

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: P1325719

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCLDWWR1MMS\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1325719  
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: LDSQA3D05R70W2N902765DE010 3LSQCLDWWR1MMS\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,  
3LSQCLDWWR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

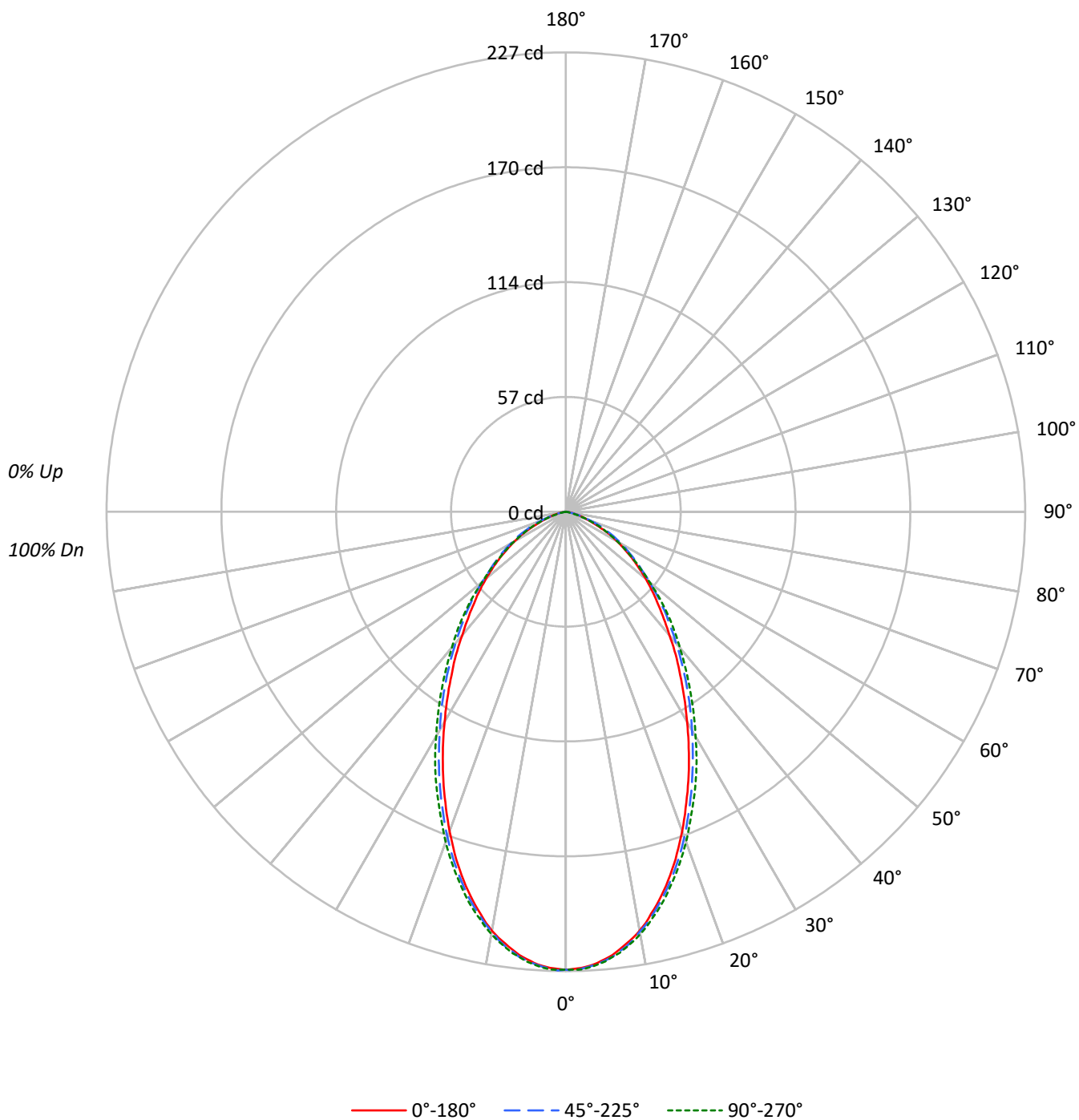
Lumens per Lamp: N/A  
Luminaire Lumens: 324.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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 |
| 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 |    |    |
| 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°  | 38974 | 38974 | 38974 |
| 5°  | 38362 | 38500 | 38570 |
| 10° | 36760 | 36830 | 37057 |
| 15° | 34108 | 34412 | 34697 |
| 20° | 30790 | 31377 | 31835 |
| 25° | 27269 | 28029 | 28713 |
| 30° | 23824 | 24779 | 25495 |
| 35° | 20709 | 21802 | 22475 |
| 40° | 17896 | 19065 | 19694 |
| 45° | 15661 | 16733 | 17244 |
| 50° | 13798 | 14441 | 14441 |
| 55° | 11950 | 12551 | 12191 |
| 60° | 10092 | 10816 | 10230 |
| 65° | 7865  | 9006  | 8191  |
| 70° | 5690  | 6697  | 5690  |
| 75° | 4259  | 3993  | 3194  |
| 80° | 2777  | 1984  | 793   |
| 85° | 790   | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17244 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.9   | 6.4       |
| 10°-20°   | 53.9   | 16.6      |
| 20°-30°   | 67.6   | 20.9      |
| 30°-40°   | 64.6   | 19.9      |
| 40°-50°   | 52.5   | 16.2      |
| 50°-60°   | 36.8   | 11.3      |
| 60°-70°   | 20.8   | 6.4       |
| 70°-80°   | 6.6    | 2.0       |
| 80°-90°   | 0.5    | 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°    | 142.3  | 43.9      |
| 0°-40°    | 206.9  | 63.9      |
| 0°-60°    | 296.2  | 91.4      |
| 0°-90°    | 324.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 324.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 226 | 226   | 226 | 226   | 226 |      |
| 5°  | 222 | 222   | 223 | 222   | 223 | 21   |
| 15° | 191 | 192   | 193 | 193   | 195 | 53   |
| 25° | 144 | 145   | 148 | 150   | 151 | 66   |
| 35° | 98  | 100   | 104 | 106   | 107 | 62   |
| 45° | 64  | 66    | 69  | 70    | 71  | 50   |
| 55° | 40  | 40    | 42  | 41    | 41  | 36   |
| 65° | 19  | 20    | 22  | 21    | 20  | 19   |
