

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: P1312554

Luminaire Tested: LDSQA3D13R309050DE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312554  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-76)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309050DE010 3LSQCA45R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

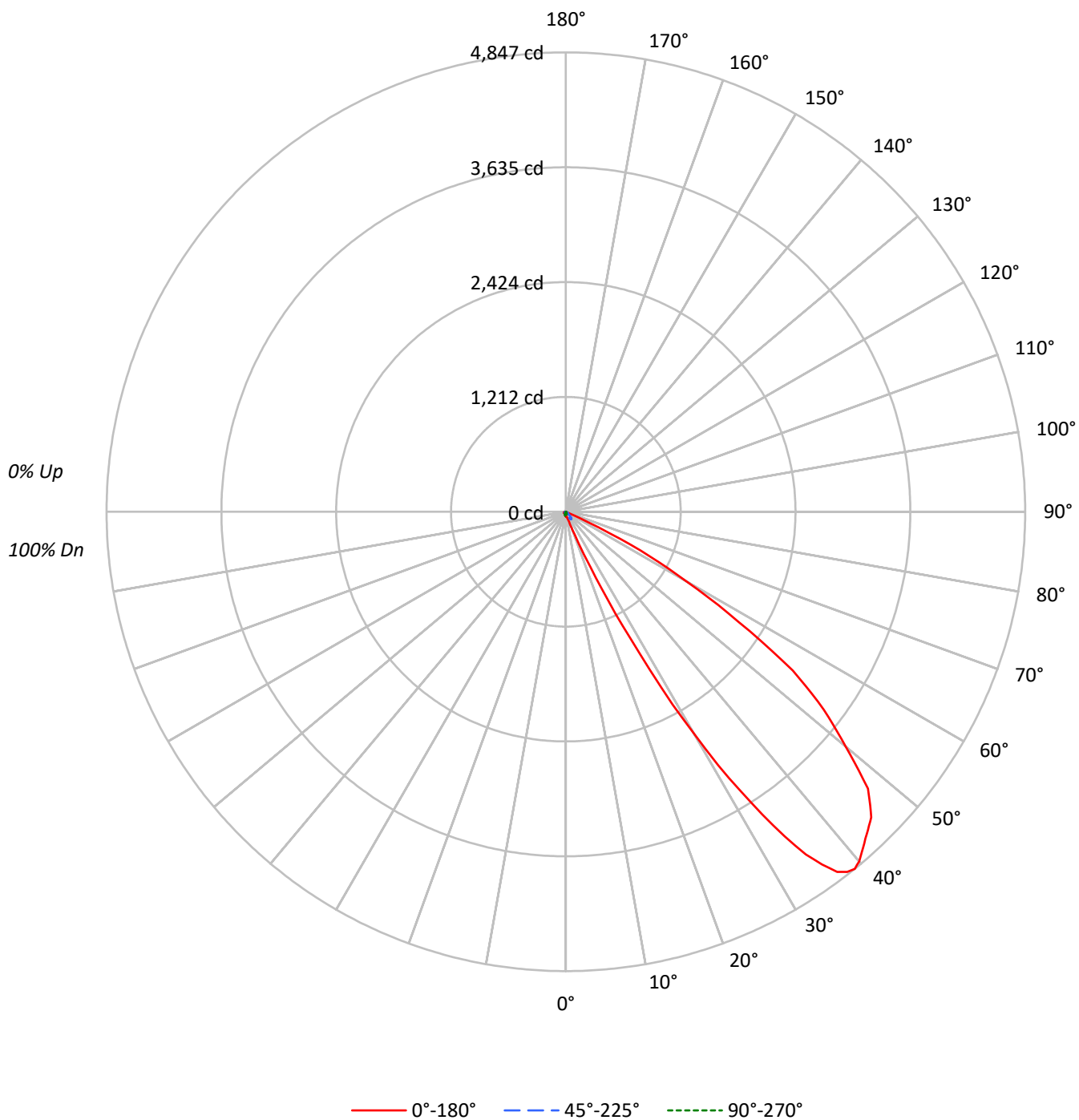
Lumens per Lamp: N/A  
Luminaire Lumens: 1260.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 4.07 / 0.66 / 1.44  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 |    |    |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 6   |     |     |     |     |    |    |

