

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: P1315588

Luminaire Tested: LDSQA3D13R209735DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315588  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209735DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

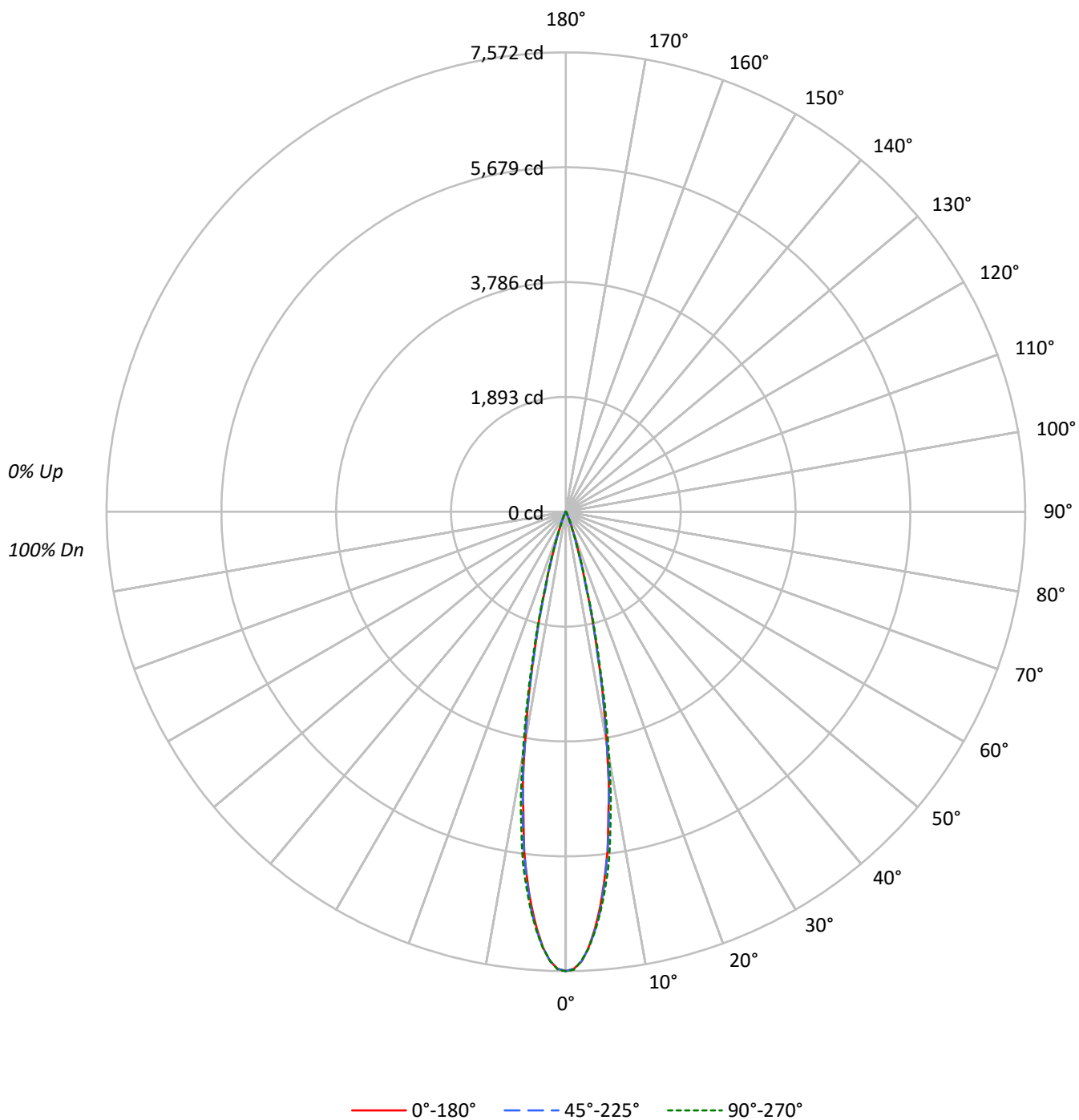
Lumens per Lamp: N/A  
Luminaire Lumens: 1017.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |     |     | 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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 92  | 92  | 91  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 89  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 89  | 87  | 85  | 85  | 85  | 85  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1304053 | 1304053 | 1304053 |
| 5°  | 1126541 | 1137035 | 1141271 |
| 10° | 678165  | 684496  | 718562  |
| 15° | 234569  | 229077  | 247335  |
| 20° | 61599   | 57952   | 58117   |
| 25° | 13435   | 16190   | 18414   |
| 30° | 5767    | 5767    | 5946    |
| 35° | 3238    | 2859    | 3049    |
| 40° | 1416    | 1619    | 1844    |
| 45° | 438     | 658     | 658     |
| 50° | 241     | 241     | 241     |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 658 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 541.6  | 53.3      |
| 10°-20°   | 412.3  | 40.5      |
| 20°-30°   | 51.0   | 5.0       |
| 30°-40°   | 9.6    | 0.9       |
| 40°-50°   | 2.3    | 0.2       |
| 50°-60°   | 0.1    | 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°    | 1004.9 | 98.8      |
| 0°-40°    | 1014.5 | 99.8      |
| 0°-60°    | 1017.0 | 100.0     |
| 0°-90°    | 1017.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1017.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7572 | 7572  | 7572 | 7572  | 7572 |      |
| 5°  | 6516 | 6512  | 6577 | 6572  | 6602 | 537  |
| 15° | 1316 | 1268  | 1285 | 1362  | 1387 | 412  |
