

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: P1314845

Luminaire Tested: LDSQA3D17R509730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

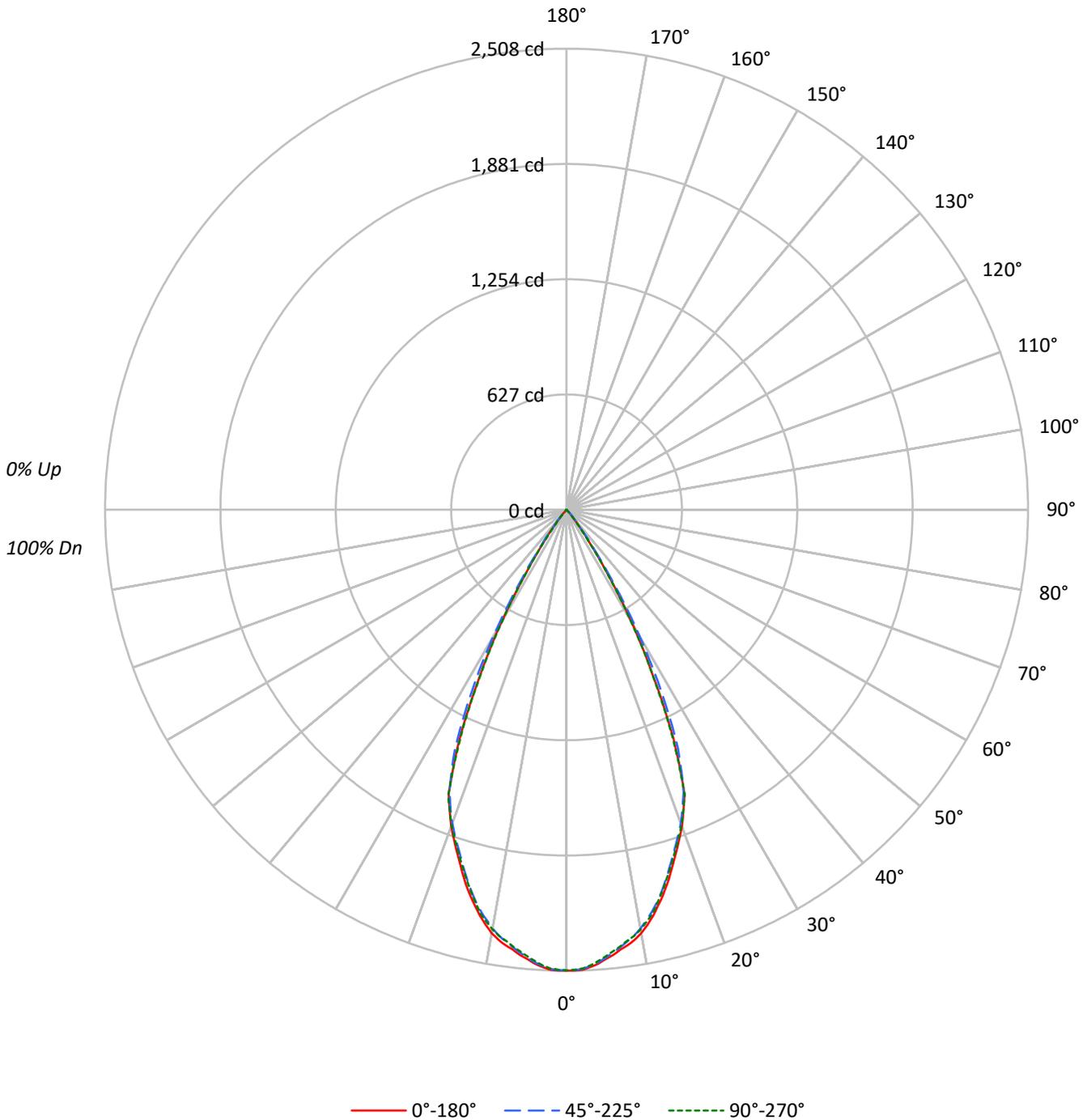
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1614.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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





