

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: P1308129

Luminaire Tested: LDSQA3D13R309027DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308129  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309027DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

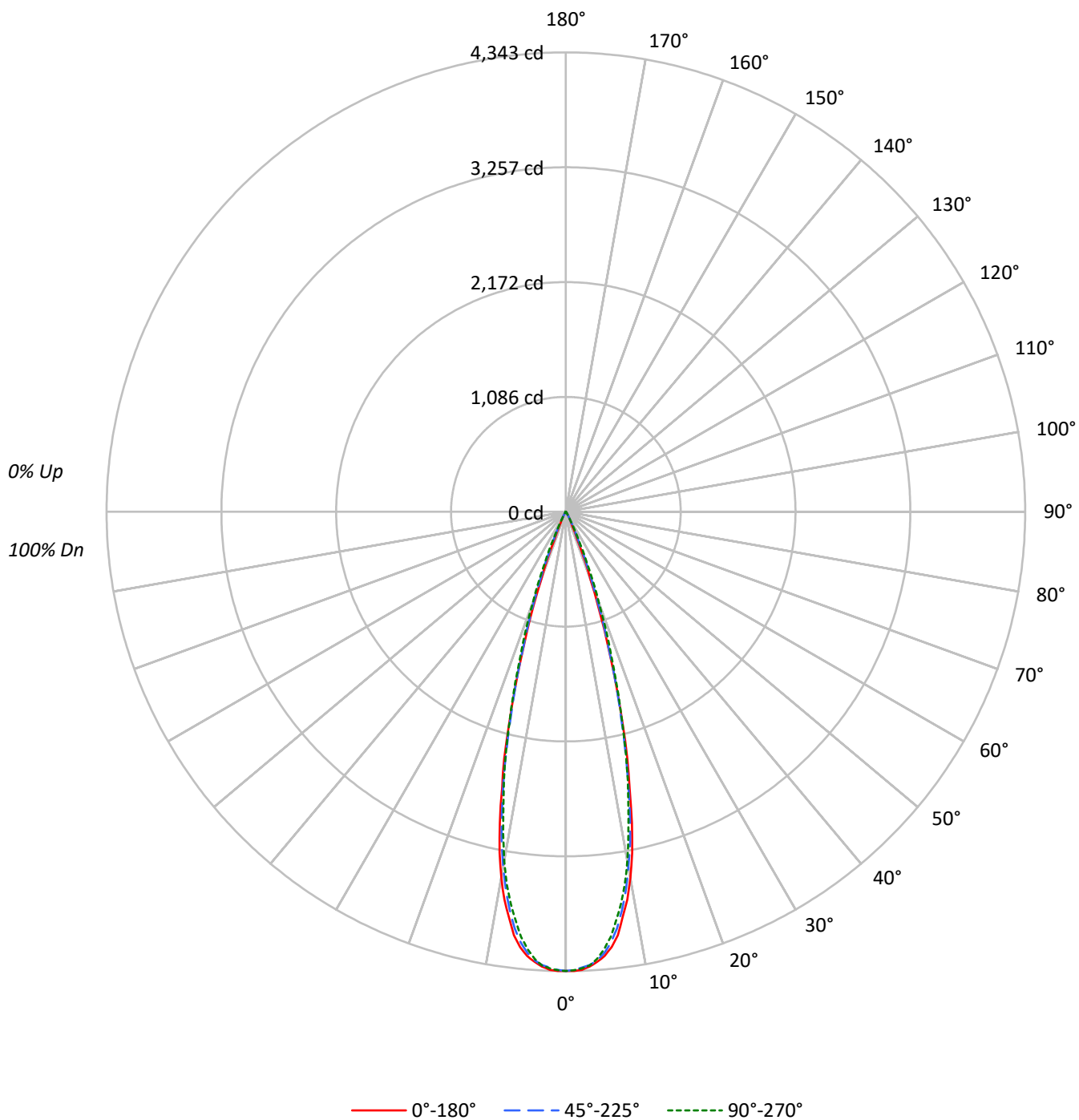
Lumens per Lamp: N/A  
Luminaire Lumens: 1052.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 |
| 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 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 87  | 87 | 87 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  | 80 | 80 |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  | 78 | 78 |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 76 | 76 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 747722 | 747722 | 747722 |
| 5°  | 728484 | 723453 | 717506 |
| 10° | 614771 | 595902 | 586213 |
| 15° | 370485 | 360126 | 366759 |
| 20° | 125672 | 145118 | 167386 |
| 25° | 23088  | 36200  | 42737  |
| 30° | 7935   | 8830   | 9923   |
| 35° | 2292   | 2859   | 3049   |
| 40° | 607    | 1012   | 809    |
| 45° | 219    | 219    | 219    |
| 50° | 241    | 0      | 241    |
| 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: 255 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 375.4  | 35.7      |
| 10°-20°   | 548.7  | 52.2      |
| 20°-30°   | 116.1  | 11.0      |
| 30°-40°   | 10.7   | 1.0       |
| 40°-50°   | 1.0    | 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°    | 1040.2 | 98.9      |
| 0°-40°    | 1050.9 | 99.9      |
| 0°-60°    | 1052.0 | 100.0     |
| 0°-90°    | 1052.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1052.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4342 | 4342  | 4342 | 4342  | 4342 |      |
| 5°  | 4214 | 4206  | 4185 | 4172  | 4150 | 380  |
| 15° | 2078 | 2071  | 2020 | 2067  | 2057 | 548  |
| 25° | 122  | 136   | 190  | 224   | 225  | 89   |
