

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: P1317192

Luminaire Tested: LDSQA3D05R309827DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309827DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

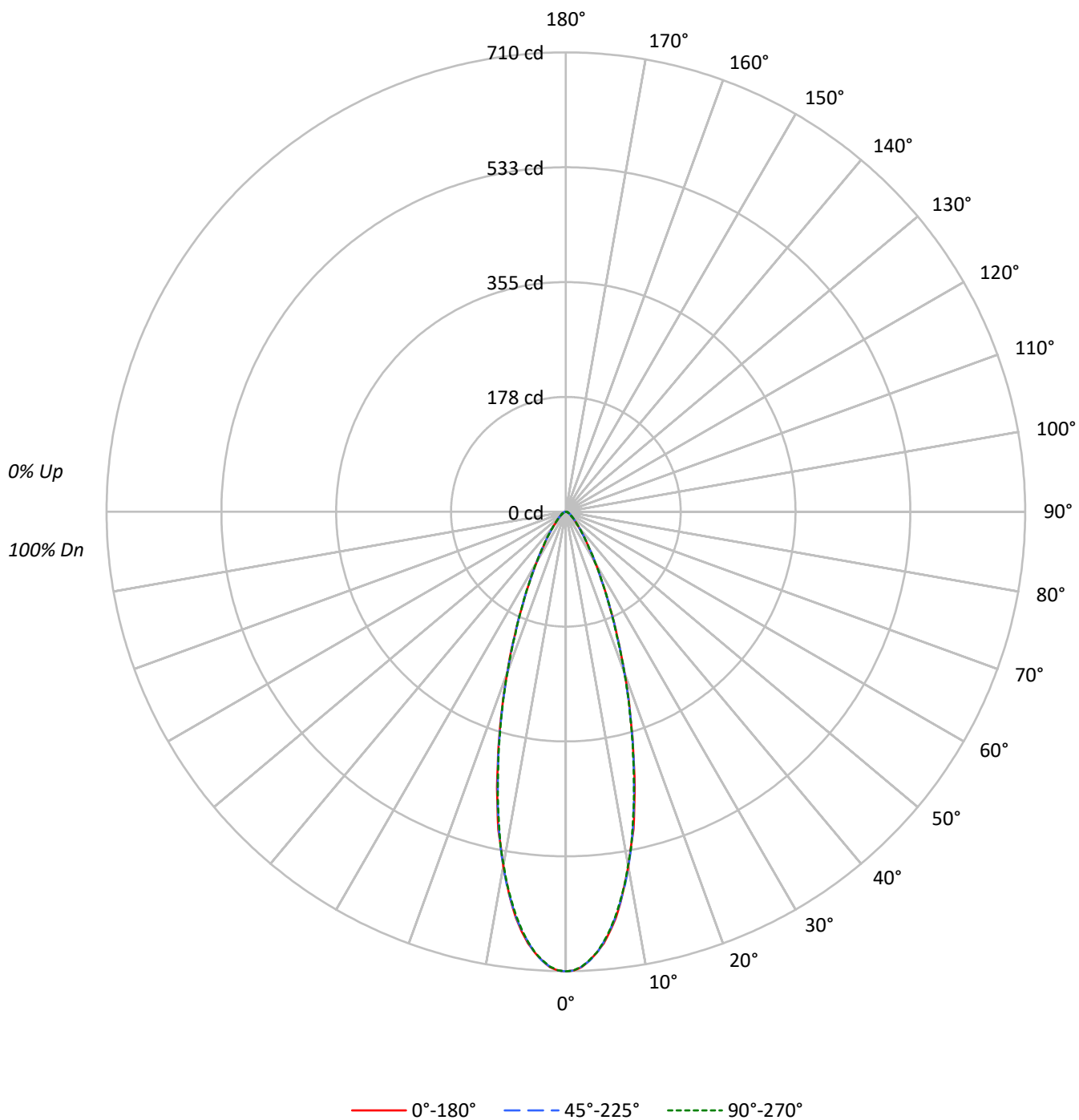
Lumens per Lamp: N/A  
Luminaire Lumens: 312.0 lumens  
Efficiency: N/A  
Efficacy: 43.3 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 96  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  |  | 82  | 79  | 76  |  | 81  |
| 6   | 91  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 122347 | 122347 | 122347 |
| 5°  | 115830 | 115536 | 115484 |
| 10° | 97320  | 97320  | 96953  |
| 15° | 72496  | 72318  | 71890  |
| 20° | 48531  | 48275  | 48330  |
| 25° | 29910  | 29853  | 29986  |
| 30° | 17977  | 17977  | 18057  |
| 35° | 11038  | 11038  | 11101  |
| 40° | 6992   | 6992   | 7149   |
| 45° | 4798   | 4871   | 4871   |
| 50° | 3510   | 3510   | 3510   |
| 55° | 2702   | 2792   | 2792   |
| 60° | 2273   | 2273   | 2377   |
| 65° | 1956   | 1956   | 1956   |
| 70° | 1762   | 1913   | 1913   |
| 75° | 1597   | 1597   | 1597   |
| 80° | 1389   | 1389   | 1389   |
| 85° | 593    | 593    | 593    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4871 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.2   | 19.3      |
| 10°-20°   | 111.2  | 35.6      |
| 20°-30°   | 73.9   | 23.7      |
| 30°-40°   | 34.2   | 11.0      |
| 40°-50°   | 15.9   | 5.1       |
| 50°-60°   | 8.5    | 2.7       |
| 60°-70°   | 4.9    | 1.6       |
| 70°-80°   | 2.6    | 0.8       |
| 80°-90°   | 0.5    | 0.2       |
| 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°    | 245.3  | 78.6      |
| 0°-40°    | 279.5  | 89.6      |
| 0°-60°    | 303.8  | 97.4      |
| 0°-90°    | 312.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 312.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 710 | 710   | 710 | 710   | 710 |      |
| 5°  | 670 | 669   | 668 | 670   | 668 | 60   |
| 15° | 407 | 408   | 406 | 406   | 403 | 112  |
| 25° | 157 | 157   | 157 | 157   | 158 | 74   |
| 35° | 52  | 52    | 52  | 53    | 53  | 34   |
| 45° | 20  | 20    | 20  | 20    | 20  | 16   |
| 55° | 9   | 9     | 9   | 9     | 9   | 8    |
| 65° | 5   | 5     | 5   | 5     | 5   | 5    |
| 75° | 2   | 2     | 2   | 2     | 2   | 3    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 710.4 | 710.4 | 710.4 | 710.4 | 710.4 |
