

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: P1311265

Luminaire Tested: LDSQA3D09R159040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311265
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: LDSQA3D09R159040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

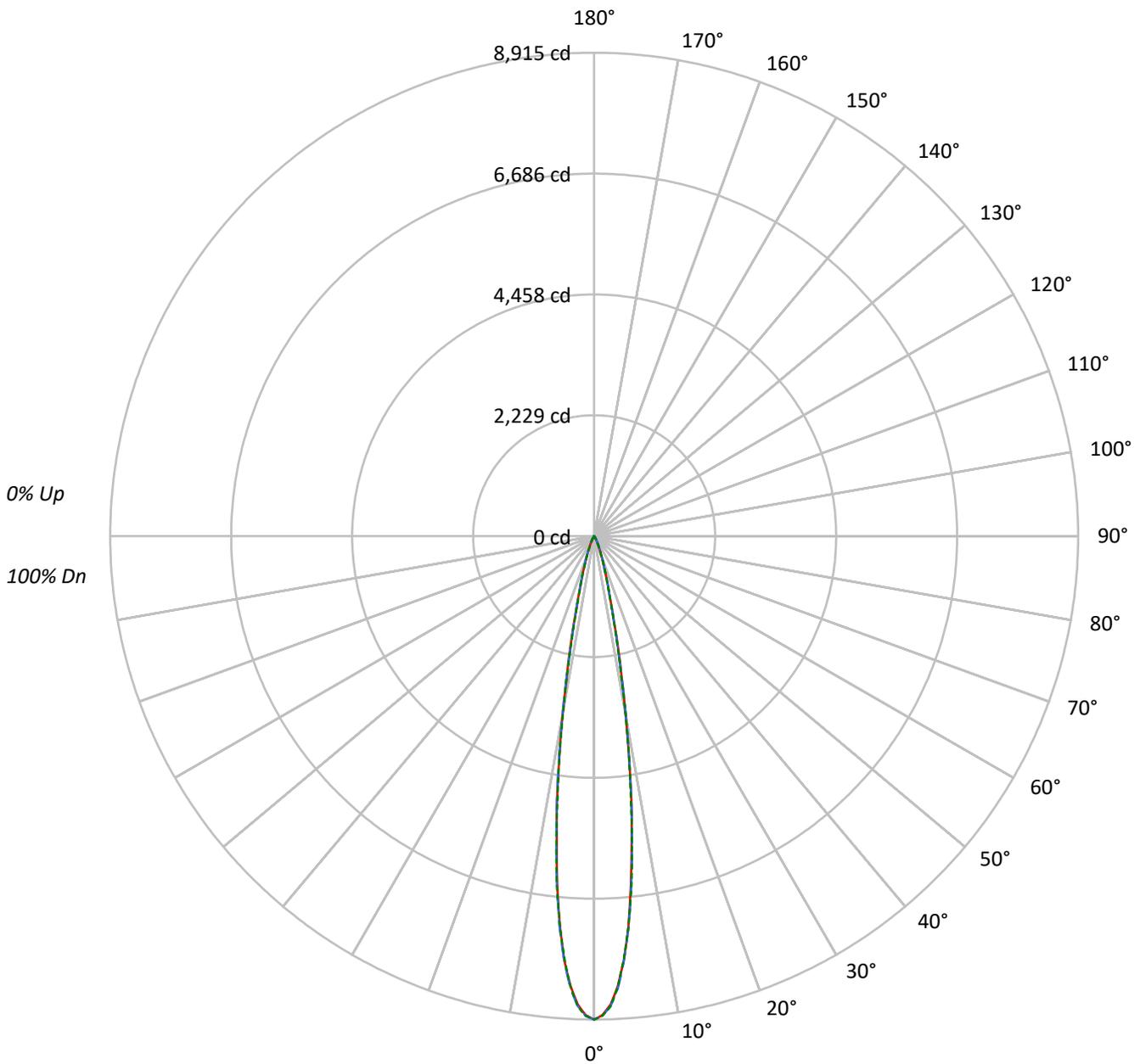
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 995.0 lumens
Efficiency: N/A
Efficacy: 89.6 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): 11.1
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 97 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 95 | 95 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 93 | 93 | 93 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 91 | 91 | 91 | 91 | 90 |
| 6 | 103 | 97 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 90 | 90 | 90 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 88 | 92 | 90 | 88 | 88 | 88 | 88 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 90 | 88 | 87 | 87 | 87 | 87 | 86 |
| 9 | 97 | 91 | 88 | 86 | 96 | 91 | 88 | 86 | 90 | 88 | 86 | 90 | 87 | 85 | 89 | 87 | 85 | 85 | 85 | 85 | 84 |
| 10 | 95 | 90 | 87 | 84 | 95 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 85 | 84 | 84 | 84 | 84 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1535399 | 1535399 | 1535399 |
| 5° | 1250099 | 1254179 | 1251724 |
| 10° | 583136 | 588364 | 580932 |
| 15° | 183112 | 184663 | 183540 |
| 20° | 72559 | 75436 | 70250 |
| 25° | 29321 | 35440 | 28257 |
| 30° | 11733 | 16128 | 11117 |
| 35° | 3469 | 7106 | 3301 |
| 40° | 1057 | 2653 | 877 |
| 45° | 195 | 585 | 195 |
| 50° | 0 | 214 | 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: 585 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 558.2 | 56.1 |
| 10°-20° | 333.8 | 33.6 |
| 20°-30° | 84.2 | 8.5 |
| 30°-40° | 17.2 | 1.7 |
| 40°-50° | 1.6 | 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° | 976.2 | 98.1 |
| 0°-40° | 993.4 | 99.8 |
