

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: P1311470

Luminaire Tested: LDSQA3D13R259040DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311470  
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: LDSQA3D13R259040DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

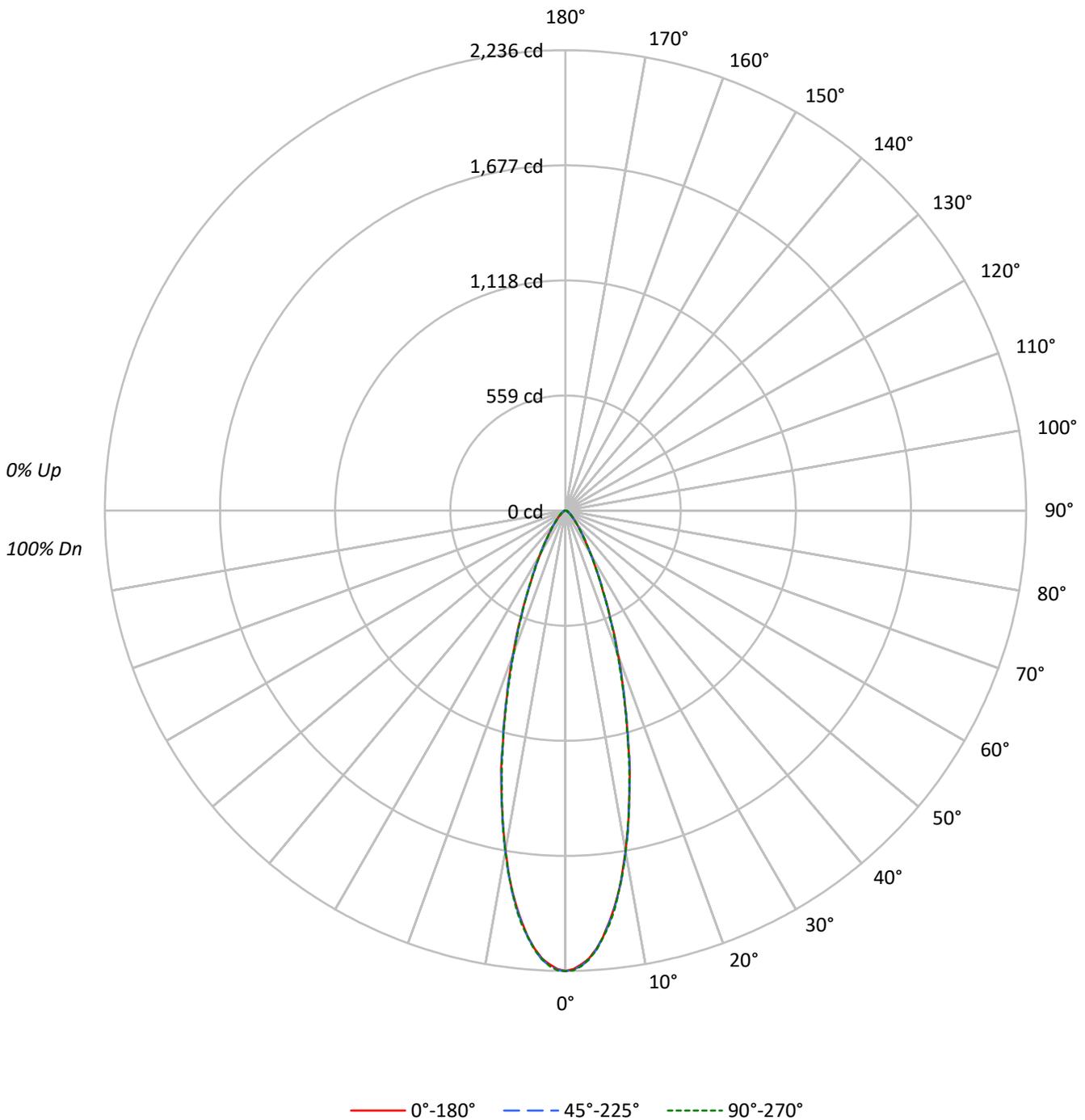
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 896.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 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): 14.6  
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 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 96  | 94  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 92  | 90  | 93  | 92  | 90  | 88  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 89  | 87  | 85  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 79  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 82  | 78  | 76  | 74  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  | 79  | 76  | 73  | 78  | 75  | 72  | 78  | 75  | 72  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 71  | 69  | 75  | 71  | 69  | 67  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 72  | 68  | 66  | 64  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 66  | 63  | 69  | 66  | 63  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 63  | 60  | 67  | 63  | 60  | 67  | 63  | 60  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 385124 | 385124 | 385124 |
| 5°  | 359470 | 359833 | 360006 |
| 10° | 293203 | 294112 | 294112 |
| 15° | 209429 | 210534 | 209429 |
| 20° | 137053 | 135716 | 133809 |
| 25° | 81483  | 81882  | 81483  |
| 30° | 49080  | 49080  | 48881  |
| 35° | 29897  | 30128  | 29897  |
| 40° | 19042  | 19290  | 19290  |
| 45° | 13250  | 13250  | 13250  |
| 50° | 9538   | 9806   | 9806   |
| 55° | 7537   | 7537   | 7837   |
| 60° | 6131   | 6476   | 6476   |
| 65° | 5542   | 5542   | 5542   |
| 70° | 4733   | 4733   | 5287   |
| 75° | 4192   | 4192   | 4858   |
| 80° | 4166   | 4166   | 4166   |
| 85° | 1976   | 1976   | 1976   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13250 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 185.8  | 20.7      |
| 10°-20°   | 323.9  | 36.2      |
| 20°-30°   | 203.6  | 22.7      |
| 30°-40°   | 93.1   | 10.4      |
| 40°-50°   | 43.5   | 4.9       |
| 50°-60°   | 23.4   | 2.6       |
| 60°-70°   | 13.8   | 1.5       |
| 70°-80°   | 7.2    | 0.8       |
| 80°-90°   | 1.6    | 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°    | 713.4  | 79.6      |
| 0°-40°    | 806.5  | 90.0      |
| 0°-60°    | 873.4  | 97.5      |
| 0°-90°    | 896.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 896.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2236 | 2236  | 2236 | 2236  | 2236 |      |
| 5°  | 2079 | 2084  | 2081 | 2084  | 2082 | 185  |
| 15° | 1175 | 1182  | 1181 | 1183  | 1175 | 324  |
