

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: P1319247

Luminaire Tested: LDSQA3D13R359835DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359835DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

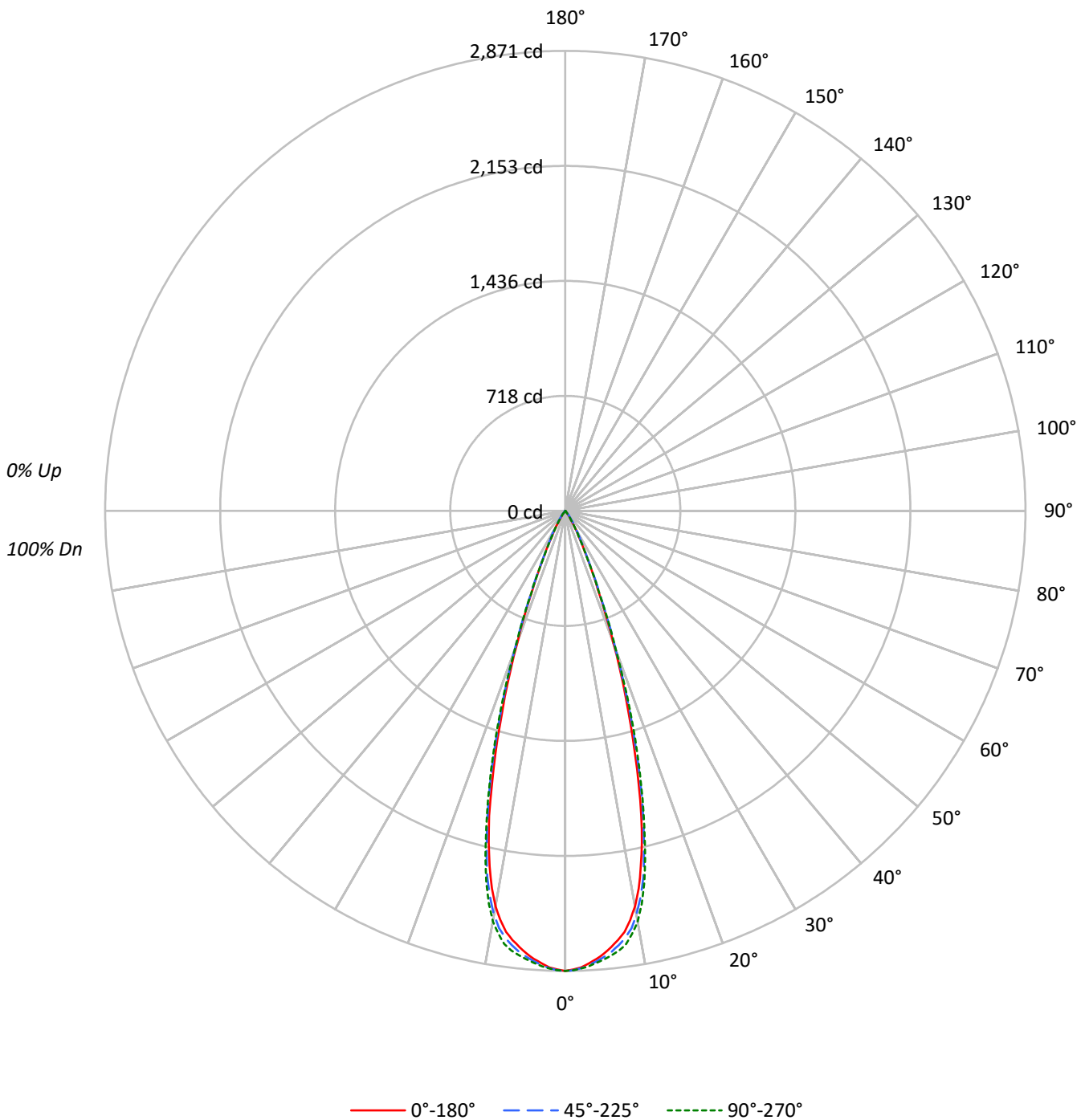
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 956.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