| 0°-60° | 995.0 | 100.0 |
| 0°-90° | 995.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 995.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 8915 | 8915 | 8915 | 8915 | 8915 | |
| 5° | 7231 | 7218 | 7255 | 7236 | 7240 | 557 |
| 15° | 1027 | 1036 | 1036 | 1021 | 1029 | 334 |
| 25° | 154 | 168 | 186 | 165 | 149 | 79 |
| 35° | 16 | 22 | 34 | 21 | 16 | 14 |
| 45° | 1 | 2 | 2 | 2 | 1 | 1 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 8915.2 | 8915.2 | 8915.2 | 8915.2 | 8915.2 |
| 1° | 8834.9 | 8864.8 | 8849.1 | 8861.6 | 8847.5 |
| 2° | 8643.6 | 8683.8 | 8671.2 | 8667.3 | 8678.3 |
| 3° | 8306.8 | 8353.2 | 8351.7 | 8339.9 | 8321.0 |
| 4° | 7847.2 | 7828.3 | 7857.4 | 7854.3 | 7822.0 |
| 5° | 7231.0 | 7217.6 | 7254.6 | 7236.5 | 7240.4 |
| 6° | 6477.0 | 6535.3 | 6522.7 | 6524.3 | 6539.2 |
| 7° | 5667.2 | 5698.7 | 5725.4 | 5747.5 | 5716.8 |
| 8° | 4923.5 | 4915.6 | 4918.0 | 4943.2 | 4858.2 |
| 9° | 4090.8 | 4139.6 | 4108.2 | 4057.8 | 4090.1 |
| 10° | 3334.5 | 3364.4 | 3364.4 | 3320.4 | 3321.9 |
| 11° | 2658.5 | 2682.9 | 2665.6 | 2676.6 | 2607.3 |
| 12° | 2143.0 | 2082.4 | 2068.2 | 2079.3 | 2078.5 |
| 13° | 1636.2 | 1640.1 | 1636.2 | 1635.4 | 1627.5 |
| 14° | 1282.8 | 1303.3 | 1294.6 | 1273.4 | 1263.9 |
| 15° | 1027.0 | 1035.7 | 1035.7 | 1020.7 | 1029.4 |
| 17.5° | 617.0 | 627.2 | 629.6 | 619.4 | 619.4 |
| 20° | 395.9 | 400.6 | 411.6 | 396.6 | 383.3 |
| 22.5° | 244.0 | 254.2 | 273.1 | 251.1 | 240.0 |
| 25° | 154.3 | 168.4 | 186.5 | 165.3 | 148.7 |
| 27.5° | 96.8 | 108.6 | 124.3 | 103.9 | 93.7 |
| 30° | 59.0 | 66.9 | 81.1 | 65.3 | 55.9 |
| 32.5° | 33.1 | 39.4 | 51.2 | 37.8 | 31.5 |
| 35° | 16.5 | 22.0 | 33.8 | 21.2 | 15.7 |
| 37.5° | 9.4 | 11.8 | 21.2 | 10.2 | 8.7 |
| 40° | 4.7 | 6.3 | 11.8 | 6.3 | 3.9 |
| 42.5° | 1.6 | 3.1 | 4.7 | 3.1 | 1.6 |
| 45° | 0.8 | 1.6 | 2.4 | 1.6 | 0.8 |
| 47.5° | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.8 | 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)