

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: P1308551

Luminaire Tested: LDSQA3D24R209027D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R209027D010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

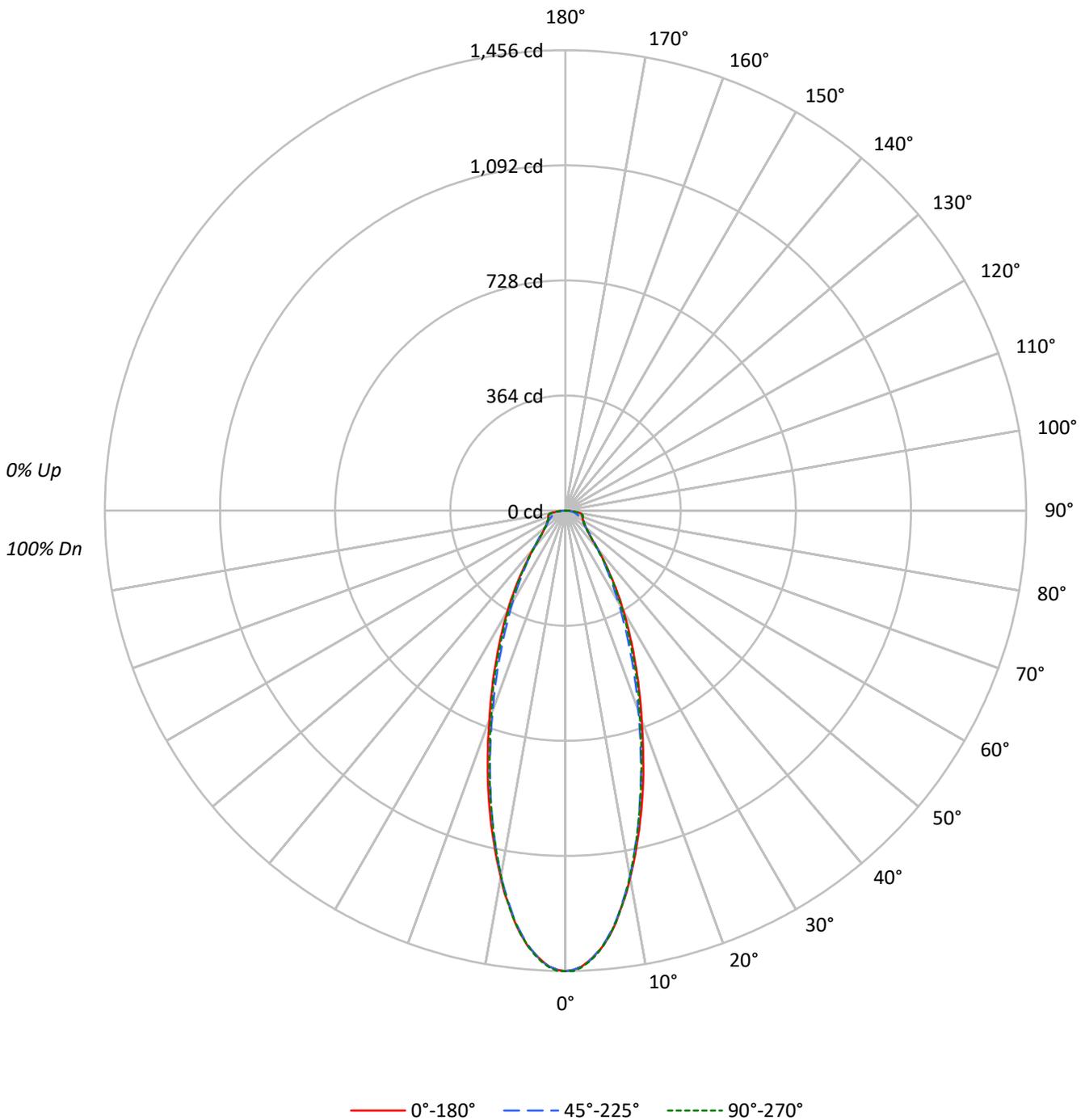
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1027.0 lumens  
Efficiency: N/A  
Efficacy: 35.7 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  |     |     |     |     |
| 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   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 91  | 91  | 91  | 89  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 83  | 87  | 84  | 82  | 82  | 82  | 82  | 80  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  | 83  | 79  | 75  | 81  | 77  | 74  | 74  | 74  | 74  | 72  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 69  | 75  | 71  | 68  | 68  | 68  | 68  | 66  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 63  | 61  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 69  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 59  | 59  | 59  | 57  |
| 7   | 78  | 67  | 61  | 56  | 77  | 67  | 60  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 55  | 55  | 55  | 53  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 52  | 60  | 55  | 51  | 51  | 51  | 51  | 50  |
| 9   | 71  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 57  | 52  | 48  | 48  | 48  | 48  | 47  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 46  | 46  | 46  | 44  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 250808 | 250808 | 250808 |
| 5°  | 238644 | 238022 | 238644 |
| 10° | 206008 | 205378 | 205064 |
| 15° | 167190 | 163321 | 163981 |
| 20° | 128806 | 123179 | 125507 |
| 25° | 97845  | 90643  | 95108  |
| 30° | 72586  | 66123  | 70418  |
| 35° | 51279  | 47873  | 50522  |
| 40° | 35342  | 35342  | 34532  |
| 45° | 25963  | 27279  | 25963  |
| 50° | 22747  | 22747  | 22747  |
| 55° | 21709  | 21168  | 21709  |
| 60° | 22389  | 20529  | 22389  |
| 65° | 24288  | 20620  | 24288  |
| 70° | 29105  | 20947  | 29105  |
| 75° | 37263  | 22824  | 37263  |
| 80° | 46614  | 23307  | 44829  |
| 85° | 35766  | 21341  | 39323  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 46614 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 125.0  | 12.2      |
| 10°-20°   | 255.1  | 24.8      |
| 20°-30°   | 227.8  | 22.2      |
| 30°-40°   | 149.5  | 14.6      |
| 40°-50°   | 86.9   | 8.5       |
| 50°-60°   | 64.5   | 6.3       |
| 60°-70°   | 54.5   | 5.3       |
| 70°-80°   | 45.0   | 4.4       |
| 80°-90°   | 18.8   | 1.8       |
| 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°    | 607.8  | 59.2      |
| 0°-40°    | 757.3  | 73.7      |
| 0°-60°    | 908.7  | 88.5      |
| 0°-90°    | 1027.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1027.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1456 | 1456  | 1456 | 1456  | 1456 |      |
