

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: P1313510

Luminaire Tested: LDSQA3D09R309727DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309727DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

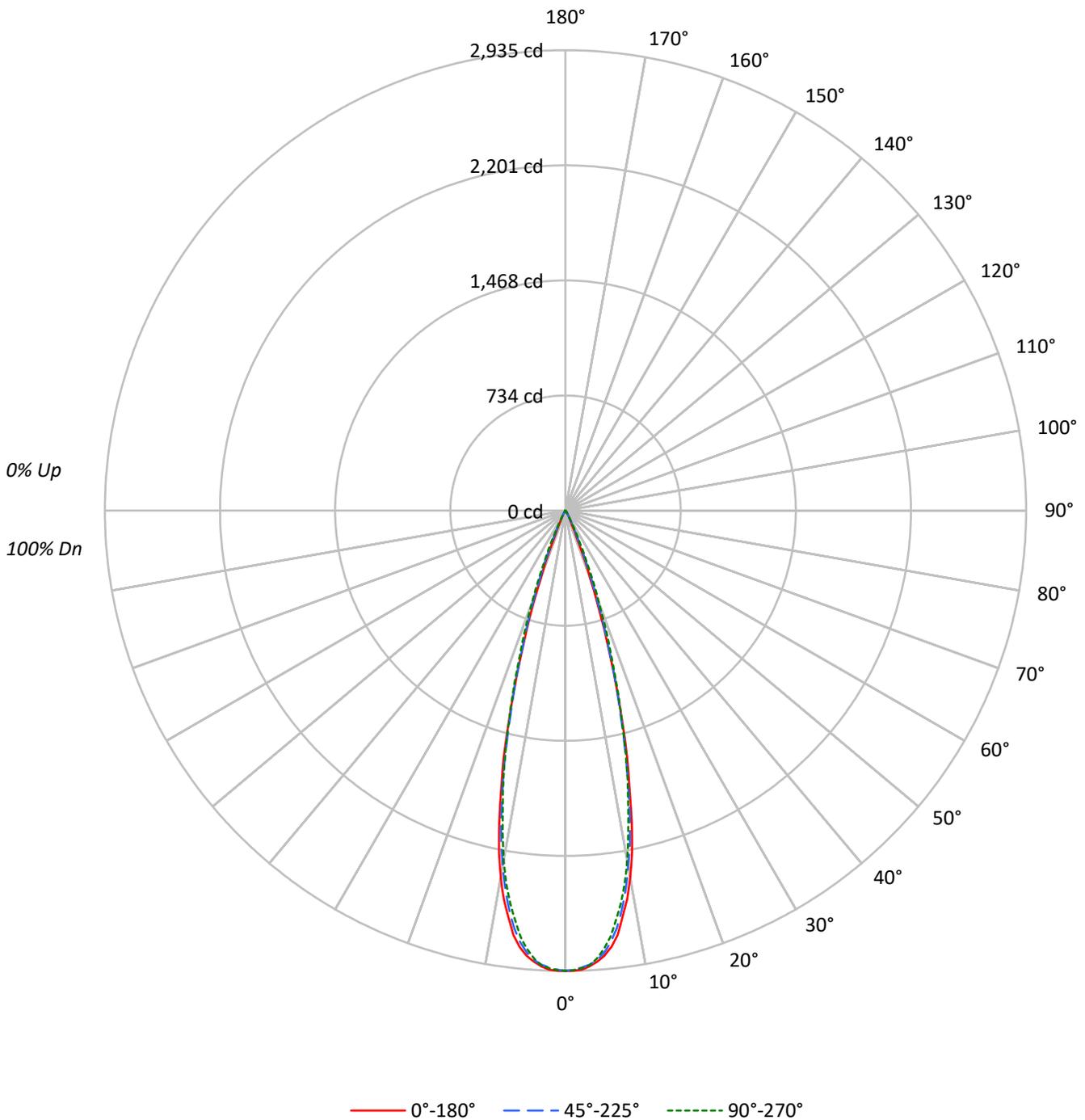
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 711.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 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

TEST NUMBER: P1313510
CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1313510
 CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MB

