

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: P1309279

Luminaire Tested: LDSQA3D13R409030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R409030DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

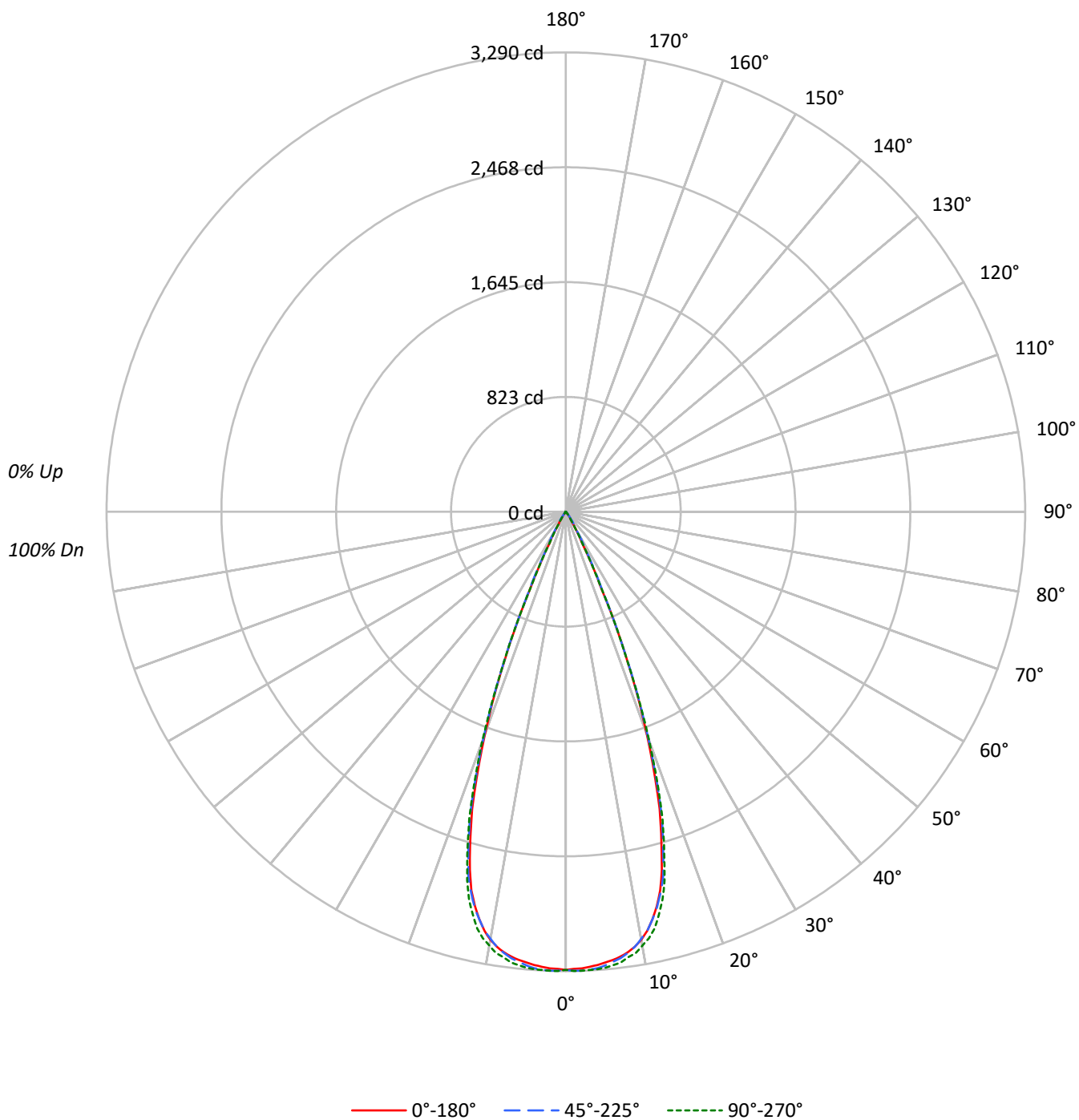
Lumens per Lamp: N/A  
Luminaire Lumens: 1380.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |     |     | 0   |
| 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   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 94  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 90  | 90  | 89  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 88  | 87  | 87  | 87  | 85  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83  | 82  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 80  | 80  | 79  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 78  | 82  | 80  | 77  | 77  | 77  | 76  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 75  | 75  | 73  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 77  | 74  | 72  | 72  | 72  | 71  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  | 76  | 72  | 70  | 75  | 72  | 70  | 70  | 70  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 565183 | 565183 | 565183 |
| 5°  | 560288 | 563815 | 566495 |
| 10° | 544330 | 543315 | 551797 |
| 15° | 473542 | 481155 | 487057 |
| 20° | 310780 | 316847 | 320934 |
| 25° | 110805 | 117265 | 110234 |
| 30° | 24162  | 32654  | 24341  |
| 35° | 7758   | 13477  | 7569   |
| 40° | 2406   | 4159   | 2181   |
| 45° | 244    | 1413   | 244    |
| 50° | 0      | 268    | 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: 1413 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 306.9  | 22.2      |
| 10°-20°   | 714.7  | 51.8      |
| 20°-30°   | 320.5  | 23.2      |
| 30°-40°   | 34.6   | 2.5       |
| 40°-50°   | 3.2    | 0.2       |
| 50°-60°   | 0.0    | 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°    | 1342.1 | 97.3      |
| 0°-40°    | 1376.8 | 99.8      |
| 0°-60°    | 1380.0 | 100.0     |
