

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: P1309029

Luminaire Tested: LDSQA3D09R159030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309029
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: LDSQA3D09R159030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

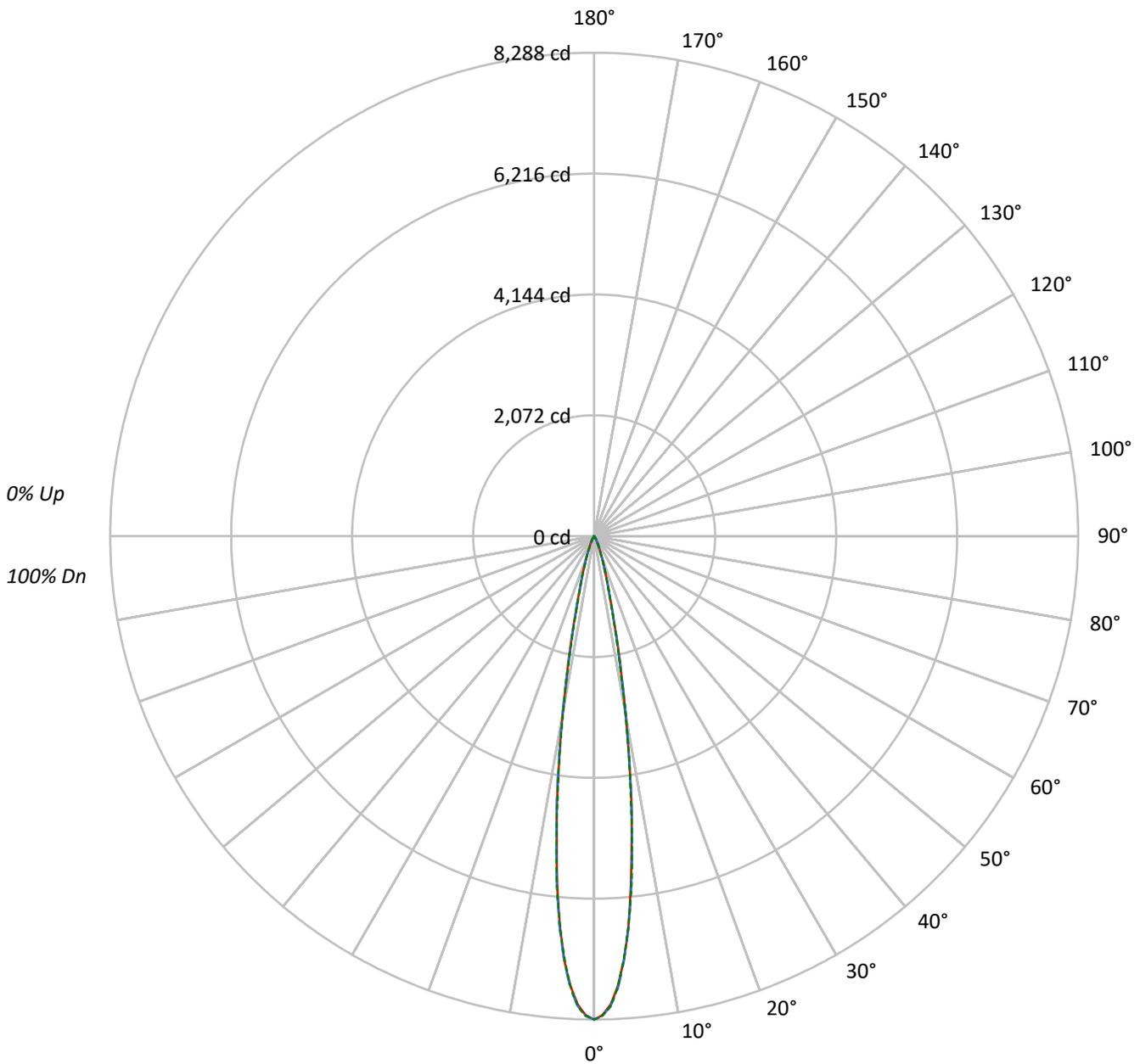
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 83.3 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 (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