| 75° | 6   | 6     | 6   | 5     | 5   | 7    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 226.3 | 226.3 | 226.3 | 226.3 | 226.3 |
| 1°    | 225.9 | 226.3 | 226.7 | 225.9 | 226.3 |
| 2°    | 225.5 | 225.9 | 225.9 | 225.5 | 226.3 |
| 3°    | 224.7 | 225.1 | 225.1 | 224.7 | 225.5 |
| 4°    | 223.5 | 223.9 | 223.9 | 223.5 | 224.3 |
| 5°    | 221.9 | 222.3 | 222.7 | 222.3 | 223.1 |
| 6°    | 220.3 | 220.7 | 221.1 | 220.7 | 221.1 |
| 7°    | 217.9 | 218.7 | 218.7 | 218.7 | 219.5 |
| 8°    | 215.5 | 216.3 | 216.7 | 216.3 | 217.1 |
| 9°    | 213.1 | 213.5 | 213.9 | 213.9 | 214.7 |
| 10°   | 210.2 | 210.6 | 210.6 | 211.0 | 211.9 |
| 11°   | 207.0 | 207.0 | 207.8 | 207.8 | 209.0 |
| 12°   | 203.0 | 203.4 | 204.2 | 204.6 | 205.4 |
| 13°   | 199.4 | 199.8 | 200.6 | 201.0 | 202.2 |
| 14°   | 195.4 | 196.2 | 197.0 | 197.4 | 198.6 |
| 15°   | 191.3 | 191.8 | 193.0 | 193.4 | 194.6 |
| 17.5° | 180.1 | 180.5 | 182.5 | 183.3 | 184.5 |
| 20°   | 168.0 | 169.2 | 171.2 | 172.5 | 173.7 |
| 22.5° | 155.6 | 156.8 | 159.2 | 161.2 | 162.0 |
| 25°   | 143.5 | 145.1 | 147.5 | 149.9 | 151.1 |
| 27.5° | 131.5 | 133.1 | 135.9 | 138.3 | 139.9 |
| 30°   | 119.8 | 121.4 | 124.6 | 126.6 | 128.2 |
| 32.5° | 108.9 | 110.5 | 114.2 | 116.2 | 117.4 |
| 35°   | 98.5  | 100.1 | 103.7 | 105.7 | 106.9 |
| 37.5° | 89.2  | 90.9  | 94.1  | 96.1  | 96.9  |
| 40°   | 79.6  | 81.6  | 84.8  | 86.8  | 87.6  |
| 42.5° | 71.6  | 73.2  | 76.4  | 78.0  | 79.2  |
| 45°   | 64.3  | 65.9  | 68.7  | 69.9  | 70.8  |
| 47.5° | 57.9  | 58.7  | 61.1  | 61.5  | 62.3  |
| 50°   | 51.5  | 52.3  | 53.9  | 54.3  | 53.9  |
| 52.5° | 45.4  | 46.2  | 47.4  | 47.0  | 47.0  |
| 55°   | 39.8  | 40.2  | 41.8  | 41.0  | 40.6  |
| 57.5° | 34.2  | 35.0  | 36.6  | 35.4  | 35.0  |
| 60°   | 29.3  | 30.1  | 31.4  | 30.6  | 29.7  |
| 62.5° | 24.5  | 24.9  | 26.9  | 25.3  | 24.5  |
| 65°   | 19.3  | 20.5  | 22.1  | 20.9  | 20.1  |
| 67.5° | 14.5  | 16.5  | 18.1  | 16.5  | 15.7  |
| 70°   | 11.3  | 12.1  | 13.3  | 12.5  | 11.3  |
| 72.5° | 8.4   | 8.8   | 9.2   | 8.4   | 7.6   |
| 75°   | 6.4   | 6.4   | 6.0   | 5.2   | 4.8   |
| 77.5° | 4.4   | 4.4   | 3.6   | 2.4   | 2.4   |
| 80°   | 2.8   | 2.8   | 2.0   | 0.8   | 0.8   |
| 82.5° | 1.2   | 1.2   | 0.8   | 0.4   | 0.4   |
| 85°   | 0.4   | 0.4   | 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)