

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: P1311314

Luminaire Tested: LDSQA3D09R309040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311314
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: LDSQA3D09R309040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

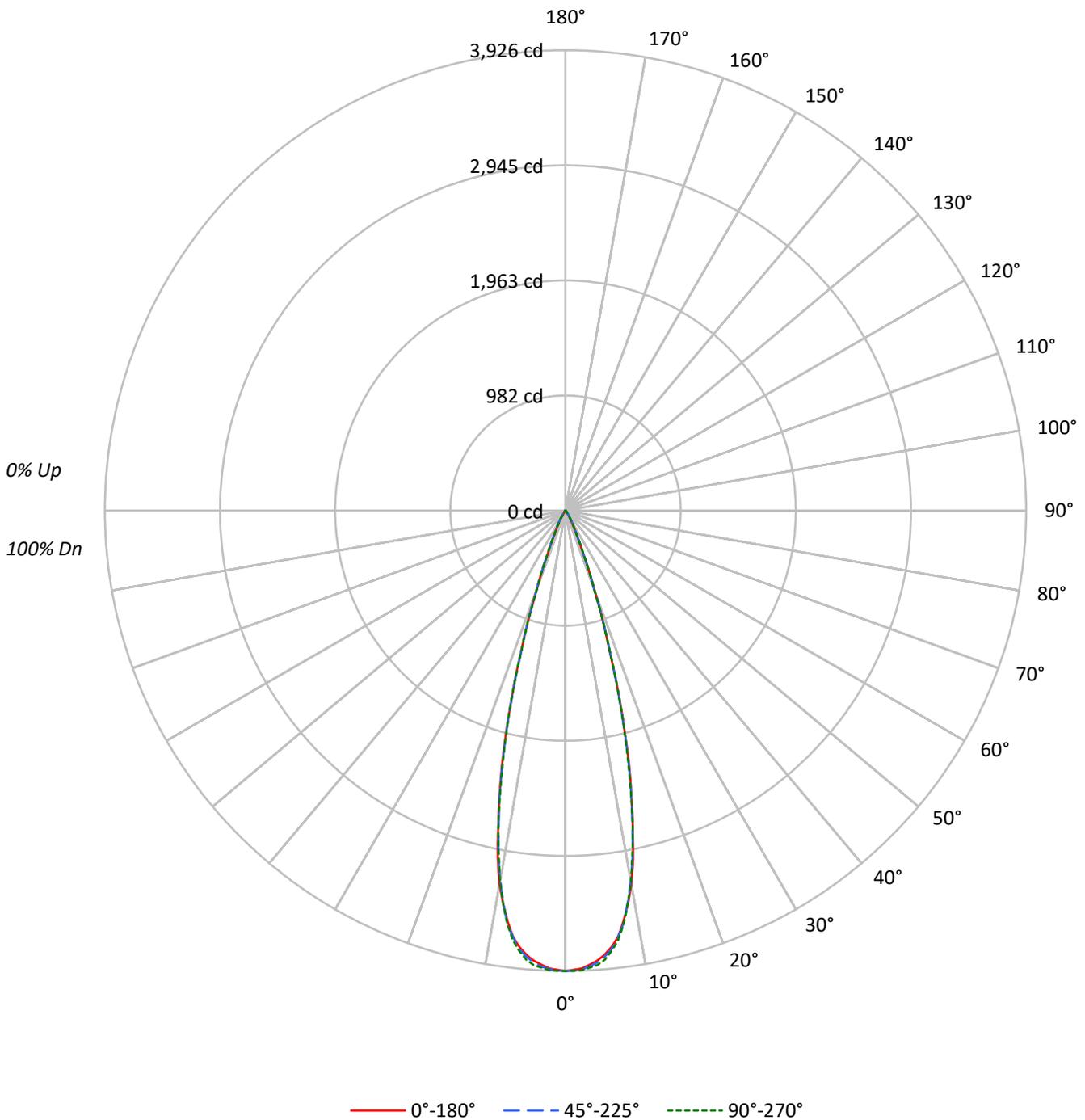
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1021.1 lumens
Efficiency: N/A
Efficacy: 92.0 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 (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





