

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: P1316981

Luminaire Tested: LDSQA3D20R709740D010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316981  
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: LDSQA3D20R709740D010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

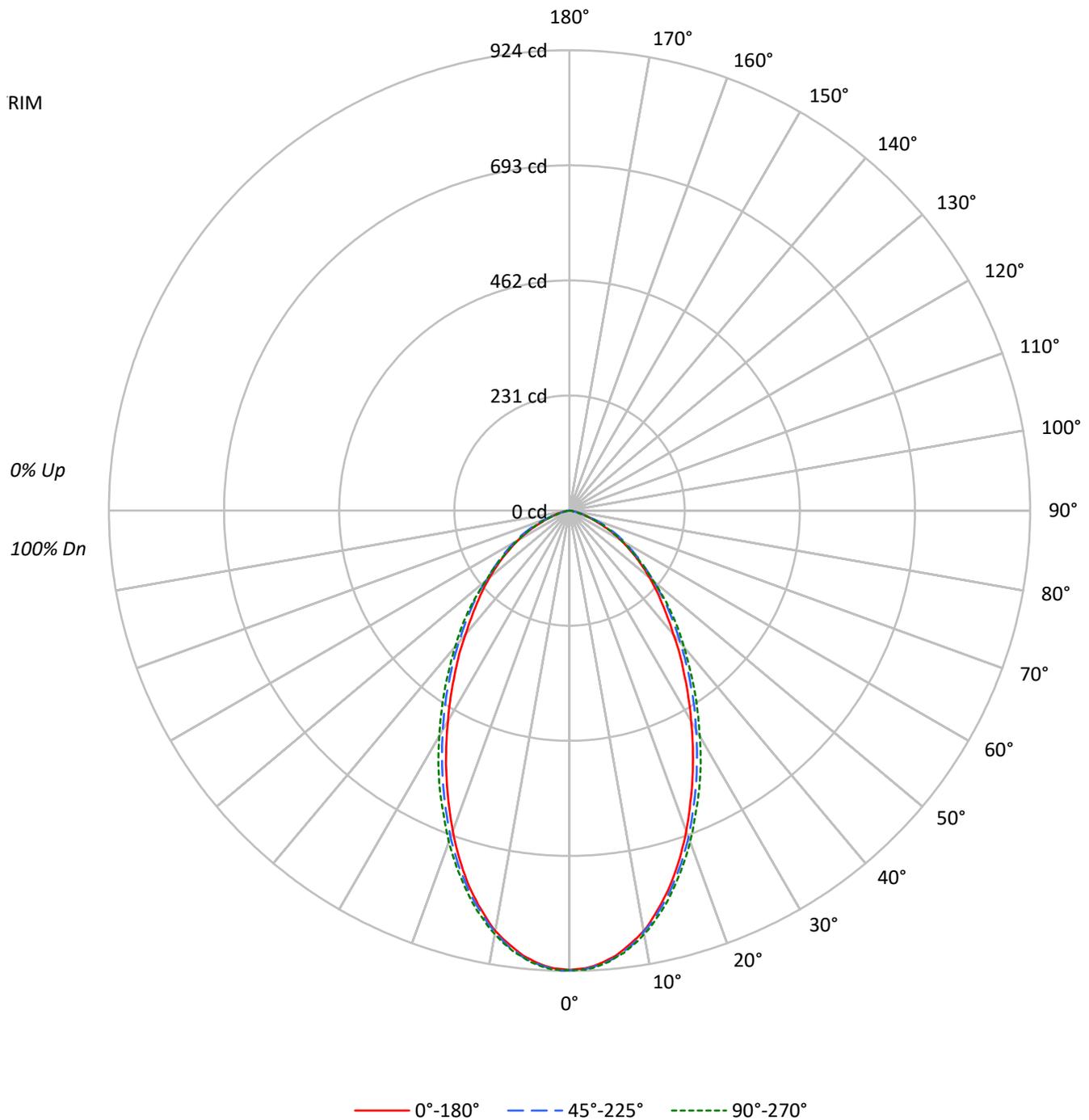
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1320.0 lumens  
Efficiency: N/A  
Efficacy: 45.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
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 (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   | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  | 89  | 85  | 82  | 86  | 83  | 80  | 79  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 69  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 67  | 64  | 62  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 55  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  | 62  | 56  | 52  | 61  | 56  | 52  | 50  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  | 58  | 52  | 47  | 56  | 51  | 47  | 45  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  | 53  | 48  | 43  | 52  | 47  | 43  | 41  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 158806 | 158806 | 158806 |
| 5°  | 156284 | 156854 | 157148 |
| 10° | 149784 | 150082 | 150938 |
| 15° | 139001 | 140160 | 141337 |
| 20° | 125470 | 127871 | 129667 |
| 25° | 111109 | 114225 | 117018 |
| 30° | 97046  | 100964 | 103887 |
| 35° | 84350  | 88829  | 91583  |
| 40° | 72909  | 77698  | 80261  |
| 45° | 63813  | 68221  | 70194  |
| 50° | 56158  | 58811  | 58811  |
| 55° | 48672  | 51134  | 49663  |
| 60° | 41196  | 43986  | 41747  |
| 65° | 32031  | 36717  | 33375  |
| 70° | 23113  | 27191  | 23113  |
| 75° | 17434  | 16369  | 13109  |
| 80° | 11406  | 8133   | 3273   |
| 85° | 3162   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 70194 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.0   | 6.4       |
| 10°-20°   | 219.4  | 16.6      |
| 20°-30°   | 275.5  | 20.9      |
| 30°-40°   | 263.1  | 19.9      |
| 40°-50°   | 213.9  | 16.2      |
| 50°-60°   | 149.7  | 11.3      |
| 60°-70°   | 84.5   | 6.4       |
| 70°-80°   | 26.8   | 2.0       |
| 80°-90°   | 2.1    | 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°    | 579.9  | 43.9      |
| 0°-40°    | 842.9  | 63.9      |
| 0°-60°    | 1206.6 | 91.4      |
| 0°-90°    | 1320.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1320.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 922 | 922   | 922 | 922   | 922 |      |
| 5°  | 904 | 906   | 907 | 906   | 909 | 85   |
| 15° | 780 | 781   | 786 | 788   | 793 | 217  |
