

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: P1307616

Luminaire Tested: LDSQA3D02R259027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

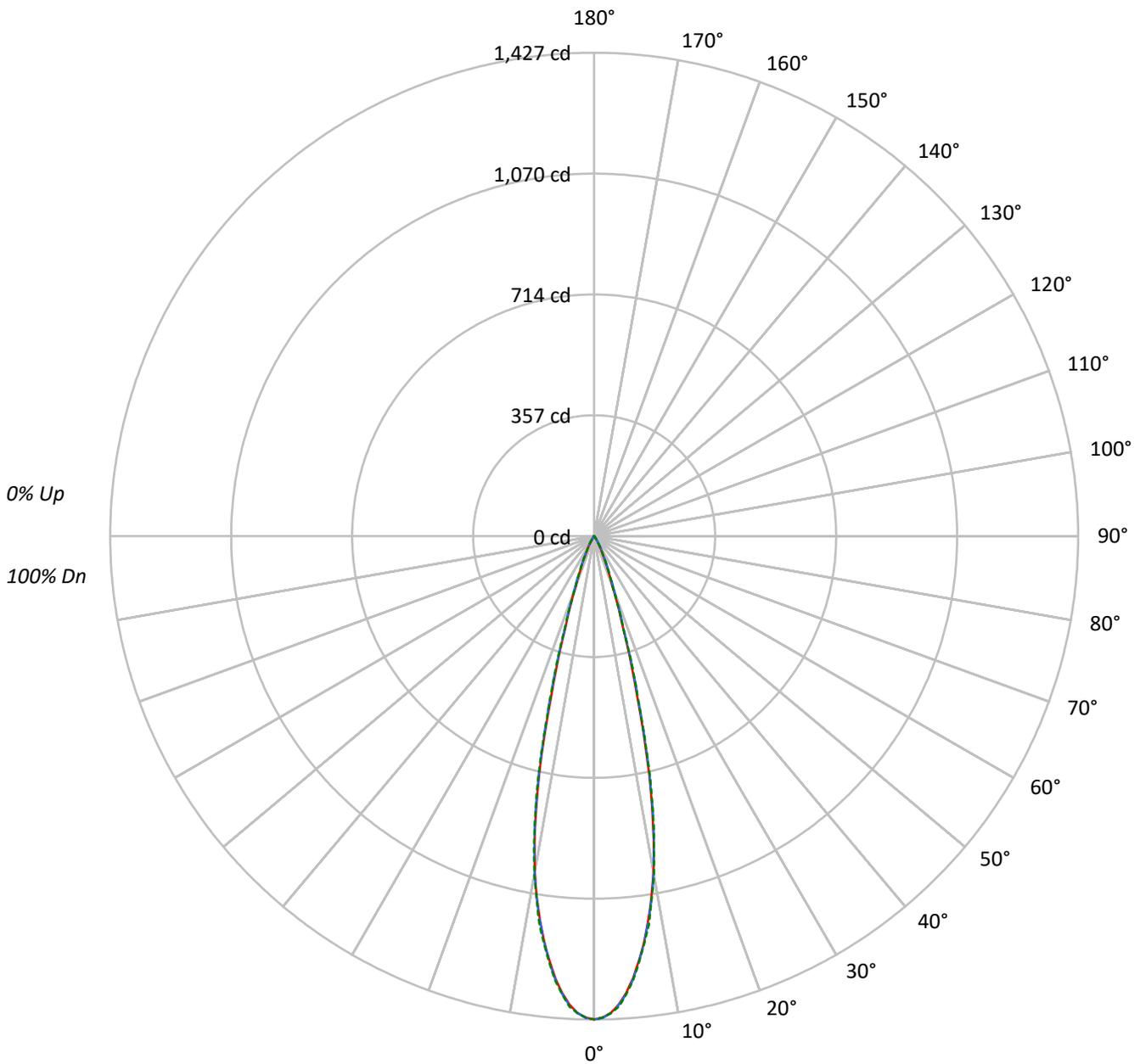
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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°-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 | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 5 | 103 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 7 | 97 | 91 | 87 | 85 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 83 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 9 | 93 | 86 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 10 | 91 | 84 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 82 | 79 | 77 | 77 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 245727 | 245727 | 245727 |
| 5° | 226577 | 227096 | 227563 |
| 10° | 175929 | 176558 | 177520 |
| 15° | 86938 | 90593 | 90629 |
| 20° | 29269 | 31230 | 29856 |
| 25° | 12124 | 13473 | 12466 |
| 30° | 4753 | 5986 | 4813 |
| 35° | 1240 | 2439 | 1304 |
| 40° | 472 | 967 | 472 |
| 45° | 49 | 268 | 49 |
| 50° | 0 | 54 | 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: 268 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 115.6 | 38.9 |
| 10°-20° | 139.8 | 47.1 |
| 20°-30° | 34.1 | 11.5 |
| 30°-40° | 6.6 | 2.2 |
| 40°-50° | 0.8 | 0.3 |
| 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° | 289.6 | 97.5 |
| 0°-40° | 296.2 | 99.7 |
| 0°-60° | 297.0 | 100.0 |
| 0°-90° | 297.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 297.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1427 | 1427 | 1427 | 1427 | 1427 | |
| 5° | 1311 | 1312 | 1314 | 1319 | 1316 | 115 |