| 35° | 11   | 14    | 14   | 16    | 14   | 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°    | 4341.6 | 4341.6 | 4341.6 | 4341.6 | 4341.6 |
| 1°    | 4342.6 | 4338.0 | 4331.7 | 4340.7 | 4334.4 |
| 2°    | 4333.5 | 4322.6 | 4313.5 | 4322.6 | 4319.9 |
| 3°    | 4306.3 | 4297.2 | 4290.9 | 4295.4 | 4295.4 |
| 4°    | 4265.5 | 4255.5 | 4250.0 | 4250.9 | 4237.3 |
| 5°    | 4213.8 | 4205.6 | 4184.7 | 4172.0 | 4150.3 |
| 6°    | 4137.6 | 4117.6 | 4092.2 | 4071.4 | 4043.3 |
| 7°    | 4034.2 | 4003.3 | 3967.1 | 3930.8 | 3895.4 |
| 8°    | 3868.2 | 3853.7 | 3804.7 | 3780.2 | 3744.9 |
| 9°    | 3712.2 | 3676.8 | 3624.2 | 3584.3 | 3565.3 |
| 10°   | 3515.4 | 3462.8 | 3407.5 | 3375.7 | 3352.1 |
| 11°   | 3282.3 | 3228.8 | 3184.4 | 3138.1 | 3101.8 |
| 12°   | 3008.4 | 2963.1 | 2912.3 | 2881.4 | 2838.8 |
| 13°   | 2683.7 | 2677.4 | 2620.2 | 2610.2 | 2604.8 |
| 14°   | 2405.3 | 2379.9 | 2323.6 | 2339.1 | 2342.7 |
| 15°   | 2077.9 | 2070.6 | 2019.8 | 2067.0 | 2057.0 |
| 17.5° | 1301.5 | 1304.2 | 1336.0 | 1410.3 | 1433.9 |
| 20°   | 685.7  | 706.5  | 791.8  | 881.6  | 913.3  |
| 22.5° | 277.5  | 323.8  | 410.9  | 471.6  | 512.4  |
| 25°   | 121.5  | 136.0  | 190.5  | 224.0  | 224.9  |
| 27.5° | 68.9   | 69.8   | 91.6   | 95.2   | 97.0   |
| 30°   | 39.9   | 40.8   | 44.4   | 47.2   | 49.9   |
| 32.5° | 21.8   | 23.6   | 24.5   | 28.1   | 28.1   |
| 35°   | 10.9   | 13.6   | 13.6   | 16.3   | 14.5   |
| 37.5° | 6.3    | 7.3    | 8.2    | 8.2    | 7.3    |
| 40°   | 2.7    | 3.6    | 4.5    | 4.5    | 3.6    |
| 42.5° | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    |
| 45°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 47.5° | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 50°   | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 52.5° | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 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)