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.4    | 0.4       |
| 10°-20°   | 12.7   | 1.0       |
| 20°-30°   | 72.7   | 5.8       |
| 30°-40°   | 339.4  | 26.9      |
| 40°-50°   | 479.9  | 38.1      |
| 50°-60°   | 295.3  | 23.4      |
| 60°-70°   | 45.0   | 3.6       |
| 70°-80°   | 7.1    | 0.6       |
| 80°-90°   | 3.6    | 0.3       |
| 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°    | 89.8   | 7.1       |
| 0°-40°    | 429.2  | 34.1      |
| 0°-60°    | 1204.4 | 95.6      |
| 0°-90°    | 1260.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1260.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|  | 0° | 45° | 90° | 135 |
|--|----|-----|-----|-----|
|--|----|-----|-----|-----|

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°  | 20°  | 22.5° | 45°  | 67.5° | 90°  | 112.5° | 135° |
|-------|-------|-------|-------|------|------|-------|------|-------|------|--------|------|
| 0°    | 48.8  | 48.8  | 48.8  | 48.8 | 48.8 | 48.8  | 48.8 | 48.8  | 48.8 | 48.8   | 48.8 |
| 2.5°  | 49.9  | 49.9  | 50.9  | 50.9 | 49.9 | 50.9  | 50.9 | 50.9  | 48.8 | 47.8   | 45.6 |
| 5°    | 52.0  | 52.0  | 52.0  | 53.1 | 52.0 | 52.0  | 50.9 | 49.9  | 47.8 | 44.6   | 43.5 |
| 7.5°  | 54.1  | 54.1  | 53.1  | 54.1 | 53.1 | 53.1  | 50.9 | 48.8  | 45.6 | 42.5   | 40.3 |
| 10°   | 56.3  | 56.3  | 55.2  | 55.2 | 54.1 | 54.1  | 49.9 | 46.7  | 41.4 | 38.2   | 37.1 |
| 12.5° | 62.6  | 62.6  | 61.6  | 60.5 | 58.4 | 57.3  | 48.8 | 43.5  | 37.1 | 34.0   | 32.9 |
| 15°   | 80.7  | 79.6  | 77.5  | 74.3 | 69.0 | 67.9  | 48.8 | 40.3  | 34.0 | 30.8   | 30.8 |
| 17.5° | 110.4 | 109.3 | 106.1 | 97.6 | 88.1 | 84.9  | 48.8 | 36.1  | 29.7 | 27.6   |      |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° |
|-------|-----|-----|-----|-----|-----|-------|-----|-------|-----|--------|------|
| 82.5° | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0   | 1.1 | 3.2   | 4.2 | 4.2    | 6.4  |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 1.1 | 3.2   | 4.2 | 3.2    | 4.2  |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 1.1 | 3.2   | 3.2 | 3.2    | 2.1  |
| 90°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  |

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**CANDELA DISTRIBUTION (continued):**

|       | 157.5° | 180° |
|-------|--------|------|
| 0°    | 48.8   | 48.8 |
| 2.5°  | 45.6   | 45.6 |
| 5°    | 42.5   | 42.5 |
| 7.5°  | 39.3   | 39.3 |
| 10°   | 36.1   | 36.1 |
| 12.5° | 34.0   | 34.0 |
| 15°   | 30.8   | 31.8 |
| 17.5° | 28.7   | 29.7 |
| 20°   | 27.6   | 28.7 |
| 21°   | 27.6   | 28.7 |
| 22°   | 26.5   | 27.6 |
| 23°   | 26.5   | 27.6 |
| 24°   | 25.5   | 26.5 |
| 25°   | 24.4   | 25.5 |
| 26°   | 24.4   | 25.5 |
| 27°   | 24.4   | 25.5 |
| 28°   | 23.4   | 25.5 |
| 29°   | 23.4   | 24.4 |
| 30°   | 23.4   | 24.4 |
| 31°   | 22.3   | 24.4 |
| 32°   | 22.3   | 24.4 |
| 33°   | 22.3   | 23.4 |
| 34°   | 21.2   | 23.4 |
| 35°   | 21.2   | 23.4 |
| 36°   | 21.2   | 23.4 |
| 37°   | 21.2   | 22.3 |
| 38°   | 21.2   | 23.4 |
| 39°   | 21.2   | 22.3 |
| 40°   | 21.2   | 22.3 |
| 42.5° | 21.2   | 22.3 |
| 45°   | 21.2   | 22.3 |
| 47.5° | 21.2   | 23.4 |
| 50°   | 21.2   | 23.4 |
| 52.5° | 21.2   |      |

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**CANDELA DISTRIBUTION (continued):**

|       | 157.5° | 180° |
|-------|--------|------|
| 82.5° | 10.6   | 10.6 |
| 85°   | 7.4    | 8.5  |
| 87.5° | 4.2    | 4.2  |
| 90°   | 0.0    | 0.0  |

(END OF REPORT)