

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: P1315365

Luminaire Tested: LDSQA3D05R609735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315365  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R609735DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

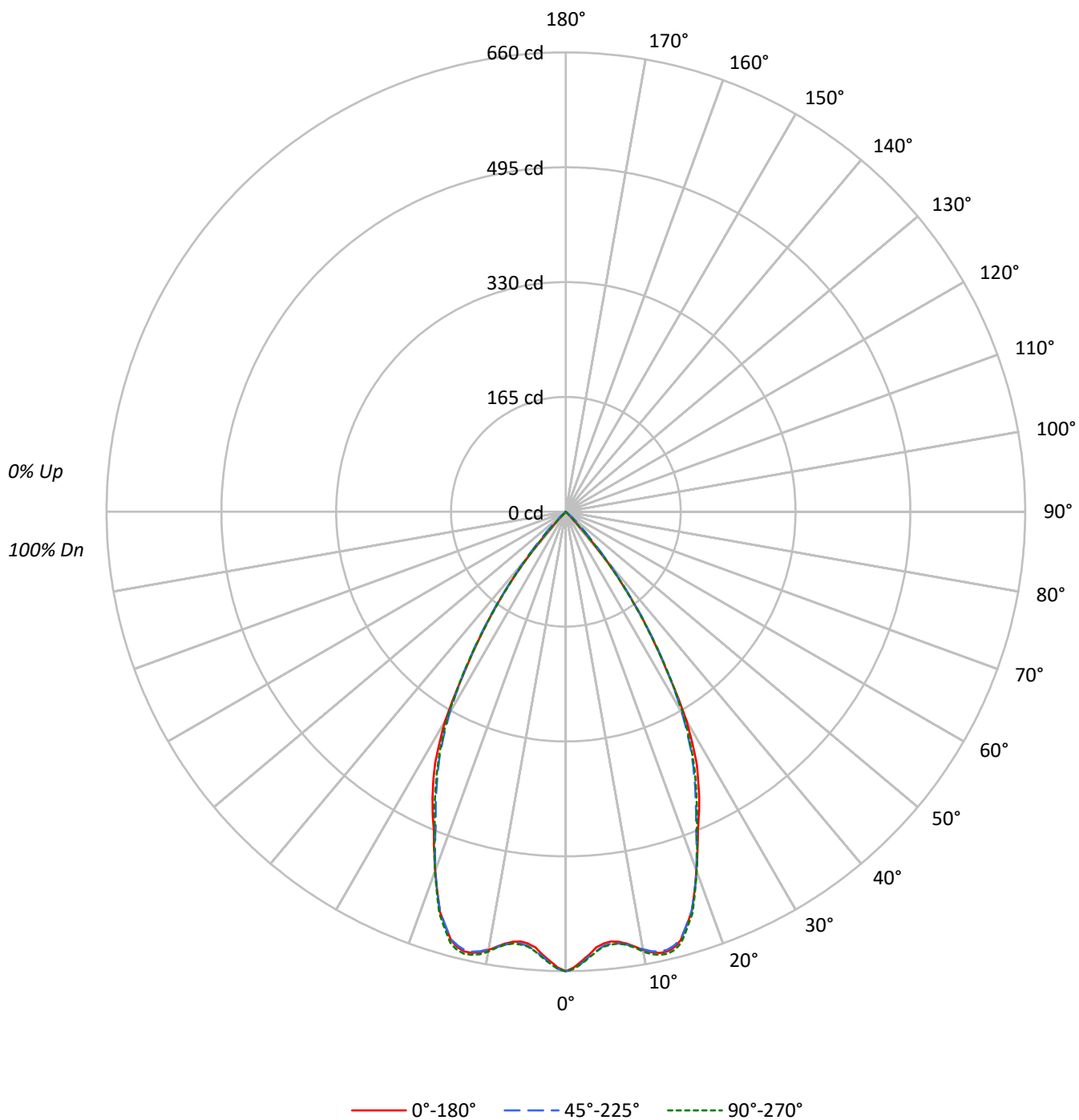
Lumens per Lamp: N/A  
Luminaire Lumens: 585.0 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

