

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: P1323779

Luminaire Tested: LDSQA3D09R359030D2WDE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

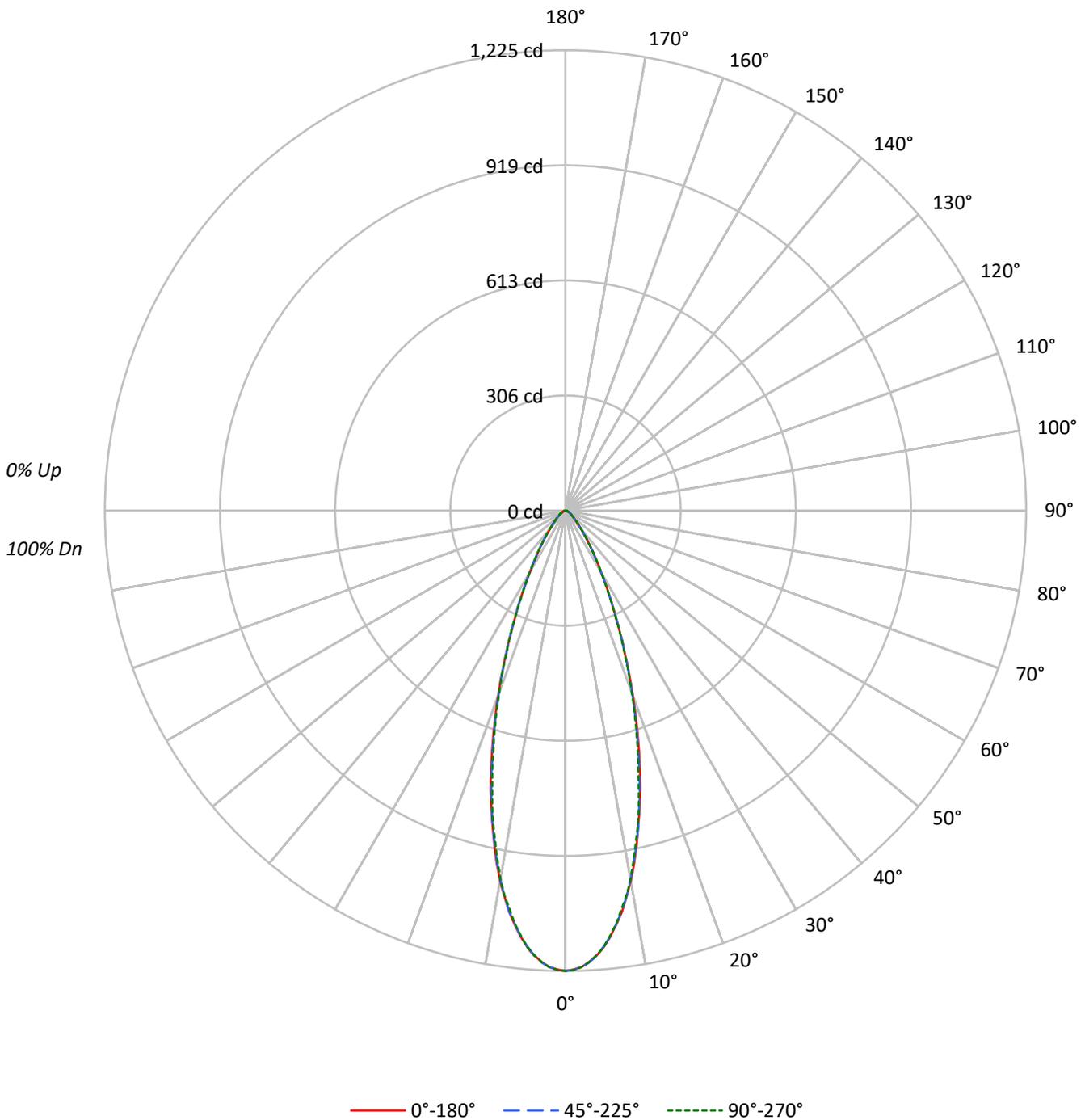
Test Method: LM-79-2019  
Report Number: P1323779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359030D2WDE010 3LSQPHRL1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 604.0 lumens  
Efficiency: N/A  
Efficacy: 41.1 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.7  
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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 82  |
| 4   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 73  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 69  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 65  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 59  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 210921 | 210921 | 210921 |
| 5°  | 201544 | 201198 | 201544 |
| 10° | 174967 | 174390 | 174145 |
| 15° | 137111 | 136024 | 133884 |
| 20° | 95926  | 95065  | 94442  |
| 25° | 60923  | 61303  | 60923  |
| 30° | 37526  | 37804  | 37526  |
| 35° | 23211  | 23358  | 23358  |
| 40° | 14748  | 14906  | 14906  |
| 45° | 9937   | 10108  | 10278  |
| 50° | 7181   | 7341   | 7341   |
| 55° | 5615   | 5615   | 5615   |
| 60° | 4616   | 4616   | 4616   |
| 65° | 4075   | 4075   | 4075   |
| 70° | 3726   | 3726   | 3726   |
| 75° | 3127   | 3127   | 3127   |
| 80° | 2678   | 2678   | 2678   |
| 85° | 1383   | 1383   | 2569   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 10278 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 105.8  | 17.5      |
| 10°-20°   | 208.4  | 34.5      |
| 20°-30°   | 150.4  | 24.9      |
| 30°-40°   | 72.5   | 12.0      |
| 40°-50°   | 33.4   | 5.5       |
| 50°-60°   | 17.3   | 2.9       |
| 60°-70°   | 10.0   | 1.7       |
| 70°-80°   | 5.0    | 0.8       |
| 80°-90°   | 1.2    | 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°    | 464.6  | 76.9      |
| 0°-40°    | 537.1  | 88.9      |
| 0°-60°    | 587.8  | 97.3      |
| 0°-90°    | 604.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 604.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1225 | 1225  | 1225 | 1225  | 1225 |      |
| 5°  | 1166 | 1168  | 1164 | 1164  | 1166 | 106  |
| 15° | 769  | 768   | 763  | 760   | 751  | 210  |
| 25° | 321  | 321   | 323  | 323   | 321  | 150  |
| 35° | 110  | 110   | 111  | 111   | 111  | 72   |
| 45° | 41   | 42    | 42   | 42    | 42   | 33   |
| 55° | 19   | 19    | 19   | 19    | 19   | 17   |
| 65° | 10   | 10    | 10   | 10    | 10   | 10   |
