

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: P1308836

Luminaire Tested: LDSQA3D02R709030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

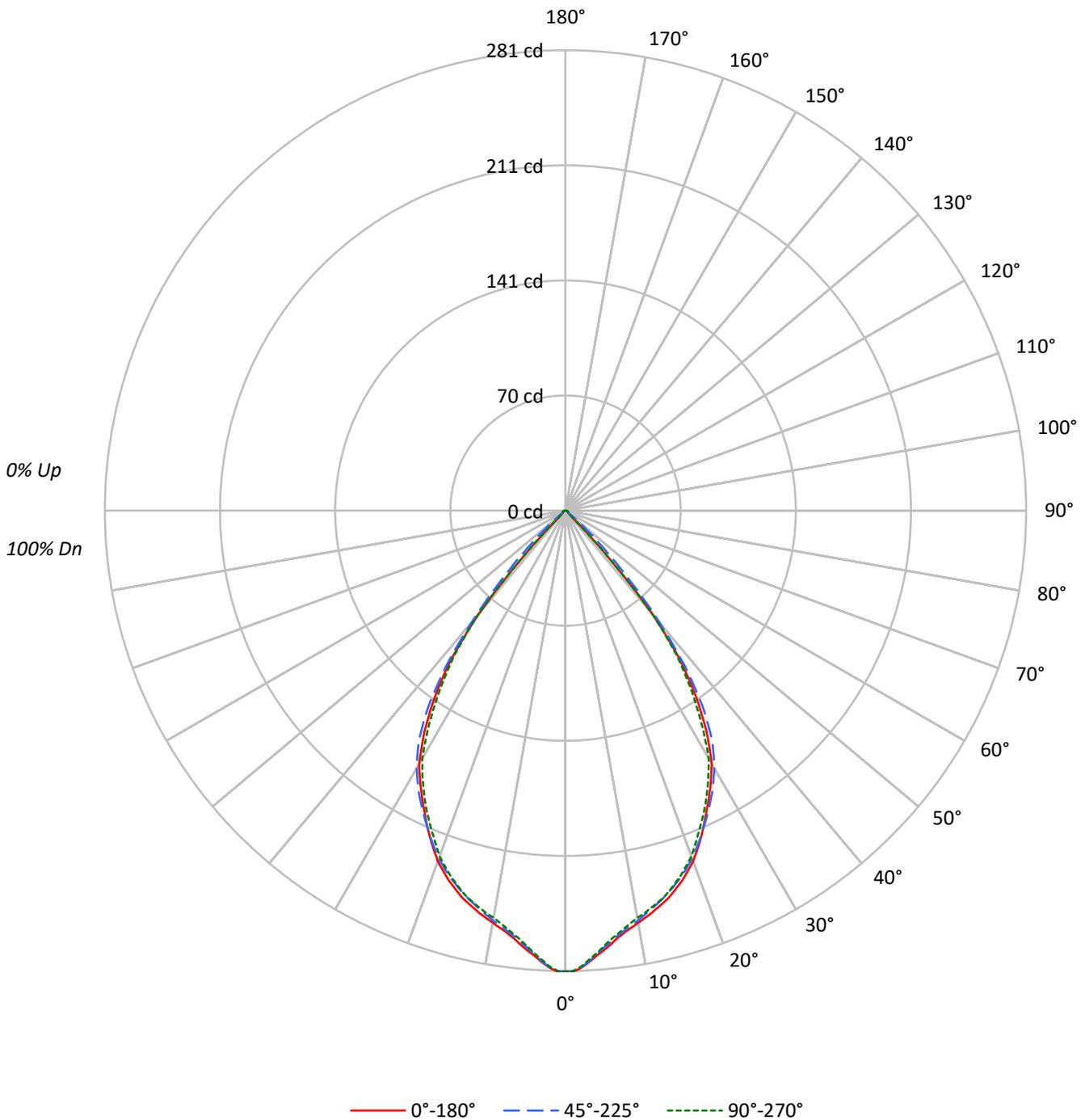
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 300.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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  |     |     |     | 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 | 100 | 100 | 100 | 100 |
| 1   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 95  | 93  | 93  | 93  | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 86  | 86  | 86  | 86  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 80  | 79  | 79  | 79  | 79  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  | 82  | 78  | 75  | 81  | 77  | 74  | 73  | 73  | 73  | 73  |
| 5   | 91  | 82  | 75  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 67  | 67  | 67  | 67  |
| 6   | 86  | 76  | 70  | 65  | 84  | 75  | 69  | 65  | 74  | 69  | 65  | 72  | 68  | 64  | 71  | 67  | 64  | 62  | 62  | 62  | 62  |
| 7   | 81  | 71  | 65  | 60  | 80  | 70  | 64  | 60  | 69  | 64  | 60  | 68  | 63  | 59  | 67  | 62  | 59  | 58  | 58  | 58  | 58  |
| 8   | 77  | 67  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 56  | 64  | 59  | 55  | 63  | 58  | 55  | 54  | 54  | 54  | 54  |
| 9   | 73  | 62  | 56  | 52  | 71  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 59  | 55  | 51  | 50  | 50  | 50  | 50  |
| 10  | 69  | 59  | 53  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 47  | 47  | 47  | 47  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 48463 | 48463 | 48463 |
| 5°  | 46574 | 46315 | 46159 |
| 10° | 44682 | 44437 | 44122 |
| 15° | 43558 | 43077 | 43041 |
| 20° | 41732 | 41420 | 41145 |
| 25° | 38632 | 38917 | 38176 |
| 30° | 35498 | 36114 | 34762 |
| 35° | 29266 | 30654 | 28152 |
| 40° | 18638 | 20054 | 18638 |
| 45° | 1315  | 8671  | 1437  |
| 50° | 589   | 1768  | 589   |
| 55° | 661   | 661   | 661   |
| 60° | 689   | 689   | 689   |
| 65° | 611   | 693   | 611   |
| 70° | 604   | 755   | 604   |
| 75° | 665   | 665   | 665   |
| 80° | 694   | 694   | 694   |
| 85° | 395   | 988   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8671 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.1   | 8.4       |
| 10°-20°   | 68.0   | 22.7      |
| 20°-30°   | 93.4   | 31.1      |
| 30°-40°   | 85.6   | 28.5      |
| 40°-50°   | 22.7   | 7.6       |
| 50°-60°   | 2.0    | 0.7       |
| 60°-70°   | 1.7    | 0.6       |
| 70°-80°   | 1.1    | 0.4       |
| 80°-90°   | 0.4    | 0.1       |
| 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°    | 186.5  | 62.2      |
| 0°-40°    | 272.1  | 90.7      |
| 0°-60°    | 296.8  | 98.9      |
| 0°-90°    | 300.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 300.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 281 | 281   | 281 | 281   | 281 |      |
