

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: P1320546

Luminaire Tested: LDSQA3D02R15B2750DE010 3LSQPHR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R15B2750DE010 3LSQPHR1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

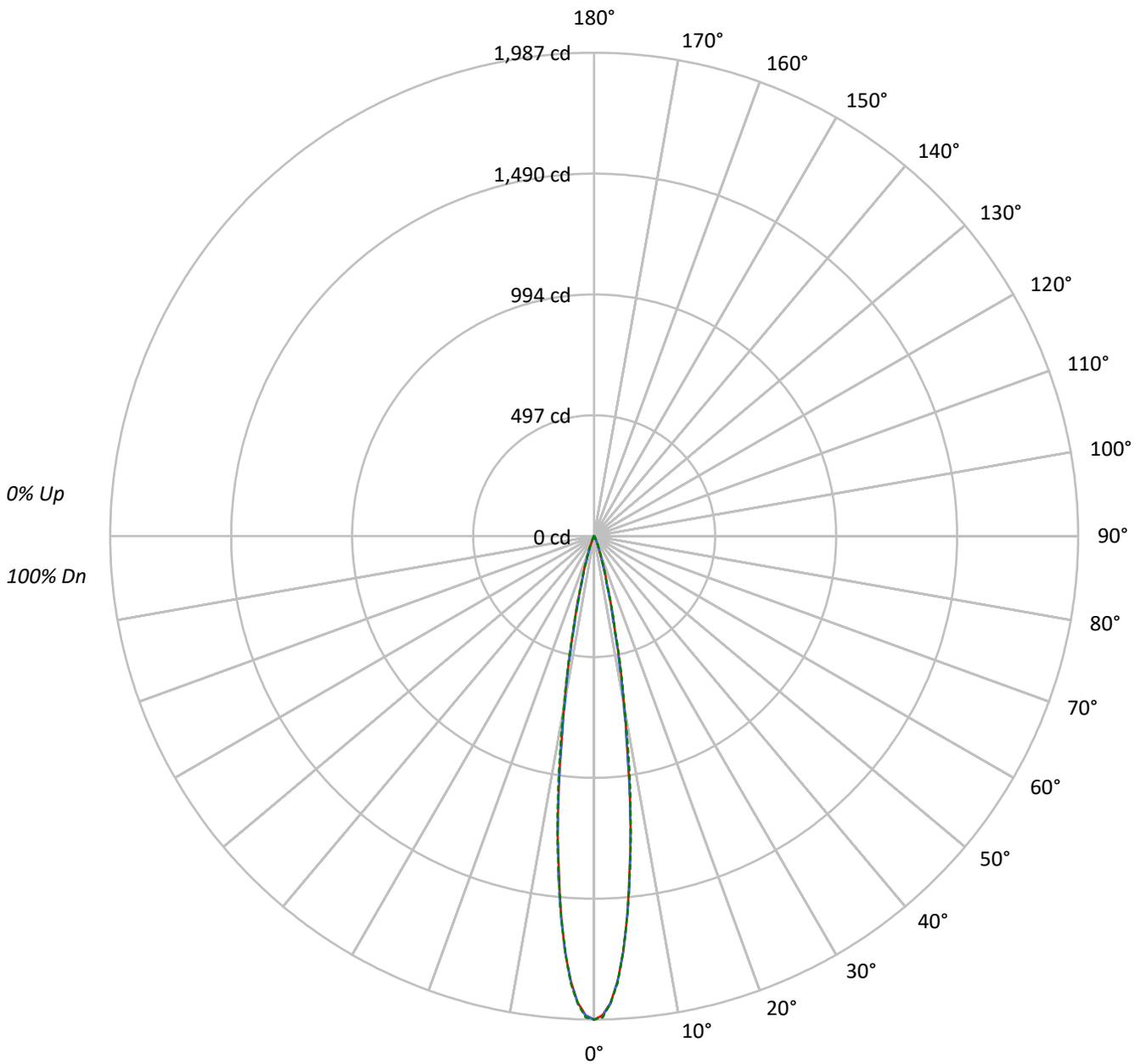
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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 | | | | |
| 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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 104 | 103 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 104 | 102 | 102 | 101 | 100 | 100 | 99 | 98 | 98 | 98 | 98 | 97 |
| 3 | 110 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 103 | 101 | 99 | 101 | 99 | 97 | 99 | 97 | 96 | 96 | 97 | 96 | 95 |
| 4 | 108 | 104 | 100 | 98 | 106 | 103 | 100 | 98 | 101 | 98 | 96 | 99 | 97 | 95 | 97 | 96 | 94 | 97 | 96 | 94 | 93 |
| 5 | 106 | 101 | 98 | 95 | 104 | 100 | 97 | 95 | 99 | 96 | 94 | 97 | 95 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 6 | 104 | 99 | 96 | 93 | 103 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 94 | 92 | 95 | 93 | 91 | 95 | 93 | 91 | 91 |
| 7 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 8 | 100 | 95 | 92 | 90 | 99 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | 92 | 90 | 89 | 88 |
| 9 | 98 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 89 | 88 | 91 | 89 | 87 | 91 | 89 | 87 | 87 |
| 10 | 97 | 92 | 89 | 87 | 96 | 92 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 90 | 88 | 86 | 90 | 88 | 86 | 86 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 342275 | 342275 | 342275 |
| 5° | 269987 | 270714 | 269745 |
| 10° | 123517 | 120282 | 126123 |
| 15° | 36729 | 32789 | 35981 |
| 20° | 10905 | 10575 | 11455 |
| 25° | 3097 | 4010 | 3592 |
| 30° | 1114 | 1193 | 1074 |
| 35° | 420 | 378 | 378 |
| 40° | 180 | 90 | 135 |
| 45° | 97 | 49 | 97 |
| 50° | 54 | 0 | 54 |
| 55° | 60 | 0 | 60 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 102 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 120.1 | 60.3 |
| 10°-20° | 66.7 | 33.5 |
| 20°-30° | 10.6 | 5.3 |
| 30°-40° | 1.4 | 0.7 |
| 40°-50° | 0.2 | 0.1 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 197.4 | 99.2 |
| 0°-40° | 198.8 | 99.9 |
| 0°-60° | 199.0 | 100.0 |
| 0°-90° | 199.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 199.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1987 | 1987 | 1987 | 1987 | 1987 | |
| 5° | 1562 | 1575 | 1566 | 1559 | 1560 | 120 |
| 15° | 206 | 203 | 184 | 195 | 202 | 68 |
| 25° | 16 | 18 | 21 | 21 | 19 | 10 |
| 35° | 2 | 2 | 2 | 2 | 2 | 1 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1320546

