

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: P1315609

Luminaire Tested: LDSQA3D13R259735DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315609
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: LDSQA3D13R259735DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

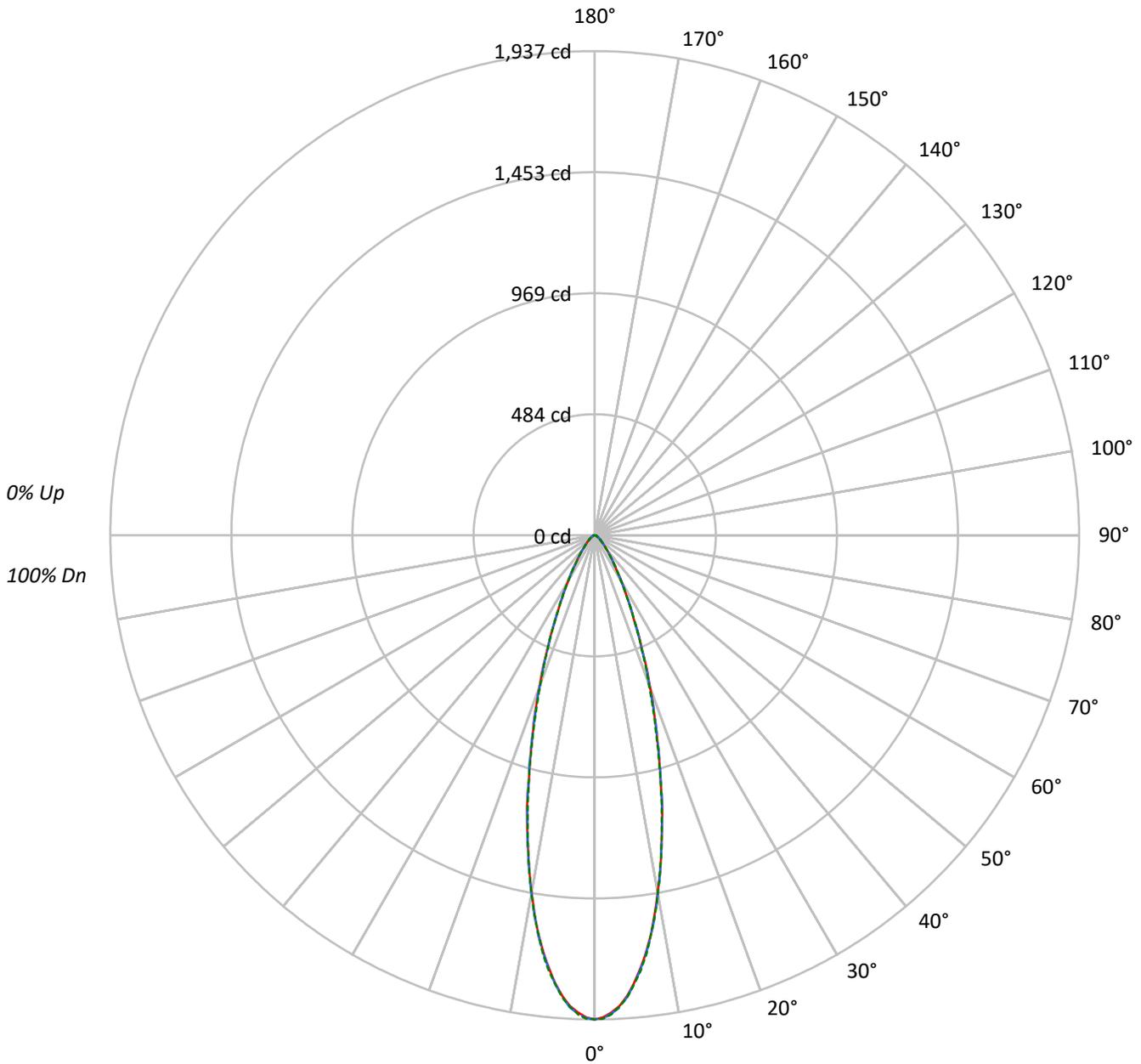
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.0 lumens
Efficiency: N/A
Efficacy: 53.1 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_{in}): 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% Up
100% Dn

