

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: P1326625

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQPHRL1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQPHRL1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

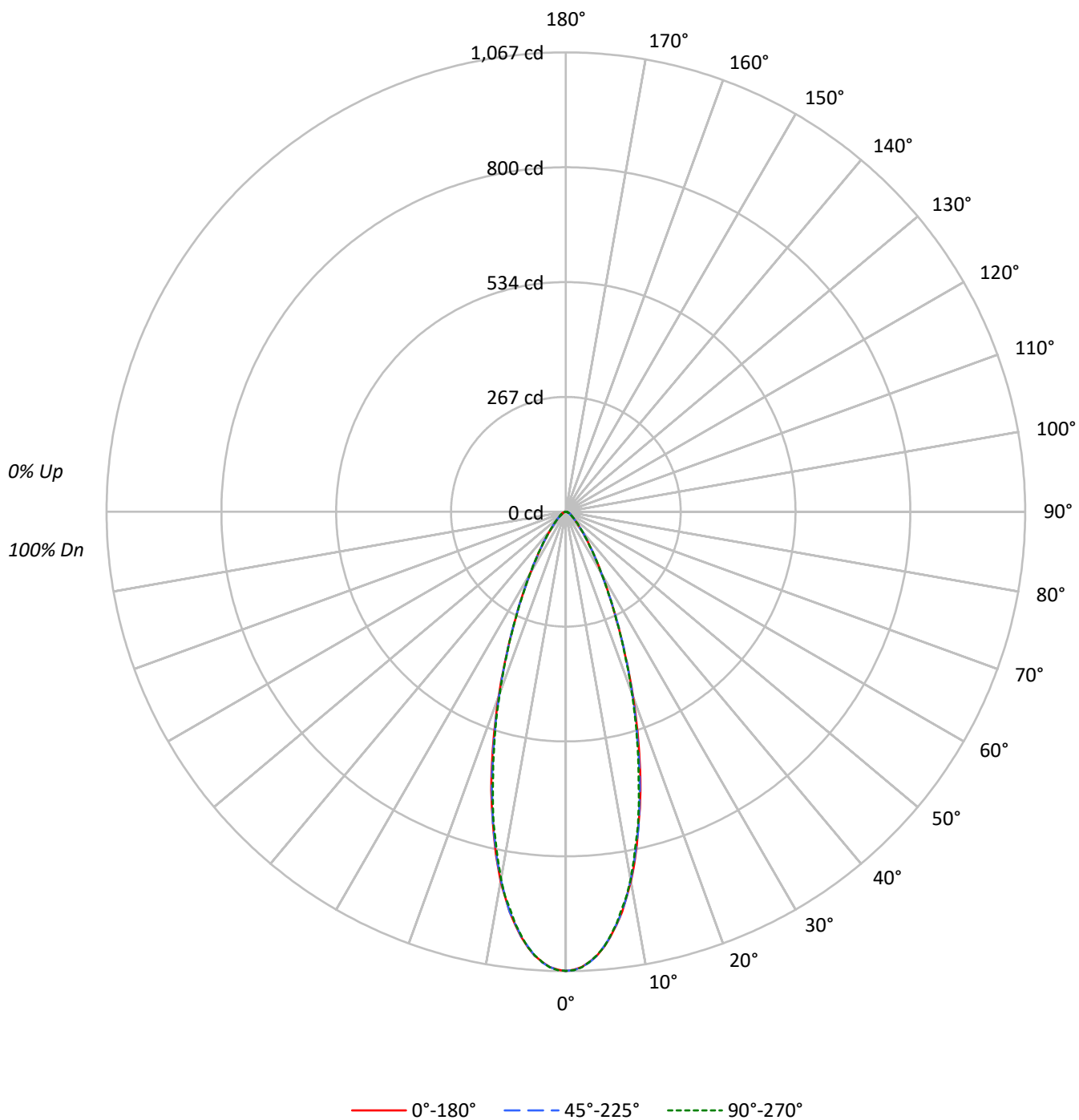
Lumens per Lamp: N/A  
Luminaire Lumens: 526.0 lumens  
Efficiency: N/A  
Efficacy: 58.4 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  | 96  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  | 91  | 89  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  | 86  | 83  | 82  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  | 81  | 78  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  | 77  | 74  | 73  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  | 73  | 70  | 69  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  | 69  | 66  | 65  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  | 66  | 63  | 62  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  | 63  | 60  | 59  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  | 60  | 57  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 183693 | 183693 | 183693 |
| 5°  | 175526 | 175214 | 175526 |
| 10° | 152372 | 151865 | 151655 |
| 15° | 119406 | 118461 | 116589 |
| 20° | 83537  | 82786  | 82254  |
| 25° | 53055  | 53378  | 53055  |
| 30° | 32694  | 32912  | 32694  |
| 35° | 20226  | 20331  | 20331  |
| 40° | 12837  | 12972  | 12972  |
| 45° | 8671   | 8793   | 8939   |
| 50° | 6243   | 6404   | 6404   |
| 55° | 4894   | 4894   | 4894   |
| 60° | 4030   | 4030   | 4030   |
| 65° | 3545   | 3545   | 3545   |
| 70° | 3223   | 3223   | 3223   |
| 75° | 2728   | 2728   | 2728   |
| 80° | 2281   | 2281   | 2281   |
| 85° | 1186   | 1186   | 2371   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8939 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.2   | 17.5      |
| 10°-20°   | 181.5  | 34.5      |
| 20°-30°   | 130.9  | 24.9      |
| 30°-40°   | 63.1   | 12.0      |
| 40°-50°   | 29.1   | 5.5       |
| 50°-60°   | 15.1   | 2.9       |
| 60°-70°   | 8.7    | 1.7       |
| 70°-80°   | 4.4    | 0.8       |
| 80°-90°   | 1.0    | 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       |
| 0°-30°    | 404.6  | 76.9      |
| 0°-40°    | 467.7  | 88.9      |
| 0°-60°    | 511.9  | 97.3      |
| 0°-90°    | 526.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 526.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1067 | 1067  | 1067 | 1067  | 1067 |      |
| 5°  | 1015 | 1018  | 1014 | 1014  | 1015 | 92   |
| 15° | 670  | 668   | 664  | 662   | 654  | 183  |
| 25° | 279  | 280   | 281  | 281   | 279  | 131  |
| 35° | 96   | 96    | 97   | 97    | 97   | 63   |
| 45° | 36   | 36    | 36   | 37    | 37   | 29   |
| 55° | 16   | 16    | 16   | 16    | 16   | 15   |