| 15° | 488 | 499 | 508 | 513 | 508 | 137 |
| 25° | 64 | 67 | 71 | 68 | 66 | 32 |
| 35° | 6 | 8 | 12 | 8 | 6 | 5 |
| 45° | 0 | 1 | 1 | 1 | 0 | 0 |
| 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° | 1426.8 | 1426.8 | 1426.8 | 1426.8 | 1426.8 |
| 1° | 1421.4 | 1422.3 | 1422.5 | 1423.9 | 1421.1 |
| 2° | 1408.4 | 1408.6 | 1409.3 | 1412.0 | 1409.5 |
| 3° | 1384.5 | 1386.1 | 1386.3 | 1389.9 | 1390.6 |
| 4° | 1351.9 | 1352.8 | 1354.6 | 1360.8 | 1355.3 |
| 5° | 1310.6 | 1312.5 | 1313.6 | 1319.3 | 1316.3 |
| 6° | 1259.6 | 1260.0 | 1262.6 | 1269.2 | 1265.1 |
| 7° | 1207.6 | 1207.4 | 1207.6 | 1212.9 | 1211.7 |
| 8° | 1145.0 | 1143.8 | 1147.5 | 1153.9 | 1158.2 |
| 9° | 1079.6 | 1081.2 | 1083.5 | 1089.6 | 1084.6 |
| 10° | 1006.0 | 1010.3 | 1009.6 | 1010.1 | 1015.1 |
| 11° | 921.2 | 922.6 | 922.8 | 927.6 | 926.9 |
| 12° | 821.6 | 821.6 | 829.2 | 836.9 | 834.4 |
| 13° | 721.2 | 728.2 | 723.2 | 724.8 | 734.8 |
| 14° | 604.0 | 609.5 | 616.4 | 622.7 | 617.7 |
| 15° | 487.6 | 499.2 | 508.1 | 513.1 | 508.3 |
| 17.5° | 279.4 | 283.2 | 290.7 | 291.7 | 288.7 |
| 20° | 159.7 | 164.5 | 170.4 | 168.6 | 162.9 |
| 22.5° | 100.5 | 101.9 | 107.8 | 104.8 | 103.4 |
| 25° | 63.8 | 67.2 | 70.9 | 67.9 | 65.6 |
| 27.5° | 39.6 | 41.9 | 45.8 | 42.6 | 40.1 |
| 30° | 23.9 | 26.0 | 30.1 | 25.7 | 24.2 |
| 32.5° | 12.5 | 15.5 | 18.9 | 15.7 | 12.5 |
| 35° | 5.9 | 8.4 | 11.6 | 8.4 | 6.2 |
| 37.5° | 3.6 | 4.6 | 7.1 | 4.6 | 3.6 |
| 40° | 2.1 | 3.0 | 4.3 | 3.0 | 2.1 |
| 42.5° | 0.9 | 1.6 | 2.1 | 1.6 | 1.1 |
| 45° | 0.2 | 0.7 | 1.1 | 0.7 | 0.2 |
| 47.5° | 0.0 | 0.0 | 0.7 | 0.2 | 0.0 |
| 50° | 0.0 | 0.0 | 0.2 | 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)