TEST NUMBER: P1319247
CATALOG NUMBER: LDSQA3D13R359835DE010 3LSQCDR1MB

Luminous Intensity Polar Plot





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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 | 100 | 100 | 100 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 96 | 96 | 96 | 96 |
| 2 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98 | 100 | 98 | 96 | 97 | 96 | 94 | 93 | 93 | 93 | 93 |
| 3 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 96 | 94 | 92 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 88 | 92 | 89 | 87 | 86 | 86 | 86 | 86 |
| 5 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 88 | 86 | 90 | 87 | 85 | 89 | 86 | 84 | 83 | 83 | 83 | 83 |
| 6 | 97 | 91 | 86 | 83 | 96 | 90 | 86 | 83 | 89 | 85 | 83 | 88 | 84 | 82 | 86 | 84 | 82 | 80 | 80 | 80 | 80 |
| 7 | 94 | 88 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 78 | 78 | 78 | 78 |
| 8 | 91 | 85 | 80 | 77 | 91 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 81 | 79 | 76 | 75 | 75 | 75 | 75 |
| 9 | 89 | 82 | 78 | 75 | 88 | 81 | 77 | 75 | 81 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 74 | 73 | 73 | 73 | 73 |
| 10 | 86 | 79 | 75 | 72 | 85 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | 71 | 71 | 71 | 71 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 494503 | 494503 | 494503 |
| 5° | 479501 | 482907 | 485518 |
| 10° | 438178 | 447447 | 455124 |
| 15° | 315106 | 328871 | 331581 |
| 20° | 160421 | 168467 | 168888 |
| 25° | 60866 | 62158 | 60428 |
| 30° | 23645 | 27404 | 23049 |
| 35° | 8115 | 12741 | 7632 |
| 40° | 2720 | 4946 | 2563 |
| 45° | 195 | 1656 | 195 |
| 50° | 0 | 214 | 0 |
| 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: 45°
 Vertical Angle: 45°
 Luminance: 1656 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 259.9 | 27.2 |
| 10°-20° | 484.2 | 50.7 |
| 20°-30° | 174.1 | 18.2 |
| 30°-40° | 34.0 | 3.6 |
| 40°-50° | 3.8 | 0.4 |
| 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° | 918.2 | 96.0 |
| 0°-40° | 952.2 | 99.6 |
| 0°-60° | 956.0 | 100.0 |
| 0°-90° | 956.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 956.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2871 | 2871 | 2871 | 2871 | 2871 | |
| 5° | 2774 | 2781 | 2793 | 2806 | 2808 | 257 |
| 15° | 1767 | 1797 | 1844 | 1857 | 1860 | 470 |
| 25° | 320 | 323 | 327 | 325 | 318 | 168 |
| 35° | 39 | 44 | 61 | 45 | 36 | 29 |
| 45° | 1 | 2 | 7 | 2 | 1 | 2 |
| 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: P1319247
 CATALOG NUMBER: LDSQA3D13R359835DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2871.3 | 2871.3 | 2871.3 | 2871.3 | 2871.3 |
| 1° | 2863.0 | 2866.7 | 2867.5 | 2872.8 | 2866.7 |
| 2° | 2850.8 | 2853.1 | 2856.1 | 2860.7 | 2857.6 |
| 3° | 2827.4 | 2831.9 | 2838.7 | 2844.8 | 2844.8 |
| 4° | 2802.4 | 2808.4 | 2816.8 | 2827.4 | 2826.6 |
| 5° | 2773.6 | 2781.2 | 2793.3 | 2806.2 | 2808.4 |
| 6° | 2737.3 | 2746.3 | 2766.0 | 2784.2 | 2787.2 |
| 7° | 2698.6 | 2712.3 | 2731.2 | 2757.7 | 2764.5 |
| 8° | 2653.2 | 2663.8 | 2691.1 | 2722.1 | 2729.7 |
| 9° | 2586.6 | 2602.5 | 2637.3 | 2666.1 | 2670.6 |
| 10° | 2505.6 | 2516.9 | 2558.6 | 2588.8 | 2602.5 |
| 11° | 2401.1 | 2417.7 | 2458.6 | 2489.7 | 2498.7 |
| 12° | 2267.8 | 2292.0 | 2339.7 | 2362.4 | 2370.0 |
| 13° | 2123.9 | 2144.4 | 2181.5 | 2209.5 | 2215.5 |
| 14° | 1961.9 | 1981.6 | 2020.2 | 2042.9 | 2037.6 |
| 15° | 1767.3 | 1796.8 | 1844.5 | 1857.4 | 1859.7 |
| 17.5° | 1305.4 | 1324.3 | 1366.7 | 1387.2 | 1401.6 |
| 20° | 875.3 | 893.5 | 919.2 | 932.9 | 921.5 |
| 22.5° | 532.3 | 547.5 | 561.1 | 560.3 | 556.5 |
| 25° | 320.3 | 323.3 | 327.1 | 324.8 | 318.0 |
| 27.5° | 187.0 | 195.4 | 206.7 | 199.1 | 187.8 |
| 30° | 118.9 | 125.7 | 137.8 | 124.9 | 115.9 |
| 32.5° | 62.8 | 79.5 | 92.4 | 75.0 | 65.9 |
| 35° | 38.6 | 43.9 | 60.6 | 44.7 | 36.3 |
| 37.5° | 23.5 | 27.3 | 37.9 | 26.5 | 21.2 |
| 40° | 12.1 | 17.4 | 22.0 | 15.9 | 11.4 |
| 42.5° | 3.8 | 8.3 | 12.1 | 7.6 | 3.8 |
| 45° | 0.8 | 2.3 | 6.8 | 2.3 | 0.8 |
| 47.5° | 0.0 | 0.0 | 3.0 | 0.8 | 0.0 |
| 50° | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



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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)