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 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 5 | 102 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 91 | 89 | 93 | 90 | 88 | 92 | 89 | 88 | 92 | 89 | 88 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 7 | 97 | 91 | 87 | 84 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 88 | 86 | 83 | 88 | 85 | 83 | 88 | 85 | 83 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 9 | 92 | 86 | 82 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 10 | 90 | 84 | 80 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 505353 | 505353 | 505353 |
| 5° | 492346 | 488958 | 484930 |
| 10° | 415496 | 402747 | 396207 |
| 15° | 250384 | 243395 | 247870 |
| 20° | 84930 | 98071 | 113136 |
| 25° | 15601 | 24456 | 28884 |
| 30° | 5369 | 5966 | 6702 |
| 35° | 1556 | 1934 | 2060 |
| 40° | 405 | 697 | 562 |
| 45° | 146 | 146 | 146 |
| 50° | 161 | 0 | 161 |
| 55° | 0 | 0 | 0 |
| 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: 52.5°
 Luminance: 170 cd/sqm



TEST NUMBER: P1313510
 CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 253.7 | 35.7 |
| 10°-20° | 370.8 | 52.2 |
| 20°-30° | 78.5 | 11.0 |
| 30°-40° | 7.2 | 1.0 |
| 40°-50° | 0.7 | 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° | 703.0 | 98.9 |
| 0°-40° | 710.3 | 99.9 |
| 0°-60° | 711.0 | 100.0 |
| 0°-90° | 711.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 711.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2934 | 2934 | 2934 | 2934 | 2934 | |
| 5° | 2848 | 2842 | 2828 | 2820 | 2805 | 257 |
| 15° | 1404 | 1399 | 1365 | 1397 | 1390 | 370 |
| 25° | 82 | 92 | 129 | 151 | 152 | 60 |
| 35° | 7 | 9 | 9 | 11 | 10 | 6 |
| 45° | 1 | 1 | 1 | 1 | 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 |



TEST NUMBER: P1313510
 CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2934.3 | 2934.3 | 2934.3 | 2934.3 | 2934.3 |
| 1° | 2934.9 | 2931.9 | 2927.6 | 2933.7 | 2929.4 |
| 2° | 2928.8 | 2921.5 | 2915.3 | 2921.5 | 2919.6 |
| 3° | 2910.4 | 2904.3 | 2900.0 | 2903.1 | 2903.1 |
| 4° | 2882.8 | 2876.1 | 2872.4 | 2873.0 | 2863.8 |
| 5° | 2847.9 | 2842.4 | 2828.3 | 2819.7 | 2805.0 |
| 6° | 2796.4 | 2782.9 | 2765.8 | 2751.7 | 2732.7 |
| 7° | 2726.5 | 2705.7 | 2681.2 | 2656.6 | 2632.7 |
| 8° | 2614.4 | 2604.5 | 2571.4 | 2554.9 | 2531.0 |
| 9° | 2508.9 | 2485.0 | 2449.5 | 2422.5 | 2409.6 |
| 10° | 2375.9 | 2340.3 | 2303.0 | 2281.5 | 2265.6 |
| 11° | 2218.4 | 2182.2 | 2152.2 | 2120.9 | 2096.4 |
| 12° | 2033.2 | 2002.6 | 1968.3 | 1947.4 | 1918.6 |
| 13° | 1813.8 | 1809.5 | 1770.9 | 1764.2 | 1760.5 |
| 14° | 1625.6 | 1608.5 | 1570.4 | 1580.9 | 1583.3 |
| 15° | 1404.3 | 1399.4 | 1365.1 | 1397.0 | 1390.2 |
| 17.5° | 879.6 | 881.5 | 902.9 | 953.2 | 969.1 |
| 20° | 463.4 | 477.5 | 535.1 | 595.8 | 617.3 |
| 22.5° | 187.6 | 218.8 | 277.7 | 318.7 | 346.3 |
| 25° | 82.1 | 91.9 | 128.7 | 151.4 | 152.0 |
| 27.5° | 46.6 | 47.2 | 61.9 | 64.4 | 65.6 |
| 30° | 27.0 | 27.6 | 30.0 | 31.9 | 33.7 |
| 32.5° | 14.7 | 15.9 | 16.6 | 19.0 | 19.0 |
| 35° | 7.4 | 9.2 | 9.2 | 11.0 | 9.8 |
| 37.5° | 4.3 | 4.9 | 5.5 | 5.5 | 4.9 |
| 40° | 1.8 | 2.5 | 3.1 | 3.1 | 2.5 |
| 42.5° | 0.6 | 1.2 | 1.2 | 1.2 | 1.8 |
| 45° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 47.5° | 0.6 | 0.6 | 0.0 | 0.6 | 0.6 |
| 50° | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 |
| 52.5° | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



TEST NUMBER: P1313510
CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MB

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)