

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: P1311144

Luminaire Tested: LDSQA3D05R259040DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259040DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

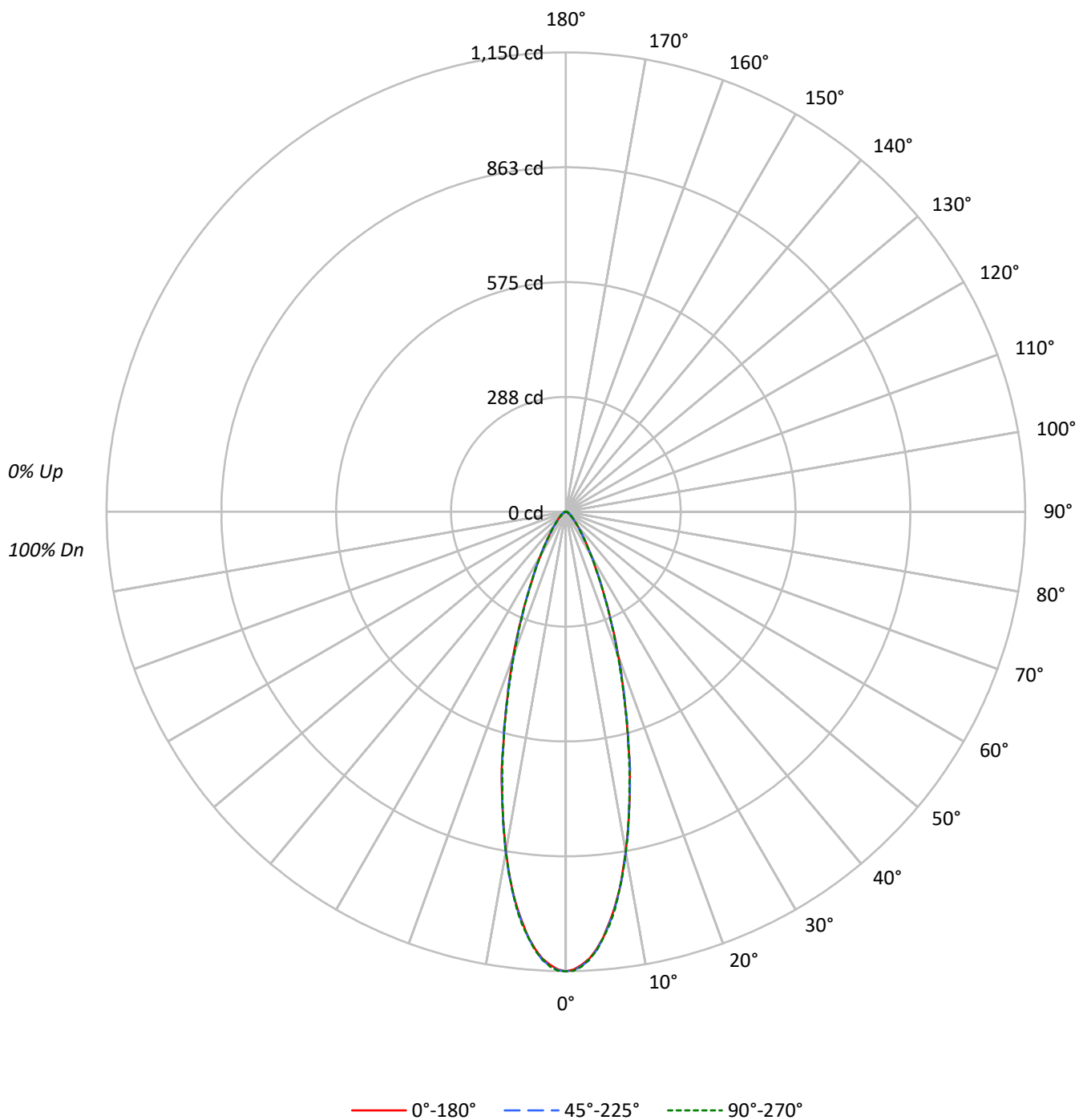
Lumens per Lamp: N/A  
Luminaire Lumens: 461.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 72  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 198142 | 198142 | 198142 |
| 5°  | 184948 | 185138 | 185224 |
| 10° | 150851 | 151323 | 151323 |
| 15° | 107745 | 108334 | 107745 |
| 20° | 70524  | 69828  | 68838  |
| 25° | 41920  | 42129  | 41920  |
| 30° | 25256  | 25256  | 25156  |
| 35° | 15390  | 15495  | 15390  |
| 40° | 9802   | 9915   | 9915   |
| 45° | 6820   | 6820   | 6820   |
| 50° | 4903   | 5037   | 5037   |
| 55° | 3873   | 3873   | 4054   |
| 60° | 3134   | 3341   | 3341   |
| 65° | 2853   | 2853   | 2853   |
| 70° | 2417   | 2417   | 2719   |
| 75° | 2129   | 2129   | 2529   |
| 80° | 2182   | 2182   | 2182   |
| 85° | 988    | 988    | 988    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6820 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.6   | 20.7      |
| 10°-20°   | 166.7  | 36.2      |
| 20°-30°   | 104.8  | 22.7      |
| 30°-40°   | 47.9   | 10.4      |
| 40°-50°   | 22.4   | 4.9       |
| 50°-60°   | 12.0   | 2.6       |
| 60°-70°   | 7.1    | 1.5       |
| 70°-80°   | 3.7    | 0.8       |
| 80°-90°   | 0.8    | 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°    | 367.0  | 79.6      |
| 0°-40°    | 415.0  | 90.0      |
| 0°-60°    | 449.4  | 97.5      |
| 0°-90°    | 461.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 461.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1150 | 1150  | 1150 | 1150  | 1150 |      |
| 5°  | 1070 | 1072  | 1071 | 1072  | 1071 | 95   |
| 15° | 604  | 608   | 608  | 609   | 604  | 167  |
| 25° | 221  | 223   | 222  | 222   | 221  | 105  |
| 35° | 73   | 73    | 74   | 74    | 73   | 48   |
| 45° | 28   | 28    | 28   | 28    | 28   | 22   |
| 55° | 13   | 13    | 13   | 14    | 14   | 12   |
| 65° | 7    | 7     | 7    | 7     | 7    | 7    |
| 75° | 3    | 3     | 3    | 4     | 4    | 4    |
| 85° | 0    | 0     | 0    | 0     | 0    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1150.5 | 1150.5 | 1150.5 | 1150.5 | 1150.5 |
| 1°    | 1145.7 | 1146.8 | 1147.8 | 1149.5 | 1148.9 |
