

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: P1316771

Luminaire Tested: LDSQA3D17R409740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

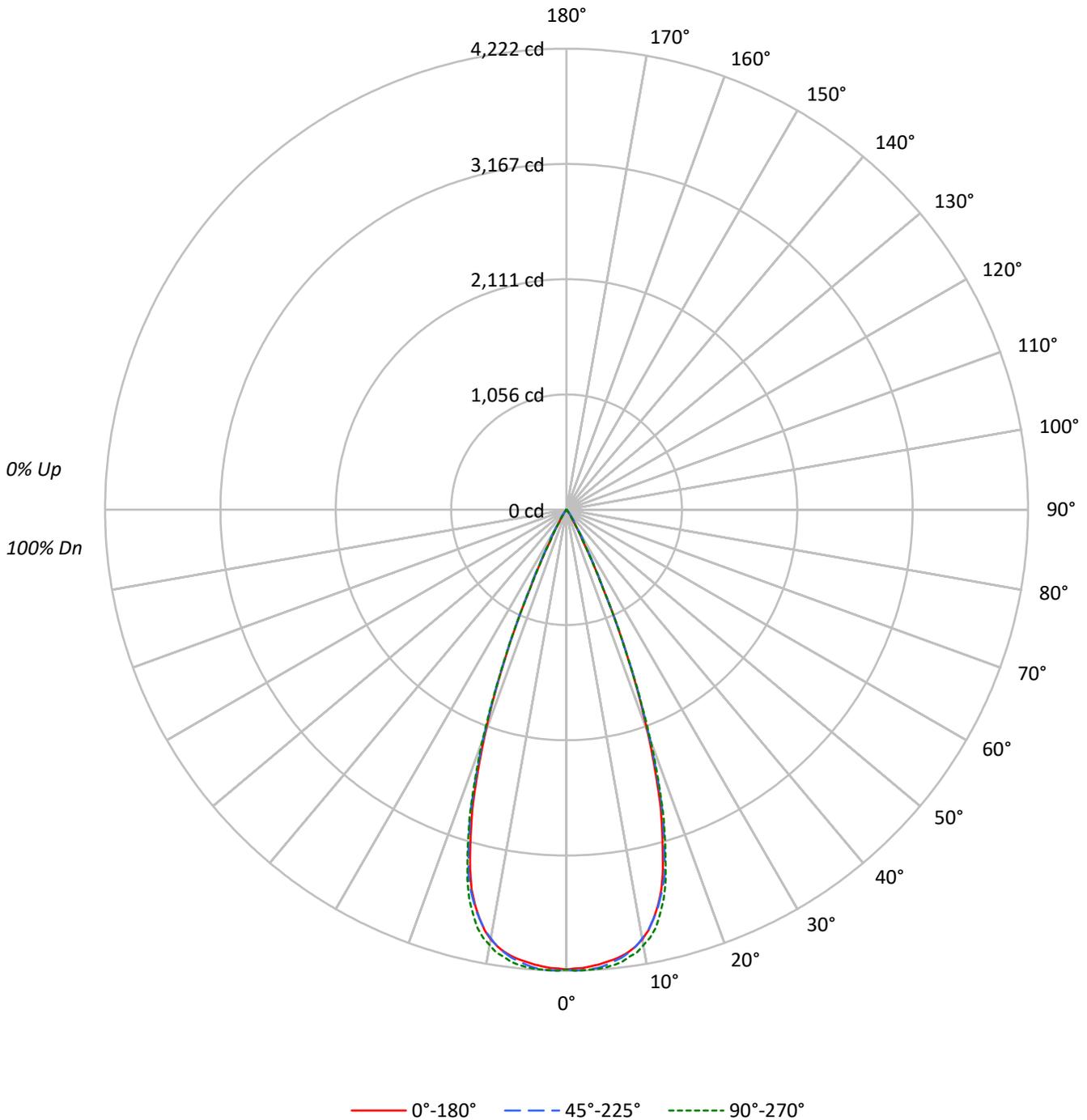
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1771.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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 (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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 | |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 98 | 96 | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 94 | 92 | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 90 | 89 | |
| 4 | 103 | 97 | 93 | 90 | 102 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 87 | 87 | 85 | |
| 5 | 100 | 93 | 89 | 86 | 98 | 93 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 83 | 82 | |
| 6 | 96 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 80 | 79 | |
| 7 | 93 | 86 | 82 | 79 | 92 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 82 | 80 | 77 | 77 | 76 | |
| 8 | 90 | 83 | 79 | 76 | 89 | 83 | 78 | 75 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 75 | 73 | |
| 9 | 87 | 80 | 76 | 73 | 86 | 80 | 75 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 77 | 74 | 72 | 72 | 71 | |
| 10 | 85 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 72 | 70 | 76 | 72 | 70 | 75 | 72 | 70 | 70 | 69 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 725316 | 725316 | 725316 |
| 5° | 719027 | 723557 | 727014 |
| 10° | 698556 | 697244 | 708157 |
| 15° | 607693 | 617482 | 625041 |
| 20° | 398844 | 406615 | 411875 |
| 25° | 142197 | 150482 | 141475 |
| 30° | 31003 | 41921 | 31242 |
| 35° | 9966 | 17303 | 9692 |
| 40° | 3080 | 5328 | 2810 |
| 45° | 292 | 1827 | 292 |
| 50° | 0 | 322 | 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: 1827 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 393.8 | 22.2 |
| 10°-20° | 917.2 | 51.8 |
| 20°-30° | 411.4 | 23.2 |
| 30°-40° | 44.4 | 2.5 |
| 40°-50° | 4.1 | 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° | 1722.4 | 97.3 |
