

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: P1312414

Luminaire Tested: LDSQA3D09R359050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312414  
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: LDSQA3D09R359050DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

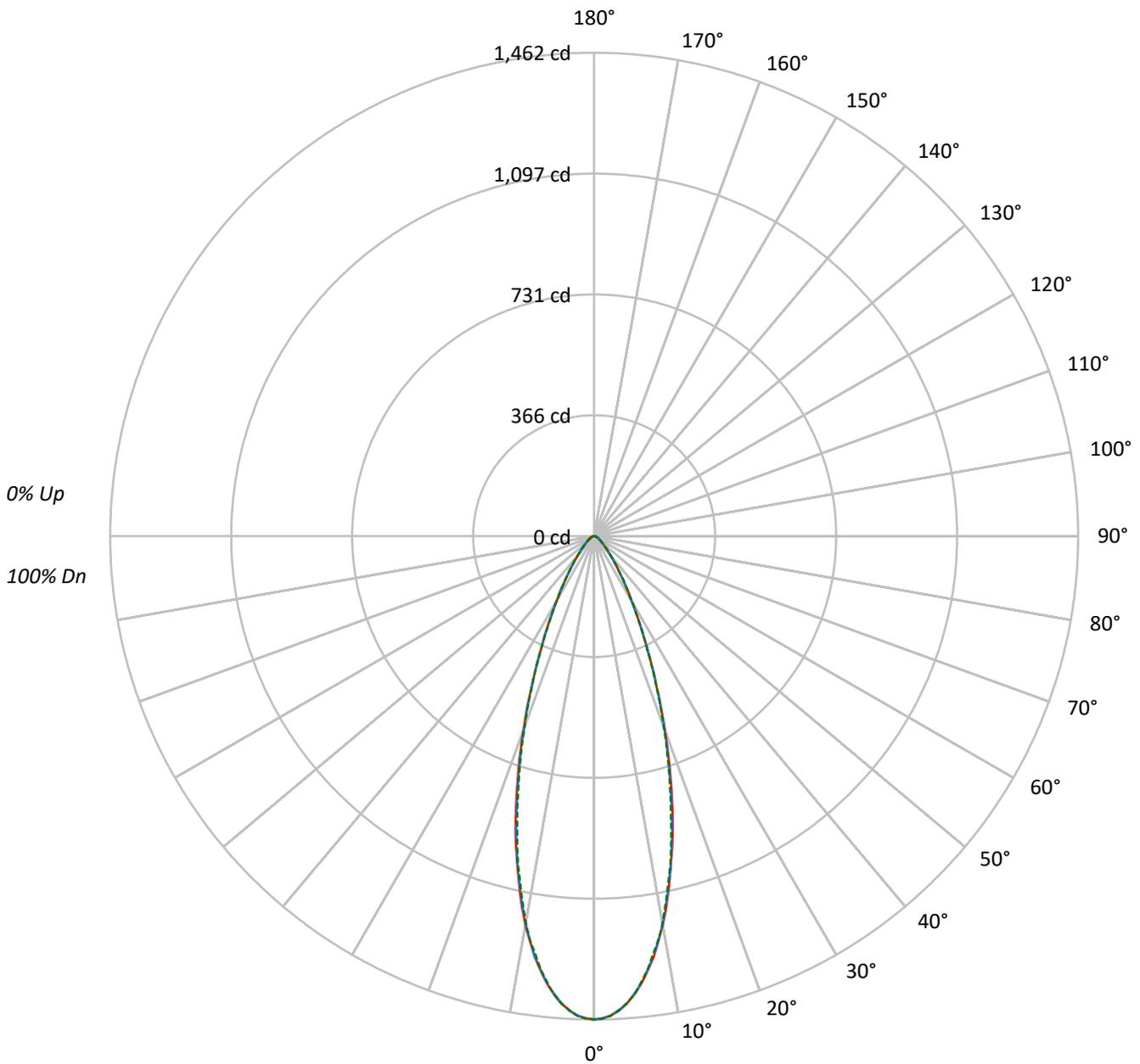
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 721.1 lumens  
Efficiency: N/A  
Efficacy: 65.0 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): 11.1  
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



