

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: P1313857

Luminaire Tested: LDSQA3D17R409727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

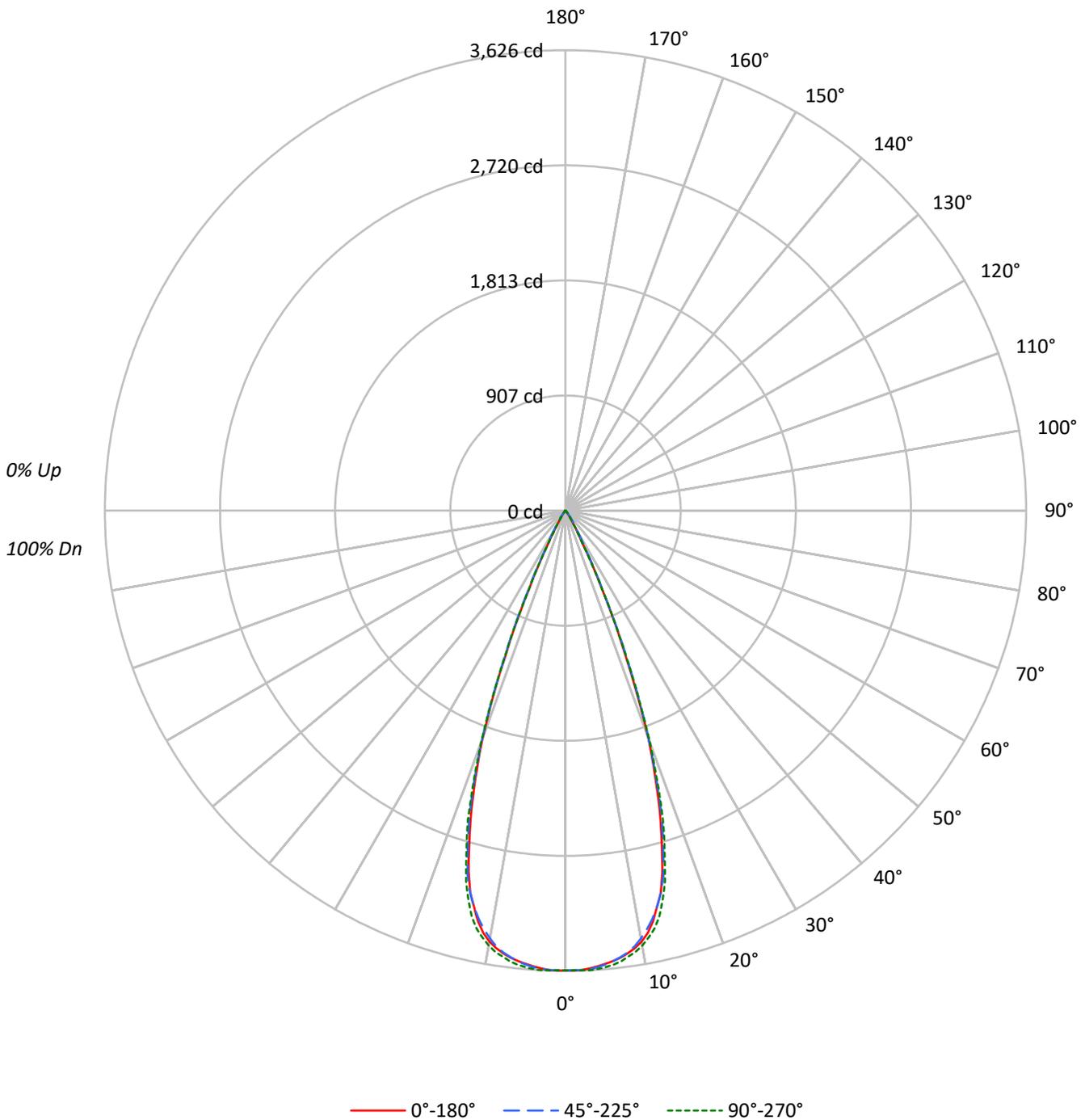
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1533.1 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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 (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: P1313857

