

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: P1310606

Luminaire Tested: LDSQA3D17R709035DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709035DE010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

**Summary**

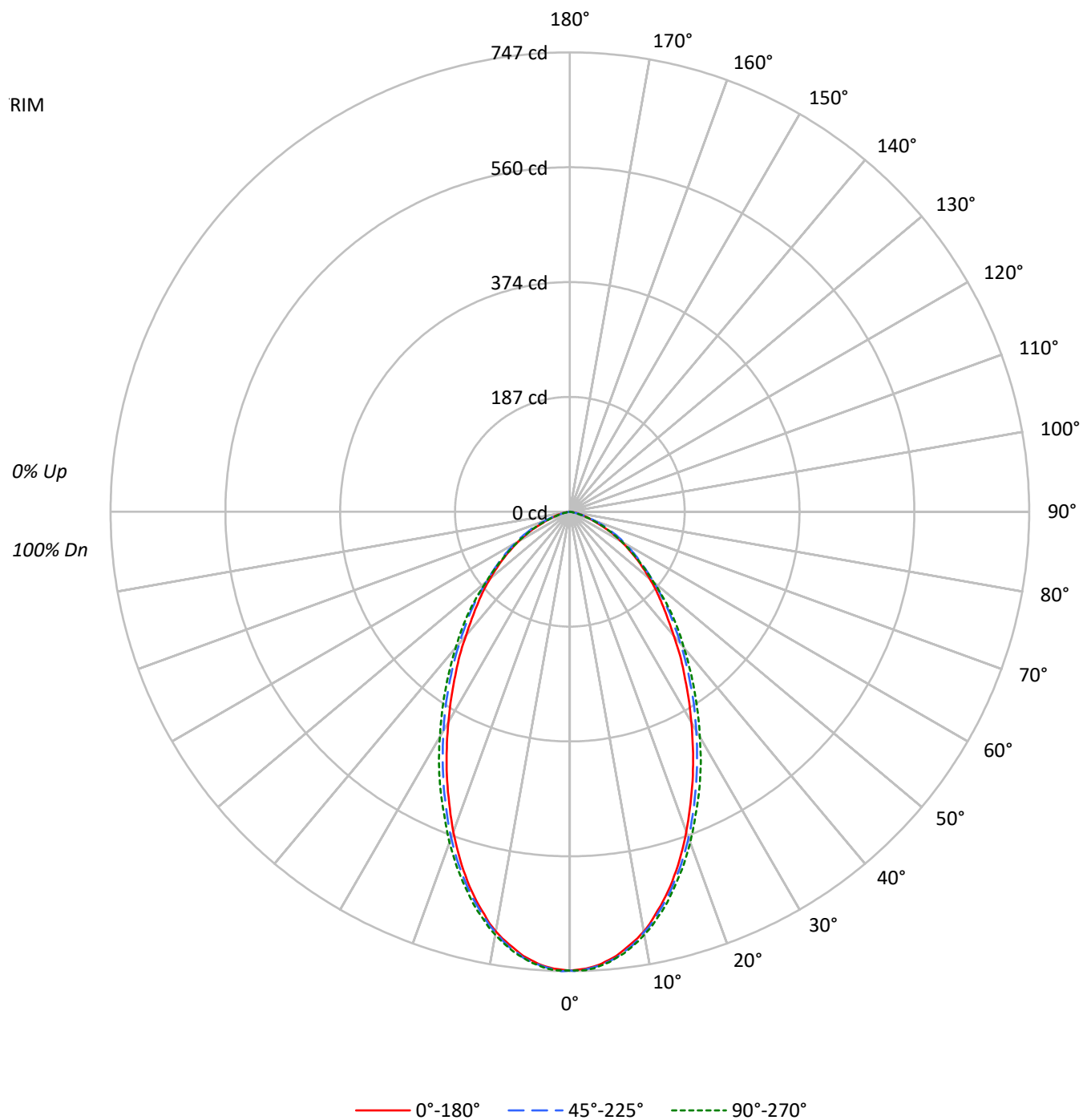
Lumens per Lamp: N/A  
Luminaire Lumens: 1068.0 lumens  
Efficiency: N/A  
Efficacy: 50.4 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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

TEST NUMBER: P1310606

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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   | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |  | 89  | 85  | 82  |  | 86  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |  | 81  | 76  | 72  |  | 78  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |  | 74  | 69  | 64  |  | 72  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  |  | 58  | 52  | 47  |  | 56  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 128478 | 128478 | 128478 |
| 5°  | 126445 | 126912 | 127136 |
| 10° | 121191 | 121419 | 122118 |
| 15° | 112453 | 113398 | 114343 |
| 20° | 101516 | 103459 | 104907 |
| 25° | 89902  | 92410  | 94671  |
| 30° | 78532  | 81694  | 84060  |
| 35° | 68246  | 71883  | 74111  |
| 40° | 58993  | 62860  | 64951  |
| 45° | 51635  | 55191  | 56798  |
| 50° | 45441  | 47585  | 47585  |
| 55° | 39394  | 41376  | 40175  |
| 60° | 33308  | 35616  | 33790  |
| 65° | 25918  | 29708  | 27018  |
| 70° | 18682  | 22005  | 18682  |
| 75° | 14107  | 13242  | 10580  |
| 80° | 9224   | 6546   | 2678   |
| 85° | 2569   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 56798 cd/sqm

