

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: P1317941

Luminaire Tested: LDSQA3D02R359830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317941  
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: LDSQA3D02R359830DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

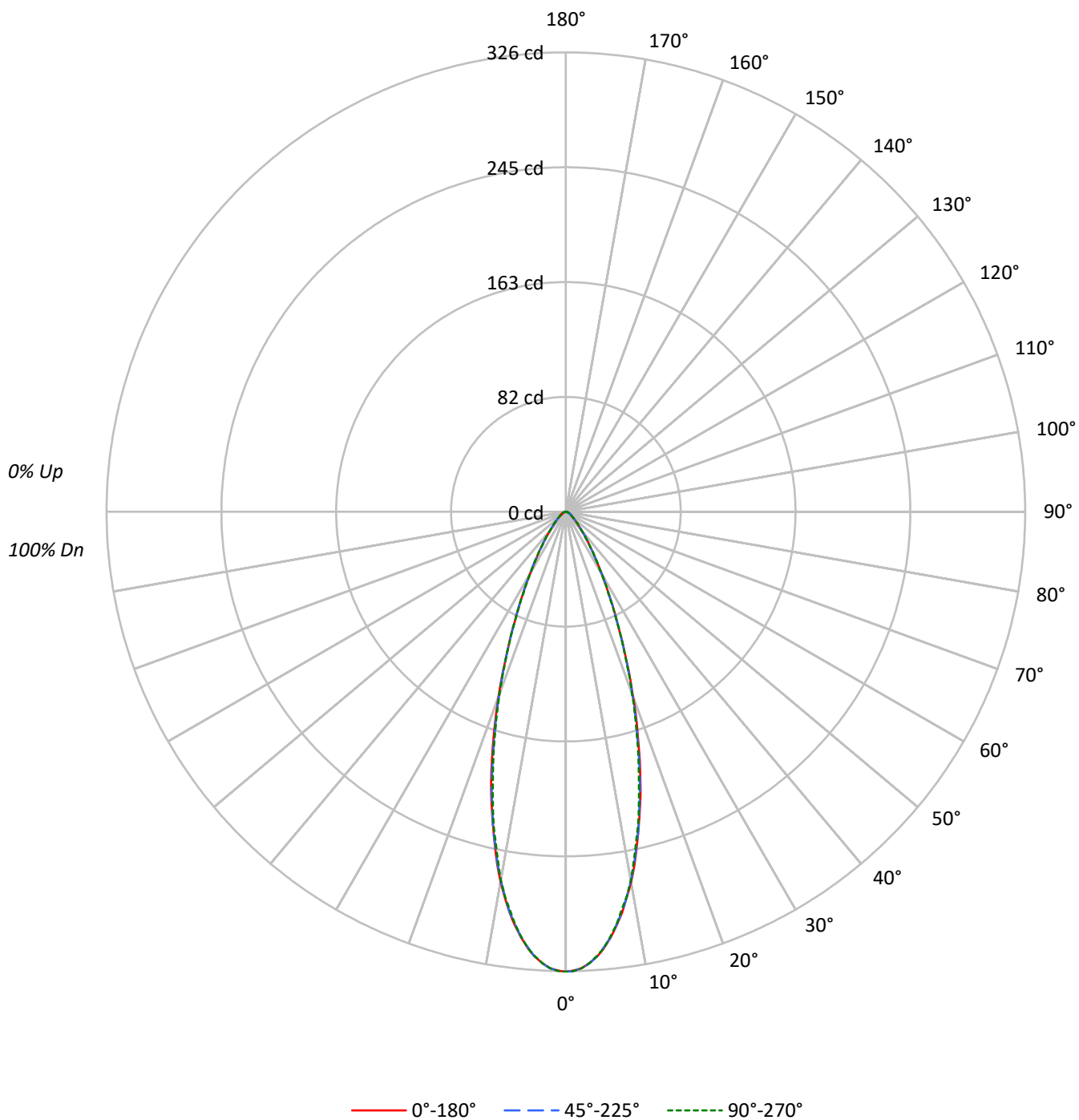
Lumens per Lamp: N/A  
Luminaire Lumens: 161.0 lumens  
Efficiency: N/A  
Efficacy: 44.7 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 56231 | 56231 | 56231 |
| 5°  | 53731 | 53628 | 53731 |
| 10° | 46640 | 46483 | 46413 |
| 15° | 36551 | 36266 | 35695 |
| 20° | 25567 | 25347 | 25182 |
| 25° | 16247 | 16342 | 16247 |
| 30° | 10003 | 10082 | 10003 |
| 35° | 6181  | 6223  | 6223  |
| 40° | 3934  | 3979  | 3979  |
| 45° | 2655  | 2704  | 2728  |
| 50° | 1902  | 1956  | 1956  |
| 55° | 1501  | 1501  | 1501  |
| 60° | 1240  | 1240  | 1240  |
| 65° | 1100  | 1100  | 1100  |
| 70° | 1007  | 1007  | 1007  |
| 75° | 799   | 799   | 799   |
| 80° | 694   | 694   | 694   |
| 85° | 395   | 395   | 790   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2728 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.2   | 17.5      |
| 10°-20°   | 55.5   | 34.5      |
| 20°-30°   | 40.1   | 24.9      |
| 30°-40°   | 19.3   | 12.0      |
| 40°-50°   | 8.9    | 5.5       |
| 50°-60°   | 4.6    | 2.9       |
| 60°-70°   | 2.7    | 1.7       |
| 70°-80°   | 1.3    | 0.8       |
| 80°-90°   | 0.3    | 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°    | 123.8  | 76.9      |
| 0°-40°    | 143.2  | 88.9      |
| 0°-60°    | 156.7  | 97.3      |
| 0°-90°    | 161.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 161.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 326 | 326   | 326 | 326   | 326 |      |
| 5°  | 311 | 312   | 310 | 310   | 311 | 28   |
| 15° | 205 | 205   | 203 | 202   | 200 | 56   |
| 25° | 86  | 86    | 86  | 86    | 86  | 40   |
| 35° | 29  | 29    | 30  | 30    | 30  | 19   |
| 45° | 11  | 11    | 11  | 11    | 11  | 9    |
| 55° | 5   | 5     | 5   | 5     | 5   | 5    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 1   | 1     | 1   | 1     | 1   | 1    |
| 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°    | 326.5 | 326.5 | 326.5 | 326.5 | 326.5 |
| 1°    | 325.6 | 326.1 | 325.9 | 326.1 | 325.9 |
