

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: P1309645

Luminaire Tested: LDSQA3D24R159030D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R159030D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

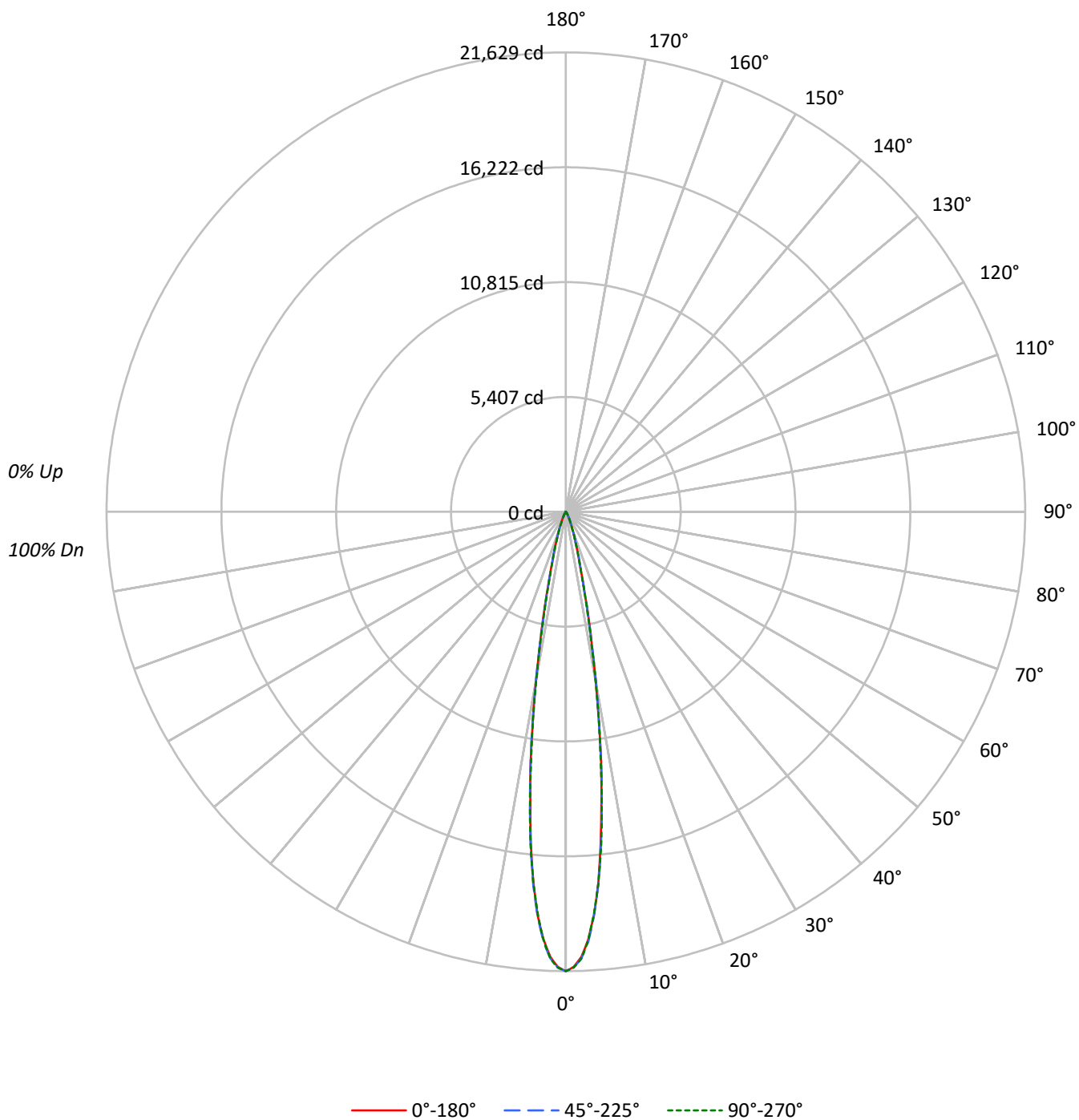
Lumens per Lamp: N/A  
Luminaire Lumens: 2414.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 3725072 | 3725072 | 3725072 |
| 5°  | 3032895 | 3042801 | 3036853 |
| 10° | 1414775 | 1427471 | 1409441 |
| 15° | 444265  | 448009  | 445299  |
| 20° | 176018  | 183019  | 170428  |
| 25° | 71108   | 85987   | 68581   |
| 30° | 28478   | 39117   | 26966   |
| 35° | 8431    | 17261   | 8031    |
| 40° | 2585    | 6430    | 2136    |
| 45° | 463     | 1388    | 463     |
| 50° | 0       | 509     | 0       |
| 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: 45°

