

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: P1320124

Luminaire Tested: LDSQA3D13R359840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359840DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

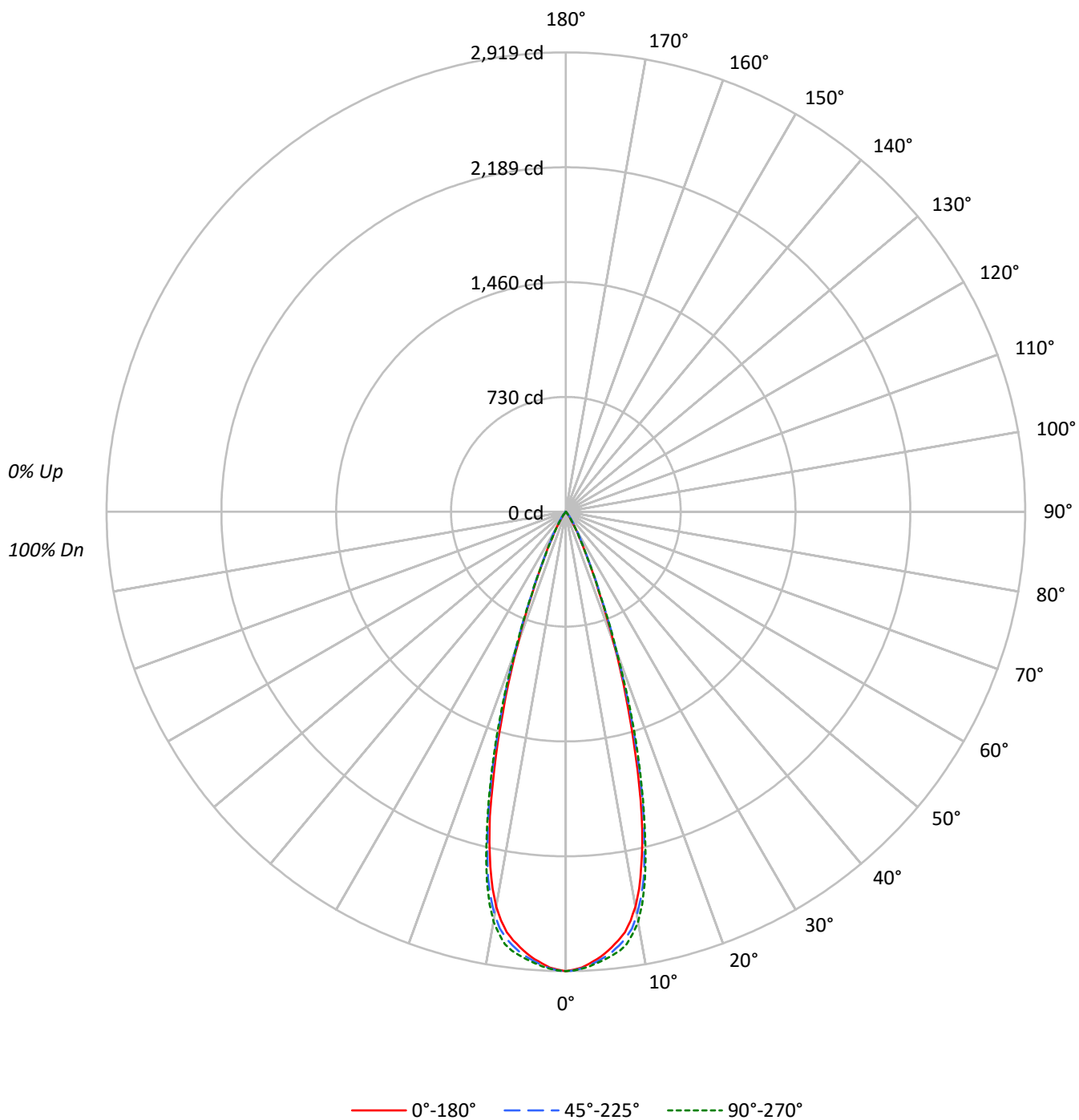
Lumens per Lamp: N/A  
Luminaire Lumens: 972.0 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  |  | 100 | 98  | 96  |  | 97  |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 94  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 88  |  | 92  |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  |  | 88  | 84  | 82  |  | 86  |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  |  | 85  | 82  | 79  |  | 84  |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 81  |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  |  | 78  | 74  | 72  |  | 77  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 502770 | 502770 | 502770 |
| 5°  | 487523 | 490981 | 493643 |
| 10° | 445505 | 454931 | 462731 |
| 15° | 320384 | 334380 | 337126 |
| 20° | 163115 | 171289 | 171711 |
| 25° | 61892  | 63203  | 61436  |
| 30° | 24043  | 27861  | 23426  |
| 35° | 8263   | 12951  | 7779   |
| 40° | 2765   | 5014   | 2585   |
| 45° | 195    | 1681   | 195    |
| 50° | 0      | 214    | 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: 1681 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 264.3  | 27.2      |
| 10°-20°   | 492.4  | 50.7      |
| 20°-30°   | 177.0  | 18.2      |
| 30°-40°   | 34.5   | 3.6       |
| 40°-50°   | 3.8    | 0.4       |
| 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°    | 933.6  | 96.0      |
| 0°-40°    | 968.1  | 99.6      |
| 0°-60°    | 972.0  | 100.0     |
| 0°-90°    | 972.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 972.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2919 | 2919  | 2919 | 2919  | 2919 |      |
| 5°  | 2820 | 2828  | 2840 | 2853  | 2855 | 261  |
