

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: P1316270

Luminaire Tested: LDSQA3D05R309740DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309740DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

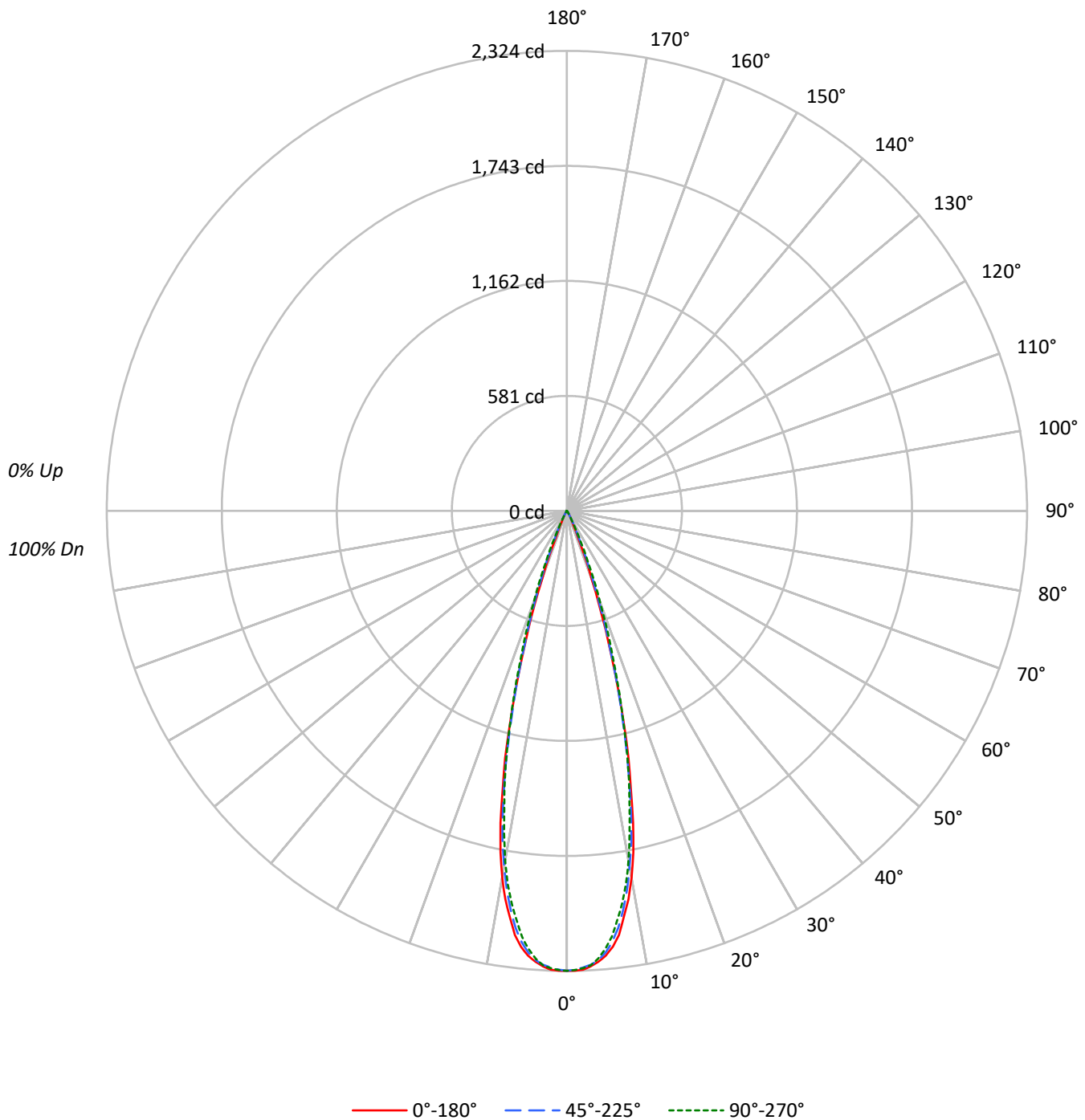
Lumens per Lamp: N/A  
Luminaire Lumens: 563.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 400159 | 400159 | 400159 |
| 5°  | 389863 | 387183 | 383985 |
| 10° | 329001 | 318910 | 313734 |
| 15° | 198267 | 192722 | 196270 |
| 20° | 67244  | 77654  | 89585  |
| 25° | 12352  | 19364  | 22879  |
| 30° | 4256   | 4733   | 5310   |
| 35° | 1219   | 1535   | 1640   |
| 40° | 337    | 540    | 427    |
| 45° | 122    | 122    | 122    |
| 50° | 134    | 0      | 134    |
| 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: 141 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 200.9  | 35.7      |
| 10°-20°   | 293.6  | 52.2      |
| 20°-30°   | 62.1   | 11.0      |
| 30°-40°   | 5.7    | 1.0       |
| 40°-50°   | 0.6    | 0.1       |
| 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°    | 556.7  | 98.9      |
| 0°-40°    | 562.4  | 99.9      |
| 0°-60°    | 563.0  | 100.0     |
| 0°-90°    | 563.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 563.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2324 | 2324  | 2324 | 2324  | 2324 |      |
| 5°  | 2255 | 2251  | 2240 | 2233  | 2221 | 204  |
| 15° | 1112 | 1108  | 1081 | 1106  | 1101 | 293  |
| 25° | 65   | 73    | 102  | 120   | 120  | 47   |
| 35° | 6    | 7     | 7    | 9     | 8    | 5    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 2323.5 | 2323.5 | 2323.5 | 2323.5 | 2323.5 |
| 1°    | 2324.0 | 2321.6 | 2318.2 | 2323.0 | 2319.6 |