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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 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 97 | 97 | 97 | 97 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 95 | 97 | 95 | 93 | 95 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 93 | 88 | 85 | 90 | 87 | 84 | 89 | 85 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 5 | 96 | 89 | 84 | 80 | 95 | 88 | 83 | 79 | 86 | 82 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 73 | 67 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 64 | 70 | 66 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 60 | 67 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 431659 | 431659 | 431659 |
| 5° | 424128 | 422935 | 421725 |
| 10° | 409043 | 404601 | 405406 |
| 15° | 376280 | 371555 | 372571 |
| 20° | 335999 | 332828 | 334734 |
| 25° | 261515 | 272479 | 258645 |
| 30° | 141652 | 158178 | 139126 |
| 35° | 44656 | 53150 | 43689 |
| 40° | 9870 | 13759 | 9353 |
| 45° | 292 | 4214 | 292 |
| 50° | 0 | 616 | 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: 4214 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 229.6 | 14.2 |
| 10°-20° | 583.4 | 36.1 |
| 20°-30° | 614.5 | 38.1 |
| 30°-40° | 175.5 | 10.9 |
| 40°-50° | 10.9 | 0.7 |
| 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° | 1427.6 | 88.4 |
| 0°-40° | 1603.1 | 99.3 |
| 0°-60° | 1614.0 | 100.0 |
| 0°-90° | 1614.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1614.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2506 | 2506 | 2506 | 2506 | 2506 | |
| 5° | 2453 | 2451 | 2446 | 2444 | 2439 | 231 |
| 15° | 2110 | 2097 | 2084 | 2087 | 2090 | 588 |
| 25° | 1376 | 1427 | 1434 | 1418 | 1361 | 602 |
| 35° | 212 | 227 | 253 | 215 | 208 | 166 |
| 45° | 1 | 6 | 17 | 6 | 1 | 7 |
| 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: P1314845
 CATALOG NUMBER: LDSQA3D17R509730DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2506.4 | 2506.4 | 2506.4 | 2506.4 | 2506.4 |
| 1° | 2507.6 | 2508.7 | 2506.4 | 2508.7 | 2502.9 |
| 2° | 2504.1 | 2501.8 | 2499.5 | 2500.6 | 2497.2 |
| 3° | 2491.4 | 2490.2 | 2485.6 | 2486.8 | 2482.2 |
| 4° | 2475.2 | 2471.8 | 2468.3 | 2466.0 | 2461.4 |
| 5° | 2453.3 | 2451.0 | 2446.4 | 2444.1 | 2439.4 |
| 6° | 2434.8 | 2430.2 | 2422.1 | 2419.8 | 2415.2 |
| 7° | 2410.6 | 2408.3 | 2397.9 | 2395.6 | 2393.3 |
| 8° | 2392.1 | 2385.2 | 2372.5 | 2373.6 | 2367.9 |
| 9° | 2367.9 | 2358.6 | 2345.9 | 2345.9 | 2347.1 |
| 10° | 2339.0 | 2325.1 | 2313.6 | 2317.1 | 2318.2 |
| 11° | 2300.9 | 2291.7 | 2274.3 | 2282.4 | 2282.4 |
| 12° | 2259.3 | 2247.8 | 2235.1 | 2242.0 | 2246.6 |
| 13° | 2210.9 | 2201.6 | 2190.1 | 2197.0 | 2194.7 |
| 14° | 2163.5 | 2146.2 | 2138.1 | 2147.4 | 2143.9 |
| 15° | 2110.4 | 2096.6 | 2083.9 | 2087.3 | 2089.6 |
| 17.5° | 1968.4 | 1953.4 | 1944.2 | 1945.3 | 1955.7 |
| 20° | 1833.3 | 1827.6 | 1816.0 | 1820.6 | 1826.4 |
| 22.5° | 1674.0 | 1676.3 | 1662.5 | 1665.9 | 1679.8 |
| 25° | 1376.2 | 1427.0 | 1433.9 | 1417.7 | 1361.1 |
| 27.5° | 1019.4 | 1095.6 | 1118.7 | 1081.8 | 1012.5 |
| 30° | 712.3 | 733.1 | 795.4 | 725.0 | 699.6 |
| 32.5° | 417.9 | 449.1 | 482.6 | 434.1 | 416.8 |
| 35° | 212.4 | 227.4 | 252.8 | 214.7 | 207.8 |
| 37.5° | 98.1 | 105.1 | 115.4 | 98.1 | 92.4 |
| 40° | 43.9 | 52.0 | 61.2 | 49.6 | 41.6 |
| 42.5° | 13.9 | 24.2 | 32.3 | 21.9 | 12.7 |
| 45° | 1.2 | 5.8 | 17.3 | 5.8 | 1.2 |
| 47.5° | 0.0 | 1.2 | 6.9 | 1.2 | 0.0 |
| 50° | 0.0 | 0.0 | 2.3 | 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)