TEST NUMBER: P1315365

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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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  |  | 91  | 88  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  |  | 81  | 77  | 74  |  | 79  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  |  | 77  | 72  | 69  |  | 75  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  |  | 65  | 61  | 57  |  | 64  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 113684 | 113684 | 113684 |
| 5°  | 107670 | 108240 | 108396 |
| 10° | 111765 | 111608 | 112255 |
| 15° | 113629 | 113451 | 114289 |
| 20° | 100545 | 100545 | 100728 |
| 25° | 86177  | 83593  | 84315  |
| 30° | 68927  | 66421  | 67455  |
| 35° | 42764  | 43647  | 42659  |
| 40° | 18773  | 20661  | 19290  |
| 45° | 219    | 6698   | 560    |
| 50° | 0      | 750    | 0      |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6698 cd/sqm

TEST NUMBER: P1315365

CATALOG NUMBER: LDSQA3D05R609735DE010 3LSQCDR1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.3   | 10.3      |
| 10°-20°   | 174.8  | 29.9      |
| 20°-30°   | 202.9  | 34.7      |
| 30°-40°   | 127.8  | 21.8      |
| 40°-50°   | 19.2   | 3.3       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 437.9  | 74.9      |
| 0°-40°    | 565.7  | 96.7      |
| 0°-60°    | 585.0  | 100.0     |
| 0°-90°    | 585.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 585.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 660 | 660   | 660 | 660   | 660 |      |
| 5°  | 623 | 625   | 626 | 628   | 627 | 60   |
| 15° | 637 | 635   | 636 | 640   | 641 | 175  |
| 25° | 454 | 448   | 440 | 442   | 444 | 206  |
| 35° | 203 | 204   | 208 | 203   | 203 | 127  |
| 45° | 1   | 9     | 28  | 12    | 2   | 13   |
| 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   |      |

TEST NUMBER: P1315365

CATALOG NUMBER: LDSQA3D05R609735DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 660.1 | 660.1 | 660.1 | 660.1 | 660.1 |
| 1°    | 655.0 | 656.9 | 656.9 | 657.3 | 656.9 |
| 2°    | 646.1 | 648.9 | 648.9 | 650.3 | 649.4 |
| 3°    | 637.3 | 639.6 | 640.1 | 641.9 | 641.5 |
| 4°    | 627.5 | 631.2 | 632.6 | 633.5 | 633.1 |
| 5°    | 622.8 | 625.1 | 626.1 | 627.5 | 627.0 |
| 6°    | 620.9 | 622.8 | 623.7 | 625.1 | 625.1 |
| 7°    | 622.3 | 623.7 | 625.1 | 626.1 | 625.1 |
| 8°    | 626.5 | 627.9 | 627.9 | 629.8 | 628.4 |
| 9°    | 632.6 | 633.1 | 633.1 | 635.4 | 634.0 |
| 10°   | 639.1 | 638.2 | 638.2 | 641.5 | 641.9 |
| 11°   | 644.7 | 643.8 | 643.3 | 646.6 | 647.5 |
| 12°   | 648.0 | 646.1 | 646.1 | 650.3 | 650.8 |
| 13°   | 648.5 | 646.1 | 646.1 | 650.3 | 651.7 |
| 14°   | 644.7 | 641.9 | 642.4 | 647.1 | 648.5 |
| 15°   | 637.3 | 634.9 | 636.3 | 640.5 | 641.0 |
| 17.5° | 601.8 | 600.4 | 601.3 | 604.1 | 604.6 |
| 20°   | 548.6 | 547.7 | 548.6 | 548.6 | 549.6 |
| 22.5° | 495.9 | 493.6 | 488.9 | 491.7 | 492.2 |
| 25°   | 453.5 | 448.3 | 439.9 | 441.8 | 443.7 |
| 27.5° | 406.8 | 400.3 | 391.4 | 393.7 | 394.2 |
| 30°   | 346.6 | 343.4 | 334.0 | 336.4 | 339.2 |
| 32.5° | 267.8 | 276.6 | 271.0 | 270.6 | 271.0 |
| 35°   | 203.4 | 203.9 | 207.6 | 203.4 | 202.9 |
| 37.5° | 142.3 | 142.8 | 145.6 | 140.9 | 141.4 |
| 40°   | 83.5  | 89.6  | 91.9  | 90.0  | 85.8  |
| 42.5° | 26.1  | 46.2  | 52.3  | 45.3  | 28.9  |
| 45°   | 0.9   | 8.9   | 27.5  | 11.7  | 2.3   |
| 47.5° | 0.0   | 0.5   | 13.1  | 0.9   | 0.0   |
| 50°   | 0.0   | 0.0   | 2.8   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.5   | 0.0   | 0.0   |
| 55°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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   |



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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)