

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: P1313367

Luminaire Tested: LDSQA3D05R359727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

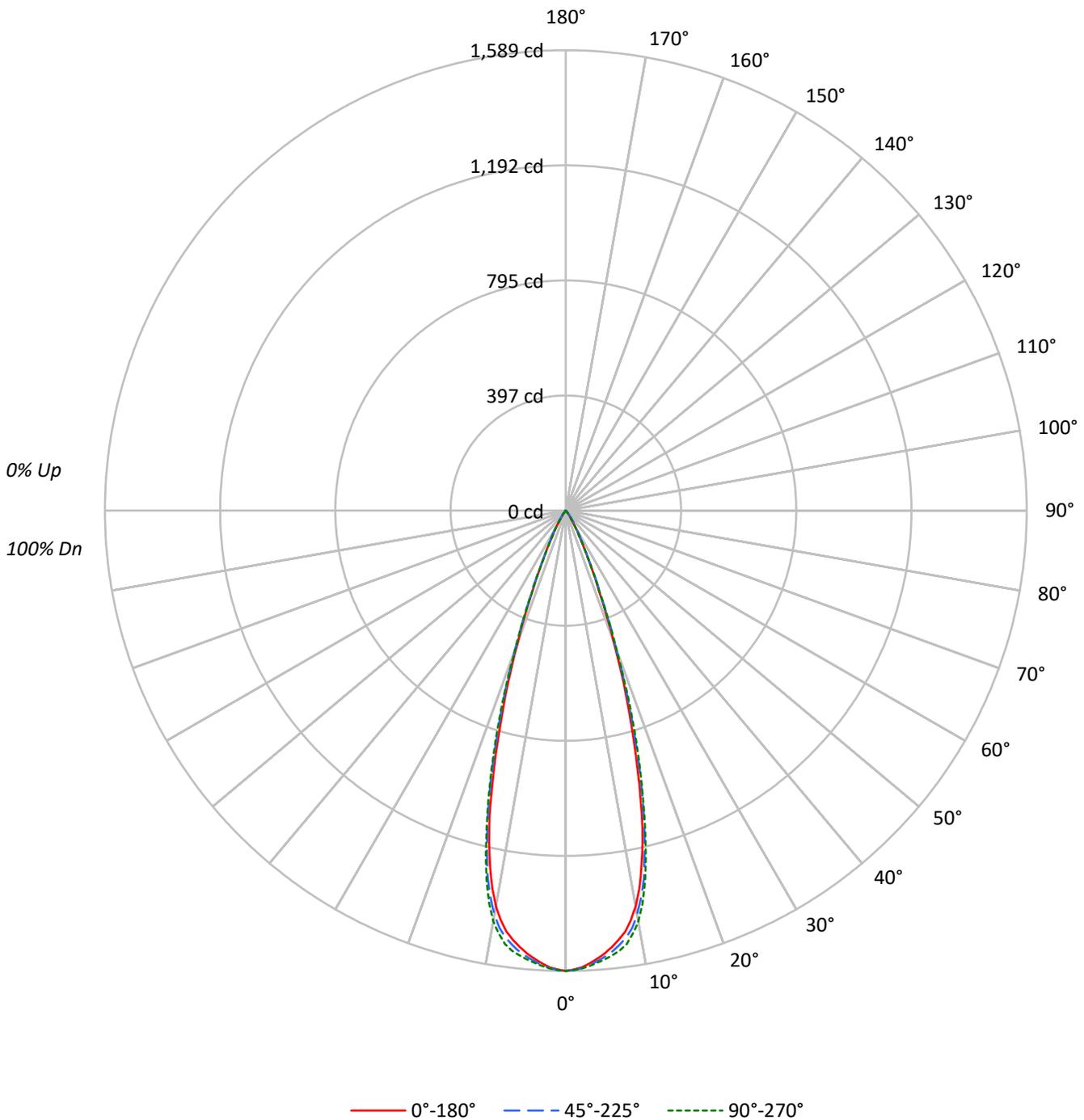
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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