| 25° | 429  | 434   | 431  | 431   | 429  | 204  |
| 35° | 142  | 142   | 143  | 143   | 142  | 93   |
| 45° | 54   | 54    | 54   | 54    | 54   | 43   |
| 55° | 25   | 25    | 25   | 26    | 26   | 23   |
| 65° | 14   | 14    | 14   | 14    | 14   | 13   |
| 75° | 6    | 6     | 6    | 7     | 7    | 7    |
| 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°    | 2236.2 | 2236.2 | 2236.2 | 2236.2 | 2236.2 |
| 1°    | 2226.8 | 2228.9 | 2230.9 | 2234.1 | 2233.0 |
| 2°    | 2205.8 | 2210.0 | 2211.1 | 2215.3 | 2214.2 |
| 3°    | 2177.6 | 2176.6 | 2184.9 | 2184.9 | 2179.7 |
| 4°    | 2133.7 | 2135.8 | 2137.9 | 2139.9 | 2141.0 |
| 5°    | 2079.3 | 2083.5 | 2081.4 | 2083.5 | 2082.4 |
| 6°    | 2012.3 | 2018.6 | 2017.6 | 2019.7 | 2022.8 |
| 7°    | 1941.2 | 1945.4 | 1945.4 | 1943.3 | 1951.7 |
| 8°    | 1863.8 | 1860.7 | 1865.9 | 1863.8 | 1862.8 |
| 9°    | 1771.8 | 1778.1 | 1779.1 | 1773.9 | 1776.0 |
| 10°   | 1676.6 | 1680.8 | 1681.8 | 1685.0 | 1681.8 |
| 11°   | 1582.5 | 1582.5 | 1584.6 | 1589.8 | 1581.4 |
| 12°   | 1480.0 | 1489.4 | 1480.0 | 1484.2 | 1480.0 |
| 13°   | 1382.7 | 1384.8 | 1382.7 | 1381.7 | 1374.3 |
| 14°   | 1290.7 | 1283.3 | 1285.4 | 1277.1 | 1278.1 |
| 15°   | 1174.6 | 1181.9 | 1180.8 | 1182.9 | 1174.6 |
| 17.5° | 944.5  | 948.6  | 947.6  | 945.5  | 935.1  |
| 20°   | 747.8  | 747.8  | 740.5  | 736.3  | 730.1  |
| 22.5° | 571.1  | 569.0  | 565.8  | 562.7  | 564.8  |
| 25°   | 428.8  | 434.1  | 430.9  | 430.9  | 428.8  |
| 27.5° | 324.2  | 330.5  | 325.3  | 322.1  | 324.2  |
| 30°   | 246.8  | 248.9  | 246.8  | 245.8  | 245.8  |
| 32.5° | 186.2  | 187.2  | 186.2  | 186.2  | 186.2  |
| 35°   | 142.2  | 142.2  | 143.3  | 143.3  | 142.2  |
| 37.5° | 109.8  | 109.8  | 109.8  | 109.8  | 110.9  |
| 40°   | 84.7   | 85.8   | 85.8   | 85.8   | 85.8   |
| 42.5° | 66.9   | 68.0   | 68.0   | 68.0   | 68.0   |
| 45°   | 54.4   | 54.4   | 54.4   | 54.4   | 54.4   |
| 47.5° | 43.9   | 43.9   | 43.9   | 43.9   | 45.0   |
| 50°   | 35.6   | 36.6   | 36.6   | 36.6   | 36.6   |
| 52.5° | 30.3   | 30.3   | 30.3   | 30.3   | 30.3   |
| 55°   | 25.1   | 25.1   | 25.1   | 26.1   | 26.1   |
| 57.5° | 20.9   | 20.9   | 22.0   | 22.0   | 22.0   |
| 60°   | 17.8   | 18.8   | 18.8   | 18.8   | 18.8   |
| 62.5° | 15.7   | 15.7   | 16.7   | 16.7   | 16.7   |
| 65°   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   |
| 67.5° | 11.5   | 11.5   | 11.5   | 11.5   | 12.6   |
| 70°   | 9.4    | 9.4    | 9.4    | 10.5   | 10.5   |
| 72.5° | 8.4    | 8.4    | 8.4    | 8.4    | 8.4    |
| 75°   | 6.3    | 6.3    | 6.3    | 7.3    | 7.3    |
| 77.5° | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    |
| 80°   | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    |
| 82.5° | 2.1    | 2.1    | 3.1    | 3.1    | 3.1    |
| 85°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 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)