| 1°    | 709.0 | 708.4 | 709.0 | 710.1 | 708.7 |
| 2°    | 704.2 | 703.5 | 703.5 | 704.9 | 703.5 |
| 3°    | 694.9 | 695.6 | 695.2 | 696.6 | 694.2 |
| 4°    | 683.2 | 682.8 | 684.2 | 684.9 | 682.8 |
| 5°    | 670.0 | 668.7 | 668.3 | 670.0 | 668.0 |
| 6°    | 652.1 | 651.1 | 650.4 | 652.4 | 649.7 |
| 7°    | 632.8 | 632.1 | 631.0 | 631.7 | 629.6 |
| 8°    | 608.9 | 608.6 | 607.9 | 608.6 | 606.2 |
| 9°    | 582.4 | 582.4 | 583.7 | 583.4 | 582.0 |
| 10°   | 556.5 | 557.2 | 556.5 | 557.2 | 554.4 |
| 11°   | 527.5 | 527.5 | 528.2 | 527.8 | 528.2 |
| 12°   | 502.3 | 499.5 | 498.8 | 498.1 | 496.1 |
| 13°   | 469.8 | 467.7 | 467.1 | 467.7 | 466.7 |
| 14°   | 440.1 | 438.8 | 435.3 | 436.0 | 434.6 |
| 15°   | 406.6 | 408.0 | 405.6 | 405.6 | 403.2 |
| 17.5° | 332.4 | 331.0 | 331.7 | 332.1 | 331.0 |
| 20°   | 264.8 | 264.1 | 263.4 | 262.7 | 263.7 |
| 22.5° | 205.7 | 206.1 | 205.4 | 204.7 | 204.0 |
| 25°   | 157.4 | 157.1 | 157.1 | 157.1 | 157.8 |
| 27.5° | 119.4 | 119.4 | 119.4 | 119.8 | 119.8 |
| 30°   | 90.4  | 89.8  | 90.4  | 90.8  | 90.8  |
| 32.5° | 67.7  | 68.3  | 68.7  | 68.7  | 68.7  |
| 35°   | 52.5  | 52.1  | 52.5  | 52.8  | 52.8  |
| 37.5° | 40.0  | 40.0  | 40.4  | 40.4  | 40.7  |
| 40°   | 31.1  | 31.1  | 31.1  | 31.4  | 31.8  |
| 42.5° | 24.5  | 24.5  | 24.9  | 24.9  | 25.2  |
| 45°   | 19.7  | 19.7  | 20.0  | 20.0  | 20.0  |
| 47.5° | 15.9  | 15.9  | 16.2  | 16.2  | 16.2  |
| 50°   | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  |
| 52.5° | 11.0  | 10.7  | 11.0  | 11.0  | 11.0  |
| 55°   | 9.0   | 9.3   | 9.3   | 9.3   | 9.3   |
| 57.5° | 7.6   | 7.9   | 7.9   | 7.9   | 7.9   |
| 60°   | 6.6   | 6.6   | 6.6   | 6.9   | 6.9   |
| 62.5° | 5.5   | 5.9   | 5.9   | 5.9   | 5.9   |
| 65°   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   |
| 67.5° | 4.1   | 4.1   | 4.1   | 4.1   | 4.5   |
| 70°   | 3.5   | 3.5   | 3.8   | 3.8   | 3.8   |
| 72.5° | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   |
| 75°   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   |
| 77.5° | 1.7   | 1.7   | 2.1   | 2.1   | 1.7   |
| 80°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 82.5° | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 85°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 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)