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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 | 100 | 99 | 98 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 96 | 95 | 94 |
| 2 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98 | 100 | 98 | 96 | 97 | 96 | 94 | 93 | 92 | 91 |
| 3 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 96 | 94 | 92 | 94 | 92 | 91 | 89 | 88 | 87 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 88 | 92 | 89 | 87 | 86 | 85 | 84 |
| 5 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 88 | 86 | 90 | 87 | 85 | 89 | 86 | 84 | 83 | 82 | 81 |
| 6 | 97 | 91 | 86 | 83 | 96 | 90 | 86 | 83 | 89 | 85 | 83 | 88 | 84 | 82 | 86 | 84 | 82 | 80 | 79 | 78 |
| 7 | 94 | 88 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 77 | 76 | 75 |
| 8 | 91 | 85 | 80 | 77 | 91 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 81 | 79 | 76 | 74 | 73 | 72 |
| 9 | 89 | 82 | 78 | 75 | 88 | 81 | 77 | 75 | 81 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 74 | 71 | 70 | 69 |
| 10 | 86 | 79 | 75 | 72 | 85 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | 69 | 68 | 67 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 273627 | 273627 | 273627 |
| 5° | 265337 | 267221 | 268656 |
| 10° | 242453 | 247594 | 251844 |
| 15° | 174358 | 181989 | 183469 |
| 20° | 88779 | 93232 | 93452 |
| 25° | 33673 | 34395 | 33445 |
| 30° | 13085 | 15173 | 12747 |
| 35° | 4499 | 7043 | 4226 |
| 40° | 1506 | 2743 | 1416 |
| 45° | 97 | 926 | 97 |
| 50° | 0 | 107 | 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: 926 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 143.8 | 27.2 |
| 10°-20° | 268.0 | 50.7 |
| 20°-30° | 96.3 | 18.2 |
| 30°-40° | 18.8 | 3.6 |
| 40°-50° | 2.1 | 0.4 |
| 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° | 508.1 | 96.0 |
| 0°-40° | 526.9 | 99.6 |
| 0°-60° | 529.0 | 100.0 |
| 0°-90° | 529.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 529.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1589 | 1589 | 1589 | 1589 | 1589 | |
| 5° | 1535 | 1539 | 1546 | 1553 | 1554 | 142 |
| 15° | 978 | 994 | 1021 | 1028 | 1029 | 260 |
| 25° | 177 | 179 | 181 | 180 | 176 | 93 |
| 35° | 21 | 24 | 34 | 25 | 20 | 16 |
| 45° | 0 | 1 | 4 | 1 | 0 | 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 |



TEST NUMBER: P1313367

CATALOG NUMBER: LDSQA3D05R359727DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1588.8 | 1588.8 | 1588.8 | 1588.8 | 1588.8 |
| 1° | 1584.2 | 1586.3 | 1586.7 | 1589.7 | 1586.3 |
| 2° | 1577.5 | 1578.8 | 1580.4 | 1582.9 | 1581.3 |
| 3° | 1564.5 | 1567.0 | 1570.8 | 1574.1 | 1574.1 |
| 4° | 1550.7 | 1554.0 | 1558.6 | 1564.5 | 1564.1 |
| 5° | 1534.8 | 1539.0 | 1545.7 | 1552.8 | 1554.0 |
| 6° | 1514.7 | 1519.7 | 1530.6 | 1540.6 | 1542.3 |
| 7° | 1493.3 | 1500.8 | 1511.3 | 1526.0 | 1529.7 |
| 8° | 1468.1 | 1474.0 | 1489.1 | 1506.3 | 1510.5 |
| 9° | 1431.3 | 1440.1 | 1459.3 | 1475.3 | 1477.8 |
| 10° | 1386.4 | 1392.7 | 1415.8 | 1432.5 | 1440.1 |
| 11° | 1328.6 | 1337.8 | 1360.5 | 1377.6 | 1382.7 |
| 12° | 1254.9 | 1268.3 | 1294.7 | 1307.3 | 1311.4 |
| 13° | 1175.3 | 1186.6 | 1207.1 | 1222.6 | 1226.0 |
| 14° | 1085.6 | 1096.5 | 1117.9 | 1130.4 | 1127.5 |
| 15° | 977.9 | 994.3 | 1020.7 | 1027.8 | 1029.0 |
| 17.5° | 722.3 | 732.8 | 756.3 | 767.6 | 775.6 |
| 20° | 484.4 | 494.4 | 508.7 | 516.2 | 509.9 |
| 22.5° | 294.6 | 302.9 | 310.5 | 310.1 | 308.0 |
| 25° | 177.2 | 178.9 | 181.0 | 179.7 | 176.0 |
| 27.5° | 103.5 | 108.1 | 114.4 | 110.2 | 103.9 |
| 30° | 65.8 | 69.6 | 76.3 | 69.1 | 64.1 |
| 32.5° | 34.8 | 44.0 | 51.1 | 41.5 | 36.5 |
| 35° | 21.4 | 24.3 | 33.5 | 24.7 | 20.1 |
| 37.5° | 13.0 | 15.1 | 20.9 | 14.7 | 11.7 |
| 40° | 6.7 | 9.6 | 12.2 | 8.8 | 6.3 |
| 42.5° | 2.1 | 4.6 | 6.7 | 4.2 | 2.1 |
| 45° | 0.4 | 1.3 | 3.8 | 1.3 | 0.4 |
| 47.5° | 0.0 | 0.0 | 1.7 | 0.4 | 0.0 |
| 50° | 0.0 | 0.0 | 0.4 | 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)