

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: P1315126

Luminaire Tested: LDSQA3D02R309735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315126  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309735DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

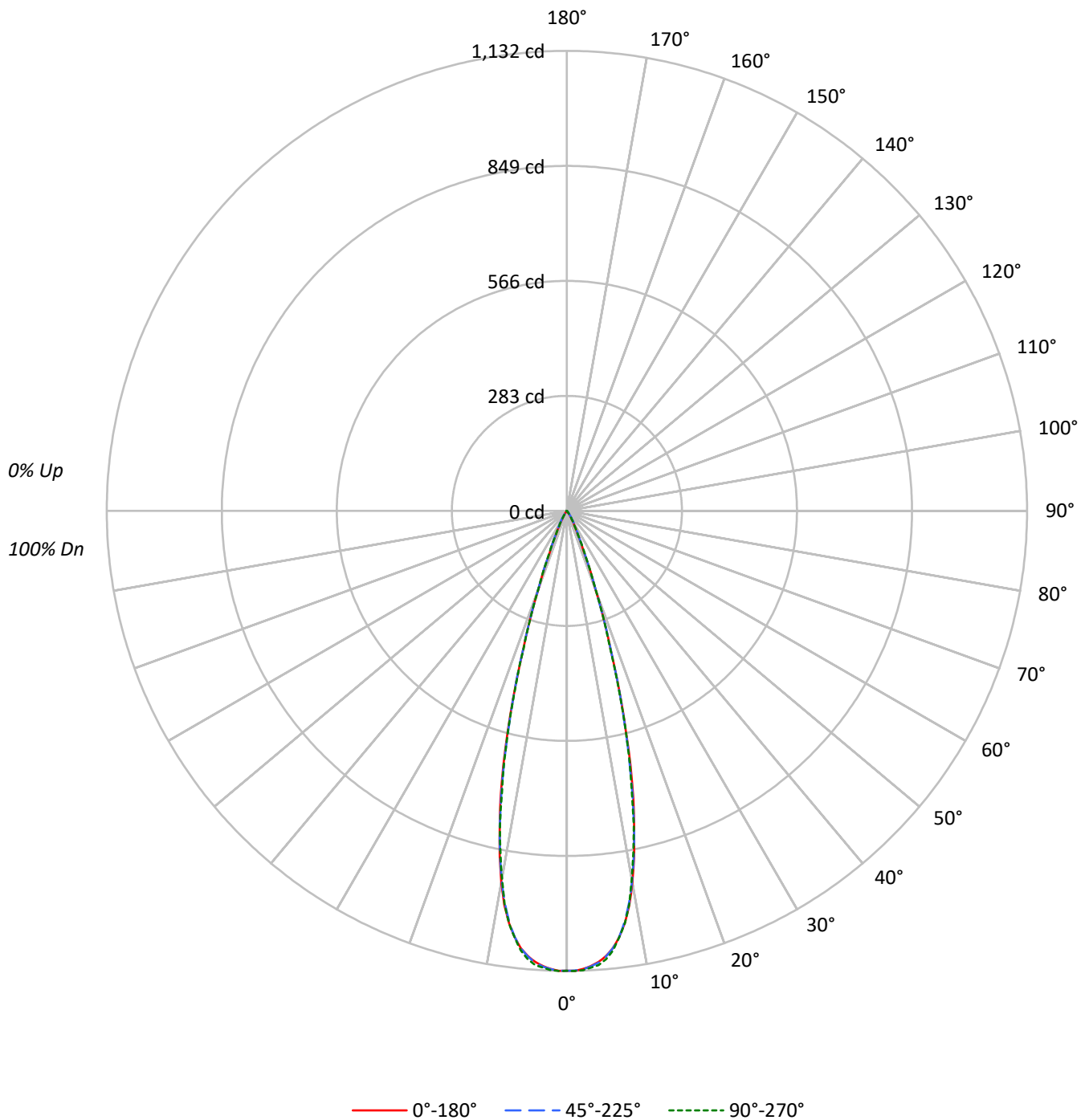
Lumens per Lamp: N/A  
Luminaire Lumens: 292.0 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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  |     |     |     |    | 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 | 101 | 100 | 99  | 99  | 97  | 96 | 95 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 85 | 84 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 76 | 75 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 74 | 73 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 194887 | 194887 | 194887 |
| 5°  | 190134 | 190376 | 191431 |
| 10° | 162393 | 161641 | 160679 |
| 15° | 100221 | 99045  | 99401  |
| 20° | 37883  | 38085  | 38048  |
| 25° | 11649  | 12770  | 12162  |
| 30° | 4693   | 5966   | 4872   |
| 35° | 1388   | 2523   | 1430   |
| 40° | 562    | 1012   | 562    |
| 45° | 122    | 341    | 122    |
| 50° | 0      | 54     | 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: 341 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.8   | 34.2      |
| 10°-20°   | 147.8  | 50.6      |
| 20°-30°   | 36.7   | 12.6      |
| 30°-40°   | 6.9    | 2.4       |
| 40°-50°   | 0.9    | 0.3       |
| 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°    | 284.3  | 97.3      |
| 0°-40°    | 291.1  | 99.7      |
| 0°-60°    | 292.0  | 100.0     |
| 0°-90°    | 292.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 292.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1132 | 1132  | 1132 | 1132  | 1132 |      |
| 5°  | 1100 | 1099  | 1101 | 1103  | 1107 | 100  |
| 15° | 562  | 557   | 556  | 560   | 558  | 149  |
