

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: P1324537

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

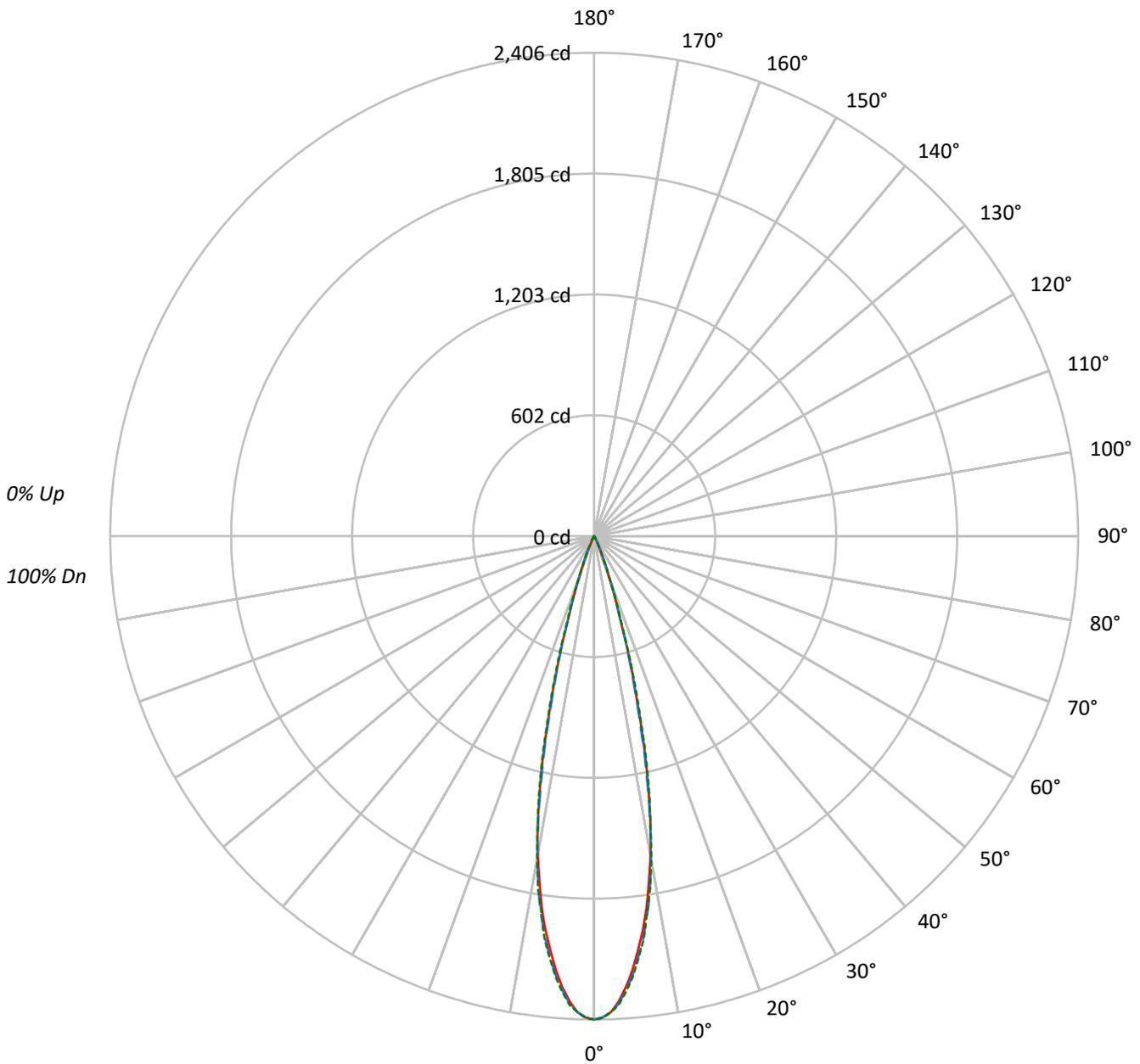
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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 | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98 | 99 | 97 | 96 | 96 | 96 | 96 | 95 |
| 3 | 109 | 105 | 102 | 99 | 107 | 104 | 101 | 98 | 101 | 99 | 97 | 99 | 97 | 95 | 97 | 95 | 94 | 94 | 94 | 94 | 93 |
| 4 | 106 | 101 | 98 | 95 | 105 | 100 | 97 | 95 | 99 | 96 | 94 | 97 | 94 | 93 | 95 | 93 | 92 | 92 | 92 | 92 | 91 |
| 5 | 104 | 98 | 95 | 92 | 102 | 98 | 94 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 89 | 89 | 89 | 88 |
| 6 | 101 | 96 | 92 | 89 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 7 | 99 | 93 | 89 | 87 | 98 | 93 | 89 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 86 | 86 | 86 | 85 |
| 8 | 97 | 91 | 87 | 85 | 96 | 90 | 87 | 85 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 84 | 84 | 84 | 84 | 83 |
| 9 | 95 | 89 | 85 | 83 | 94 | 88 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 82 | 82 | 82 | 81 |
| 10 | 93 | 87 | 83 | 81 | 92 | 86 | 83 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 85 | 82 | 80 | 80 | 80 | 80 | 80 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 414333 | 414333 | 414333 |
| 5° | 375479 | 378885 | 380735 |
| 10° | 282255 | 284267 | 285578 |
| 15° | 139768 | 135596 | 144635 |
| 20° | 39478 | 40119 | 40559 |
| 25° | 6841 | 12941 | 8133 |
| 30° | 2685 | 2764 | 2844 |
| 35° | 841 | 925 | 925 |
| 40° | 270 | 360 | 270 |
| 45° | 195 | 97 | 195 |
| 50° | 107 | 0 | 107 |
| 55° | 120 | 0 | 120 |
| 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: 45°
 Luminance: 195 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 191.1 | 43.0 |
| 10°-20° | 215.5 | 48.5 |
| 20°-30° | 33.4 | 7.5 |
| 30°-40° | 3.4 | 0.8 |
| 40°-50° | 0.5 | 0.1 |
| 50°-60° | 0.1 | 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° | 440.1 | 99.1 |
