

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: P1307174

Luminaire Tested: LDSQA3D13R359024DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307174  
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: LDSQA3D13R359024DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

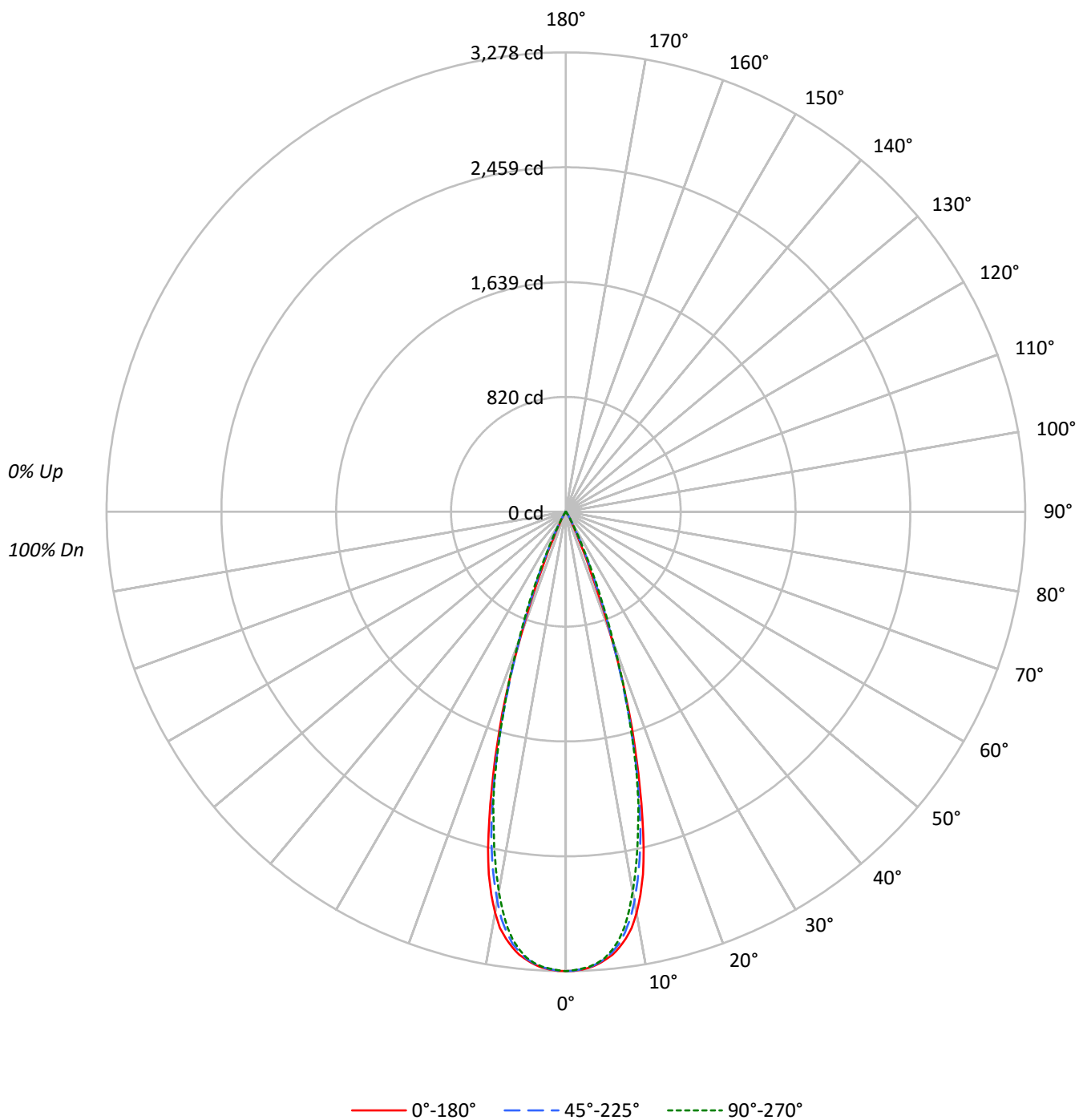
Lumens per Lamp: N/A  
Luminaire Lumens: 995.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 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  | 86 | 85 |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 84 | 82 |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 81 | 80 |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 79  | 78 | 77 |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  | 84  | 81  | 79  | 83  | 80  | 78  | 76  | 75 | 74 |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  | 82  | 79  | 76  | 81  | 78  | 76  | 74  | 73 | 72 |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 73  | 72 | 71 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 564580 | 564580 | 564580 |
| 5°  | 554877 | 553702 | 552509 |
| 10° | 508532 | 493247 | 481268 |
| 15° | 364138 | 352531 | 348252 |
| 20° | 168852 | 174662 | 180801 |
| 25° | 40058  | 57008  | 59440  |
| 30° | 11753  | 13463  | 15173  |
| 35° | 2712   | 4331   | 3974   |
| 40° | 585    | 1147   | 764    |
| 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°    | 294.3  | 29.6      |
| 10°-20°   | 526.1  | 52.9      |
| 20°-30°   | 158.3  | 15.9      |
| 30°-40°   | 15.1   | 1.5       |
| 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°    | 978.8  | 98.4      |
| 0°-40°    | 993.9  | 99.9      |
| 0°-60°    | 995.0  | 100.0     |
| 0°-90°    | 995.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 995.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3278 | 3278  | 3278 | 3278  | 3278 |      |