| 25° | 61   | 65    | 67   | 67    | 64   | 35   |
| 35° | 7    | 9     | 12   | 9     | 7    | 6    |
| 45° | 0    | 1     | 1    | 1     | 0    | 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°    | 1131.6 | 1131.6 | 1131.6 | 1131.6 | 1131.6 |
| 1°    | 1132.1 | 1131.2 | 1131.2 | 1129.8 | 1132.3 |
| 2°    | 1128.0 | 1127.1 | 1128.7 | 1127.5 | 1130.7 |
| 3°    | 1121.9 | 1120.7 | 1123.0 | 1123.7 | 1125.3 |
| 4°    | 1112.8 | 1111.9 | 1114.4 | 1115.7 | 1120.1 |
| 5°    | 1099.8 | 1099.4 | 1101.2 | 1103.0 | 1107.3 |
| 6°    | 1082.1 | 1081.4 | 1082.6 | 1084.9 | 1087.6 |
| 7°    | 1056.5 | 1055.1 | 1056.0 | 1056.5 | 1057.1 |
| 8°    | 1024.0 | 1021.9 | 1020.8 | 1023.3 | 1024.7 |
| 9°    | 982.2  | 979.9  | 977.4  | 976.5  | 979.7  |
| 10°   | 928.6  | 925.2  | 924.3  | 922.0  | 918.8  |
| 11°   | 866.4  | 863.7  | 863.0  | 858.9  | 857.1  |
| 12°   | 795.1  | 793.7  | 795.3  | 792.8  | 791.9  |
| 13°   | 726.7  | 718.1  | 717.0  | 712.2  | 709.7  |
| 14°   | 645.9  | 637.9  | 637.7  | 635.2  | 638.6  |
| 15°   | 562.1  | 556.6  | 555.5  | 559.8  | 557.5  |
| 17.5° | 358.4  | 362.0  | 361.1  | 358.8  | 355.0  |
| 20°   | 206.7  | 204.2  | 207.8  | 208.7  | 207.6  |
| 22.5° | 110.1  | 111.1  | 111.7  | 114.5  | 116.3  |
| 25°   | 61.3   | 65.4   | 67.2   | 67.0   | 64.0   |
| 27.5° | 38.2   | 40.7   | 44.1   | 41.8   | 39.3   |
| 30°   | 23.6   | 25.7   | 30.0   | 25.9   | 24.5   |
| 32.5° | 12.7   | 16.1   | 19.3   | 16.1   | 13.2   |
| 35°   | 6.6    | 8.6    | 12.0   | 8.9    | 6.8    |
| 37.5° | 4.3    | 5.0    | 7.7    | 5.0    | 4.3    |
| 40°   | 2.5    | 3.2    | 4.5    | 3.2    | 2.5    |
| 42.5° | 1.1    | 1.8    | 2.5    | 1.8    | 1.1    |
| 45°   | 0.5    | 0.7    | 1.4    | 0.9    | 0.5    |
| 47.5° | 0.0    | 0.2    | 0.7    | 0.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.2    | 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)