

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: P1317317

Luminaire Tested: LDSQA3D09R259827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

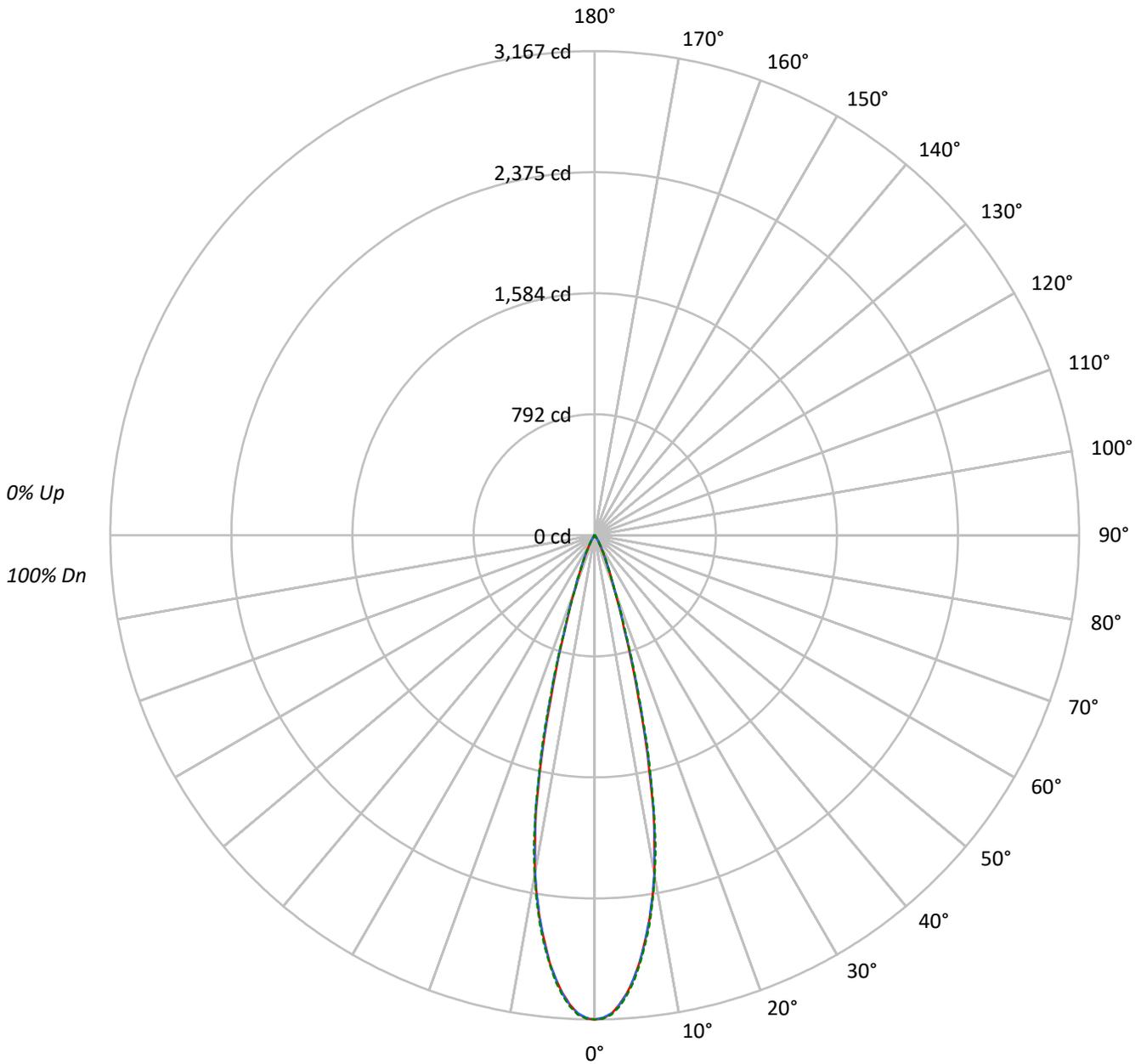
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 669.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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°-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 | 100 | 99 | 99 | 100 |
| 1 | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 102 | 100 | 99 | 99 | 97 | 97 | 97 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 100 | 101 | 99 | 97 | 98 | 97 | 95 | 94 | 94 | 94 | 94 |
| 3 | 108 | 104 | 100 | 98 | 107 | 103 | 99 | 97 | 100 | 98 | 95 | 98 | 96 | 94 | 96 | 94 | 93 | 91 | 91 | 91 | 91 |
| 4 | 105 | 100 | 96 | 93 | 104 | 99 | 96 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 89 | 89 | 89 | 89 |
| 5 | 102 | 97 | 93 | 90 | 101 | 96 | 92 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 86 | 86 | 86 | 86 |
| 6 | 100 | 94 | 90 | 87 | 98 | 93 | 89 | 87 | 92 | 88 | 86 | 90 | 88 | 86 | 89 | 87 | 85 | 84 | 84 | 84 | 84 |
| 7 | 97 | 91 | 87 | 84 | 96 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 87 | 85 | 83 | 82 | 82 | 82 | 82 |
| 8 | 95 | 88 | 84 | 82 | 94 | 88 | 84 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 | 80 | 80 | 80 |
| 9 | 92 | 86 | 82 | 80 | 91 | 86 | 82 | 79 | 85 | 82 | 79 | 84 | 81 | 79 | 83 | 81 | 79 | 78 | 78 | 78 | 78 |
| 10 | 90 | 84 | 80 | 78 | 89 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 | 76 | 76 | 76 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 545395 | 545395 | 545395 |
| 5° | 503756 | 503584 | 506402 |
| 10° | 393514 | 392447 | 395123 |
| 15° | 197964 | 206237 | 206059 |
| 20° | 67739 | 69608 | 68490 |
| 25° | 27212 | 30613 | 28390 |
| 30° | 11057 | 13185 | 10739 |
| 35° | 3217 | 5782 | 3217 |
| 40° | 1484 | 2518 | 1484 |
| 45° | 487 | 999 | 487 |
| 50° | 268 | 402 | 268 |
| 55° | 300 | 300 | 300 |
| 60° | 344 | 344 | 344 |
| 65° | 204 | 204 | 204 |
| 70° | 252 | 252 | 252 |
| 75° | 333 | 333 | 333 |
| 80° | 0 | 496 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 256.9 | 38.4 |
| 10°-20° | 314.5 | 47.0 |
| 20°-30° | 76.8 | 11.5 |
| 30°-40° | 15.9 | 2.4 |
| 40°-50° | 2.8 | 0.4 |
| 50°-60° | 0.9 | 0.1 |
| 60°-70° | 0.7 | 0.1 |
| 70°-80° | 0.5 | 0.1 |
| 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° | 648.2 | 96.9 |
| 0°-40° | 664.1 | 99.3 |
| 0°-60° | 667.7 | 99.8 |