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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 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 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 95 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 93 | 93 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 91 | 91 | 91 | 90 |
| 6 | 103 | 97 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 90 | 90 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 88 | 92 | 90 | 88 | 88 | 88 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 90 | 88 | 87 | 87 | 87 | 86 |
| 9 | 97 | 91 | 88 | 86 | 96 | 91 | 88 | 86 | 90 | 88 | 86 | 90 | 87 | 85 | 89 | 87 | 85 | 85 | 85 | 84 |
| 10 | 95 | 90 | 87 | 84 | 95 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 85 | 84 | 84 | 84 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1427381 | 1427381 | 1427381 |
| 5° | 1162155 | 1165941 | 1163659 |
| 10° | 542109 | 546970 | 540063 |
| 15° | 170239 | 171665 | 170631 |
| 20° | 67445 | 70121 | 65301 |
| 25° | 27250 | 32951 | 26281 |
| 30° | 10918 | 14994 | 10321 |
| 35° | 3238 | 6623 | 3070 |
| 40° | 989 | 2473 | 832 |
| 45° | 170 | 536 | 170 |
| 50° | 0 | 188 | 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: 536 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 518.9 | 56.1 |
| 10°-20° | 310.3 | 33.5 |
| 20°-30° | 78.3 | 8.5 |
| 30°-40° | 16.0 | 1.7 |
| 40°-50° | 1.5 | 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° | 907.5 | 98.1 |
| 0°-40° | 923.5 | 99.8 |
| 0°-60° | 925.0 | 100.0 |
| 0°-90° | 925.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 925.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 8288 | 8288 | 8288 | 8288 | 8288 | |
| 5° | 6722 | 6710 | 6744 | 6727 | 6731 | 517 |
| 15° | 955 | 963 | 963 | 949 | 957 | 310 |
| 25° | 143 | 157 | 173 | 154 | 138 | 74 |
| 35° | 15 | 20 | 32 | 20 | 15 | 13 |
| 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° | 8288.0 | 8288.0 | 8288.0 | 8288.0 | 8288.0 |
| 1° | 8213.3 | 8241.1 | 8226.5 | 8238.2 | 8225.0 |
| 2° | 8035.6 | 8072.9 | 8061.2 | 8057.5 | 8067.7 |
| 3° | 7722.4 | 7765.6 | 7764.1 | 7753.1 | 7735.6 |
| 4° | 7295.1 | 7277.6 | 7304.6 | 7301.7 | 7271.7 |
| 5° | 6722.3 | 6709.8 | 6744.2 | 6727.4 | 6731.0 |
| 6° | 6021.4 | 6075.5 | 6063.8 | 6065.3 | 6079.2 |
| 7° | 5268.5 | 5297.8 | 5322.6 | 5343.1 | 5314.6 |
| 8° | 4577.1 | 4569.8 | 4572.0 | 4595.4 | 4516.4 |
| 9° | 3803.0 | 3848.4 | 3819.1 | 3772.3 | 3802.3 |
| 10° | 3099.9 | 3127.7 | 3127.7 | 3086.8 | 3088.2 |
| 11° | 2471.5 | 2494.1 | 2478.0 | 2488.3 | 2423.9 |
| 12° | 1992.2 | 1935.9 | 1922.7 | 1933.0 | 1932.2 |
| 13° | 1521.1 | 1524.7 | 1521.1 | 1520.3 | 1513.0 |
| 14° | 1192.6 | 1211.6 | 1203.5 | 1183.8 | 1175.0 |
| 15° | 954.8 | 962.8 | 962.8 | 948.9 | 957.0 |
| 17.5° | 573.6 | 583.1 | 585.3 | 575.8 | 575.8 |
| 20° | 368.0 | 372.4 | 382.6 | 368.7 | 356.3 |
| 22.5° | 226.8 | 236.3 | 253.9 | 233.4 | 223.1 |
| 25° | 143.4 | 156.6 | 173.4 | 153.6 | 138.3 |
| 27.5° | 90.0 | 101.0 | 115.6 | 96.6 | 87.1 |
| 30° | 54.9 | 62.2 | 75.4 | 60.7 | 51.9 |
| 32.5° | 30.7 | 36.6 | 47.6 | 35.1 | 29.3 |
| 35° | 15.4 | 20.5 | 31.5 | 19.8 | 14.6 |
| 37.5° | 8.8 | 11.0 | 19.8 | 9.5 | 8.0 |
| 40° | 4.4 | 5.9 | 11.0 | 5.9 | 3.7 |
| 42.5° | 1.5 | 2.9 | 4.4 | 2.9 | 1.5 |
| 45° | 0.7 | 1.5 | 2.2 | 1.5 | 0.7 |
| 47.5° | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.7 | 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)