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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 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 98 | 98 | 98 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 96 | 95 | 94 | 94 | 94 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 90 | 90 | 90 | 88 |
| 4 | 103 | 97 | 93 | 90 | 101 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 5 | 99 | 93 | 89 | 85 | 98 | 92 | 88 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 83 | 83 | 83 | 82 |
| 6 | 96 | 89 | 85 | 82 | 95 | 89 | 84 | 81 | 87 | 84 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 7 | 93 | 86 | 81 | 78 | 92 | 85 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 76 |
| 8 | 90 | 83 | 78 | 75 | 89 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 74 | 80 | 76 | 74 | 74 | 74 | 74 | 73 |
| 9 | 87 | 80 | 75 | 72 | 86 | 79 | 75 | 72 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | 72 | 72 | 72 | 71 |
| 10 | 84 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 72 | 69 | 75 | 72 | 69 | 75 | 71 | 69 | 69 | 69 | 69 | 68 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 623825 | 623825 | 623825 |
| 5° | 619673 | 620606 | 623960 |
| 10° | 602897 | 598385 | 608371 |
| 15° | 525302 | 530686 | 538959 |
| 20° | 349910 | 351687 | 355041 |
| 25° | 127223 | 131099 | 127831 |
| 30° | 27006 | 36233 | 27006 |
| 35° | 9524 | 16084 | 9062 |
| 40° | 3395 | 5081 | 3395 |
| 45° | 779 | 2095 | 779 |
| 50° | 589 | 857 | 589 |
| 55° | 661 | 661 | 661 |
| 60° | 758 | 758 | 758 |
| 65° | 448 | 897 | 448 |
| 70° | 554 | 554 | 554 |
| 75° | 732 | 732 | 732 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2095 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 338.5 | 22.1 |
| 10°-20° | 788.8 | 51.4 |
| 20°-30° | 355.0 | 23.2 |
| 30°-40° | 40.4 | 2.6 |
| 40°-50° | 5.8 | 0.4 |
| 50°-60° | 2.0 | 0.1 |
| 60°-70° | 1.7 | 0.1 |
| 70°-80° | 1.0 | 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° | 1482.2 | 96.7 |
| 0°-40° | 1522.6 | 99.3 |
| 0°-60° | 1530.4 | 99.8 |
| 0°-90° | 1533.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1533.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3622 | 3622 | 3622 | 3622 | 3622 | |
| 5° | 3584 | 3580 | 3590 | 3606 | 3609 | 338 |
| 15° | 2946 | 2954 | 2976 | 3000 | 3023 | 782 |
| 25° | 670 | 674 | 690 | 690 | 673 | 347 |
| 35° | 45 | 51 | 76 | 48 | 43 | 34 |
| 45° | 3 | 5 | 9 | 5 | 3 | 4 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 1 | 2 | 2 | 2 | 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: P1313857

CATALOG NUMBER: LDSQA3D17R409727DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3622.2 | 3622.2 | 3622.2 | 3622.2 | 3622.2 |
| 1° | 3624.3 | 3621.1 | 3620.0 | 3626.5 | 3621.1 |
| 2° | 3621.1 | 3618.9 | 3620.0 | 3626.5 | 3622.2 |
| 3° | 3611.4 | 3612.5 | 3615.7 | 3627.6 | 3626.5 |
| 4° | 3599.5 | 3598.4 | 3604.9 | 3620.0 | 3620.0 |
| 5° | 3584.4 | 3580.1 | 3589.8 | 3606.0 | 3609.2 |
| 6° | 3567.2 | 3561.8 | 3569.3 | 3589.8 | 3597.4 |
| 7° | 3547.8 | 3537.0 | 3543.5 | 3568.3 | 3578.0 |
| 8° | 3521.9 | 3507.9 | 3515.4 | 3540.2 | 3547.8 |
| 9° | 3489.6 | 3468.0 | 3474.5 | 3504.7 | 3519.8 |
| 10° | 3447.5 | 3420.6 | 3421.7 | 3455.1 | 3478.8 |
| 11° | 3388.2 | 3358.0 | 3359.1 | 3401.2 | 3426.0 |
| 12° | 3309.5 | 3282.6 | 3288.0 | 3326.8 | 3366.7 |
| 13° | 3202.8 | 3195.3 | 3201.7 | 3243.8 | 3280.4 |
| 14° | 3099.3 | 3091.8 | 3103.6 | 3142.4 | 3159.7 |
| 15° | 2946.2 | 2953.8 | 2976.4 | 3000.1 | 3022.8 |
| 17.5° | 2461.1 | 2490.2 | 2517.2 | 2533.4 | 2552.8 |
| 20° | 1909.2 | 1875.8 | 1918.9 | 1899.5 | 1937.2 |
| 22.5° | 1232.2 | 1257.0 | 1267.8 | 1257.0 | 1261.3 |
| 25° | 669.5 | 673.8 | 689.9 | 689.9 | 672.7 |
| 27.5° | 284.6 | 307.2 | 327.7 | 320.2 | 284.6 |
| 30° | 135.8 | 156.3 | 182.2 | 157.4 | 135.8 |
| 32.5° | 76.5 | 90.6 | 117.5 | 88.4 | 74.4 |
| 35° | 45.3 | 50.7 | 76.5 | 48.5 | 43.1 |
| 37.5° | 27.0 | 28.0 | 42.0 | 29.1 | 25.9 |
| 40° | 15.1 | 18.3 | 22.6 | 18.3 | 15.1 |
| 42.5° | 7.5 | 10.8 | 14.0 | 10.8 | 7.5 |
| 45° | 3.2 | 5.4 | 8.6 | 5.4 | 3.2 |
| 47.5° | 3.2 | 3.2 | 5.4 | 3.2 | 3.2 |
| 50° | 2.2 | 2.2 | 3.2 | 2.2 | 2.2 |
| 52.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 55° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 57.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 60° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 62.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 65° | 1.1 | 2.2 | 2.2 | 2.2 | 1.1 |
| 67.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 70° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 72.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 75° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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)