 | 1696.5 | 1689.0 |
| 15°   | 1611.3 | 1599.1 | 1559.9 | 1553.1 | 1541.0 |
| 17.5° | 1186.0 | 1165.7 | 1143.4 | 1147.4 | 1151.5 |
| 20°   | 726.9  | 755.3  | 751.9  | 766.8  | 778.3  |
| 22.5° | 362.4  | 398.9  | 441.5  | 467.2  | 480.1  |
| 25°   | 166.3  | 183.2  | 236.7  | 246.8  | 246.8  |
| 27.5° | 83.8   | 87.9   | 111.6  | 113.6  | 119.0  |
| 30°   | 46.7   | 50.0   | 53.4   | 59.5   | 60.2   |
| 32.5° | 23.7   | 27.7   | 29.1   | 32.5   | 31.1   |
| 35°   | 10.1   | 13.5   | 16.2   | 17.6   | 14.9   |
| 37.5° | 4.7    | 6.1    | 8.8    | 8.1    | 6.1    |
| 40°   | 2.0    | 2.7    | 4.1    | 3.4    | 2.7    |
| 42.5° | 1.4    | 1.4    | 2.0    | 1.4    | 1.4    |
| 45°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 47.5° | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 50°   | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 52.5° | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 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)