| 0°-90° | 669.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 669.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3167 | 3167 | 3167 | 3167 | 3167 | |
| 5° | 2914 | 2916 | 2913 | 2919 | 2929 | 257 |
| 15° | 1110 | 1129 | 1157 | 1162 | 1156 | 310 |
| 25° | 143 | 150 | 161 | 152 | 149 | 73 |
| 35° | 15 | 21 | 28 | 21 | 15 | 13 |
| 45° | 2 | 3 | 4 | 3 | 2 | 2 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 1 | 0 | 0 | 0 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1317317
 CATALOG NUMBER: LDSQA3D09R259827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3166.8 | 3166.8 | 3166.8 | 3166.8 | 3166.8 |
| 1° | 3160.7 | 3156.6 | 3155.6 | 3156.1 | 3161.2 |
| 2° | 3132.1 | 3129.6 | 3129.1 | 3130.6 | 3137.7 |
| 3° | 3074.0 | 3077.1 | 3078.1 | 3083.2 | 3086.7 |
| 4° | 3002.6 | 3008.8 | 3006.2 | 3012.3 | 3016.4 |
| 5° | 2913.9 | 2916.5 | 2912.9 | 2919.0 | 2929.2 |
| 6° | 2810.4 | 2801.3 | 2809.9 | 2812.5 | 2819.6 |
| 7° | 2681.5 | 2683.5 | 2686.6 | 2689.6 | 2700.3 |
| 8° | 2554.5 | 2548.4 | 2546.9 | 2561.2 | 2569.8 |
| 9° | 2406.2 | 2407.2 | 2401.6 | 2417.9 | 2420.5 |
| 10° | 2250.2 | 2237.4 | 2244.1 | 2256.8 | 2259.4 |
| 11° | 2044.2 | 2040.7 | 2050.4 | 2070.2 | 2086.0 |
| 12° | 1851.0 | 1853.1 | 1863.3 | 1869.9 | 1866.3 |
| 13° | 1595.6 | 1610.9 | 1623.7 | 1630.3 | 1621.6 |
| 14° | 1364.7 | 1364.7 | 1381.0 | 1383.6 | 1414.7 |
| 15° | 1110.3 | 1129.2 | 1156.7 | 1161.8 | 1155.7 |
| 17.5° | 641.3 | 643.9 | 657.1 | 656.6 | 666.3 |
| 20° | 369.6 | 373.2 | 379.8 | 378.3 | 373.7 |
| 22.5° | 222.3 | 229.9 | 245.7 | 233.0 | 229.4 |
| 25° | 143.2 | 149.9 | 161.1 | 151.9 | 149.4 |
| 27.5° | 89.7 | 94.3 | 103.0 | 94.8 | 90.7 |
| 30° | 55.6 | 58.1 | 66.3 | 58.6 | 54.0 |
| 32.5° | 30.1 | 36.7 | 43.3 | 36.7 | 30.1 |
| 35° | 15.3 | 21.4 | 27.5 | 20.9 | 15.3 |
| 37.5° | 10.2 | 12.2 | 17.8 | 11.7 | 10.2 |
| 40° | 6.6 | 8.2 | 11.2 | 8.2 | 6.6 |
| 42.5° | 3.6 | 5.1 | 6.1 | 5.6 | 3.6 |
| 45° | 2.0 | 3.1 | 4.1 | 3.1 | 2.0 |
| 47.5° | 1.5 | 1.5 | 2.5 | 1.5 | 1.0 |
| 50° | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 |
| 52.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 55° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 57.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 60° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 62.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 65° | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.0 | 0.0 | 0.5 | 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)