| 25° | 585 | 591   | 601 | 611   | 616 | 268  |
| 35° | 401 | 408   | 422 | 431   | 436 | 252  |
| 45° | 262 | 269   | 280 | 285   | 288 | 203  |
| 55° | 162 | 164   | 170 | 167   | 165 | 145  |
| 65° | 79  | 84    | 90  | 85    | 82  | 79   |
| 75° | 26  | 26    | 25  | 21    | 20  | 28   |
| 85° | 2   | 2     | 0   | 0     | 0   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 922.1 | 922.1 | 922.1 | 922.1 | 922.1 |
| 1°    | 920.4 | 922.1 | 923.7 | 920.4 | 922.1 |
| 2°    | 918.8 | 920.4 | 920.4 | 918.8 | 922.1 |
| 3°    | 915.5 | 917.1 | 917.1 | 915.5 | 918.8 |
| 4°    | 910.6 | 912.2 | 912.2 | 910.6 | 913.9 |
| 5°    | 904.0 | 905.7 | 907.3 | 905.7 | 909.0 |
| 6°    | 897.5 | 899.1 | 900.8 | 899.1 | 900.8 |
| 7°    | 887.7 | 890.9 | 890.9 | 890.9 | 894.2 |
| 8°    | 877.8 | 881.1 | 882.7 | 881.1 | 884.4 |
| 9°    | 868.0 | 869.6 | 871.3 | 871.3 | 874.6 |
| 10°   | 856.5 | 858.2 | 858.2 | 859.8 | 863.1 |
| 11°   | 843.4 | 843.4 | 846.7 | 846.7 | 851.6 |
| 12°   | 827.1 | 828.7 | 832.0 | 833.6 | 836.9 |
| 13°   | 812.3 | 814.0 | 817.2 | 818.9 | 823.8 |
| 14°   | 795.9 | 799.2 | 802.5 | 804.1 | 809.0 |
| 15°   | 779.6 | 781.2 | 786.1 | 787.8 | 792.7 |
| 17.5° | 733.7 | 735.3 | 743.5 | 746.8 | 751.7 |
| 20°   | 684.6 | 689.5 | 697.7 | 702.6 | 707.5 |
| 22.5° | 633.8 | 638.7 | 648.5 | 656.7 | 660.0 |
| 25°   | 584.7 | 591.2 | 601.1 | 610.9 | 615.8 |
| 27.5° | 535.5 | 542.1 | 553.6 | 563.4 | 569.9 |
| 30°   | 488.0 | 494.6 | 507.7 | 515.9 | 522.4 |
| 32.5° | 443.8 | 450.4 | 465.1 | 473.3 | 478.2 |
| 35°   | 401.2 | 407.8 | 422.5 | 430.7 | 435.6 |
| 37.5° | 363.6 | 370.1 | 383.2 | 391.4 | 394.7 |
| 40°   | 324.3 | 332.5 | 345.6 | 353.8 | 357.0 |
| 42.5° | 291.5 | 298.1 | 311.2 | 317.7 | 322.6 |
| 45°   | 262.0 | 268.6 | 280.1 | 285.0 | 288.2 |
| 47.5° | 235.8 | 239.1 | 248.9 | 250.6 | 253.9 |
| 50°   | 209.6 | 212.9 | 219.5 | 221.1 | 219.5 |
| 52.5° | 185.1 | 188.3 | 193.3 | 191.6 | 191.6 |
| 55°   | 162.1 | 163.8 | 170.3 | 167.1 | 165.4 |
| 57.5° | 139.2 | 142.5 | 149.0 | 144.1 | 142.5 |
| 60°   | 119.6 | 122.8 | 127.7 | 124.5 | 121.2 |
| 62.5° | 99.9  | 101.5 | 109.7 | 103.2 | 99.9  |
| 65°   | 78.6  | 83.5  | 90.1  | 85.2  | 81.9  |
| 67.5° | 59.0  | 67.1  | 73.7  | 67.1  | 63.9  |
| 70°   | 45.9  | 49.1  | 54.0  | 50.8  | 45.9  |
| 72.5° | 34.4  | 36.0  | 37.7  | 34.4  | 31.1  |
| 75°   | 26.2  | 26.2  | 24.6  | 21.3  | 19.7  |
| 77.5° | 18.0  | 18.0  | 14.7  | 9.8   | 9.8   |
| 80°   | 11.5  | 11.5  | 8.2   | 3.3   | 3.3   |
| 82.5° | 4.9   | 4.9   | 3.3   | 1.6   | 1.6   |
| 85°   | 1.6   | 1.6   | 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)