| 15° | 1797 | 1827  | 1875 | 1888  | 1891 | 477  |
| 25° | 326  | 329   | 333  | 330   | 323  | 171  |
| 35° | 39   | 45    | 62   | 45    | 37   | 29   |
| 45° | 1    | 2     | 7    | 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°    | 2919.3 | 2919.3 | 2919.3 | 2919.3 | 2919.3 |
| 1°    | 2910.9 | 2914.7 | 2915.5 | 2920.9 | 2914.7 |
| 2°    | 2898.5 | 2900.9 | 2903.9 | 2908.6 | 2905.5 |
| 3°    | 2874.7 | 2879.3 | 2886.2 | 2892.4 | 2892.4 |
| 4°    | 2849.3 | 2855.4 | 2863.9 | 2874.7 | 2873.9 |
| 5°    | 2820.0 | 2827.7 | 2840.0 | 2853.1 | 2855.4 |
| 6°    | 2783.1 | 2792.3 | 2812.3 | 2830.8 | 2833.9 |
| 7°    | 2743.8 | 2757.7 | 2776.9 | 2803.9 | 2810.8 |
| 8°    | 2697.6 | 2708.4 | 2736.1 | 2767.7 | 2775.4 |
| 9°    | 2629.9 | 2646.0 | 2681.4 | 2710.7 | 2715.3 |
| 10°   | 2547.5 | 2559.0 | 2601.4 | 2632.2 | 2646.0 |
| 11°   | 2441.2 | 2458.2 | 2499.8 | 2531.3 | 2540.6 |
| 12°   | 2305.8 | 2330.4 | 2378.9 | 2402.0 | 2409.7 |
| 13°   | 2159.5 | 2180.3 | 2218.0 | 2246.5 | 2252.6 |
| 14°   | 1994.7 | 2014.7 | 2054.0 | 2077.1 | 2071.7 |
| 15°   | 1796.9 | 1826.9 | 1875.4 | 1888.5 | 1890.8 |
| 17.5° | 1327.3 | 1346.5 | 1389.6 | 1410.4 | 1425.0 |
| 20°   | 890.0  | 908.4  | 934.6  | 948.5  | 936.9  |
| 22.5° | 541.2  | 556.6  | 570.5  | 569.7  | 565.9  |
| 25°   | 325.7  | 328.7  | 332.6  | 330.3  | 323.3  |
| 27.5° | 190.2  | 198.6  | 210.2  | 202.5  | 190.9  |
| 30°   | 120.9  | 127.8  | 140.1  | 127.0  | 117.8  |
| 32.5° | 63.9   | 80.8   | 93.9   | 76.2   | 67.0   |
| 35°   | 39.3   | 44.7   | 61.6   | 45.4   | 37.0   |
| 37.5° | 23.9   | 27.7   | 38.5   | 26.9   | 21.6   |
| 40°   | 12.3   | 17.7   | 22.3   | 16.2   | 11.5   |
| 42.5° | 3.8    | 8.5    | 12.3   | 7.7    | 3.8    |
| 45°   | 0.8    | 2.3    | 6.9    | 2.3    | 0.8    |
| 47.5° | 0.0    | 0.0    | 3.1    | 0.8    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.8    | 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)