— 0°-180°    - - - 45°-225°    - · - · - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 95  | 95  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 89  | 89  | 89  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 83  | 83  | 83  | 82  |
| 4   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 78  | 78  | 78  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 74  | 74  | 74  | 73  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 70  | 70  | 70  | 69  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 66  | 66  | 66  | 65  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 63  | 63  | 63  | 62  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 60  | 60  | 60  | 59  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 57  | 57  | 57  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 251790 | 251790 | 251790 |
| 5°  | 240598 | 240183 | 240598 |
| 10° | 208859 | 208159 | 207879 |
| 15° | 163660 | 162376 | 159826 |
| 20° | 114492 | 113466 | 112733 |
| 25° | 72723  | 73179  | 72723  |
| 30° | 44804  | 45123  | 44804  |
| 35° | 27710  | 27878  | 27878  |
| 40° | 17603  | 17783  | 17783  |
| 45° | 11861  | 12056  | 12251  |
| 50° | 8574   | 8788   | 8788   |
| 55° | 6726   | 6726   | 6726   |
| 60° | 5511   | 5511   | 5511   |
| 65° | 4890   | 4890   | 4890   |
| 70° | 4431   | 4431   | 4431   |
| 75° | 3726   | 3726   | 3726   |
| 80° | 3174   | 3174   | 3174   |
| 85° | 1581   | 1581   | 3162   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 12251 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.3  | 17.5      |
| 10°-20°   | 248.8  | 34.5      |
| 20°-30°   | 179.5  | 24.9      |
| 30°-40°   | 86.5   | 12.0      |
| 40°-50°   | 39.9   | 5.5       |
| 50°-60°   | 20.7   | 2.9       |
| 60°-70°   | 11.9   | 1.7       |
| 70°-80°   | 6.0    | 0.8       |
| 80°-90°   | 1.4    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 554.6  | 76.9      |
| 0°-40°    | 641.1  | 88.9      |
| 0°-60°    | 701.7  | 97.3      |
| 0°-90°    | 721.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 721.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1462 | 1462  | 1462 | 1462  | 1462 |      |
| 5°  | 1392 | 1395  | 1389 | 1390  | 1392 | 126  |
| 15° | 918  | 916   | 911  | 907   | 896  | 250  |
| 25° | 383  | 384   | 385  | 385   | 383  | 180  |
| 35° | 132  | 132   | 133  | 133   | 133  | 86   |
| 45° | 49   | 50    | 50   | 50    | 50   | 39   |
| 55° | 22   | 22    | 22   | 22    | 22   | 20   |
| 65° | 12   | 12    | 12   | 12    | 12   | 12   |
| 75° | 6    | 6     | 6    | 6     | 6    | 6    |
| 85° | 1    | 1     | 1    | 1     | 2    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P1312414

CATALOG NUMBER: LDSQA3D09R359050DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 |
| 1°    | 1458.0 | 1460.4 | 1459.6 | 1460.4 | 1459.6 |
| 2°    | 1450.8 | 1452.4 | 1450.8 | 1451.6 | 1451.6 |
| 3°    | 1435.6 | 1437.2 | 1437.2 | 1436.4 | 1435.6 |
| 4°    | 1417.2 | 1421.2 | 1417.2 | 1418.0 | 1415.6 |
| 5°    | 1391.7 | 1394.9 | 1389.3 | 1390.1 | 1391.7 |
| 6°    | 1360.5 | 1361.3 | 1359.7 | 1358.9 | 1357.3 |
| 7°    | 1324.6 | 1327.8 | 1322.2 | 1323.0 | 1321.4 |
| 8°    | 1286.2 | 1285.4 | 1285.4 | 1282.2 | 1277.4 |
| 9°    | 1239.9 | 1243.1 | 1238.3 | 1236.7 | 1237.5 |
| 10°   | 1194.3 | 1194.3 | 1190.3 | 1186.3 | 1188.7 |
| 11°   | 1142.4 | 1140.8 | 1138.4 | 1132.8 | 1131.2 |
| 12°   | 1085.7 | 1088.9 | 1081.7 | 1079.3 | 1073.7 |
| 13°   | 1027.4 | 1032.2 | 1029.0 | 1020.2 | 1021.0 |
| 14°   | 973.0  | 969.9  | 967.5  | 965.9  | 960.3  |
| 15°   | 917.9  | 916.3  | 910.7  | 906.7  | 896.4  |
| 17.5° | 766.9  | 768.5  | 758.1  | 756.5  | 752.6  |
| 20°   | 624.7  | 619.9  | 619.1  | 619.9  | 615.1  |
| 22.5° | 492.9  | 497.7  | 492.1  | 492.9  | 489.7  |
| 25°   | 382.7  | 383.5  | 385.1  | 385.1  | 382.7  |
| 27.5° | 297.2  | 297.2  | 295.6  | 297.2  | 294.8  |
| 30°   | 225.3  | 225.3  | 226.9  | 228.5  | 225.3  |
| 32.5° | 174.2  | 174.2  | 174.2  | 175.0  | 175.8  |
| 35°   | 131.8  | 131.8  | 132.6  | 132.6  | 132.6  |
| 37.5° | 101.5  | 102.3  | 103.1  | 103.1  | 103.1  |
| 40°   | 78.3   | 79.1   | 79.1   | 79.9   | 79.1   |
| 42.5° | 62.3   | 62.3   | 62.3   | 63.1   | 63.1   |
| 45°   | 48.7   | 49.5   | 49.5   | 50.3   | 50.3   |
| 47.5° | 39.9   | 39.9   | 39.9   | 40.7   | 40.7   |
| 50°   | 32.0   | 32.8   | 32.8   | 32.8   | 32.8   |
| 52.5° | 26.4   | 26.4   | 27.2   | 27.2   | 27.2   |
| 55°   | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   |
| 57.5° | 18.4   | 19.2   | 19.2   | 19.2   | 19.2   |
| 60°   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   |
| 62.5° | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   |
| 65°   | 12.0   | 12.0   | 12.0   | 12.0   | 12.0   |
| 67.5° | 9.6    | 10.4   | 10.4   | 10.4   | 10.4   |
| 70°   | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    |
| 72.5° | 6.4    | 7.2    | 7.2    | 7.2    | 7.2    |
| 75°   | 5.6    | 5.6    | 5.6    | 5.6    | 5.6    |
| 77.5° | 4.8    | 4.0    | 4.0    | 4.0    | 4.8    |
| 80°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 82.5° | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 85°   | 0.8    | 0.8    | 0.8    | 0.8    | 1.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    |



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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)