

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: P1307442

Luminaire Tested: LDSQA3D20R259024D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R259024D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

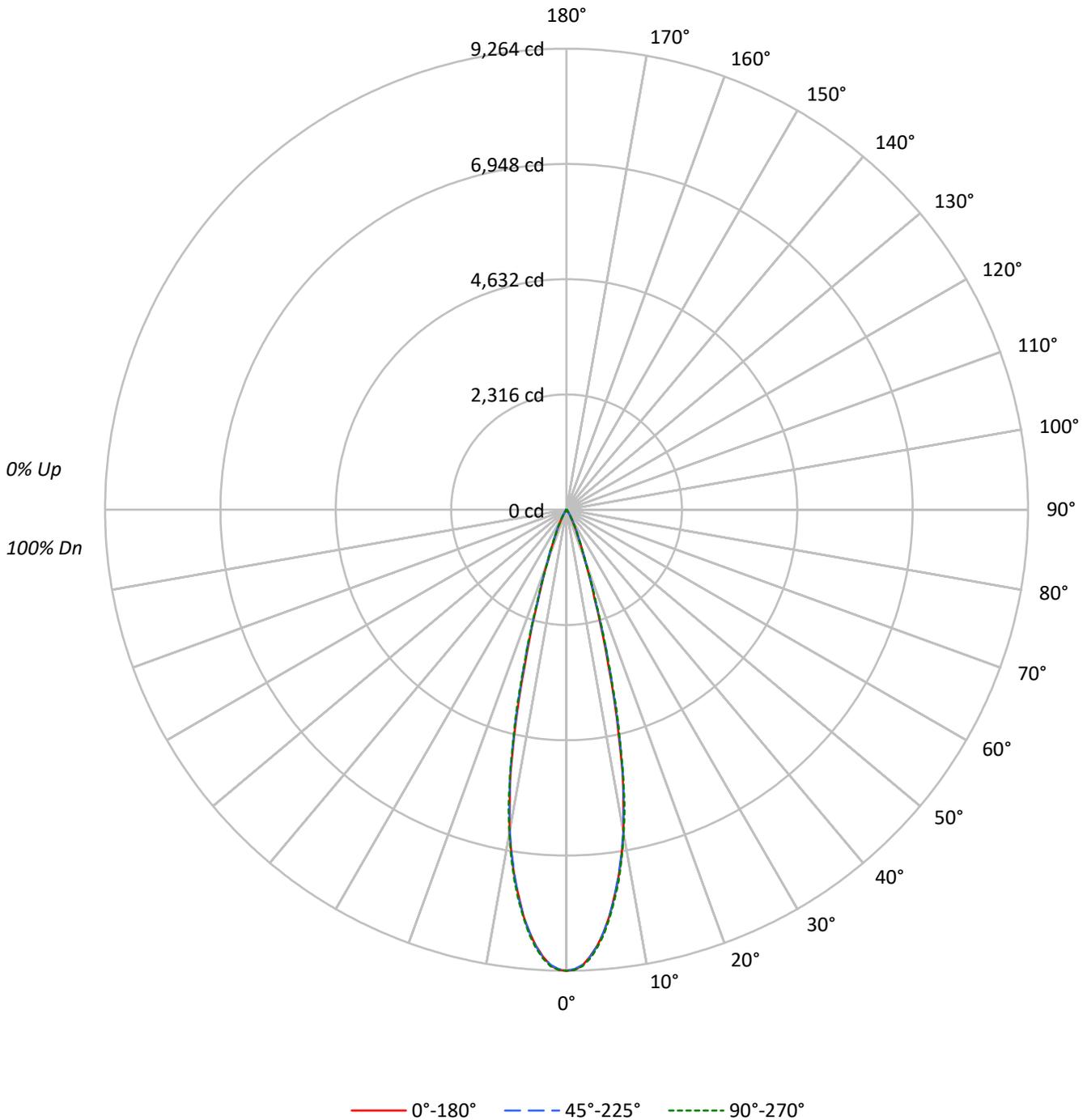
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1957.0 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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  |     | 0  |    |
| 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 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 100 | 101 | 99  | 97  | 98  | 97  | 95  | 94  | 94 | 94 |
| 3   | 108 | 104 | 100 | 98  | 107 | 103 | 99  | 97  | 100 | 98  | 95  | 98  | 96  | 94  | 96  | 94  | 93  | 91  | 91 | 91 |
| 4   | 105 | 100 | 96  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86 | 86 |
| 6   | 100 | 94  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 88  | 86  | 90  | 88  | 86  | 89  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 84  | 96  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 87  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 88  | 84  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 80  | 80 | 80 |
| 9   | 92  | 86  | 82  | 80  | 91  | 86  | 82  | 79  | 85  | 82  | 79  | 84  | 81  | 79  | 83  | 81  | 79  | 78  | 78 | 78 |
| 10  | 90  | 84  | 80  | 78  | 89  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 76 | 76 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1595419 | 1595419 | 1595419 |
| 5°  | 1473633 | 1473115 | 1481361 |
| 10° | 1151127 | 1147996 | 1155813 |
| 15° | 579112  | 603307  | 602772  |
| 20° | 198157  | 203619  | 200338  |
| 25° | 79621   | 89541   | 83023   |
| 30° | 32316   | 38560   | 31441   |
| 35° | 9398    | 16925   | 9398    |
| 40° | 4362    | 7374    | 4362    |
| 45° | 1461    | 2898    | 1461    |
| 50° | 804     | 1206    | 804     |
| 55° | 901     | 901     | 901     |
| 60° | 1033    | 1033    | 1033    |
| 65° | 611     | 611     | 611     |
| 70° | 755     | 755     | 755     |
| 75° | 998     | 998     | 998     |
| 80° | 0       | 1488    | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2898 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 751.5  | 38.4      |
| 10°-20°   | 919.9  | 47.0      |
| 20°-30°   | 224.7  | 11.5      |
| 30°-40°   | 46.5   | 2.4       |
| 40°-50°   | 8.1    | 0.4       |
| 50°-60°   | 2.7    | 0.1       |
| 60°-70°   | 2.1    | 0.1       |
| 70°-80°   | 1.4    | 0.1       |
| 80°-90°   | 0.1    | 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°    | 1896.1 | 96.9      |
| 0°-40°    | 1942.6 | 99.3      |
| 0°-60°    | 1953.4 | 99.8      |
| 0°-90°    | 1957.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1957.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9264 | 9264  | 9264 | 9264  | 9264 |      |