| 5°  | 1380 | 1379  | 1377 | 1379  | 1380 | 125  |
| 15° | 938  | 929   | 916  | 918   | 920  | 259  |
| 25° | 515  | 500   | 477  | 490   | 500  | 237  |
| 35° | 244  | 237   | 228  | 235   | 240  | 155  |
| 45° | 107  | 108   | 112  | 108   | 107  | 86   |
| 55° | 72   | 70    | 70   | 70    | 72   | 66   |
| 65° | 60   | 54    | 51   | 54    | 60   | 60   |
| 75° | 56   | 42    | 34   | 42    | 56   | 57   |
| 85° | 18   | 20    | 11   | 20    | 20   | 21   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1456.3 | 1456.3 | 1456.3 | 1456.3 | 1456.3 |
| 1°    | 1452.7 | 1454.5 | 1452.7 | 1454.5 | 1456.3 |
| 2°    | 1443.6 | 1445.4 | 1443.6 | 1443.6 | 1445.4 |
| 3°    | 1425.6 | 1427.4 | 1427.4 | 1427.4 | 1429.2 |
| 4°    | 1403.9 | 1405.7 | 1403.9 | 1405.7 | 1407.5 |
| 5°    | 1380.4 | 1378.6 | 1376.8 | 1378.6 | 1380.4 |
| 6°    | 1347.9 | 1346.1 | 1344.3 | 1346.1 | 1347.9 |
| 7°    | 1311.7 | 1309.9 | 1308.1 | 1308.1 | 1309.9 |
| 8°    | 1266.6 | 1268.4 | 1263.0 | 1266.6 | 1268.4 |
| 9°    | 1226.8 | 1223.2 | 1219.6 | 1219.6 | 1223.2 |
| 10°   | 1178.0 | 1174.4 | 1174.4 | 1172.6 | 1172.6 |
| 12.5° | 1058.8 | 1051.6 | 1046.1 | 1046.1 | 1047.9 |
| 15°   | 937.7  | 928.7  | 916.0  | 917.9  | 919.7  |
| 17.5° | 816.7  | 805.8  | 789.6  | 793.2  | 796.8  |
| 20°   | 702.8  | 692.0  | 672.1  | 679.4  | 684.8  |
| 22.5° | 605.3  | 589.0  | 570.9  | 576.4  | 594.4  |
| 25°   | 514.9  | 500.5  | 477.0  | 489.6  | 500.5  |
| 27.5° | 435.4  | 419.2  | 399.3  | 412.0  | 422.8  |
| 30°   | 365.0  | 350.5  | 332.5  | 343.3  | 354.1  |
| 32.5° | 301.7  | 289.1  | 276.4  | 283.7  | 292.7  |
| 35°   | 243.9  | 236.7  | 227.7  | 234.9  | 240.3  |
| 37.5° | 196.9  | 193.3  | 189.7  | 193.3  | 191.5  |
| 40°   | 157.2  | 159.0  | 157.2  | 157.2  | 153.6  |
| 42.5° | 124.7  | 130.1  | 131.9  | 128.3  | 124.7  |
| 45°   | 106.6  | 108.4  | 112.0  | 108.4  | 106.6  |
| 47.5° | 94.0   | 94.0   | 95.8   | 94.0   | 92.1   |
| 50°   | 84.9   | 84.9   | 84.9   | 84.9   | 84.9   |
| 52.5° | 77.7   | 77.7   | 75.9   | 77.7   | 77.7   |
| 55°   | 72.3   | 70.5   | 70.5   | 70.5   | 72.3   |
| 57.5° | 68.7   | 66.9   | 65.0   | 66.9   | 68.7   |
| 60°   | 65.0   | 61.4   | 59.6   | 61.4   | 65.0   |
| 62.5° | 61.4   | 57.8   | 56.0   | 57.8   | 61.4   |
| 65°   | 59.6   | 54.2   | 50.6   | 54.2   | 59.6   |
| 67.5° | 57.8   | 50.6   | 47.0   | 50.6   | 59.6   |
| 70°   | 57.8   | 47.0   | 41.6   | 48.8   | 57.8   |
| 72.5° | 56.0   | 45.2   | 37.9   | 45.2   | 56.0   |
| 75°   | 56.0   | 41.6   | 34.3   | 41.6   | 56.0   |
| 77.5° | 52.4   | 37.9   | 28.9   | 37.9   | 52.4   |
| 80°   | 47.0   | 34.3   | 23.5   | 34.3   | 45.2   |
| 82.5° | 34.3   | 28.9   | 18.1   | 28.9   | 34.3   |
| 85°   | 18.1   | 19.9   | 10.8   | 19.9   | 19.9   |
| 87.5° | 1.8    | 7.2    | 3.6    | 10.8   | 9.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)