| 2°    | 2319.2 | 2313.3 | 2308.5 | 2313.3 | 2311.9 |
| 3°    | 2304.6 | 2299.7 | 2296.3 | 2298.8 | 2298.8 |
| 4°    | 2282.8 | 2277.4 | 2274.5 | 2275.0 | 2267.7 |
| 5°    | 2255.1 | 2250.7 | 2239.6 | 2232.8 | 2221.1 |
| 6°    | 2214.3 | 2203.6 | 2190.0 | 2178.9 | 2163.8 |
| 7°    | 2159.0 | 2142.5 | 2123.1 | 2103.6 | 2084.7 |
| 8°    | 2070.2 | 2062.4 | 2036.2 | 2023.1 | 2004.1 |
| 9°    | 1986.7 | 1967.7 | 1939.6 | 1918.2 | 1908.0 |
| 10°   | 1881.3 | 1853.2 | 1823.6 | 1806.6 | 1794.0 |
| 11°   | 1756.6 | 1728.0 | 1704.2 | 1679.4 | 1660.0 |
| 12°   | 1610.0 | 1585.7 | 1558.6 | 1542.1 | 1519.2 |
| 13°   | 1436.2 | 1432.8 | 1402.3 | 1396.9 | 1394.0 |
| 14°   | 1287.2 | 1273.6 | 1243.5 | 1251.8 | 1253.7 |
| 15°   | 1112.0 | 1108.1 | 1080.9 | 1106.2 | 1100.8 |
| 17.5° | 696.5  | 698.0  | 715.0  | 754.8  | 767.4  |
| 20°   | 366.9  | 378.1  | 423.7  | 471.8  | 488.8  |
| 22.5° | 148.5  | 173.3  | 219.9  | 252.4  | 274.2  |
| 25°   | 65.0   | 72.8   | 101.9  | 119.9  | 120.4  |
| 27.5° | 36.9   | 37.4   | 49.0   | 51.0   | 51.9   |
| 30°   | 21.4   | 21.8   | 23.8   | 25.2   | 26.7   |
| 32.5° | 11.6   | 12.6   | 13.1   | 15.0   | 15.0   |
| 35°   | 5.8    | 7.3    | 7.3    | 8.7    | 7.8    |
| 37.5° | 3.4    | 3.9    | 4.4    | 4.4    | 3.9    |
| 40°   | 1.5    | 1.9    | 2.4    | 2.4    | 1.9    |
| 42.5° | 0.5    | 1.0    | 1.0    | 1.0    | 1.5    |
| 45°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 47.5° | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    |
| 50°   | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 52.5° | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 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)