

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: P1319301

Luminaire Tested: LDSQA3D13R609835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319301  
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: LDSQA3D13R609835DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

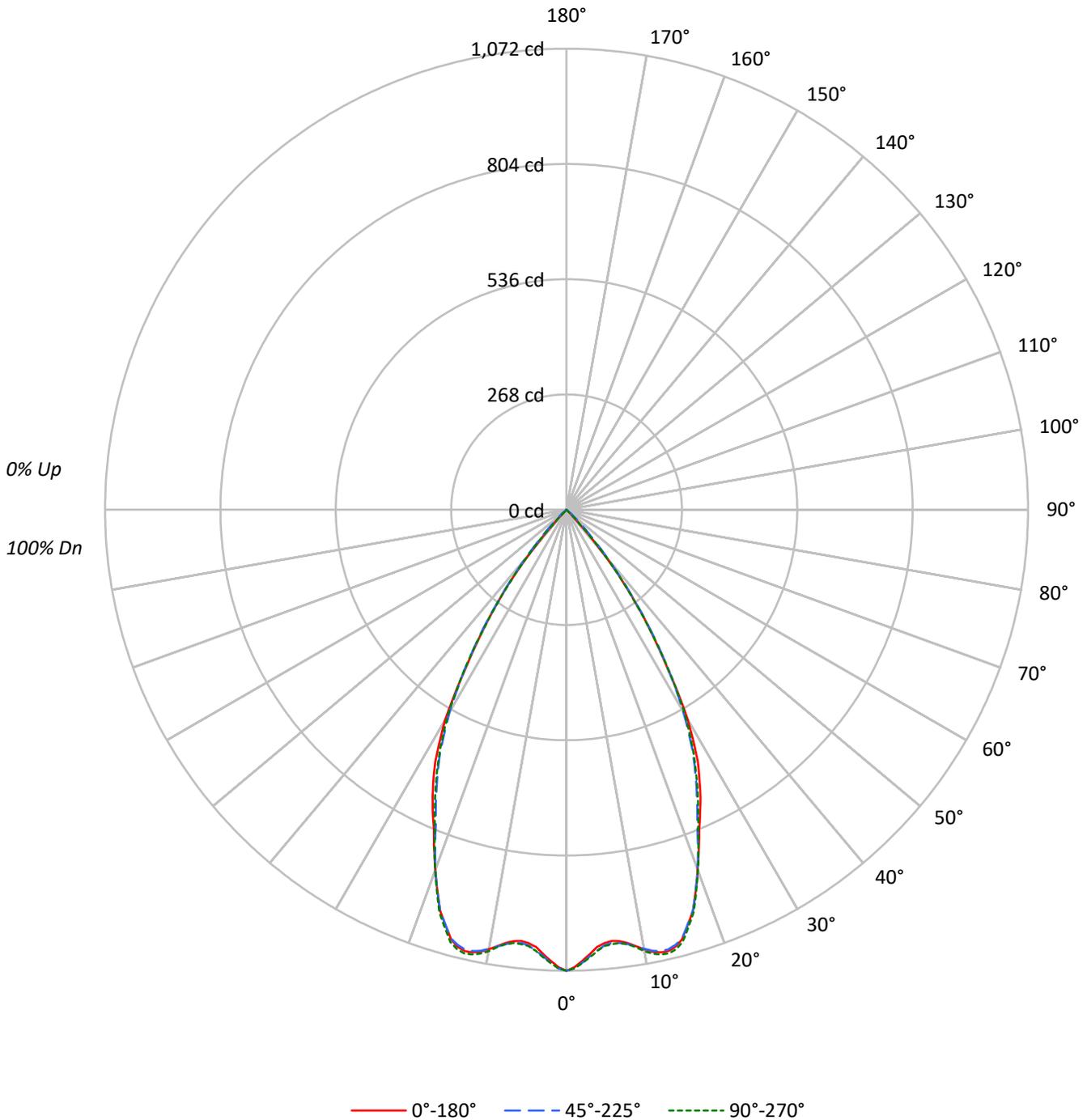
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 950.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 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): 14.5  
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  |     |     | 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 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  | 96  | 93  | 91  | 93  | 91  | 89  | 93  | 91  | 89  | 88  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  | 91  | 88  | 85  | 88  | 86  | 84  | 88  | 86  | 84  | 82  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 84  | 81  | 78  | 77  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  | 81  | 77  | 74  | 79  | 76  | 73  | 79  | 76  | 73  | 72  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  | 77  | 72  | 69  | 75  | 72  | 69  | 75  | 72  | 69  | 67  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  | 72  | 68  | 65  | 71  | 67  | 64  | 71  | 67  | 64  | 63  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 68  | 64  | 61  | 59  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 64  | 60  | 57  | 64  | 60  | 57  | 56  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 54  | 61  | 57  | 54  | 53  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 184623 | 184623 | 184623 |
| 5°  | 174851 | 175768 | 176027 |
| 10° | 181507 | 181245 | 182312 |
| 15° | 184521 | 184253 | 185590 |
| 20° | 163280 | 163280 | 163573 |
| 25° | 139936 | 135755 | 136914 |
| 30° | 111941 | 107865 | 109535 |
| 35° | 69444  | 70874  | 69297  |
| 40° | 30486  | 33543  | 31340  |
| 45° | 365    | 10887  | 926    |
| 50° | 0      | 1206   | 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: 10887 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 97.9   | 10.3      |
| 10°-20°   | 283.8  | 29.9      |
| 20°-30°   | 329.5  | 34.7      |
| 30°-40°   | 207.5  | 21.8      |
| 40°-50°   | 31.2   | 3.3       |
| 50°-60°   | 0.2    | 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       |