TEST NUMBER: P1311314

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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 | 95 | 95 | 95 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 93 | 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° | 676094 | 676094 | 676094 |
| 5° | 657568 | 660438 | 664518 |
| 10° | 565455 | 560629 | 561188 |
| 15° | 347449 | 344632 | 344917 |
| 20° | 132233 | 132527 | 130071 |
| 25° | 42053 | 44295 | 42205 |
| 30° | 16923 | 20980 | 17381 |
| 35° | 5466 | 9272 | 5466 |
| 40° | 2473 | 4069 | 2473 |
| 45° | 950 | 1729 | 950 |
| 50° | 429 | 857 | 429 |
| 55° | 480 | 480 | 480 |
| 60° | 551 | 551 | 551 |
| 65° | 326 | 326 | 326 |
| 70° | 403 | 403 | 403 |
| 75° | 532 | 532 | 532 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1729 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 346.3 | 33.9 |
| 10°-20° | 513.7 | 50.3 |
| 20°-30° | 127.6 | 12.5 |
| 30°-40° | 25.5 | 2.5 |
| 40°-50° | 4.6 | 0.5 |
| 50°-60° | 1.5 | 0.1 |
| 60°-70° | 1.1 | 0.1 |
| 70°-80° | 0.7 | 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° | 987.6 | 96.7 |
| 0°-40° | 1013.1 | 99.2 |
| 0°-60° | 1019.2 | 99.8 |
| 0°-90° | 1021.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1021.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3926 | 3926 | 3926 | 3926 | 3926 | |
| 5° | 3804 | 3816 | 3820 | 3826 | 3844 | 346 |
| 15° | 1949 | 1953 | 1933 | 1939 | 1934 | 516 |
| 25° | 221 | 226 | 233 | 230 | 222 | 124 |
| 35° | 26 | 34 | 44 | 33 | 26 | 21 |
| 45° | 4 | 5 | 7 | 6 | 4 | 3 |
| 55° | 2 | 2 | 2 | 2 | 2 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1311314

CATALOG NUMBER: LDSQA3D09R309040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3925.7 | 3925.7 | 3925.7 | 3925.7 | 3925.7 |
| 1° | 3917.1 | 3921.8 | 3924.9 | 3924.9 | 3924.9 |
| 2° | 3906.0 | 3909.2 | 3913.9 | 3914.7 | 3921.0 |
| 3° | 3880.0 | 3887.1 | 3895.0 | 3899.7 | 3902.9 |
| 4° | 3848.5 | 3858.0 | 3862.7 | 3874.5 | 3884.8 |
| 5° | 3803.6 | 3816.2 | 3820.2 | 3825.7 | 3843.8 |
| 6° | 3743.0 | 3752.4 | 3760.3 | 3762.7 | 3773.7 |
| 7° | 3662.7 | 3667.4 | 3665.8 | 3669.7 | 3689.4 |
| 8° | 3540.6 | 3542.1 | 3555.5 | 3546.9 | 3560.3 |
| 9° | 3395.6 | 3389.3 | 3386.2 | 3392.5 | 3393.3 |
| 10° | 3233.4 | 3212.1 | 3205.8 | 3200.3 | 3209.0 |
| 11° | 3023.1 | 2995.5 | 2997.9 | 2996.3 | 2983.7 |
| 12° | 2761.6 | 2758.4 | 2737.9 | 2741.9 | 2760.8 |
| 13° | 2494.5 | 2500.1 | 2496.1 | 2500.8 | 2479.6 |
| 14° | 2244.1 | 2217.3 | 2224.4 | 2197.6 | 2207.8 |
| 15° | 1948.7 | 1952.6 | 1932.9 | 1939.2 | 1934.5 |
| 17.5° | 1247.7 | 1256.3 | 1250.0 | 1244.5 | 1253.2 |
| 20° | 721.5 | 720.7 | 723.1 | 716.0 | 709.7 |
| 22.5° | 379.7 | 385.2 | 392.3 | 393.0 | 397.8 |
| 25° | 221.3 | 226.1 | 233.1 | 230.0 | 222.1 |
| 27.5° | 135.5 | 144.1 | 155.2 | 147.3 | 137.8 |
| 30° | 85.1 | 92.2 | 105.5 | 92.9 | 87.4 |
| 32.5° | 48.0 | 58.3 | 69.3 | 58.3 | 48.0 |
| 35° | 26.0 | 33.9 | 44.1 | 33.1 | 26.0 |
| 37.5° | 17.3 | 19.7 | 29.1 | 19.7 | 17.3 |
| 40° | 11.0 | 13.4 | 18.1 | 13.4 | 11.0 |
| 42.5° | 6.3 | 8.7 | 10.2 | 8.7 | 6.3 |
| 45° | 3.9 | 4.7 | 7.1 | 5.5 | 3.9 |
| 47.5° | 1.6 | 2.4 | 4.7 | 2.4 | 2.4 |
| 50° | 1.6 | 1.6 | 3.2 | 1.6 | 1.6 |
| 52.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 55° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 57.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 60° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 62.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 65° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 67.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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)