

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: P1317712

Luminaire Tested: LDSQA3D17R709827DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709827DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

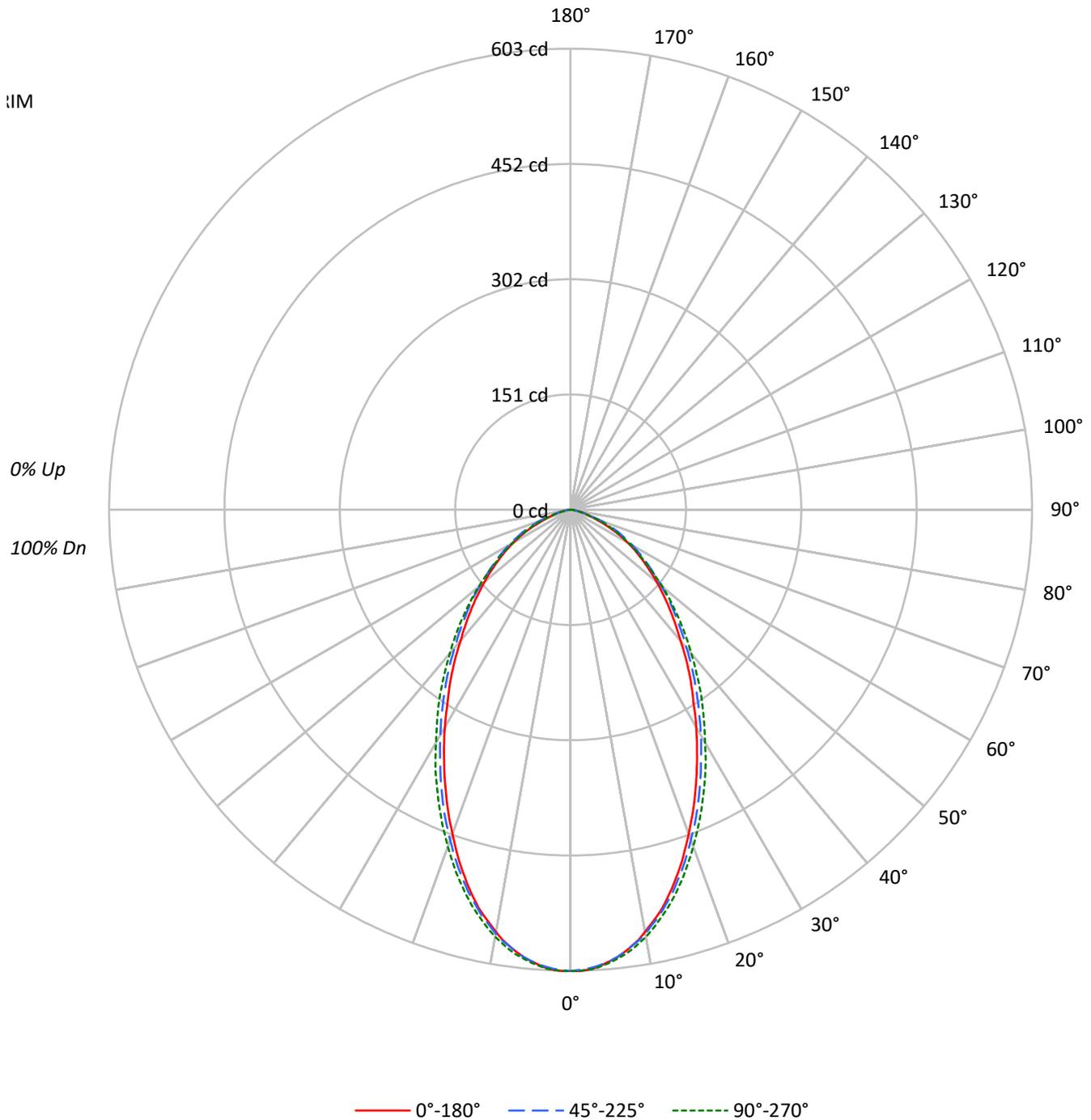
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 906.0 lumens  
Efficiency: N/A  
Efficacy: 44.4 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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