TEST NUMBER: P1310606

CATALOG NUMBER: LDSQA3D17R709035DE010 3LSQCLDWWR1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.8   | 6.4       |
| 10°-20°   | 177.5  | 16.6      |
| 20°-30°   | 222.9  | 20.9      |
| 30°-40°   | 212.9  | 19.9      |
| 40°-50°   | 173.1  | 16.2      |
| 50°-60°   | 121.2  | 11.3      |
| 60°-70°   | 68.4   | 6.4       |
| 70°-80°   | 21.7   | 2.0       |
| 80°-90°   | 1.7    | 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°    | 469.2  | 43.9      |
| 0°-40°    | 682.0  | 63.9      |
| 0°-60°    | 976.3  | 91.4      |
| 0°-90°    | 1068.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1068.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 746 | 746   | 746 | 746   | 746 |      |
| 5°  | 731 | 733   | 734 | 733   | 735 | 69   |
| 15° | 631 | 632   | 636 | 637   | 641 | 176  |
| 25° | 473 | 478   | 486 | 494   | 498 | 217  |
| 35° | 325 | 330   | 342 | 348   | 352 | 204  |
| 45° | 212 | 217   | 227 | 231   | 233 | 165  |
| 55° | 131 | 132   | 138 | 135   | 134 | 117  |
| 65° | 64  | 68    | 73  | 69    | 66  | 64   |
| 75° | 21  | 21    | 20  | 17    | 16  | 23   |
| 85° | 1   | 1     | 0   | 0     | 0   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1310606

CATALOG NUMBER: LDSQA3D17R709035DE010 3LSQCLDWWR1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 746.0 | 746.0 | 746.0 | 746.0 | 746.0 |
| 1°    | 744.7 | 746.0 | 747.3 | 744.7 | 746.0 |
| 2°    | 743.4 | 744.7 | 744.7 | 743.4 | 746.0 |
| 3°    | 740.7 | 742.0 | 742.0 | 740.7 | 743.4 |
| 4°    | 736.7 | 738.1 | 738.1 | 736.7 | 739.4 |
| 5°    | 731.4 | 732.8 | 734.1 | 732.8 | 735.4 |
| 6°    | 726.1 | 727.5 | 728.8 | 727.5 | 728.8 |
| 7°    | 718.2 | 720.8 | 720.8 | 720.8 | 723.5 |
| 8°    | 710.2 | 712.9 | 714.2 | 712.9 | 715.5 |
| 9°    | 702.3 | 703.6 | 704.9 | 704.9 | 707.6 |
| 10°   | 693.0 | 694.3 | 694.3 | 695.7 | 698.3 |
| 11°   | 682.4 | 682.4 | 685.1 | 685.1 | 689.0 |
| 12°   | 669.2 | 670.5 | 673.1 | 674.5 | 677.1 |
| 13°   | 657.2 | 658.6 | 661.2 | 662.5 | 666.5 |
| 14°   | 644.0 | 646.6 | 649.3 | 650.6 | 654.6 |
| 15°   | 630.7 | 632.1 | 636.0 | 637.4 | 641.3 |
| 17.5° | 593.6 | 595.0 | 601.6 | 604.2 | 608.2 |
| 20°   | 553.9 | 557.9 | 564.5 | 568.5 | 572.4 |
| 22.5° | 512.8 | 516.8 | 524.7 | 531.4 | 534.0 |
| 25°   | 473.1 | 478.4 | 486.3 | 494.3 | 498.2 |
| 27.5° | 433.3 | 438.6 | 447.9 | 455.8 | 461.1 |
| 30°   | 394.9 | 400.2 | 410.8 | 417.4 | 422.7 |
| 32.5° | 359.1 | 364.4 | 376.3 | 383.0 | 386.9 |
| 35°   | 324.6 | 329.9 | 341.9 | 348.5 | 352.5 |
| 37.5° | 294.2 | 299.5 | 310.1 | 316.7 | 319.3 |
| 40°   | 262.4 | 269.0 | 279.6 | 286.2 | 288.9 |
| 42.5° | 235.9 | 241.2 | 251.8 | 257.1 | 261.0 |
| 45°   | 212.0 | 217.3 | 226.6 | 230.6 | 233.2 |
| 47.5° | 190.8 | 193.5 | 201.4 | 202.7 | 205.4 |
| 50°   | 169.6 | 172.3 | 177.6 | 178.9 | 177.6 |
| 52.5° | 149.7 | 152.4 | 156.4 | 155.0 | 155.0 |
| 55°   | 131.2 | 132.5 | 137.8 | 135.2 | 133.8 |
| 57.5° | 112.6 | 115.3 | 120.6 | 116.6 | 115.3 |
| 60°   | 96.7  | 99.4  | 103.4 | 100.7 | 98.1  |
| 62.5° | 80.8  | 82.2  | 88.8  | 83.5  | 80.8  |
| 65°   | 63.6  | 67.6  | 72.9  | 68.9  | 66.3  |
| 67.5° | 47.7  | 54.3  | 59.6  | 54.3  | 51.7  |
| 70°   | 37.1  | 39.8  | 43.7  | 41.1  | 37.1  |
| 72.5° | 27.8  | 29.2  | 30.5  | 27.8  | 25.2  |
| 75°   | 21.2  | 21.2  | 19.9  | 17.2  | 15.9  |
| 77.5° | 14.6  | 14.6  | 11.9  | 8.0   | 8.0   |
| 80°   | 9.3   | 9.3   | 6.6   | 2.7   | 2.7   |
| 82.5° | 4.0   | 4.0   | 2.7   | 1.3   | 1.3   |
| 85°   | 1.3   | 1.3   | 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)