

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: P1313864

Luminaire Tested: LDSQA3D17R459727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

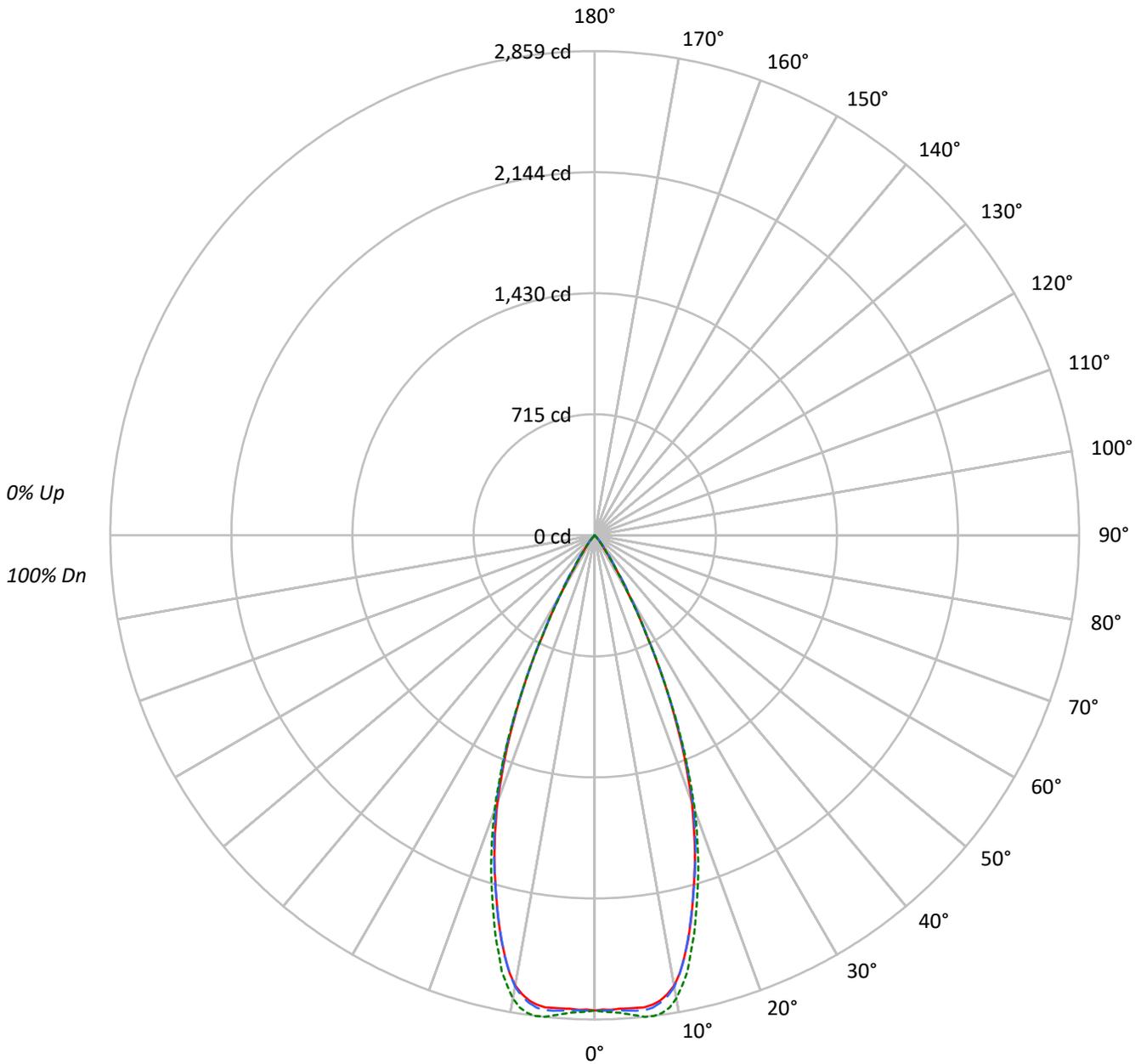
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1451.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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% Up
100% Dn