| 25° | 71   | 81    | 85   | 89    | 97   | 49   |
| 35° | 15   | 15    | 14   | 14    | 14   | 10   |
| 45° | 2    | 3     | 3    | 3     | 3    | 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°    | 7571.9 | 7571.9 | 7571.9 | 7571.9 | 7571.9 |
| 1°    | 7536.5 | 7527.5 | 7534.7 | 7519.3 | 7551.0 |
| 2°    | 7416.0 | 7407.0 | 7407.0 | 7397.9 | 7402.4 |
| 3°    | 7191.3 | 7205.8 | 7196.8 | 7177.7 | 7202.2 |
| 4°    | 6885.1 | 6901.4 | 6915.9 | 6916.8 | 6920.4 |
| 5°    | 6516.3 | 6511.8 | 6577.0 | 6572.5 | 6601.5 |
| 6°    | 6095.9 | 6090.5 | 6118.6 | 6165.7 | 6223.7 |
| 7°    | 5633.8 | 5567.7 | 5642.9 | 5738.0 | 5815.9 |
| 8°    | 5035.8 | 5053.0 | 5104.7 | 5217.0 | 5279.6 |
| 9°    | 4528.4 | 4427.9 | 4537.5 | 4671.6 | 4739.5 |
| 10°   | 3877.9 | 3796.4 | 3914.1 | 4055.5 | 4108.9 |
| 12.5° | 2440.9 | 2370.2 | 2408.3 | 2556.9 | 2580.4 |
| 15°   | 1315.6 | 1268.5 | 1284.8 | 1361.8 | 1387.2 |
| 17.5° | 671.4  | 628.8  | 619.7  | 668.7  | 674.1  |
| 20°   | 336.1  | 326.2  | 316.2  | 320.7  | 317.1  |
| 22.5° | 155.8  | 169.4  | 167.6  | 158.6  | 169.4  |
| 25°   | 70.7   | 80.6   | 85.2   | 88.8   | 96.9   |
| 27.5° | 43.5   | 41.7   | 48.0   | 51.6   | 52.6   |
| 30°   | 29.0   | 28.1   | 29.0   | 29.9   | 29.9   |
| 32.5° | 20.8   | 19.9   | 19.0   | 19.0   | 19.9   |
| 35°   | 15.4   | 15.4   | 13.6   | 14.5   | 14.5   |
| 37.5° | 10.9   | 10.9   | 10.0   | 10.9   | 10.9   |
| 40°   | 6.3    | 7.2    | 7.2    | 7.2    | 8.2    |
| 42.5° | 3.6    | 4.5    | 4.5    | 4.5    | 4.5    |
| 45°   | 1.8    | 2.7    | 2.7    | 2.7    | 2.7    |
| 47.5° | 0.9    | 0.9    | 0.9    | 1.8    | 1.8    |
| 50°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 52.5° | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 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    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)