Vertical Angle: 45°

Luminance: 1388 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1354.2 | 56.1      |
| 10°-20°   | 809.9  | 33.6      |
| 20°-30°   | 204.3  | 8.5       |
| 30°-40°   | 41.7   | 1.7       |
| 40°-50°   | 3.9    | 0.2       |
| 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       |
| 0°-30°    | 2368.4 | 98.1      |
| 0°-40°    | 2410.1 | 99.8      |
| 0°-60°    | 2414.0 | 100.0     |
| 0°-90°    | 2414.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2414.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 21629 | 21629 | 21629 | 21629 | 21629 |      |
| 5°  | 17543 | 17511 | 17601 | 17557 | 17566 | 1350 |
| 15° | 2492  | 2513  | 2513  | 2476  | 2498  | 810  |
| 25° | 374   | 409   | 452   | 401   | 361   | 192  |
| 35° | 40    | 54    | 82    | 52    | 38    | 33   |
| 45° | 2     | 4     | 6     | 4     | 2     | 2    |
| 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°    | 21629.4 | 21629.4 | 21629.4 | 21629.4 | 21629.4 |
| 1°    | 21434.6 | 21507.2 | 21469.0 | 21499.5 | 21465.1 |
| 2°    | 20970.6 | 21068.0 | 21037.4 | 21027.9 | 21054.6 |
| 3°    | 20153.4 | 20266.1 | 20262.2 | 20233.6 | 20187.8 |
| 4°    | 19038.3 | 18992.5 | 19063.2 | 19055.5 | 18977.2 |
| 5°    | 17543.3 | 17510.8 | 17600.6 | 17556.7 | 17566.2 |
| 6°    | 15714.1 | 15855.4 | 15824.9 | 15828.7 | 15865.0 |
| 7°    | 13749.4 | 13825.8 | 13890.7 | 13944.1 | 13869.7 |
| 8°    | 11945.0 | 11925.9 | 11931.7 | 11992.8 | 11786.5 |
| 9°    | 9924.9  | 10043.3 | 9966.9  | 9844.7  | 9923.0  |
| 10°   | 8090.0  | 8162.6  | 8162.6  | 8055.6  | 8059.5  |
| 11°   | 6449.9  | 6509.0  | 6467.0  | 6493.8  | 6325.7  |
| 12°   | 5199.2  | 5052.2  | 5017.8  | 5044.6  | 5042.6  |
| 13°   | 3969.6  | 3979.1  | 3969.6  | 3967.7  | 3948.6  |
| 14°   | 3112.3  | 3161.9  | 3140.9  | 3089.4  | 3066.4  |
| 15°   | 2491.7  | 2512.7  | 2512.7  | 2476.5  | 2497.5  |
| 17.5° | 1496.9  | 1521.8  | 1527.5  | 1502.7  | 1502.7  |
| 20°   | 960.4   | 971.9   | 998.6   | 962.3   | 929.9   |
| 22.5° | 591.9   | 616.7   | 662.6   | 609.1   | 582.4   |
| 25°   | 374.2   | 408.6   | 452.5   | 401.0   | 360.9   |
| 27.5° | 234.9   | 263.5   | 301.7   | 252.0   | 227.2   |
| 30°   | 143.2   | 162.3   | 196.7   | 158.5   | 135.6   |
| 32.5° | 80.2    | 95.5    | 124.1   | 91.6    | 76.4    |
| 35°   | 40.1    | 53.5    | 82.1    | 51.6    | 38.2    |
| 37.5° | 22.9    | 28.6    | 51.6    | 24.8    | 21.0    |
| 40°   | 11.5    | 15.3    | 28.6    | 15.3    | 9.5     |
| 42.5° | 3.8     | 7.6     | 11.5    | 7.6     | 3.8     |
| 45°   | 1.9     | 3.8     | 5.7     | 3.8     | 1.9     |
| 47.5° | 0.0     | 0.0     | 1.9     | 0.0     | 0.0     |
| 50°   | 0.0     | 0.0     | 1.9     | 0.0     | 0.0     |
| 52.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 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)