

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: P1317085

Luminaire Tested: LDSQA3D02R459827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

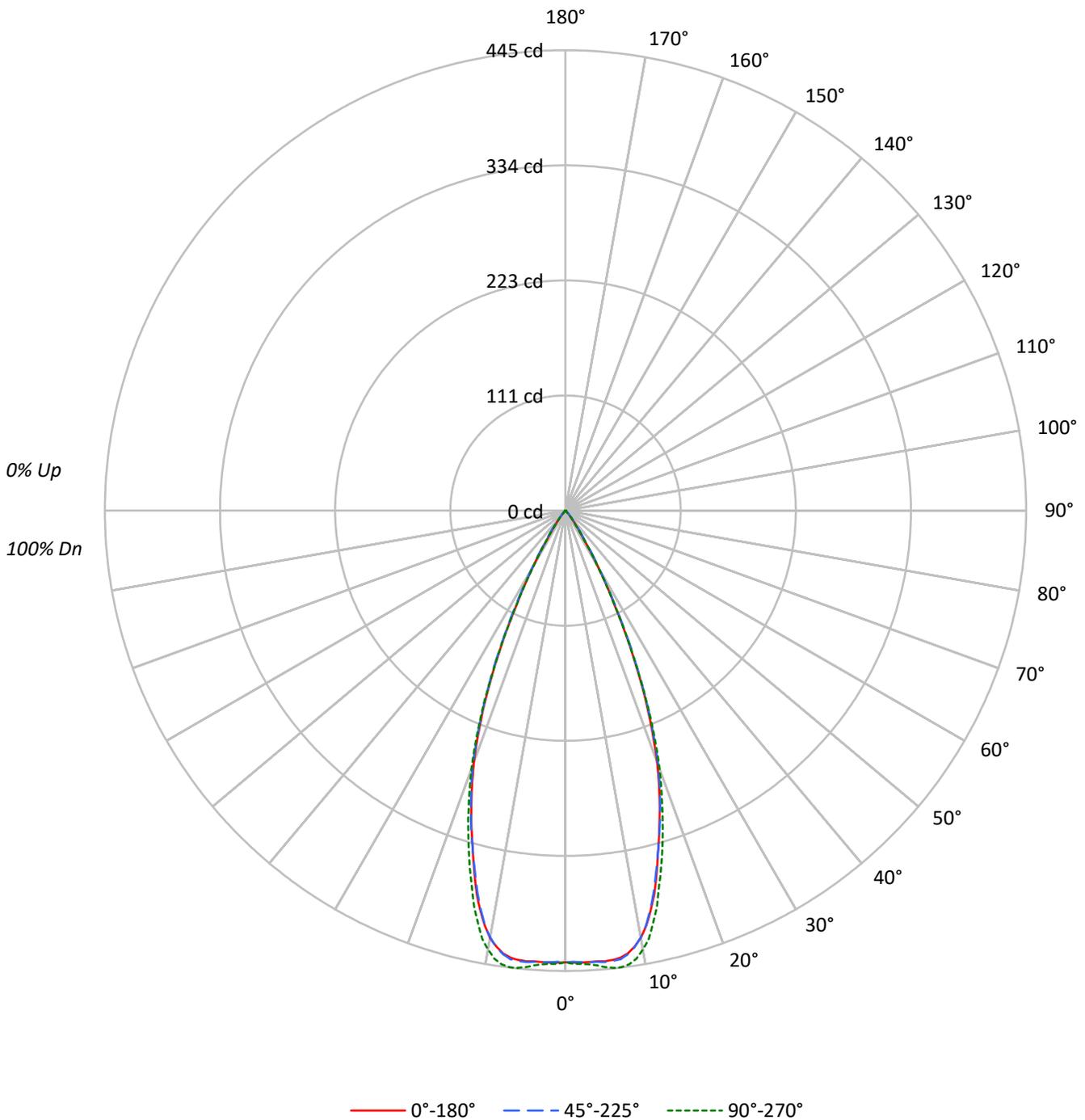
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 226.0 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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 (A<sub>in</sub>): 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: P1317085  
CATALOG NUMBER: LDSQA3D02R459827DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1317085

CATALOG NUMBER: LDSQA3D02R459827DE010 3LSQCDR1MW

**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  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97  | 97  | 97  | 95  |
| 2   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 92  | 92  | 92  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 91  | 94  | 91  | 89  | 92  | 90  | 88  | 88  | 88  | 88  | 86  |
| 4   | 101 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 88  | 86  | 90  | 87  | 85  | 88  | 86  | 84  | 84  | 84  | 84  | 82  |
| 5   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 80  | 80  | 80  | 79  |
| 6   | 94  | 86  | 82  | 78  | 93  | 86  | 81  | 78  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 79  | 76  | 76  | 76  | 76  | 75  |
| 7   | 90  | 83  | 78  | 74  | 89  | 82  | 77  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 73  | 72  |
| 8   | 87  | 79  | 74  | 71  | 86  | 79  | 74  | 71  | 78  | 73  | 70  | 77  | 73  | 70  | 76  | 72  | 70  | 70  | 70  | 70  | 69  |
| 9   | 84  | 76  | 71  | 68  | 83  | 75  | 71  | 68  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 69  | 67  | 67  | 67  | 67  | 66  |
| 10  | 81  | 73  | 68  | 65  | 80  | 72  | 68  | 65  | 72  | 67  | 65  | 71  | 67  | 64  | 70  | 67  | 64  | 64  | 64  | 64  | 63  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 75210 | 75210 | 75210 |
| 5°  | 75583 | 75722 | 76586 |
| 10° | 73327 | 73274 | 75321 |
| 15° | 61459 | 61424 | 63688 |
| 20° | 47505 | 48000 | 48678 |
| 25° | 29131 | 29720 | 29188 |
| 30° | 12489 | 13046 | 12091 |
| 35° | 3932  | 4731  | 3826  |
| 40° | 1349  | 1731  | 1304  |
| 45° | 244   | 731   | 195   |
| 50° | 134   | 268   | 134   |
| 55° | 150   | 150   | 150   |
| 60° | 103   | 103   | 103   |
| 65° | 122   | 122   | 122   |
| 70° | 101   | 101   | 101   |
| 75° | 133   | 133   | 133   |
| 80° | 198   | 198   | 198   |
| 85° | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 731 cd/sqm