| 2°    | 324.0 | 324.3 | 324.0 | 324.1 | 324.1 |
| 3°    | 320.6 | 320.9 | 320.9 | 320.7 | 320.6 |
| 4°    | 316.5 | 317.4 | 316.5 | 316.6 | 316.1 |
| 5°    | 310.8 | 311.5 | 310.2 | 310.4 | 310.8 |
| 6°    | 303.8 | 304.0 | 303.6 | 303.4 | 303.1 |
| 7°    | 295.8 | 296.5 | 295.2 | 295.4 | 295.1 |
| 8°    | 287.2 | 287.0 | 287.0 | 286.3 | 285.2 |
| 9°    | 276.9 | 277.6 | 276.5 | 276.2 | 276.3 |
| 10°   | 266.7 | 266.7 | 265.8 | 264.9 | 265.4 |
| 11°   | 255.1 | 254.7 | 254.2 | 253.0 | 252.6 |
| 12°   | 242.4 | 243.1 | 241.5 | 241.0 | 239.8 |
| 13°   | 229.4 | 230.5 | 229.8 | 227.8 | 228.0 |
| 14°   | 217.3 | 216.6 | 216.0 | 215.7 | 214.4 |
| 15°   | 205.0 | 204.6 | 203.4 | 202.5 | 200.2 |
| 17.5° | 171.3 | 171.6 | 169.3 | 168.9 | 168.0 |
| 20°   | 139.5 | 138.4 | 138.3 | 138.4 | 137.4 |
| 22.5° | 110.1 | 111.1 | 109.9 | 110.1 | 109.4 |
| 25°   | 85.5  | 85.6  | 86.0  | 86.0  | 85.5  |
| 27.5° | 66.4  | 66.4  | 66.0  | 66.4  | 65.8  |
| 30°   | 50.3  | 50.3  | 50.7  | 51.0  | 50.3  |
| 32.5° | 38.9  | 38.9  | 38.9  | 39.1  | 39.2  |
| 35°   | 29.4  | 29.4  | 29.6  | 29.6  | 29.6  |
| 37.5° | 22.7  | 22.8  | 23.0  | 23.0  | 23.0  |
| 40°   | 17.5  | 17.7  | 17.7  | 17.8  | 17.7  |
| 42.5° | 13.9  | 13.9  | 13.9  | 14.1  | 14.1  |
| 45°   | 10.9  | 11.1  | 11.1  | 11.2  | 11.2  |
| 47.5° | 8.9   | 8.9   | 8.9   | 9.1   | 9.1   |
| 50°   | 7.1   | 7.3   | 7.3   | 7.3   | 7.3   |
| 52.5° | 5.9   | 5.9   | 6.1   | 6.1   | 6.1   |
| 55°   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |
| 57.5° | 4.1   | 4.3   | 4.3   | 4.3   | 4.3   |
| 60°   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   |
| 62.5° | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 65°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   |
| 67.5° | 2.1   | 2.3   | 2.3   | 2.3   | 2.3   |
| 70°   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 72.5° | 1.4   | 1.6   | 1.6   | 1.6   | 1.6   |
| 75°   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 77.5° | 1.1   | 0.9   | 0.9   | 0.9   | 1.1   |
| 80°   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 82.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   |



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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)