| 2°    | 1134.9 | 1137.1 | 1137.6 | 1139.8 | 1139.2 |
| 3°    | 1120.4 | 1119.9 | 1124.2 | 1124.2 | 1121.5 |
| 4°    | 1097.8 | 1098.9 | 1099.9 | 1101.0 | 1101.6 |
| 5°    | 1069.8 | 1072.0 | 1070.9 | 1072.0 | 1071.4 |
| 6°    | 1035.4 | 1038.6 | 1038.1 | 1039.1 | 1040.8 |
| 7°    | 998.8  | 1000.9 | 1000.9 | 999.9  | 1004.2 |
| 8°    | 959.0  | 957.3  | 960.0  | 959.0  | 958.4  |
| 9°    | 911.6  | 914.8  | 915.4  | 912.7  | 913.8  |
| 10°   | 862.6  | 864.8  | 865.3  | 866.9  | 865.3  |
| 11°   | 814.2  | 814.2  | 815.3  | 818.0  | 813.7  |
| 12°   | 761.5  | 766.3  | 761.5  | 763.6  | 761.5  |
| 13°   | 711.4  | 712.5  | 711.4  | 710.9  | 707.1  |
| 14°   | 664.1  | 660.3  | 661.4  | 657.1  | 657.6  |
| 15°   | 604.3  | 608.1  | 607.6  | 608.6  | 604.3  |
| 17.5° | 485.9  | 488.1  | 487.5  | 486.5  | 481.1  |
| 20°   | 384.8  | 384.8  | 381.0  | 378.8  | 375.6  |
| 22.5° | 293.8  | 292.7  | 291.1  | 289.5  | 290.6  |
| 25°   | 220.6  | 223.3  | 221.7  | 221.7  | 220.6  |
| 27.5° | 166.8  | 170.1  | 167.4  | 165.7  | 166.8  |
| 30°   | 127.0  | 128.1  | 127.0  | 126.5  | 126.5  |
| 32.5° | 95.8   | 96.3   | 95.8   | 95.8   | 95.8   |
| 35°   | 73.2   | 73.2   | 73.7   | 73.7   | 73.2   |
| 37.5° | 56.5   | 56.5   | 56.5   | 56.5   | 57.0   |
| 40°   | 43.6   | 44.1   | 44.1   | 44.1   | 44.1   |
| 42.5° | 34.4   | 35.0   | 35.0   | 35.0   | 35.0   |
| 45°   | 28.0   | 28.0   | 28.0   | 28.0   | 28.0   |
| 47.5° | 22.6   | 22.6   | 22.6   | 22.6   | 23.1   |
| 50°   | 18.3   | 18.8   | 18.8   | 18.8   | 18.8   |
| 52.5° | 15.6   | 15.6   | 15.6   | 15.6   | 15.6   |
| 55°   | 12.9   | 12.9   | 12.9   | 13.5   | 13.5   |
| 57.5° | 10.8   | 10.8   | 11.3   | 11.3   | 11.3   |
| 60°   | 9.1    | 9.7    | 9.7    | 9.7    | 9.7    |
| 62.5° | 8.1    | 8.1    | 8.6    | 8.6    | 8.6    |
| 65°   | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 67.5° | 5.9    | 5.9    | 5.9    | 5.9    | 6.5    |
| 70°   | 4.8    | 4.8    | 4.8    | 5.4    | 5.4    |
| 72.5° | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 75°   | 3.2    | 3.2    | 3.2    | 3.8    | 3.8    |
| 77.5° | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 80°   | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    |
| 82.5° | 1.1    | 1.1    | 1.6    | 1.6    | 1.6    |
| 85°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 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)