— 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 | 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° | 333544 | 333544 | 333544 |
| 5° | 311323 | 311634 | 311790 |
| 10° | 253942 | 254729 | 254729 |
| 15° | 181383 | 182345 | 181383 |
| 20° | 118708 | 117535 | 115885 |
| 25° | 70576 | 70918 | 70576 |
| 30° | 42517 | 42517 | 42338 |
| 35° | 25902 | 26091 | 25902 |
| 40° | 16502 | 16704 | 16704 |
| 45° | 11472 | 11472 | 11472 |
| 50° | 8252 | 8493 | 8493 |
| 55° | 6516 | 6516 | 6786 |
| 60° | 5304 | 5614 | 5614 |
| 65° | 4809 | 4809 | 4809 |
| 70° | 4129 | 4129 | 4582 |
| 75° | 3593 | 3593 | 4192 |
| 80° | 3570 | 3570 | 3570 |
| 85° | 1778 | 1778 | 1778 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11472 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 160.9 | 20.7 |
| 10°-20° | 280.5 | 36.2 |
| 20°-30° | 176.4 | 22.7 |
| 30°-40° | 80.7 | 10.4 |
| 40°-50° | 37.7 | 4.9 |
| 50°-60° | 20.3 | 2.6 |
| 60°-70° | 12.0 | 1.5 |
| 70°-80° | 6.2 | 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 |
| 0°-30° | 617.8 | 79.6 |
| 0°-40° | 698.5 | 90.0 |
| 0°-60° | 756.4 | 97.5 |
| 0°-90° | 776.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 776.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1937 | 1937 | 1937 | 1937 | 1937 | |
| 5° | 1801 | 1804 | 1803 | 1804 | 1804 | 161 |
| 15° | 1017 | 1024 | 1023 | 1024 | 1017 | 281 |
| 25° | 371 | 376 | 373 | 373 | 371 | 177 |
| 35° | 123 | 123 | 124 | 124 | 123 | 80 |
| 45° | 47 | 47 | 47 | 47 | 47 | 37 |
| 55° | 22 | 22 | 22 | 23 | 23 | 20 |
| 65° | 12 | 12 | 12 | 12 | 12 | 12 |
| 75° | 5 | 5 | 5 | 6 | 6 | 6 |
| 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° | 1936.7 | 1936.7 | 1936.7 | 1936.7 | 1936.7 |
| 1° | 1928.5 | 1930.3 | 1932.2 | 1934.9 | 1934.0 |
| 2° | 1910.4 | 1914.0 | 1914.9 | 1918.6 | 1917.7 |
| 3° | 1886.0 | 1885.1 | 1892.3 | 1892.3 | 1887.8 |
| 4° | 1847.9 | 1849.7 | 1851.5 | 1853.3 | 1854.3 |
| 5° | 1800.8 | 1804.4 | 1802.6 | 1804.4 | 1803.5 |
| 6° | 1742.8 | 1748.3 | 1747.4 | 1749.2 | 1751.9 |
| 7° | 1681.2 | 1684.9 | 1684.9 | 1683.0 | 1690.3 |
| 8° | 1614.2 | 1611.5 | 1616.0 | 1614.2 | 1613.3 |
| 9° | 1534.5 | 1539.9 | 1540.8 | 1536.3 | 1538.1 |
| 10° | 1452.1 | 1455.7 | 1456.6 | 1459.3 | 1456.6 |
| 11° | 1370.5 | 1370.5 | 1372.3 | 1376.9 | 1369.6 |
| 12° | 1281.8 | 1289.9 | 1281.8 | 1285.4 | 1281.8 |
| 13° | 1197.5 | 1199.3 | 1197.5 | 1196.6 | 1190.3 |
| 14° | 1117.8 | 1111.5 | 1113.3 | 1106.0 | 1106.9 |
| 15° | 1017.3 | 1023.6 | 1022.7 | 1024.5 | 1017.3 |
| 17.5° | 818.0 | 821.6 | 820.7 | 818.9 | 809.8 |
| 20° | 647.7 | 647.7 | 641.3 | 637.7 | 632.3 |
| 22.5° | 494.6 | 492.8 | 490.1 | 487.3 | 489.2 |
| 25° | 371.4 | 375.9 | 373.2 | 373.2 | 371.4 |
| 27.5° | 280.8 | 286.2 | 281.7 | 279.0 | 280.8 |
| 30° | 213.8 | 215.6 | 213.8 | 212.9 | 212.9 |
| 32.5° | 161.2 | 162.1 | 161.2 | 161.2 | 161.2 |
| 35° | 123.2 | 123.2 | 124.1 | 124.1 | 123.2 |
| 37.5° | 95.1 | 95.1 | 95.1 | 95.1 | 96.0 |
| 40° | 73.4 | 74.3 | 74.3 | 74.3 | 74.3 |
| 42.5° | 58.0 | 58.9 | 58.9 | 58.9 | 58.9 |
| 45° | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 47.5° | 38.0 | 38.0 | 38.0 | 38.0 | 39.0 |
| 50° | 30.8 | 31.7 | 31.7 | 31.7 | 31.7 |
| 52.5° | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 |
| 55° | 21.7 | 21.7 | 21.7 | 22.6 | 22.6 |
| 57.5° | 18.1 | 18.1 | 19.0 | 19.0 | 19.0 |
| 60° | 15.4 | 16.3 | 16.3 | 16.3 | 16.3 |
| 62.5° | 13.6 | 13.6 | 14.5 | 14.5 | 14.5 |
| 65° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 67.5° | 10.0 | 10.0 | 10.0 | 10.0 | 10.9 |
| 70° | 8.2 | 8.2 | 8.2 | 9.1 | 9.1 |
| 72.5° | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| 75° | 5.4 | 5.4 | 5.4 | 6.3 | 6.3 |
| 77.5° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 80° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 82.5° | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 |
| 85° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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)