

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: P1323612

Luminaire Tested: LDSQA3D05R309030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

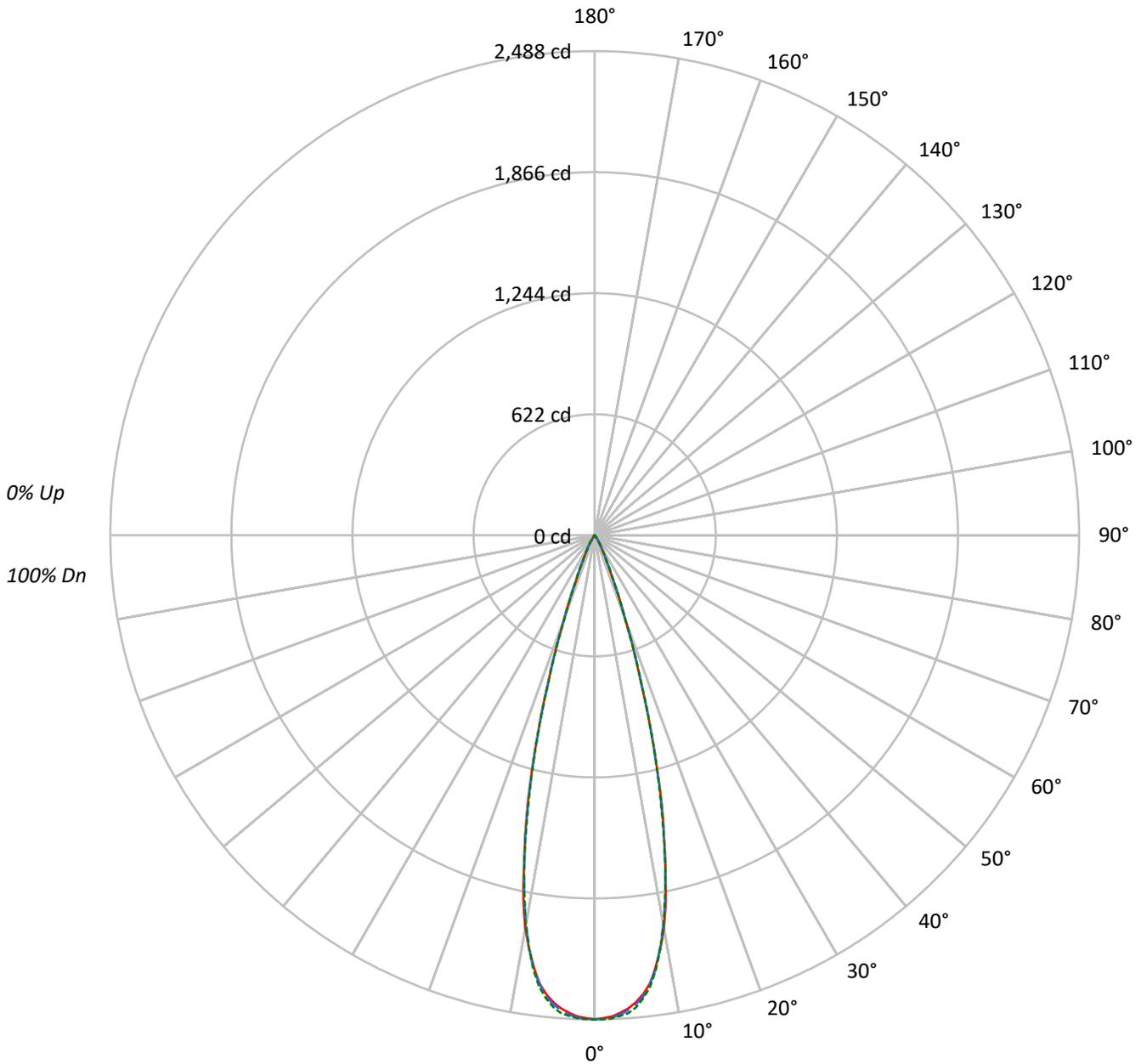
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 647.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 98 | 98 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 98 | 96 | 95 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 95 | 93 | 92 | 91 |
| 4 | 105 | 99 | 96 | 93 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 88 |
| 5 | 102 | 96 | 92 | 89 | 100 | 95 | 91 | 89 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 88 | 86 | 91 | 88 | 86 | 85 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 85 | 90 | 87 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 89 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 86 | 84 | 82 | 81 |
| 8 | 94 | 87 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 9 | 91 | 85 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 |
| 10 | 89 | 82 | 78 | 76 | 88 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 80 | 77 | 75 | 74 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 428438 | 428438 | 428438 |
| 5° | 416694 | 418509 | 421102 |
| 10° | 358328 | 355268 | 355617 |
| 15° | 220180 | 218397 | 218576 |
| 20° | 83794 | 83977 | 82419 |
| 25° | 26661 | 28067 | 26756 |
| 30° | 10719 | 13304 | 11017 |
| 35° | 3469 | 5887 | 3469 |
| 40° | 1574 | 2585 | 1574 |
| 45° | 609 | 1096 | 609 |
| 50° | 268 | 536 | 268 |
| 55° | 300 | 300 | 300 |
| 60° | 344 | 344 | 344 |
| 65° | 204 | 204 | 204 |
| 70° | 252 | 252 | 252 |
| 75° | 333 | 333 | 333 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1096 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 219.4 | 33.9 |
| 10°-20° | 325.5 | 50.3 |
| 20°-30° | 80.9 | 12.5 |
| 30°-40° | 16.2 | 2.5 |
| 40°-50° | 2.9 | 0.5 |
| 50°-60° | 0.9 | 0.1 |
| 60°-70° | 0.7 | 0.1 |
| 70°-80° | 0.5 | 0.1 |
| 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° | 625.9 | 96.7 |
| 0°-40° | 642.0 | 99.2 |
| 0°-60° | 645.9 | 99.8 |
| 0°-90° | 647.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 647.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2488 | 2488 | 2488 | 2488 | 2488 | |
| 5° | 2410 | 2418 | 2421 | 2424 | 2436 | 219 |
| 15° | 1235 | 1237 | 1225 | 1229 | 1226 | 327 |
| 25° | 140 | 143 | 148 | 146 | 141 | 79 |
| 35° | 16 | 22 | 28 | 21 | 16 | 13 |
| 45° | 2 | 3 | 4 | 4 | 2 | 2 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 0 | 0 | 0 | 0 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1323612

CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2487.7 | 2487.7 | 2487.7 | 2487.7 | 2487.7 |
| 1° | 2482.2 | 2485.2 | 2487.2 | 2487.2 | 2487.2 |
| 2° | 2475.2 | 2477.2 | 2480.2 | 2480.7 | 2484.7 |
| 3° | 2458.8 | 2463.2 | 2468.2 | 2471.2 | 2473.2 |
| 4° | 2438.8 | 2444.8 | 2447.8 | 2455.3 | 2461.8 |
| 5° | 2410.3 | 2418.3 | 2420.8 | 2424.3 | 2435.8 |
| 6° | 2371.9 | 2377.9 | 2382.9 | 2384.4 | 2391.4 |
| 7° | 2321.0 | 2324.0 | 2323.0 | 2325.5 | 2338.0 |
| 8° | 2243.6 | 2244.6 | 2253.1 | 2247.6 | 2256.1 |
| 9° | 2151.8 | 2147.8 | 2145.8 | 2149.8 | 2150.3 |
| 10° | 2049.0 | 2035.5 | 2031.5 | 2028.0 | 2033.5 |
| 11° | 1915.7 | 1898.2 | 1899.7 | 1898.7 | 1890.7 |
| 12° | 1750.0 | 1748.0 | 1735.0 | 1737.5 | 1749.5 |
| 13° | 1580.8 | 1584.3 | 1581.8 | 1584.8 | 1571.3 |
| 14° | 1422.0 | 1405.1 | 1409.6 | 1392.6 | 1399.1 |
| 15° | 1234.9 | 1237.4 | 1224.9 | 1228.9 | 1225.9 |
| 17.5° | 790.6 | 796.1 | 792.1 | 788.6 | 794.1 |
| 20° | 457.2 | 456.7 | 458.2 | 453.7 | 449.7 |
| 22.5° | 240.6 | 244.1 | 248.6 | 249.1 | 252.1 |
| 25° | 140.3 | 143.3 | 147.7 | 145.7 | 140.8 |
| 27.5° | 85.9 | 91.3 | 98.3 | 93.3 | 87.3 |
| 30° | 53.9 | 58.4 | 66.9 | 58.9 | 55.4 |
| 32.5° | 30.4 | 36.9 | 43.9 | 36.9 | 30.4 |
| 35° | 16.5 | 21.5 | 28.0 | 21.0 | 16.5 |
| 37.5° | 11.0 | 12.5 | 18.5 | 12.5 | 11.0 |
| 40° | 7.0 | 8.5 | 11.5 | 8.5 | 7.0 |
| 42.5° | 4.0 | 5.5 | 6.5 | 5.5 | 4.0 |
| 45° | 2.5 | 3.0 | 4.5 | 3.5 | 2.5 |
| 47.5° | 1.0 | 1.5 | 3.0 | 1.5 | 1.5 |
| 50° | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| 52.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 55° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 57.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 60° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 62.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 65° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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)