

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: P1317188

Luminaire Tested: LDSQA3D05R309827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

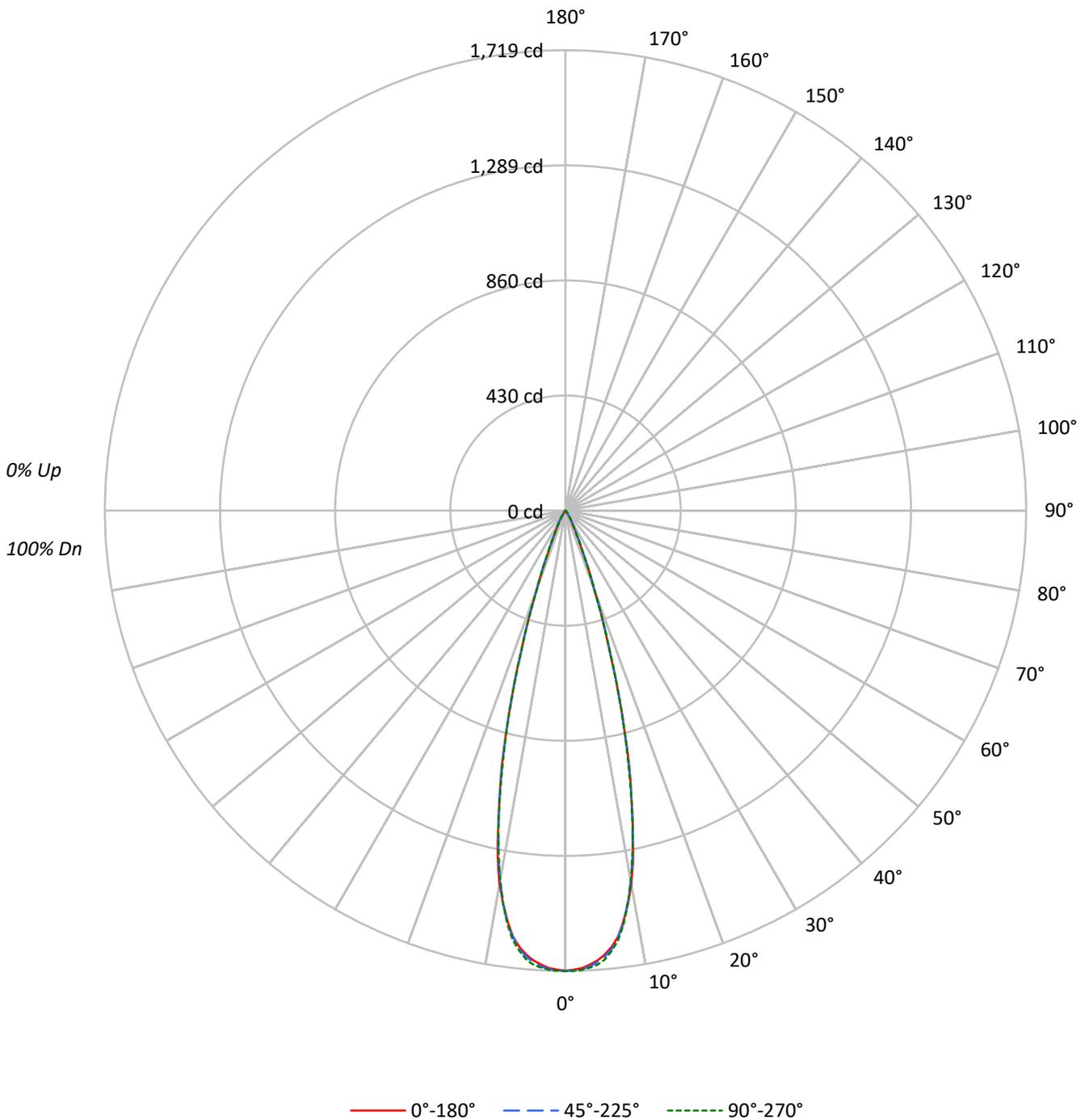
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 446.9 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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





