

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: P1312544

Luminaire Tested: LDSQA3D13R259050DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R259050DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

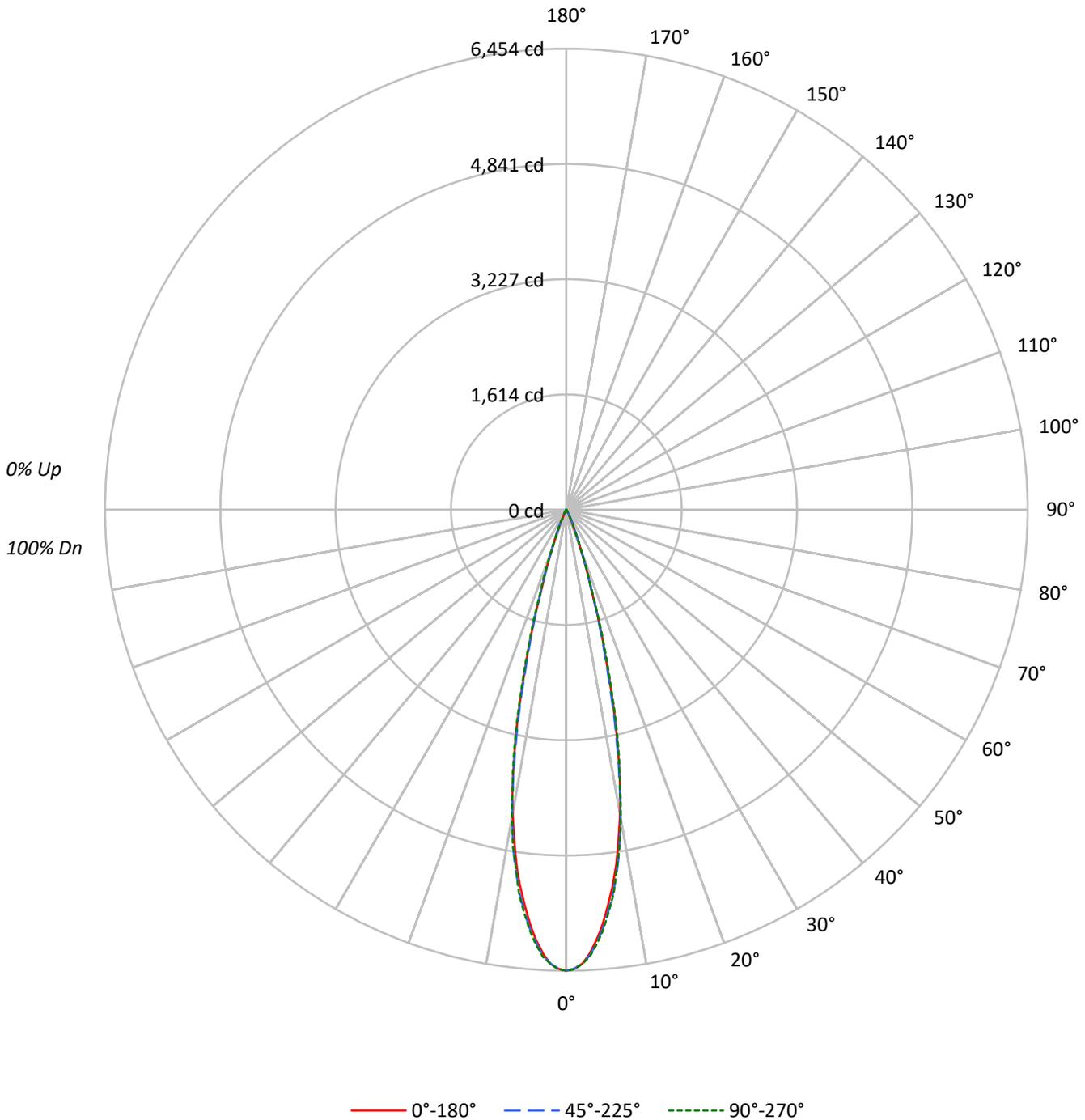
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1191.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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





