

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: P1315655

Luminaire Tested: LDSQA3D13R409735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315655
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: LDSQA3D13R409735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

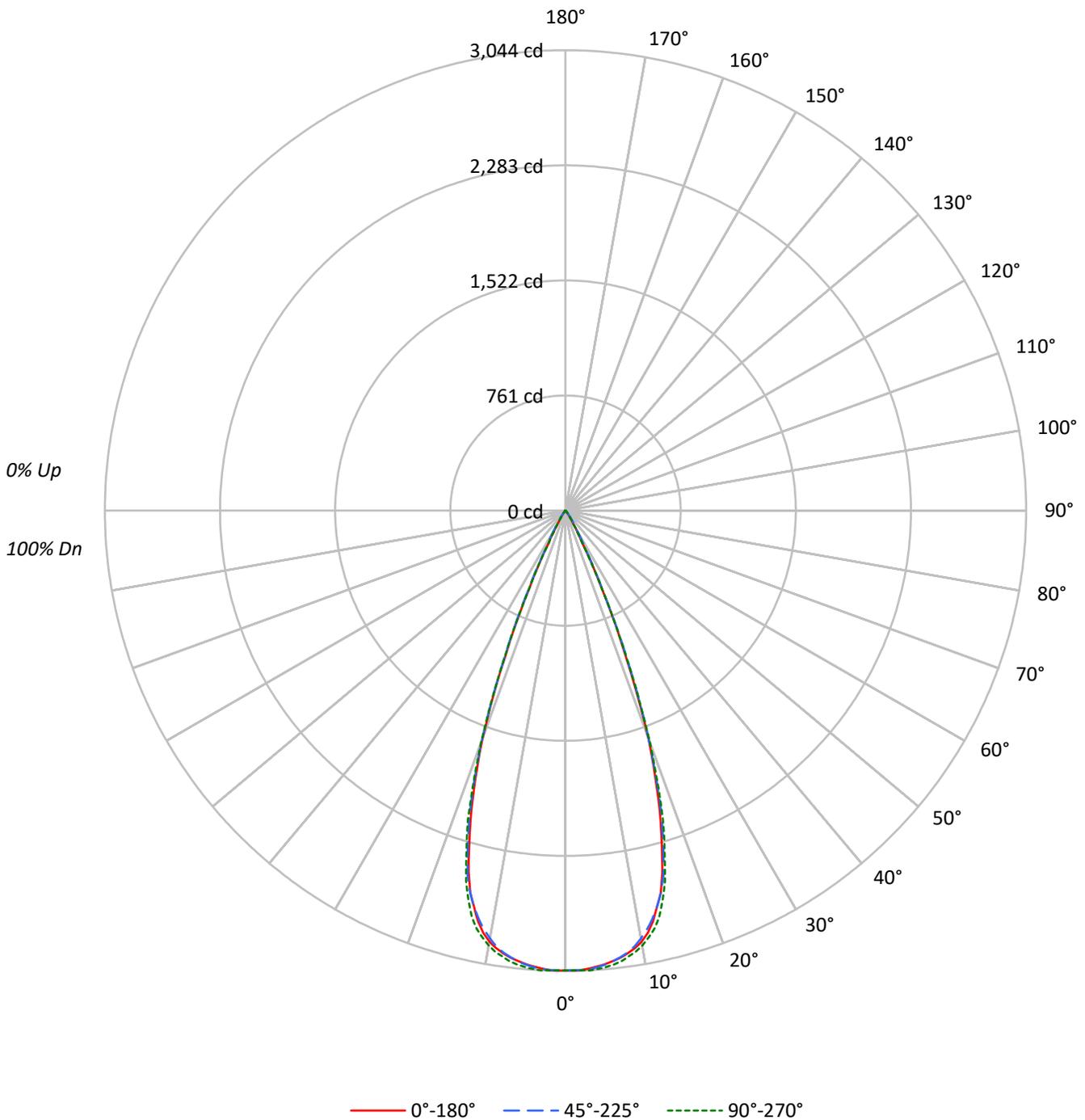
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1287.0 lumens
Efficiency: N/A
Efficacy: 88.1 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): 14.6
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: P1315655