| 0°-30°    | 711.2  | 74.9      |
| 0°-40°    | 918.7  | 96.7      |
| 0°-60°    | 950.0  | 100.0     |
| 0°-90°    | 950.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 950.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1072 | 1072  | 1072 | 1072  | 1072 |      |
| 5°  | 1011 | 1015  | 1017 | 1019  | 1018 | 98   |
| 15° | 1035 | 1031  | 1033 | 1040  | 1041 | 284  |
| 25° | 736  | 728   | 714  | 717   | 720  | 335  |
| 35° | 330  | 331   | 337  | 330   | 330  | 206  |
| 45° | 2    | 14    | 45   | 19    | 4    | 20   |
| 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    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 |
| 1°    | 1063.7 | 1066.7 | 1066.7 | 1067.5 | 1066.7 |
| 2°    | 1049.3 | 1053.8 | 1053.8 | 1056.1 | 1054.6 |
| 3°    | 1034.9 | 1038.7 | 1039.4 | 1042.5 | 1041.7 |
| 4°    | 1019.0 | 1025.0 | 1027.3 | 1028.8 | 1028.1 |
| 5°    | 1011.4 | 1015.2 | 1016.7 | 1019.0 | 1018.2 |
| 6°    | 1008.4 | 1011.4 | 1012.9 | 1015.2 | 1015.2 |
| 7°    | 1010.6 | 1012.9 | 1015.2 | 1016.7 | 1015.2 |
| 8°    | 1017.5 | 1019.7 | 1019.7 | 1022.8 | 1020.5 |
| 9°    | 1027.3 | 1028.1 | 1028.1 | 1031.9 | 1029.6 |
| 10°   | 1037.9 | 1036.4 | 1036.4 | 1041.7 | 1042.5 |
| 11°   | 1047.0 | 1045.5 | 1044.7 | 1050.0 | 1051.5 |
| 12°   | 1052.3 | 1049.3 | 1049.3 | 1056.1 | 1056.9 |
| 13°   | 1053.1 | 1049.3 | 1049.3 | 1056.1 | 1058.4 |
| 14°   | 1047.0 | 1042.5 | 1043.2 | 1050.8 | 1053.1 |
| 15°   | 1034.9 | 1031.1 | 1033.4 | 1040.2 | 1040.9 |
| 17.5° | 977.3  | 975.0  | 976.5  | 981.1  | 981.8  |
| 20°   | 890.9  | 889.4  | 890.9  | 890.9  | 892.5  |
| 22.5° | 805.3  | 801.5  | 794.0  | 798.5  | 799.3  |
| 25°   | 736.4  | 728.1  | 714.4  | 717.4  | 720.5  |
| 27.5° | 660.6  | 650.0  | 635.6  | 639.4  | 640.2  |
| 30°   | 562.9  | 557.6  | 542.4  | 546.2  | 550.8  |
| 32.5° | 434.9  | 449.3  | 440.2  | 439.4  | 440.2  |
| 35°   | 330.3  | 331.1  | 337.1  | 330.3  | 329.6  |
| 37.5° | 231.1  | 231.8  | 236.4  | 228.8  | 229.6  |
| 40°   | 135.6  | 145.5  | 149.2  | 146.2  | 139.4  |
| 42.5° | 42.4   | 75.0   | 84.9   | 73.5   | 47.0   |
| 45°   | 1.5    | 14.4   | 44.7   | 18.9   | 3.8    |
| 47.5° | 0.0    | 0.8    | 21.2   | 1.5    | 0.0    |
| 50°   | 0.0    | 0.0    | 4.5    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.8    | 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)