TEST NUMBER: P1317188

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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 | 100 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 94 | 94 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 91 | 91 | 91 |
| 4 | 105 | 99 | 96 | 93 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 88 | 88 | 88 |
| 5 | 102 | 96 | 92 | 89 | 100 | 95 | 91 | 89 | 94 | 90 | 88 | 92 | 89 | 87 | 91 | 88 | 86 | 85 | 85 | 85 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 85 | 90 | 87 | 84 | 88 | 86 | 84 | 83 | 83 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 89 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 81 | 81 | 81 |
| 8 | 94 | 87 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 78 | 78 | 78 |
| 9 | 91 | 85 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 76 | 76 | 76 |
| 10 | 89 | 82 | 78 | 76 | 88 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | 74 | 74 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 295999 | 295999 | 295999 |
| 5° | 287898 | 289143 | 290923 |
| 10° | 247559 | 245443 | 245688 |
| 15° | 152106 | 150894 | 151001 |
| 20° | 57897 | 58025 | 56944 |
| 25° | 18414 | 19402 | 18471 |
| 30° | 7398 | 9188 | 7617 |
| 35° | 2397 | 4058 | 2397 |
| 40° | 1079 | 1776 | 1079 |
| 45° | 414 | 755 | 414 |
| 50° | 188 | 375 | 188 |
| 55° | 210 | 210 | 210 |
| 60° | 241 | 241 | 241 |
| 65° | 122 | 122 | 122 |
| 70° | 151 | 151 | 151 |
| 75° | 200 | 200 | 200 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 151.6 | 33.9 |
| 10°-20° | 224.9 | 50.3 |
| 20°-30° | 55.9 | 12.5 |
| 30°-40° | 11.2 | 2.5 |
| 40°-50° | 2.0 | 0.5 |
| 50°-60° | 0.6 | 0.1 |
| 60°-70° | 0.4 | 0.1 |
| 70°-80° | 0.3 | 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° | 432.4 | 96.7 |
| 0°-40° | 443.5 | 99.2 |
| 0°-60° | 446.2 | 99.8 |
| 0°-90° | 446.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 446.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1719 | 1719 | 1719 | 1719 | 1719 | |
| 5° | 1665 | 1671 | 1672 | 1675 | 1683 | 151 |
| 15° | 853 | 855 | 846 | 849 | 847 | 226 |
| 25° | 97 | 99 | 102 | 101 | 97 | 54 |
| 35° | 11 | 15 | 19 | 14 | 11 | 9 |
| 45° | 2 | 2 | 3 | 2 | 2 | 1 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 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: P1317188

CATALOG NUMBER: LDSQA3D05R309827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 |
| 1° | 1714.9 | 1717.0 | 1718.4 | 1718.4 | 1718.4 |
| 2° | 1710.1 | 1711.5 | 1713.5 | 1713.9 | 1716.6 |
| 3° | 1698.7 | 1701.8 | 1705.3 | 1707.3 | 1708.7 |
| 4° | 1684.9 | 1689.1 | 1691.1 | 1696.3 | 1700.8 |
| 5° | 1665.3 | 1670.8 | 1672.5 | 1674.9 | 1682.8 |
| 6° | 1638.7 | 1642.8 | 1646.3 | 1647.3 | 1652.2 |
| 7° | 1603.5 | 1605.6 | 1604.9 | 1606.6 | 1615.3 |
| 8° | 1550.1 | 1550.8 | 1556.6 | 1552.8 | 1558.7 |
| 9° | 1486.6 | 1483.9 | 1482.5 | 1485.2 | 1485.6 |
| 10° | 1415.6 | 1406.3 | 1403.5 | 1401.1 | 1404.9 |
| 11° | 1323.5 | 1311.4 | 1312.5 | 1311.8 | 1306.3 |
| 12° | 1209.0 | 1207.6 | 1198.7 | 1200.4 | 1208.7 |
| 13° | 1092.1 | 1094.5 | 1092.8 | 1094.9 | 1085.6 |
| 14° | 982.5 | 970.7 | 973.8 | 962.1 | 966.6 |
| 15° | 853.1 | 854.9 | 846.3 | 849.0 | 846.9 |
| 17.5° | 546.2 | 550.0 | 547.3 | 544.9 | 548.6 |
| 20° | 315.9 | 315.5 | 316.6 | 313.5 | 310.7 |
| 22.5° | 166.2 | 168.6 | 171.7 | 172.1 | 174.1 |
| 25° | 96.9 | 99.0 | 102.1 | 100.7 | 97.2 |
| 27.5° | 59.3 | 63.1 | 67.9 | 64.5 | 60.3 |
| 30° | 37.2 | 40.3 | 46.2 | 40.7 | 38.3 |
| 32.5° | 21.0 | 25.5 | 30.3 | 25.5 | 21.0 |
| 35° | 11.4 | 14.8 | 19.3 | 14.5 | 11.4 |
| 37.5° | 7.6 | 8.6 | 12.8 | 8.6 | 7.6 |
| 40° | 4.8 | 5.9 | 7.9 | 5.9 | 4.8 |
| 42.5° | 2.8 | 3.8 | 4.5 | 3.8 | 2.8 |
| 45° | 1.7 | 2.1 | 3.1 | 2.4 | 1.7 |
| 47.5° | 0.7 | 1.0 | 2.1 | 1.0 | 1.0 |
| 50° | 0.7 | 0.7 | 1.4 | 0.7 | 0.7 |
| 52.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 57.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 60° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 62.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 65° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 67.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 70° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 72.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 75° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 77.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 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)