| 0°-40° | 443.5 | 99.9 |
| 0°-60° | 444.0 | 100.0 |
| 0°-90° | 444.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 444.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2406 | 2406 | 2406 | 2406 | 2406 | |
| 5° | 2172 | 2176 | 2192 | 2200 | 2202 | 189 |
| 15° | 784 | 778 | 760 | 795 | 811 | 215 |
| 25° | 36 | 53 | 68 | 52 | 43 | 30 |
| 35° | 4 | 4 | 4 | 5 | 4 | 3 |
| 45° | 1 | 0 | 0 | 0 | 1 | 1 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2405.8 | 2405.8 | 2405.8 | 2405.8 | 2405.8 |
| 1° | 2395.9 | 2399.1 | 2395.5 | 2399.5 | 2399.1 |
| 2° | 2371.0 | 2374.2 | 2369.8 | 2372.2 | 2372.2 |
| 3° | 2319.9 | 2326.6 | 2330.6 | 2333.4 | 2335.8 |
| 4° | 2252.6 | 2260.1 | 2266.1 | 2273.2 | 2273.2 |
| 5° | 2171.9 | 2175.8 | 2191.6 | 2200.4 | 2202.3 |
| 6° | 2075.7 | 2091.5 | 2103.4 | 2120.8 | 2110.1 |
| 7° | 1979.4 | 1992.5 | 2009.1 | 2011.9 | 2019.4 |
| 8° | 1870.2 | 1884.0 | 1899.5 | 1896.7 | 1890.4 |
| 9° | 1737.2 | 1757.4 | 1775.6 | 1769.6 | 1777.5 |
| 10° | 1614.0 | 1626.3 | 1625.5 | 1619.6 | 1633.0 |
| 11° | 1471.1 | 1473.9 | 1458.5 | 1482.6 | 1468.0 |
| 12° | 1301.7 | 1304.1 | 1284.3 | 1308.0 | 1323.1 |
| 13° | 1139.4 | 1133.8 | 1106.5 | 1137.8 | 1156.8 |
| 14° | 952.5 | 954.5 | 919.7 | 980.2 | 975.5 |
| 15° | 783.9 | 778.3 | 760.5 | 794.6 | 811.2 |
| 17.5° | 417.7 | 421.2 | 416.9 | 433.9 | 444.6 |
| 20° | 215.4 | 221.3 | 218.9 | 226.1 | 221.3 |
| 22.5° | 111.6 | 120.0 | 122.3 | 116.8 | 101.7 |
| 25° | 36.0 | 53.4 | 68.1 | 51.9 | 42.8 |
| 27.5° | 21.8 | 21.4 | 33.3 | 23.0 | 23.4 |
| 30° | 13.5 | 13.1 | 13.9 | 13.9 | 14.3 |
| 32.5° | 7.5 | 7.9 | 7.5 | 8.3 | 7.9 |
| 35° | 4.0 | 4.4 | 4.4 | 4.8 | 4.4 |
| 37.5° | 2.4 | 2.8 | 2.8 | 2.8 | 2.4 |
| 40° | 1.2 | 1.6 | 1.6 | 1.2 | 1.2 |
| 42.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 45° | 0.8 | 0.4 | 0.4 | 0.4 | 0.8 |
| 47.5° | 0.4 | 0.4 | 0.0 | 0.4 | 0.4 |
| 50° | 0.4 | 0.4 | 0.0 | 0.4 | 0.4 |
| 52.5° | 0.4 | 0.0 | 0.0 | 0.0 | 0.4 |
| 55° | 0.4 | 0.0 | 0.0 | 0.0 | 0.4 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)