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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   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 99  | 99  | 99  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 96  | 96  | 96  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 94  | 94  | 94  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 92  | 92  | 92  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 89  | 89  | 89  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 87  | 87  | 87  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 86  | 86  | 86  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 84  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 82  | 82  | 82  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  | 80  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1111439 | 1111439 | 1111439 |
| 5°  | 1007167 | 1016347 | 1021309 |
| 10° | 757158  | 762544  | 766059  |
| 15° | 374907  | 363728  | 387959  |
| 20° | 105878  | 107638  | 108792  |
| 25° | 18357   | 34718   | 21796   |
| 30° | 7179    | 7398    | 7597    |
| 35° | 2229    | 2460    | 2460    |
| 40° | 719     | 944     | 719     |
| 45° | 511     | 268     | 511     |
| 50° | 295     | 0       | 295     |
| 55° | 330     | 0       | 330     |
| 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: 45°

Luminance: 511 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 512.7  | 43.0      |
| 10°-20°   | 578.1  | 48.5      |
| 20°-30°   | 89.7   | 7.5       |
| 30°-40°   | 9.1    | 0.8       |
| 40°-50°   | 1.2    | 0.1       |
| 50°-60°   | 0.2    | 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       |
| 0°-30°    | 1180.5 | 99.1      |
| 0°-40°    | 1189.6 | 99.9      |
| 0°-60°    | 1191.0 | 100.0     |
| 0°-90°    | 1191.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1191.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6454 | 6454  | 6454 | 6454  | 6454 |      |
| 5°  | 5826 | 5836  | 5879 | 5902  | 5908 | 508  |
| 15° | 2103 | 2088  | 2040 | 2131  | 2176 | 576  |
| 25° | 97   | 143   | 183  | 139   | 115  | 81   |
| 35° | 11   | 12    | 12   | 13    | 12   | 9    |
| 45° | 2    | 1     | 1    | 1     | 2    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 1    |
| 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°    | 6453.5 | 6453.5 | 6453.5 | 6453.5 | 6453.5 |
| 1°    | 6426.9 | 6435.4 | 6425.8 | 6436.5 | 6435.4 |
| 2°    | 6360.0 | 6368.5 | 6356.8 | 6363.2 | 6363.2 |
| 3°    | 6223.0 | 6241.1 | 6251.7 | 6259.1 | 6265.5 |
| 4°    | 6042.5 | 6062.7 | 6078.6 | 6097.7 | 6097.7 |
| 5°    | 5825.8 | 5836.5 | 5878.9 | 5902.3 | 5907.6 |
| 6°    | 5567.8 | 5610.3 | 5642.1 | 5688.9 | 5660.2 |
| 7°    | 5309.7 | 5344.8 | 5389.4 | 5396.8 | 5417.0 |
| 8°    | 5016.6 | 5053.8 | 5095.2 | 5087.8 | 5070.8 |
| 9°    | 4659.8 | 4714.0 | 4762.8 | 4746.9 | 4768.1 |
| 10°   | 4329.6 | 4362.5 | 4360.4 | 4344.4 | 4380.5 |
| 11°   | 3946.2 | 3953.6 | 3912.2 | 3977.0 | 3937.7 |
| 12°   | 3491.7 | 3498.1 | 3445.0 | 3508.7 | 3549.0 |
| 13°   | 3056.3 | 3041.4 | 2968.1 | 3052.0 | 3103.0 |
| 14°   | 2555.0 | 2560.4 | 2466.9 | 2629.4 | 2616.6 |
| 15°   | 2102.7 | 2087.8 | 2040.0 | 2131.3 | 2175.9 |
| 17.5° | 1120.4 | 1129.9 | 1118.2 | 1163.9 | 1192.6 |
| 20°   | 577.7  | 593.6  | 587.3  | 606.4  | 593.6  |
| 22.5° | 299.5  | 321.8  | 328.1  | 313.3  | 272.9  |
| 25°   | 96.6   | 143.4  | 182.7  | 139.1  | 114.7  |
| 27.5° | 58.4   | 57.3   | 89.2   | 61.6   | 62.7   |
| 30°   | 36.1   | 35.0   | 37.2   | 37.2   | 38.2   |
| 32.5° | 20.2   | 21.2   | 20.2   | 22.3   | 21.2   |
| 35°   | 10.6   | 11.7   | 11.7   | 12.7   | 11.7   |
| 37.5° | 6.4    | 7.4    | 7.4    | 7.4    | 6.4    |
| 40°   | 3.2    | 4.2    | 4.2    | 3.2    | 3.2    |
| 42.5° | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 45°   | 2.1    | 1.1    | 1.1    | 1.1    | 2.1    |
| 47.5° | 1.1    | 1.1    | 0.0    | 1.1    | 1.1    |
| 50°   | 1.1    | 1.1    | 0.0    | 1.1    | 1.1    |
| 52.5° | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 55°   | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 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)