| 65° | 9    | 9     | 9    | 9     | 9    | 9    |
| 75° | 4    | 4     | 4    | 4     | 4    | 4    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1066.6 | 1066.6 | 1066.6 | 1066.6 | 1066.6 |
| 1°    | 1063.7 | 1065.4 | 1064.8 | 1065.4 | 1064.8 |
| 2°    | 1058.4 | 1059.6 | 1058.4 | 1059.0 | 1059.0 |
| 3°    | 1047.3 | 1048.5 | 1048.5 | 1047.9 | 1047.3 |
| 4°    | 1033.9 | 1036.8 | 1033.9 | 1034.5 | 1032.8 |
| 5°    | 1015.3 | 1017.6 | 1013.5 | 1014.1 | 1015.3 |
| 6°    | 992.5  | 993.1  | 992.0  | 991.4  | 990.2  |
| 7°    | 966.3  | 968.7  | 964.6  | 965.2  | 964.0  |
| 8°    | 938.3  | 937.8  | 937.8  | 935.4  | 931.9  |
| 9°    | 904.5  | 906.9  | 903.4  | 902.2  | 902.8  |
| 10°   | 871.3  | 871.3  | 868.4  | 865.5  | 867.2  |
| 11°   | 833.4  | 832.3  | 830.5  | 826.4  | 825.3  |
| 12°   | 792.1  | 794.4  | 789.1  | 787.4  | 783.3  |
| 13°   | 749.5  | 753.0  | 750.7  | 744.3  | 744.8  |
| 14°   | 709.9  | 707.5  | 705.8  | 704.6  | 700.6  |
| 15°   | 669.7  | 668.5  | 664.4  | 661.5  | 653.9  |
| 17.5° | 559.5  | 560.7  | 553.1  | 551.9  | 549.0  |
| 20°   | 455.8  | 452.3  | 451.7  | 452.3  | 448.8  |
| 22.5° | 359.6  | 363.1  | 359.0  | 359.6  | 357.3  |
| 25°   | 279.2  | 279.8  | 280.9  | 280.9  | 279.2  |
| 27.5° | 216.8  | 216.8  | 215.6  | 216.8  | 215.1  |
| 30°   | 164.4  | 164.4  | 165.5  | 166.7  | 164.4  |
| 32.5° | 127.1  | 127.1  | 127.1  | 127.6  | 128.2  |
| 35°   | 96.2   | 96.2   | 96.7   | 96.7   | 96.7   |
| 37.5° | 74.0   | 74.6   | 75.2   | 75.2   | 75.2   |
| 40°   | 57.1   | 57.7   | 57.7   | 58.3   | 57.7   |
| 42.5° | 45.5   | 45.5   | 45.5   | 46.0   | 46.0   |
| 45°   | 35.6   | 36.1   | 36.1   | 36.7   | 36.7   |
| 47.5° | 29.1   | 29.1   | 29.1   | 29.7   | 29.7   |
| 50°   | 23.3   | 23.9   | 23.9   | 23.9   | 23.9   |
| 52.5° | 19.2   | 19.2   | 19.8   | 19.8   | 19.8   |
| 55°   | 16.3   | 16.3   | 16.3   | 16.3   | 16.3   |
| 57.5° | 13.4   | 14.0   | 14.0   | 14.0   | 14.0   |
| 60°   | 11.7   | 11.7   | 11.7   | 11.7   | 11.7   |
| 62.5° | 9.9    | 9.9    | 9.9    | 9.9    | 9.9    |
| 65°   | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 67.5° | 7.0    | 7.6    | 7.6    | 7.6    | 7.6    |
| 70°   | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    |
| 72.5° | 4.7    | 5.2    | 5.2    | 5.2    | 5.2    |
| 75°   | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 77.5° | 3.5    | 2.9    | 2.9    | 2.9    | 3.5    |
| 80°   | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 82.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 85°   | 0.6    | 0.6    | 0.6    | 0.6    | 1.2    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    |



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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)