CATALOG NUMBER: LDSQA3D02R15B2750DE010 3LSQPHR1MW_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 |
| 1° | 1970.3 | 1972.5 | 1975.3 | 1972.7 | 1970.3 | 1972.5 | 1969.5 | 1969.9 | 1967.5 | 1972.7 | 1978.4 |
| 2° | 1920.1 | 1922.9 | 1921.3 | 1917.7 | 1923.3 | 1923.7 | 1917.5 | 1914.6 | 1914.2 | 1919.3 | 1921.3 |
| 3° | 1831.4 | 1837.7 | 1837.9 | 1836.7 | 1835.0 | 1831.4 | 1825.0 | 1829.2 | 1823.4 | 1819.8 | 1840.1 |
| 4° | 1713.4 | 1718.9 | 1725.5 | 1721.1 | 1708.0 | 1709.2 | 1713.4 | 1699.2 | 1700.0 | 1708.2 | 1708.8 |
| 5° | 1561.7 | 1578.6 | 1579.4 | 1573.2 | 1562.9 | 1565.9 | 1562.9 | 1558.9 | 1560.3 | 1565.5 | 1560.3 |
| 6° | 1383.2 | 1402.3 | 1388.2 | 1401.7 | 1398.7 | 1402.5 | 1403.5 | 1399.3 | 1402.3 | 1399.1 | 1398.1 |
| 7° | 1228.9 | 1214.4 | 1216.4 | 1210.8 | 1216.8 | 1220.8 | 1223.2 | 1216.0 | 1221.8 | 1230.9 | 1233.5 |
| 8° | 1037.7 | 1033.5 | 1029.3 | 1039.3 | 1036.5 | 1041.3 | 1044.3 | 1052.2 | 1051.8 | 1054.6 | 1063.8 |
| 9° | 855.6 | 861.8 | 865.5 | 856.8 | 864.3 | 849.6 | 854.8 | 876.1 | 870.5 | 876.1 | 892.4 |
| 10° | 706.3 | 711.3 | 705.7 | 705.5 | 697.6 | 687.8 | 687.2 | 695.2 | 711.9 | 725.0 | 721.2 |
| 12.5° | 389.7 | 394.1 | 394.7 | 394.3 | 379.9 | 363.8 | 366.8 | 373.2 | 383.5 | 387.9 | 395.1 |
| 15° | 206.0 | 205.8 | 208.0 | 201.8 | 194.2 | 183.9 | 184.7 | 193.4 | 201.2 | 203.2 | 201.8 |
| 17.5° | 105.7 | 106.1 | 107.7 | 106.1 | 98.1 | 99.1 | 101.3 | 102.3 | 106.9 | 108.7 | 107.7 |
| 20° | 59.5 | 59.7 | 59.5 | 60.1 | 56.9 | 57.7 | 60.5 | 60.7 | 61.7 | 62.7 | 62.5 |
| 22.5° | 34.0 | 34.2 | 35.4 | 35.0 | 34.2 | 35.2 | 35.8 | 36.8 | 37.2 | 36.8 | 38.0 |
| 25° | 16.3 | 16.5 | 16.5 | 18.9 | 20.1 | 21.1 | 21.5 | 21.1 | 20.7 | 19.1 | 18.9 |
| 27.5° | 9.4 | 9.4 | 9.8 | 10.0 | 10.3 | 12.1 | 11.9 | 10.0 | 8.4 | 8.4 | 8.6 |
| 30° | 5.6 | 5.4 | 5.4 | 5.6 | 5.8 | 6.0 | 5.6 | 5.4 | 5.4 | 5.6 | 5.4 |
| 32.5° | 3.4 | 3.4 | 3.4 | 3.2 | 3.2 | 3.0 | 3.0 | 3.4 | 3.4 | 3.4 | 3.4 |
| 35° | 2.0 | 2.0 | 2.0 | 2.0 | 1.8 | 1.8 | 1.8 | 2.0 | 2.0 | 1.8 | 1.8 |
| 37.5° | 1.2 | 1.2 | 1.2 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 40° | 0.8 | 0.8 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 |
| 42.5° | 0.6 | 0.6 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 |
| 45° | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |
| 47.5° | 0.4 | 0.4 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 50° | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 52.5° | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 55° | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)