

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: P1315485

Luminaire Tested: LDSQA3D09R409735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315485  
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: LDSQA3D09R409735DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

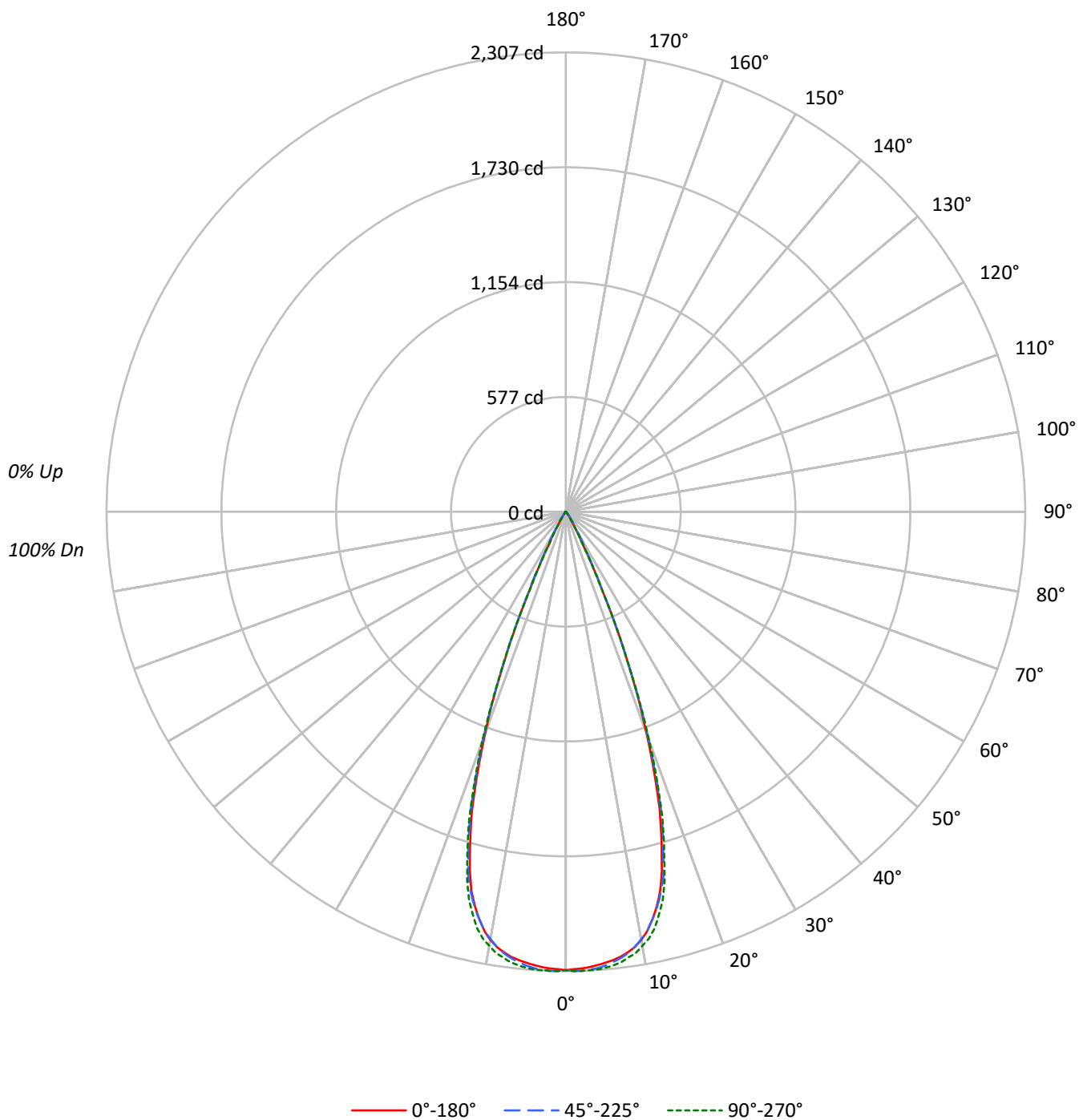
Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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   | 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°  | 396439 | 396439 | 396439 |
| 5°  | 393009 | 395481 | 397366 |
| 10° | 381814 | 381097 | 387061 |
| 15° | 332151 | 337500 | 341637 |
| 20° | 218006 | 222258 | 225117 |
| 25° | 77721  | 82244  | 77322  |
| 30° | 16943  | 22909  | 17083  |
| 35° | 5445   | 9461   | 5298   |
| 40° | 1686   | 2923   | 1529   |
| 45° | 170    | 999    | 170    |
| 50° | 0      | 188    | 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: 999 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 215.3  | 22.2      |
| 10°-20°   | 501.3  | 51.8      |
| 20°-30°   | 224.8  | 23.2      |
| 30°-40°   | 24.3   | 2.5       |
| 40°-50°   | 2.3    | 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       |
| 0°-30°    | 941.4  | 97.3      |
| 0°-40°    | 965.7  | 99.8      |
| 0°-60°    | 968.0  | 100.0     |
| 0°-90°    | 968.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 968.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2302 | 2302  | 2302 | 2302  | 2302 |      |
| 5°  | 2273 | 2279  | 2288 | 2291  | 2298 | 214  |
| 15° | 1863 | 1877  | 1893 | 1904  | 1916 | 495  |
| 25° | 409  | 421   | 433  | 440   | 407  | 218  |
| 35° | 26   | 30    | 45   | 29    | 25   | 20   |
