

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: P1319474

Luminaire Tested: LDSQA3D20R159835D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159835D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

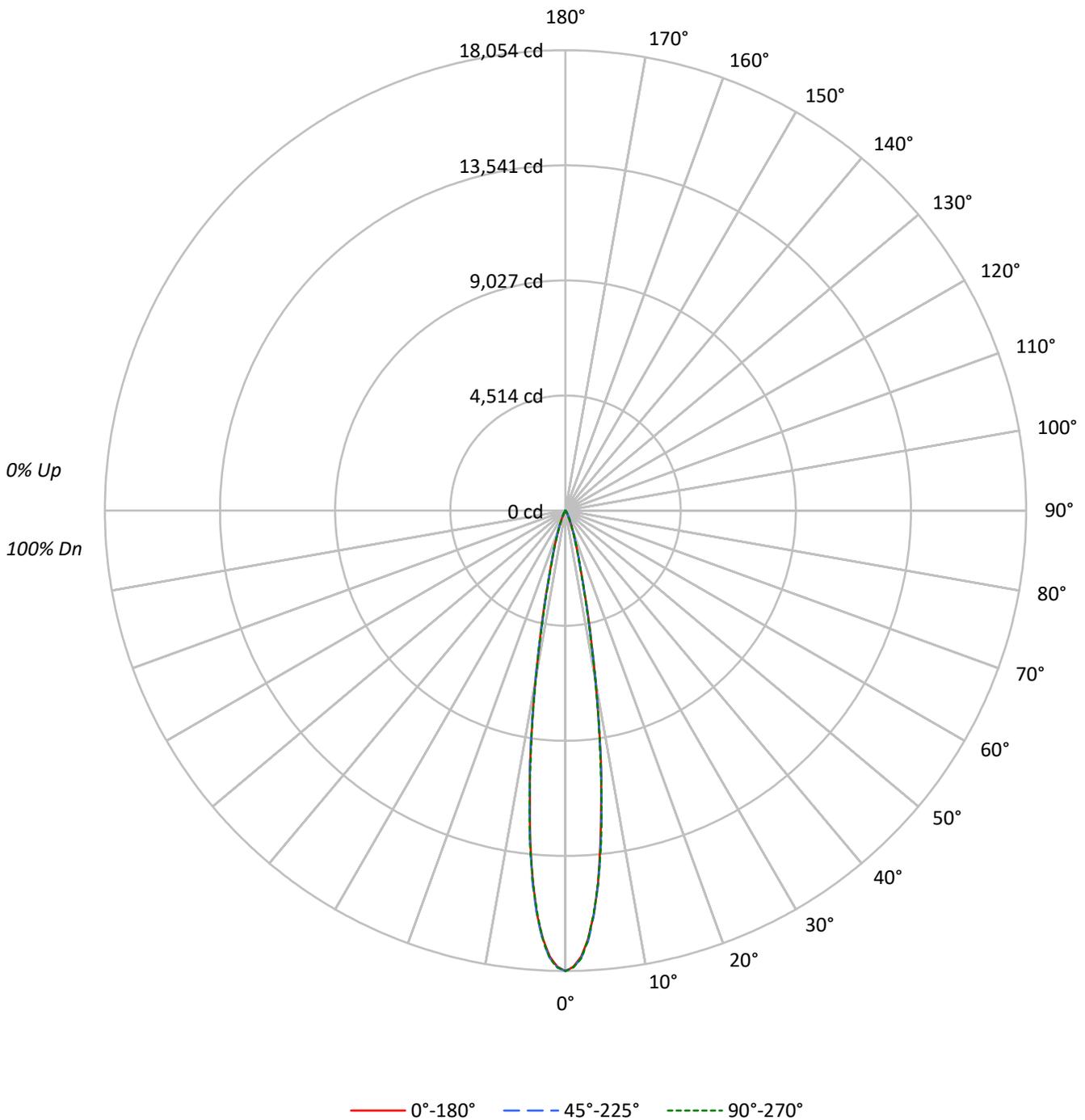
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2015.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1319474
CATALOG NUMBER: LDSQA3D20R159835D010 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 | 102 | 102 | 102 | 100 |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 98 | 96 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 93 | 96 | 95 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 91 | 91 | 95 | 93 | 90 |
| 6 | 103 | 97 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 90 | 93 | 91 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 88 | 92 | 90 | 88 | 88 | 92 | 90 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 90 | 88 | 87 | 87 | 90 | 88 | 86 |
| 9 | 97 | 91 | 88 | 86 | 96 | 91 | 88 | 86 | 90 | 88 | 86 | 90 | 87 | 85 | 89 | 87 | 85 | 85 | 89 | 87 | 84 |
| 10 | 95 | 90 | 87 | 84 | 95 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 85 | 84 | 84 | 88 | 85 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 3109359 | 3109359 | 3109359 |
| 5° | 2531593 | 2539874 | 2534912 |
| 10° | 1180926 | 1191524 | 1176467 |
| 15° | 370842 | 373962 | 371698 |
| 20° | 146932 | 152760 | 142258 |
| 25° | 59364 | 71773 | 57236 |
| 30° | 23764 | 32654 | 22512 |
| 35° | 7043 | 14402 | 6707 |
| 40° | 2158 | 5373 | 1799 |
| 45° | 390 | 1169 | 390 |
| 50° | 0 | 429 | 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: 1169 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1130.4 | 56.1 |
| 10°-20° | 676.0 | 33.6 |
| 20°-30° | 170.5 | 8.5 |
| 30°-40° | 34.8 | 1.7 |
| 40°-50° | 3.2 | 0.2 |
| 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° | 1976.9 | 98.1 |
| 0°-40° | 2011.7 | 99.8 |
| 0°-60° | 2015.0 | 100.0 |
| 0°-90° | 2015.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2015.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 18054 | 18054 | 18054 | 18054 | 18054 | |
| 5° | 14644 | 14616 | 14692 | 14655 | 14663 | 1127 |
| 15° | 2080 | 2097 | 2097 | 2067 | 2085 | 676 |
| 25° | 312 | 341 | 378 | 335 | 301 | 161 |
| 35° | 34 | 45 | 68 | 43 | 32 | 28 |
| 45° | 2 | 3 | 5 | 3 | 2 | 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: P1319474