TEST NUMBER: P1317085

CATALOG NUMBER: LDSQA3D02R459827DE010 3LSQCDR1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.5   | 18.4      |
| 10°-20°   | 95.9   | 42.4      |
| 20°-30°   | 70.2   | 31.1      |
| 30°-40°   | 15.5   | 6.9       |
| 40°-50°   | 1.9    | 0.8       |
| 50°-60°   | 0.4    | 0.2       |
| 60°-70°   | 0.3    | 0.1       |
| 70°-80°   | 0.2    | 0.1       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 207.6  | 91.9      |
| 0°-40°    | 223.1  | 98.7      |
| 0°-60°    | 225.5  | 99.8      |
| 0°-90°    | 226.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 226.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 437 | 437   | 437 | 437   | 437 |      |
| 5°  | 437 | 437   | 438 | 441   | 443 | 41   |
| 15° | 345 | 343   | 344 | 353   | 357 | 95   |
| 25° | 153 | 153   | 156 | 155   | 154 | 69   |
| 35° | 19  | 20    | 22  | 20    | 18  | 15   |
| 45° | 1   | 2     | 3   | 2     | 1   | 1    |
| 55° | 0   | 0     | 0   | 0     | 0   | 0    |
| 65° | 0   | 0     | 0   | 0     | 0   | 0    |
| 75° | 0   | 0     | 0   | 0     | 0   | 0    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   | 0    |



TEST NUMBER: P1317085

CATALOG NUMBER: LDSQA3D02R459827DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 436.7 | 436.7 | 436.7 | 436.7 | 436.7 |
| 1°    | 437.0 | 436.3 | 436.2 | 437.3 | 438.2 |
| 2°    | 437.3 | 436.5 | 436.7 | 437.8 | 438.3 |
| 3°    | 437.0 | 436.2 | 437.0 | 438.7 | 439.3 |
| 4°    | 436.8 | 436.5 | 437.3 | 439.7 | 440.8 |
| 5°    | 437.2 | 436.8 | 438.0 | 441.2 | 443.0 |
| 6°    | 436.7 | 436.2 | 437.8 | 441.8 | 444.5 |
| 7°    | 435.5 | 435.0 | 436.8 | 441.7 | 444.7 |
| 8°    | 432.3 | 431.3 | 433.2 | 439.2 | 442.8 |
| 9°    | 426.7 | 425.3 | 427.2 | 434.2 | 438.5 |
| 10°   | 419.3 | 417.8 | 419.0 | 425.8 | 430.7 |
| 11°   | 408.8 | 406.8 | 408.2 | 415.5 | 421.8 |
| 12°   | 395.5 | 392.7 | 394.3 | 402.7 | 407.2 |
| 13°   | 381.0 | 378.4 | 378.7 | 386.2 | 392.5 |
| 14°   | 363.0 | 359.5 | 361.0 | 368.9 | 373.9 |
| 15°   | 344.7 | 342.9 | 344.5 | 352.9 | 357.2 |
| 17.5° | 302.7 | 302.5 | 304.0 | 310.2 | 312.5 |
| 20°   | 259.2 | 259.7 | 261.9 | 265.2 | 265.6 |
| 22.5° | 207.8 | 207.9 | 210.3 | 212.6 | 212.1 |
| 25°   | 153.3 | 153.1 | 156.4 | 155.3 | 153.6 |
| 27.5° | 101.6 | 102.3 | 105.3 | 103.1 | 101.5 |
| 30°   | 62.8  | 64.1  | 65.6  | 63.0  | 60.8  |
| 32.5° | 34.0  | 36.2  | 38.3  | 36.0  | 33.8  |
| 35°   | 18.7  | 19.7  | 22.5  | 19.7  | 18.2  |
| 37.5° | 10.8  | 11.3  | 13.2  | 11.3  | 10.3  |
| 40°   | 6.0   | 6.8   | 7.7   | 6.8   | 5.8   |
| 42.5° | 2.5   | 3.8   | 4.7   | 3.8   | 2.5   |
| 45°   | 1.0   | 1.7   | 3.0   | 1.7   | 0.8   |
| 47.5° | 0.5   | 0.7   | 1.8   | 0.7   | 0.5   |
| 50°   | 0.5   | 0.5   | 1.0   | 0.5   | 0.5   |
| 52.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 55°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 57.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 60°   | 0.3   | 0.3   | 0.3   | 0.5   | 0.3   |
| 62.5° | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 65°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 67.5° | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.3   | 0.2   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 77.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1317085  
CATALOG NUMBER: LDSQA3D02R459827DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)