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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 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 80  | 78  |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 80  | 75  | 71  | 77  | 74  | 70  | 68  |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 61  |
| 5   | 83  | 71  | 64  | 58  | 81  | 70  | 63  | 58  | 68  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 54  |
| 6   | 77  | 65  | 58  | 52  | 75  | 64  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 58  | 51  | 47  | 57  | 51  | 46  | 55  | 50  | 46  | 44  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 42  | 53  | 47  | 42  | 51  | 46  | 42  | 40  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |
| 10  | 60  | 48  | 41  | 36  | 59  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 103919 | 103919 | 103919 |
| 5°  | 102414 | 102414 | 102795 |
| 10° | 98055  | 98440  | 99192  |
| 15° | 91378  | 92162  | 93321  |
| 20° | 82694  | 84288  | 85901  |
| 25° | 73882  | 75954  | 78044  |
| 30° | 65327  | 67734  | 69901  |
| 35° | 57565  | 60088  | 62632  |
| 40° | 50225  | 52923  | 55149  |
| 45° | 44547  | 46934  | 48541  |
| 50° | 39305  | 41369  | 41958  |
| 55° | 34530  | 36512  | 35521  |
| 60° | 29795  | 32068  | 30552  |
| 65° | 23636  | 27670  | 24981  |
| 70° | 17070  | 21501  | 18732  |
| 75° | 13109  | 13841  | 11645  |
| 80° | 8728   | 8728   | 6546   |
| 85° | 4347   | 4347   | 4347   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 48541 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.6   | 6.1       |
| 10°-20°   | 144.4  | 15.9      |
| 20°-30°   | 183.5  | 20.3      |
| 30°-40°   | 178.5  | 19.7      |
| 40°-50°   | 148.4  | 16.4      |
| 50°-60°   | 107.0  | 11.8      |
| 60°-70°   | 63.0   | 7.0       |
| 70°-80°   | 22.3   | 2.5       |
| 80°-90°   | 3.3    | 0.4       |
| 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°    | 383.5  | 42.3      |
| 0°-40°    | 562.0  | 62.0      |
| 0°-60°    | 817.4  | 90.2      |
| 0°-90°    | 906.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 906.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 603 | 603   | 603 | 603   | 603 |      |
| 5°  | 592 | 591   | 592 | 592   | 595 | 56   |
| 15° | 512 | 512   | 517 | 520   | 523 | 143  |
| 25° | 389 | 393   | 400 | 407   | 411 | 179  |
| 35° | 274 | 277   | 286 | 294   | 298 | 171  |
| 45° | 183 | 186   | 193 | 197   | 199 | 141  |
| 55° | 115 | 118   | 122 | 120   | 118 | 103  |
| 65° | 58  | 62    | 68  | 65    | 61  | 58   |
| 75° | 20  | 21    | 21  | 19    | 18  | 21   |
| 85° | 2   | 2     | 2   | 2     | 2   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 603.4 | 603.4 | 603.4 | 603.4 | 603.4 |
| 1°    | 603.4 | 602.3 | 602.3 | 602.3 | 603.4 |
| 2°    | 602.3 | 601.2 | 601.2 | 601.2 | 602.3 |
| 3°    | 600.1 | 599.0 | 599.0 | 599.0 | 601.2 |
| 4°    | 596.8 | 594.6 | 595.7 | 595.7 | 597.9 |
| 5°    | 592.4 | 591.3 | 592.4 | 592.4 | 594.6 |
| 6°    | 588.1 | 587.0 | 588.1 | 588.1 | 590.2 |
| 7°    | 582.6 | 581.5 | 582.6 | 583.7 | 585.9 |
| 8°    | 576.0 | 574.9 | 576.0 | 577.1 | 580.4 |
| 9°    | 569.4 | 568.3 | 570.5 | 571.6 | 573.8 |
| 10°   | 560.7 | 560.7 | 562.9 | 564.0 | 567.2 |
| 11°   | 551.9 | 551.9 | 554.1 | 556.3 | 559.6 |
| 12°   | 543.2 | 543.2 | 546.4 | 548.6 | 550.8 |
| 13°   | 534.4 | 533.3 | 536.6 | 538.8 | 542.1 |
| 14°   | 523.4 | 522.4 | 526.7 | 530.0 | 533.3 |
| 15°   | 512.5 | 512.5 | 516.9 | 520.2 | 523.4 |
| 17.5° | 482.9 | 484.0 | 489.5 | 493.9 | 497.2 |
| 20°   | 451.2 | 454.5 | 459.9 | 465.4 | 468.7 |
| 22.5° | 420.5 | 422.7 | 430.4 | 436.9 | 440.2 |
| 25°   | 388.8 | 393.1 | 399.7 | 407.4 | 410.7 |
| 27.5° | 358.1 | 362.5 | 369.0 | 376.7 | 382.2 |
| 30°   | 328.5 | 331.8 | 340.6 | 348.2 | 351.5 |
| 32.5° | 299.0 | 303.3 | 312.1 | 319.8 | 324.1 |
| 35°   | 273.8 | 277.1 | 285.8 | 293.5 | 297.9 |
| 37.5° | 248.6 | 251.9 | 260.6 | 267.2 | 270.5 |
| 40°   | 223.4 | 228.9 | 235.4 | 242.0 | 245.3 |
| 42.5° | 202.6 | 207.0 | 213.5 | 219.0 | 222.3 |
| 45°   | 182.9 | 186.2 | 192.7 | 197.1 | 199.3 |
| 47.5° | 164.3 | 167.5 | 174.1 | 176.3 | 177.4 |
| 50°   | 146.7 | 150.0 | 154.4 | 155.5 | 156.6 |
| 52.5° | 130.3 | 132.5 | 136.9 | 136.9 | 135.8 |
| 55°   | 115.0 | 118.3 | 121.6 | 120.5 | 118.3 |
| 57.5° | 100.7 | 101.8 | 107.3 | 105.1 | 102.9 |
| 60°   | 86.5  | 88.7  | 93.1  | 90.9  | 88.7  |
| 62.5° | 72.3  | 74.5  | 79.9  | 77.8  | 74.5  |
| 65°   | 58.0  | 62.4  | 67.9  | 64.6  | 61.3  |
| 67.5° | 43.8  | 49.3  | 54.8  | 51.5  | 49.3  |
| 70°   | 33.9  | 38.3  | 42.7  | 39.4  | 37.2  |
| 72.5° | 26.3  | 28.5  | 30.7  | 28.5  | 26.3  |
| 75°   | 19.7  | 20.8  | 20.8  | 18.6  | 17.5  |
| 77.5° | 14.2  | 15.3  | 13.1  | 11.0  | 11.0  |
| 80°   | 8.8   | 9.9   | 8.8   | 6.6   | 6.6   |
| 82.5° | 4.4   | 5.5   | 4.4   | 4.4   | 4.4   |
| 85°   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 87.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |



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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)