| 45° | 1    | 1     | 4    | 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°    | 2301.9 | 2301.9 | 2301.9 | 2301.9 | 2301.9 |
| 1°    | 2297.2 | 2301.9 | 2306.0 | 2302.6 | 2307.4 |
| 2°    | 2295.1 | 2300.6 | 2306.7 | 2303.3 | 2307.4 |
| 3°    | 2289.7 | 2296.5 | 2303.3 | 2301.2 | 2305.3 |
| 4°    | 2282.2 | 2287.6 | 2297.8 | 2297.8 | 2304.0 |
| 5°    | 2273.3 | 2279.4 | 2287.6 | 2291.0 | 2298.5 |
| 6°    | 2263.8 | 2267.2 | 2273.3 | 2280.1 | 2290.3 |
| 7°    | 2251.5 | 2251.5 | 2259.0 | 2265.8 | 2279.4 |
| 8°    | 2234.4 | 2233.1 | 2238.5 | 2247.4 | 2259.7 |
| 9°    | 2213.3 | 2208.5 | 2212.6 | 2225.6 | 2244.0 |
| 10°   | 2183.3 | 2179.2 | 2179.2 | 2195.6 | 2213.3 |
| 11°   | 2144.5 | 2143.1 | 2143.8 | 2159.5 | 2183.3 |
| 12°   | 2092.0 | 2093.3 | 2093.3 | 2111.1 | 2140.4 |
| 13°   | 2032.7 | 2032.0 | 2038.1 | 2057.9 | 2077.7 |
| 14°   | 1960.4 | 1964.5 | 1970.6 | 1988.4 | 2008.8 |
| 15°   | 1862.9 | 1876.6 | 1892.9 | 1903.8 | 1916.1 |
| 17.5° | 1566.4 | 1580.1 | 1602.6 | 1611.4 | 1614.1 |
| 20°   | 1189.5 | 1209.2 | 1212.7 | 1230.4 | 1228.3 |
| 22.5° | 797.5  | 796.2  | 798.9  | 800.9  | 801.6  |
| 25°   | 409.0  | 421.3  | 432.8  | 440.3  | 406.9  |
| 27.5° | 177.9  | 199.0  | 214.0  | 194.3  | 180.0  |
| 30°   | 85.2   | 96.8   | 115.2  | 97.5   | 85.9   |
| 32.5° | 46.4   | 53.9   | 72.9   | 53.2   | 45.7   |
| 35°   | 25.9   | 30.0   | 45.0   | 29.3   | 25.2   |
| 37.5° | 15.0   | 16.4   | 24.5   | 16.4   | 14.3   |
| 40°   | 7.5    | 9.5    | 13.0   | 9.5    | 6.8    |
| 42.5° | 2.7    | 4.8    | 6.8    | 4.8    | 2.7    |
| 45°   | 0.7    | 1.4    | 4.1    | 1.4    | 0.7    |
| 47.5° | 0.0    | 0.0    | 2.0    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.7    | 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)