| 0°-90°    | 1380.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1380.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3282 | 3282  | 3282 | 3282  | 3282 |      |
| 5°  | 3241 | 3250  | 3261 | 3266  | 3277 | 306  |
| 15° | 2656 | 2675  | 2699 | 2714  | 2732 | 706  |
| 25° | 583  | 601   | 617  | 628   | 580  | 311  |
| 35° | 37   | 43    | 64   | 42    | 36   | 29   |
| 45° | 1    | 2     | 6    | 2     | 1    | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3281.7 | 3281.7 | 3281.7 | 3281.7 | 3281.7 |
| 1°    | 3274.9 | 3281.7 | 3287.5 | 3282.6 | 3289.5 |
| 2°    | 3272.0 | 3279.7 | 3288.5 | 3283.6 | 3289.5 |
| 3°    | 3264.2 | 3273.9 | 3283.6 | 3280.7 | 3286.5 |
| 4°    | 3253.5 | 3261.3 | 3275.8 | 3275.8 | 3284.6 |
| 5°    | 3240.9 | 3249.6 | 3261.3 | 3266.1 | 3276.8 |
| 6°    | 3227.3 | 3232.1 | 3240.9 | 3250.6 | 3265.2 |
| 7°    | 3209.8 | 3209.8 | 3220.5 | 3230.2 | 3249.6 |
| 8°    | 3185.5 | 3183.5 | 3191.3 | 3203.9 | 3221.4 |
| 9°    | 3155.3 | 3148.5 | 3154.4 | 3172.8 | 3199.1 |
| 10°   | 3112.6 | 3106.8 | 3106.8 | 3130.1 | 3155.3 |
| 11°   | 3057.2 | 3055.3 | 3056.2 | 3078.6 | 3112.6 |
| 12°   | 2982.4 | 2984.3 | 2984.3 | 3009.6 | 3051.4 |
| 13°   | 2897.8 | 2896.9 | 2905.6 | 2933.8 | 2962.0 |
| 14°   | 2794.8 | 2800.6 | 2809.4 | 2834.7 | 2863.8 |
| 15°   | 2655.9 | 2675.3 | 2698.6 | 2714.2 | 2731.7 |
| 17.5° | 2233.1 | 2252.6 | 2284.6 | 2297.3 | 2301.2 |
| 20°   | 1695.7 | 1723.9 | 1728.8 | 1754.1 | 1751.1 |
| 22.5° | 1137.0 | 1135.0 | 1138.9 | 1141.8 | 1142.8 |
| 25°   | 583.1  | 600.6  | 617.1  | 627.8  | 580.1  |
| 27.5° | 253.6  | 283.8  | 305.1  | 277.0  | 256.5  |
| 30°   | 121.5  | 138.0  | 164.2  | 139.0  | 122.4  |
| 32.5° | 66.1   | 76.8   | 104.0  | 75.8   | 65.1   |
| 35°   | 36.9   | 42.8   | 64.1   | 41.8   | 36.0   |
| 37.5° | 21.4   | 23.3   | 35.0   | 23.3   | 20.4   |
| 40°   | 10.7   | 13.6   | 18.5   | 13.6   | 9.7    |
| 42.5° | 3.9    | 6.8    | 9.7    | 6.8    | 3.9    |
| 45°   | 1.0    | 1.9    | 5.8    | 1.9    | 1.0    |
| 47.5° | 0.0    | 0.0    | 2.9    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.0    | 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)