| 0°-40° | 1766.8 | 99.8 |
| 0°-60° | 1771.0 | 100.0 |
| 0°-90° | 1771.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1771.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4212 | 4212 | 4212 | 4212 | 4212 | |
| 5° | 4159 | 4170 | 4185 | 4192 | 4205 | 392 |
| 15° | 3408 | 3433 | 3463 | 3483 | 3506 | 906 |
| 25° | 748 | 771 | 792 | 806 | 744 | 399 |
| 35° | 47 | 55 | 82 | 54 | 46 | 37 |
| 45° | 1 | 2 | 8 | 2 | 1 | 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: P1316771
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 4211.5 | 4211.5 | 4211.5 | 4211.5 | 4211.5 |
| 1° | 4202.8 | 4211.5 | 4219.0 | 4212.7 | 4221.5 |
| 2° | 4199.0 | 4209.0 | 4220.2 | 4214.0 | 4221.5 |
| 3° | 4189.0 | 4201.5 | 4214.0 | 4210.2 | 4217.7 |
| 4° | 4175.3 | 4185.3 | 4204.0 | 4204.0 | 4215.2 |
| 5° | 4159.1 | 4170.3 | 4185.3 | 4191.5 | 4205.3 |
| 6° | 4141.6 | 4147.9 | 4159.1 | 4171.6 | 4190.3 |
| 7° | 4119.2 | 4119.2 | 4132.9 | 4145.4 | 4170.3 |
| 8° | 4088.0 | 4085.5 | 4095.5 | 4111.7 | 4134.2 |
| 9° | 4049.4 | 4040.6 | 4048.1 | 4071.8 | 4105.5 |
| 10° | 3994.5 | 3987.0 | 3987.0 | 4016.9 | 4049.4 |
| 11° | 3923.4 | 3920.9 | 3922.2 | 3950.8 | 3994.5 |
| 12° | 3827.4 | 3829.9 | 3829.9 | 3862.3 | 3915.9 |
| 13° | 3718.9 | 3717.6 | 3728.9 | 3765.0 | 3801.2 |
| 14° | 3586.7 | 3594.2 | 3605.4 | 3637.8 | 3675.2 |
| 15° | 3408.3 | 3433.3 | 3463.2 | 3483.2 | 3505.6 |
| 17.5° | 2865.9 | 2890.8 | 2932.0 | 2948.2 | 2953.2 |
| 20° | 2176.2 | 2212.4 | 2218.6 | 2251.0 | 2247.3 |
| 22.5° | 1459.1 | 1456.6 | 1461.6 | 1465.4 | 1466.6 |
| 25° | 748.3 | 770.7 | 791.9 | 805.6 | 744.5 |
| 27.5° | 325.5 | 364.2 | 391.6 | 355.4 | 329.2 |
| 30° | 155.9 | 177.1 | 210.8 | 178.3 | 157.1 |
| 32.5° | 84.8 | 98.5 | 133.4 | 97.3 | 83.6 |
| 35° | 47.4 | 54.9 | 82.3 | 53.6 | 46.1 |
| 37.5° | 27.4 | 29.9 | 44.9 | 29.9 | 26.2 |
| 40° | 13.7 | 17.5 | 23.7 | 17.5 | 12.5 |
| 42.5° | 5.0 | 8.7 | 12.5 | 8.7 | 5.0 |
| 45° | 1.2 | 2.5 | 7.5 | 2.5 | 1.2 |
| 47.5° | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 1.2 | 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)