| 5°  | 3210 | 3209  | 3203 | 3198  | 3196 | 298  |
| 15° | 2042 | 2027  | 1977 | 1969  | 1953 | 539  |
| 25° | 211  | 232   | 300  | 313   | 313  | 136  |
| 35° | 13   | 17    | 21   | 22    | 19   | 12   |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3278.2 | 3278.2 | 3278.2 | 3278.2 | 3278.2 |
| 1°    | 3276.5 | 3276.5 | 3274.8 | 3274.8 | 3271.3 |
| 2°    | 3268.8 | 3269.6 | 3266.2 | 3265.3 | 3262.8 |
| 3°    | 3256.8 | 3254.2 | 3254.2 | 3252.5 | 3250.8 |
| 4°    | 3237.9 | 3232.8 | 3231.0 | 3231.9 | 3228.5 |
| 5°    | 3209.6 | 3208.8 | 3202.8 | 3198.5 | 3195.9 |
| 6°    | 3178.8 | 3172.8 | 3159.9 | 3148.8 | 3146.2 |
| 7°    | 3132.5 | 3119.6 | 3108.5 | 3085.3 | 3081.9 |
| 8°    | 3075.9 | 3055.4 | 3031.4 | 2998.8 | 2997.1 |
| 9°    | 3006.5 | 2973.1 | 2939.6 | 2895.9 | 2880.5 |
| 10°   | 2907.9 | 2877.1 | 2820.5 | 2782.0 | 2752.0 |
| 11°   | 2785.4 | 2746.8 | 2680.8 | 2634.5 | 2609.7 |
| 12°   | 2646.5 | 2610.5 | 2533.4 | 2491.4 | 2456.3 |
| 13°   | 2468.3 | 2438.3 | 2366.3 | 2320.0 | 2292.6 |
| 14°   | 2261.7 | 2239.4 | 2170.9 | 2150.3 | 2140.9 |
| 15°   | 2042.3 | 2026.9 | 1977.2 | 1968.6 | 1953.2 |
| 17.5° | 1503.2 | 1477.5 | 1449.3 | 1454.4 | 1459.5 |
| 20°   | 921.3  | 957.3  | 953.0  | 971.9  | 986.5  |
| 22.5° | 459.4  | 505.7  | 559.6  | 592.2  | 608.5  |
| 25°   | 210.8  | 232.3  | 300.0  | 312.8  | 312.8  |
| 27.5° | 106.3  | 111.4  | 141.4  | 144.0  | 150.8  |
| 30°   | 59.1   | 63.4   | 67.7   | 75.4   | 76.3   |
| 32.5° | 30.0   | 35.1   | 36.9   | 41.1   | 39.4   |
| 35°   | 12.9   | 17.1   | 20.6   | 22.3   | 18.9   |
| 37.5° | 6.0    | 7.7    | 11.1   | 10.3   | 7.7    |
| 40°   | 2.6    | 3.4    | 5.1    | 4.3    | 3.4    |
| 42.5° | 1.7    | 1.7    | 2.6    | 1.7    | 1.7    |
| 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)