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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 | 70 | 75 | 72 | 69 | 75 | 71 | 69 | 69 | 69 | 69 | 68 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 523712 | 523712 | 523712 |
| 5° | 520232 | 521027 | 523845 |
| 10° | 506154 | 502359 | 510735 |
| 15° | 441020 | 445531 | 452467 |
| 20° | 293754 | 295257 | 298061 |
| 25° | 106795 | 110063 | 107308 |
| 30° | 22671 | 30426 | 22671 |
| 35° | 7989 | 13519 | 7611 |
| 40° | 2855 | 4272 | 2855 |
| 45° | 658 | 1754 | 658 |
| 50° | 482 | 723 | 482 |
| 55° | 540 | 540 | 540 |
| 60° | 620 | 620 | 620 |
| 65° | 367 | 734 | 367 |
| 70° | 453 | 453 | 453 |
| 75° | 599 | 599 | 599 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1754 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 284.1 | 22.1 |
| 10°-20° | 662.2 | 51.5 |
| 20°-30° | 298.0 | 23.2 |
| 30°-40° | 33.9 | 2.6 |
| 40°-50° | 4.9 | 0.4 |
| 50°-60° | 1.6 | 0.1 |
| 60°-70° | 1.4 | 0.1 |
| 70°-80° | 0.8 | 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° | 1244.3 | 96.7 |
| 0°-40° | 1278.3 | 99.3 |
| 0°-60° | 1284.7 | 99.8 |
| 0°-90° | 1287.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1287.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3041 | 3041 | 3041 | 3041 | 3041 | |
| 5° | 3009 | 3006 | 3014 | 3027 | 3030 | 284 |
| 15° | 2474 | 2480 | 2499 | 2519 | 2538 | 657 |
| 25° | 562 | 566 | 579 | 579 | 565 | 291 |
| 35° | 38 | 42 | 64 | 41 | 36 | 28 |
| 45° | 3 | 4 | 7 | 4 | 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: P1315655

CATALOG NUMBER: LDSQA3D13R409735DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3040.9 | 3040.9 | 3040.9 | 3040.9 | 3040.9 |
| 1° | 3042.7 | 3040.0 | 3039.1 | 3044.5 | 3040.0 |
| 2° | 3040.0 | 3038.2 | 3039.1 | 3044.5 | 3040.9 |
| 3° | 3031.9 | 3032.8 | 3035.5 | 3045.4 | 3044.5 |
| 4° | 3021.9 | 3021.0 | 3026.4 | 3039.1 | 3039.1 |
| 5° | 3009.2 | 3005.6 | 3013.8 | 3027.3 | 3030.1 |
| 6° | 2994.8 | 2990.2 | 2996.6 | 3013.8 | 3020.1 |
| 7° | 2978.5 | 2969.4 | 2974.8 | 2995.7 | 3003.8 |
| 8° | 2956.7 | 2945.0 | 2951.3 | 2972.1 | 2978.5 |
| 9° | 2929.6 | 2911.5 | 2916.9 | 2942.3 | 2954.9 |
| 10° | 2894.3 | 2871.7 | 2872.6 | 2900.6 | 2920.5 |
| 11° | 2844.5 | 2819.2 | 2820.1 | 2855.4 | 2876.2 |
| 12° | 2778.5 | 2755.8 | 2760.4 | 2792.9 | 2826.4 |
| 13° | 2688.9 | 2682.5 | 2688.0 | 2723.2 | 2754.0 |
| 14° | 2602.0 | 2595.6 | 2605.6 | 2638.2 | 2652.7 |
| 15° | 2473.5 | 2479.8 | 2498.8 | 2518.7 | 2537.7 |
| 17.5° | 2066.2 | 2090.6 | 2113.3 | 2126.8 | 2143.1 |
| 20° | 1602.8 | 1574.8 | 1611.0 | 1594.7 | 1626.3 |
| 22.5° | 1034.5 | 1055.3 | 1064.3 | 1055.3 | 1058.9 |
| 25° | 562.0 | 565.6 | 579.2 | 579.2 | 564.7 |
| 27.5° | 238.9 | 257.9 | 275.1 | 268.8 | 238.9 |
| 30° | 114.0 | 131.2 | 153.0 | 132.1 | 114.0 |
| 32.5° | 64.3 | 76.0 | 98.6 | 74.2 | 62.4 |
| 35° | 38.0 | 42.5 | 64.3 | 40.7 | 36.2 |
| 37.5° | 22.6 | 23.5 | 35.3 | 24.4 | 21.7 |
| 40° | 12.7 | 15.4 | 19.0 | 15.4 | 12.7 |
| 42.5° | 6.3 | 9.1 | 11.8 | 9.1 | 6.3 |
| 45° | 2.7 | 4.5 | 7.2 | 4.5 | 2.7 |
| 47.5° | 2.7 | 2.7 | 4.5 | 2.7 | 2.7 |
| 50° | 1.8 | 1.8 | 2.7 | 1.8 | 1.8 |
| 52.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 55° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 57.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 60° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 65° | 0.9 | 1.8 | 1.8 | 1.8 | 0.9 |
| 67.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 70° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 72.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 75° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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)