— 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 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 97 | 97 | 95 |
| 2 | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99 | 101 | 99 | 96 | 98 | 96 | 94 | 95 | 94 | 92 | 92 | 92 | 92 | 91 |
| 3 | 106 | 100 | 96 | 93 | 104 | 99 | 95 | 92 | 97 | 93 | 91 | 94 | 92 | 89 | 92 | 90 | 88 | 88 | 88 | 88 | 87 |
| 4 | 102 | 95 | 91 | 87 | 100 | 94 | 90 | 87 | 92 | 89 | 86 | 90 | 87 | 85 | 89 | 86 | 84 | 84 | 84 | 84 | 83 |
| 5 | 98 | 91 | 86 | 83 | 96 | 90 | 86 | 82 | 88 | 85 | 82 | 87 | 83 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 6 | 94 | 87 | 82 | 78 | 93 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 75 |
| 7 | 91 | 83 | 78 | 75 | 89 | 82 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 8 | 87 | 79 | 75 | 71 | 86 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 9 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 73 | 70 | 67 | 67 | 67 | 67 | 66 |
| 10 | 81 | 73 | 68 | 65 | 80 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 65 | 65 | 65 | 65 | 64 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 483343 | 483343 | 483343 |
| 5° | 484446 | 487246 | 492087 |
| 10° | 472314 | 473259 | 485710 |
| 15° | 398460 | 398656 | 411744 |
| 20° | 307591 | 311935 | 317085 |
| 25° | 190825 | 191015 | 192250 |
| 30° | 78711 | 83643 | 77438 |
| 35° | 24494 | 29939 | 23589 |
| 40° | 7509 | 10432 | 7037 |
| 45° | 536 | 3946 | 536 |
| 50° | 0 | 589 | 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: 3946 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 267.1 | 18.4 |
| 10°-20° | 621.0 | 42.8 |
| 20°-30° | 455.6 | 31.4 |
| 30°-40° | 97.9 | 6.7 |
| 40°-50° | 9.3 | 0.6 |
| 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° | 1343.7 | 92.6 |
| 0°-40° | 1441.6 | 99.4 |
| 0°-60° | 1451.0 | 100.0 |
| 0°-90° | 1451.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1451.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2806 | 2806 | 2806 | 2806 | 2806 | |
| 5° | 2802 | 2810 | 2818 | 2838 | 2846 | 265 |
| 15° | 2235 | 2230 | 2236 | 2272 | 2309 | 615 |
| 25° | 1004 | 1001 | 1005 | 1005 | 1012 | 450 |
| 35° | 116 | 125 | 142 | 122 | 112 | 92 |
| 45° | 2 | 6 | 16 | 6 | 2 | 5 |
| 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: P1313864
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2806.5 | 2806.5 | 2806.5 | 2806.5 | 2806.5 |
| 1° | 2801.1 | 2807.6 | 2807.6 | 2811.9 | 2814.0 |
| 2° | 2803.3 | 2807.6 | 2806.5 | 2814.0 | 2817.3 |
| 3° | 2800.0 | 2807.6 | 2809.7 | 2818.4 | 2823.7 |
| 4° | 2801.1 | 2807.6 | 2814.0 | 2827.0 | 2834.5 |
| 5° | 2802.2 | 2809.7 | 2818.4 | 2837.8 | 2846.4 |
| 6° | 2803.3 | 2808.6 | 2818.4 | 2843.2 | 2859.3 |
| 7° | 2792.5 | 2800.0 | 2810.8 | 2842.1 | 2859.3 |
| 8° | 2775.2 | 2779.5 | 2788.2 | 2829.1 | 2849.6 |
| 9° | 2742.9 | 2741.8 | 2754.7 | 2800.0 | 2823.7 |
| 10° | 2700.8 | 2687.8 | 2706.2 | 2751.5 | 2777.4 |
| 11° | 2632.8 | 2618.8 | 2635.0 | 2683.5 | 2708.3 |
| 12° | 2544.4 | 2544.4 | 2547.6 | 2590.8 | 2633.9 |
| 13° | 2450.6 | 2439.8 | 2446.2 | 2494.8 | 2525.0 |
| 14° | 2347.0 | 2336.2 | 2342.7 | 2379.4 | 2426.8 |
| 15° | 2234.8 | 2230.5 | 2235.9 | 2271.5 | 2309.3 |
| 17.5° | 1968.4 | 1958.7 | 1978.1 | 2013.7 | 2033.1 |
| 20° | 1678.3 | 1694.5 | 1702.0 | 1724.7 | 1730.1 |
| 22.5° | 1345.0 | 1362.3 | 1373.0 | 1376.3 | 1379.5 |
| 25° | 1004.2 | 1000.9 | 1005.2 | 1005.2 | 1011.7 |
| 27.5° | 660.1 | 660.1 | 672.0 | 664.4 | 656.9 |
| 30° | 395.8 | 412.0 | 420.6 | 406.6 | 389.4 |
| 32.5° | 215.7 | 231.9 | 245.9 | 225.4 | 210.3 |
| 35° | 116.5 | 125.1 | 142.4 | 121.9 | 112.2 |
| 37.5° | 63.6 | 71.2 | 82.0 | 69.0 | 63.6 |
| 40° | 33.4 | 41.0 | 46.4 | 41.0 | 31.3 |
| 42.5° | 10.8 | 20.5 | 27.0 | 20.5 | 9.7 |
| 45° | 2.2 | 6.5 | 16.2 | 6.5 | 2.2 |
| 47.5° | 0.0 | 1.1 | 7.6 | 1.1 | 0.0 |
| 50° | 0.0 | 0.0 | 2.2 | 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)