| 5°  | 8524 | 8532  | 8521 | 8539  | 8569 | 751  |
| 15° | 3248 | 3303  | 3384 | 3399  | 3381 | 907  |
| 25° | 419  | 438   | 471  | 444   | 437  | 214  |
| 35° | 45   | 63    | 80   | 61    | 45   | 38   |
| 45° | 6    | 9     | 12   | 9     | 6    | 6    |
| 55° | 3    | 3     | 3    | 3     | 3    | 3    |
| 65° | 2    | 3     | 2    | 2     | 2    | 2    |
| 75° | 2    | 2     | 2    | 2     | 2    | 1    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 9263.7 | 9263.7 | 9263.7 | 9263.7 | 9263.7 |
| 1°    | 9245.8 | 9233.8 | 9230.9 | 9232.4 | 9247.3 |
| 2°    | 9162.3 | 9154.8 | 9153.3 | 9157.8 | 9178.7 |
| 3°    | 8992.3 | 9001.2 | 9004.2 | 9019.1 | 9029.5 |
| 4°    | 8783.5 | 8801.4 | 8793.9 | 8811.8 | 8823.8 |
| 5°    | 8524.0 | 8531.5 | 8521.0 | 8538.9 | 8568.7 |
| 6°    | 8221.3 | 8194.4 | 8219.8 | 8227.2 | 8248.1 |
| 7°    | 7844.0 | 7850.0 | 7858.9 | 7867.9 | 7899.2 |
| 8°    | 7472.7 | 7454.8 | 7450.3 | 7492.1 | 7517.4 |
| 9°    | 7038.7 | 7041.7 | 7025.3 | 7073.0 | 7080.5 |
| 10°   | 6582.4 | 6545.1 | 6564.5 | 6601.8 | 6609.2 |
| 11°   | 5979.9 | 5969.5 | 5997.8 | 6056.0 | 6102.2 |
| 12°   | 5414.7 | 5420.7 | 5450.5 | 5469.9 | 5459.5 |
| 13°   | 4667.6 | 4712.4 | 4749.6 | 4769.0 | 4743.7 |
| 14°   | 3992.1 | 3992.1 | 4039.8 | 4047.3 | 4138.2 |
| 15°   | 3248.0 | 3303.1 | 3383.7 | 3398.6 | 3380.7 |
| 17.5° | 1876.0 | 1883.5 | 1922.2 | 1920.7 | 1949.1 |
| 20°   | 1081.2 | 1091.6 | 1111.0 | 1106.5 | 1093.1 |
| 22.5° | 650.2  | 672.6  | 718.8  | 681.5  | 671.1  |
| 25°   | 419.0  | 438.4  | 471.2  | 444.4  | 436.9  |
| 27.5° | 262.5  | 275.9  | 301.2  | 277.4  | 265.4  |
| 30°   | 162.5  | 170.0  | 193.9  | 171.5  | 158.1  |
| 32.5° | 88.0   | 107.4  | 126.8  | 107.4  | 88.0   |
| 35°   | 44.7   | 62.6   | 80.5   | 61.1   | 44.7   |
| 37.5° | 29.8   | 35.8   | 52.2   | 34.3   | 29.8   |
| 40°   | 19.4   | 23.9   | 32.8   | 23.9   | 19.4   |
| 42.5° | 10.4   | 14.9   | 17.9   | 16.4   | 10.4   |
| 45°   | 6.0    | 8.9    | 11.9   | 8.9    | 6.0    |
| 47.5° | 4.5    | 4.5    | 7.5    | 4.5    | 3.0    |
| 50°   | 3.0    | 3.0    | 4.5    | 3.0    | 3.0    |
| 52.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 55°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 57.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 60°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 62.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 65°   | 1.5    | 3.0    | 1.5    | 1.5    | 1.5    |
| 67.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 70°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 72.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 75°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 77.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 80°   | 0.0    | 0.0    | 1.5    | 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)