| 5°  | 269 | 268   | 268 | 268   | 267 | 25   |
| 15° | 244 | 242   | 242 | 242   | 241 | 69   |
| 25° | 203 | 204   | 205 | 202   | 201 | 93   |
| 35° | 139 | 141   | 146 | 139   | 134 | 84   |
| 45° | 5   | 18    | 36  | 18    | 6   | 16   |
| 55° | 2   | 2     | 2   | 2     | 2   | 2    |
| 65° | 2   | 2     | 2   | 2     | 2   | 2    |
| 75° | 1   | 1     | 1   | 1     | 1   | 1    |
| 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°    | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 |
| 1°    | 281.4 | 280.9 | 281.4 | 281.4 | 280.9 |
| 2°    | 279.2 | 278.7 | 278.9 | 278.7 | 278.4 |
| 3°    | 276.0 | 275.3 | 275.5 | 275.0 | 274.5 |
| 4°    | 272.3 | 271.6 | 271.6 | 271.4 | 270.9 |
| 5°    | 269.4 | 268.2 | 267.9 | 267.5 | 267.0 |
| 6°    | 266.0 | 264.8 | 264.5 | 263.8 | 263.3 |
| 7°    | 262.6 | 261.6 | 261.4 | 260.4 | 260.4 |
| 8°    | 259.9 | 258.7 | 258.7 | 257.5 | 257.5 |
| 9°    | 257.7 | 256.2 | 256.2 | 255.3 | 254.8 |
| 10°   | 255.5 | 254.1 | 254.1 | 252.8 | 252.3 |
| 11°   | 253.3 | 252.1 | 251.6 | 250.9 | 250.6 |
| 12°   | 251.4 | 249.7 | 249.2 | 248.9 | 248.4 |
| 13°   | 248.9 | 247.2 | 246.7 | 246.5 | 246.2 |
| 14°   | 246.7 | 244.5 | 244.3 | 243.8 | 244.1 |
| 15°   | 244.3 | 242.1 | 241.6 | 241.6 | 241.4 |
| 17.5° | 236.7 | 235.3 | 234.5 | 234.1 | 233.6 |
| 20°   | 227.7 | 226.5 | 226.0 | 225.0 | 224.5 |
| 22.5° | 216.0 | 215.8 | 215.5 | 214.3 | 212.4 |
| 25°   | 203.3 | 204.1 | 204.8 | 202.4 | 200.9 |
| 27.5° | 191.1 | 193.1 | 193.8 | 191.4 | 188.2 |
| 30°   | 178.5 | 180.2 | 181.6 | 178.2 | 174.8 |
| 32.5° | 160.2 | 164.3 | 166.5 | 162.6 | 154.8 |
| 35°   | 139.2 | 141.4 | 145.8 | 139.2 | 133.9 |
| 37.5° | 114.8 | 116.1 | 119.5 | 115.1 | 111.4 |
| 40°   | 82.9  | 86.6  | 89.2  | 86.6  | 82.9  |
| 42.5° | 37.3  | 52.2  | 59.0  | 55.1  | 39.0  |
| 45°   | 5.4   | 18.3  | 35.6  | 18.5  | 5.9   |
| 47.5° | 2.2   | 2.9   | 18.5  | 2.7   | 2.2   |
| 50°   | 2.2   | 2.2   | 6.6   | 2.2   | 2.2   |
| 52.5° | 2.2   | 2.2   | 2.4   | 2.2   | 2.2   |
| 55°   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 57.5° | 2.0   | 2.0   | 2.2   | 2.0   | 2.0   |
| 60°   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 62.5° | 1.7   | 2.0   | 2.0   | 2.0   | 1.7   |
| 65°   | 1.5   | 1.7   | 1.7   | 1.7   | 1.5   |
| 67.5° | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 70°   | 1.2   | 1.5   | 1.5   | 1.5   | 1.2   |
| 72.5° | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 75°   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 77.5° | 0.7   | 1.0   | 1.0   | 1.0   | 0.7   |
| 80°   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 82.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 85°   | 0.2   | 0.5   | 0.5   | 0.5   | 0.2   |
| 87.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |



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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)