| 75° | 5    | 5     | 5    | 5     | 5    | 5    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1224.7 | 1224.7 | 1224.7 | 1224.7 | 1224.7 |
| 1°    | 1221.4 | 1223.4 | 1222.7 | 1223.4 | 1222.7 |
| 2°    | 1215.4 | 1216.7 | 1215.4 | 1216.0 | 1216.0 |
| 3°    | 1202.6 | 1204.0 | 1204.0 | 1203.3 | 1202.6 |
| 4°    | 1187.2 | 1190.6 | 1187.2 | 1187.9 | 1185.9 |
| 5°    | 1165.8 | 1168.5 | 1163.8 | 1164.5 | 1165.8 |
| 6°    | 1139.7 | 1140.4 | 1139.1 | 1138.4 | 1137.1 |
| 7°    | 1109.6 | 1112.3 | 1107.6 | 1108.3 | 1106.9 |
| 8°    | 1077.5 | 1076.8 | 1076.8 | 1074.1 | 1070.1 |
| 9°    | 1038.7 | 1041.4 | 1037.3 | 1036.0 | 1036.7 |
| 10°   | 1000.5 | 1000.5 | 997.2  | 993.8  | 995.8  |
| 11°   | 957.0  | 955.7  | 953.7  | 949.0  | 947.7  |
| 12°   | 909.5  | 912.2  | 906.2  | 904.2  | 899.5  |
| 13°   | 860.7  | 864.7  | 862.0  | 854.6  | 855.3  |
| 14°   | 815.1  | 812.5  | 810.5  | 809.1  | 804.4  |
| 15°   | 769.0  | 767.6  | 762.9  | 759.6  | 750.9  |
| 17.5° | 642.5  | 643.8  | 635.1  | 633.8  | 630.4  |
| 20°   | 523.4  | 519.3  | 518.7  | 519.3  | 515.3  |
| 22.5° | 412.9  | 416.9  | 412.3  | 412.9  | 410.2  |
| 25°   | 320.6  | 321.2  | 322.6  | 322.6  | 320.6  |
| 27.5° | 249.0  | 249.0  | 247.6  | 249.0  | 247.0  |
| 30°   | 188.7  | 188.7  | 190.1  | 191.4  | 188.7  |
| 32.5° | 145.9  | 145.9  | 145.9  | 146.6  | 147.2  |
| 35°   | 110.4  | 110.4  | 111.1  | 111.1  | 111.1  |
| 37.5° | 85.0   | 85.7   | 86.3   | 86.3   | 86.3   |
| 40°   | 65.6   | 66.3   | 66.3   | 66.9   | 66.3   |
| 42.5° | 52.2   | 52.2   | 52.2   | 52.9   | 52.9   |
| 45°   | 40.8   | 41.5   | 41.5   | 42.2   | 42.2   |
| 47.5° | 33.5   | 33.5   | 33.5   | 34.1   | 34.1   |
| 50°   | 26.8   | 27.4   | 27.4   | 27.4   | 27.4   |
| 52.5° | 22.1   | 22.1   | 22.8   | 22.8   | 22.8   |
| 55°   | 18.7   | 18.7   | 18.7   | 18.7   | 18.7   |
| 57.5° | 15.4   | 16.1   | 16.1   | 16.1   | 16.1   |
| 60°   | 13.4   | 13.4   | 13.4   | 13.4   | 13.4   |
| 62.5° | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   |
| 65°   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   |
| 67.5° | 8.0    | 8.7    | 8.7    | 8.7    | 8.7    |
| 70°   | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    |
| 72.5° | 5.4    | 6.0    | 6.0    | 6.0    | 6.0    |
| 75°   | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    |
| 77.5° | 4.0    | 3.3    | 3.3    | 3.3    | 4.0    |
| 80°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 82.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 85°   | 0.7    | 0.7    | 0.7    | 0.7    | 1.3    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    |



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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)