CATALOG NUMBER: LDSQA3D20R159835D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 18054.3 | 18054.3 | 18054.3 | 18054.3 | 18054.3 |
| 1° | 17891.8 | 17952.3 | 17920.5 | 17946.0 | 17917.3 |
| 2° | 17504.5 | 17585.8 | 17560.3 | 17552.3 | 17574.6 |
| 3° | 16822.3 | 16916.4 | 16913.2 | 16889.3 | 16851.0 |
| 4° | 15891.6 | 15853.3 | 15912.3 | 15905.9 | 15840.6 |
| 5° | 14643.6 | 14616.5 | 14691.5 | 14654.8 | 14662.8 |
| 6° | 13116.8 | 13234.7 | 13209.2 | 13212.4 | 13242.7 |
| 7° | 11476.8 | 11540.6 | 11594.7 | 11639.4 | 11577.2 |
| 8° | 9970.7 | 9954.7 | 9959.5 | 10010.5 | 9838.4 |
| 9° | 8284.5 | 8383.3 | 8319.5 | 8217.5 | 8282.9 |
| 10° | 6752.8 | 6813.4 | 6813.4 | 6724.2 | 6727.3 |
| 11° | 5383.8 | 5433.2 | 5398.1 | 5420.4 | 5280.2 |
| 12° | 4339.9 | 4217.1 | 4188.5 | 4210.8 | 4209.2 |
| 13° | 3313.5 | 3321.4 | 3313.5 | 3311.9 | 3295.9 |
| 14° | 2597.9 | 2639.3 | 2621.8 | 2578.7 | 2559.6 |
| 15° | 2079.9 | 2097.4 | 2097.4 | 2067.1 | 2084.7 |
| 17.5° | 1249.5 | 1270.2 | 1275.0 | 1254.3 | 1254.3 |
| 20° | 801.7 | 811.2 | 833.5 | 803.3 | 776.2 |
| 22.5° | 494.1 | 514.8 | 553.0 | 508.4 | 486.1 |
| 25° | 312.4 | 341.1 | 377.7 | 334.7 | 301.2 |
| 27.5° | 196.0 | 219.9 | 251.8 | 210.4 | 189.7 |
| 30° | 119.5 | 135.5 | 164.2 | 132.3 | 113.2 |
| 32.5° | 66.9 | 79.7 | 103.6 | 76.5 | 63.8 |
| 35° | 33.5 | 44.6 | 68.5 | 43.0 | 31.9 |
| 37.5° | 19.1 | 23.9 | 43.0 | 20.7 | 17.5 |
| 40° | 9.6 | 12.8 | 23.9 | 12.8 | 8.0 |
| 42.5° | 3.2 | 6.4 | 9.6 | 6.4 | 3.2 |
| 45° | 1.6 | 3.2 | 4.8 | 3.2 | 1.6 |
| 47.5° | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 1.6 | 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)