

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: P1318762

Luminaire Tested: LDSQA3D02R209835DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209835DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

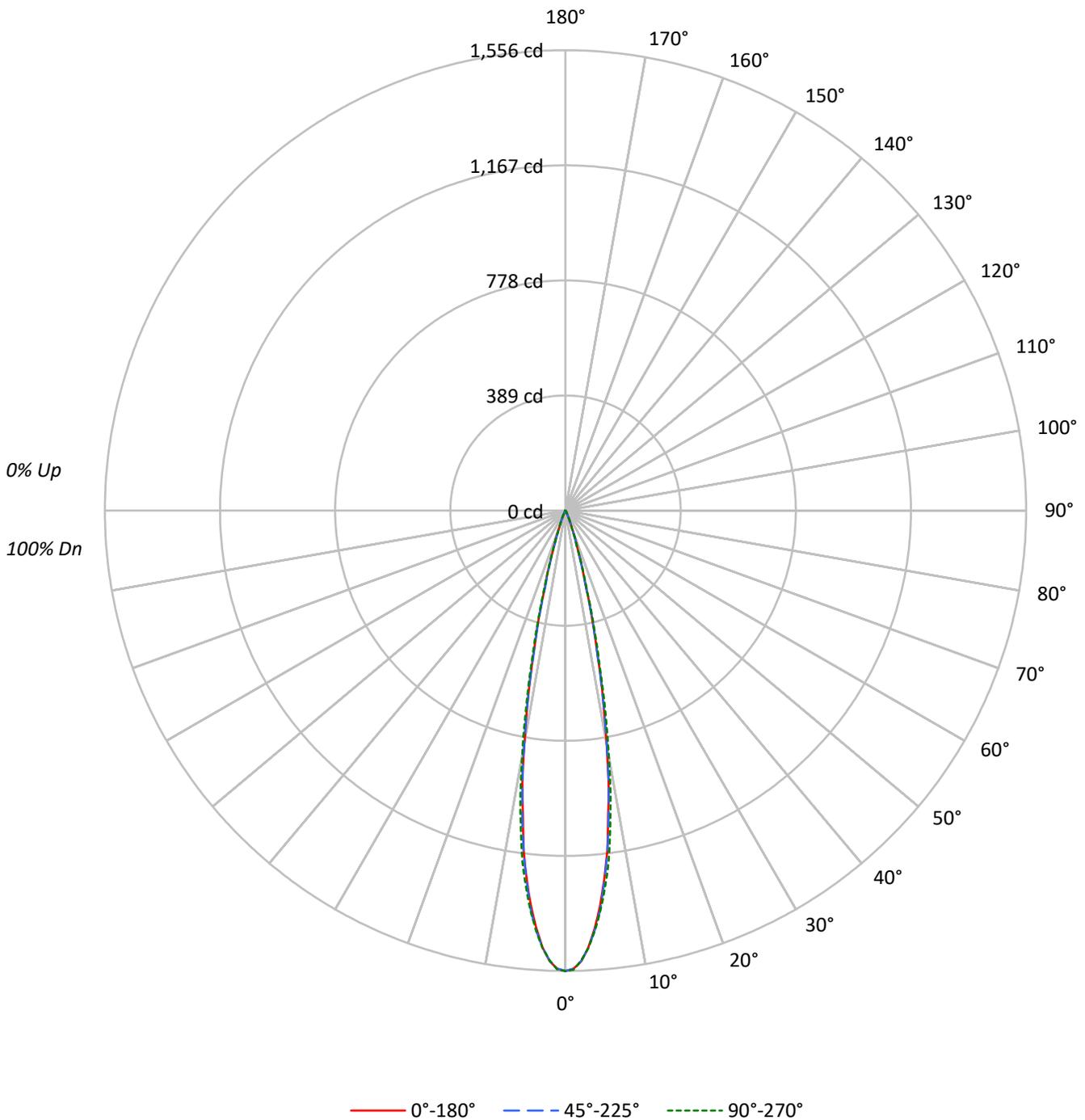
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
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

TEST NUMBER: P1318762
CATALOG NUMBER: LDSQA3D02R209835DE010 3LSQPHR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1318762

CATALOG NUMBER: LDSQA3D02R209835DE010 3LSQPHR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 98 | 96 | 95 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 96 | 95 | 93 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 92 | 95 | 93 | 92 | 91 |
| 6 | 103 | 98 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 90 | 93 | 91 | 90 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 91 | 88 | 87 | 86 |
| 9 | 97 | 92 | 88 | 86 | 96 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 85 |
| 10 | 95 | 90 | 87 | 85 | 95 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 267996 | 267996 | 267996 |
| 5° | 231504 | 233665 | 234530 |
| 10° | 139361 | 140673 | 147668 |
| 15° | 48212 | 47071 | 50833 |
| 20° | 12664 | 11913 | 11950 |
| 25° | 2755 | 3325 | 3782 |
| 30° | 1193 | 1193 | 1213 |
| 35° | 673 | 589 | 631 |
| 40° | 292 | 337 | 382 |
| 45° | 97 | 146 | 146 |
| 50° | 54 | 54 | 54 |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 146 cd/sqm



TEST NUMBER: P1318762

CATALOG NUMBER: LDSQA3D02R209835DE010 3LSQPHR1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.3 | 53.2 |
| 10°-20° | 84.7 | 40.5 |
| 20°-30° | 10.5 | 5.0 |
| 30°-40° | 2.0 | 0.9 |
| 40°-50° | 0.5 | 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° | 206.5 | 98.8 |
| 0°-40° | 208.5 | 99.8 |
| 0°-60° | 209.0 | 100.0 |
| 0°-90° | 209.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 209.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1556 | 1556 | 1556 | 1556 | 1556 | |
| 5° | 1339 | 1338 | 1352 | 1351 | 1357 | 110 |
| 15° | 270 | 261 | 264 | 280 | 285 | 85 |
| 25° | 14 | 17 | 18 | 18 | 20 | 10 |
| 35° | 3 | 3 | 3 | 3 | 3 | 2 |
| 45° | 0 | 1 | 1 | 1 | 1 | 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 |



TEST NUMBER: P1318762
 CATALOG NUMBER: LDSQA3D02R209835DE010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1556.1 | 1556.1 | 1556.1 | 1556.1 | 1556.1 |
| 1° | 1548.8 | 1546.9 | 1548.4 | 1545.3 | 1551.8 |
| 2° | 1524.0 | 1522.2 | 1522.2 | 1520.3 | 1521.2 |
| 3° | 1477.9 | 1480.8 | 1479.0 | 1475.1 | 1480.1 |
| 4° | 1414.9 | 1418.3 | 1421.3 | 1421.4 | 1422.2 |
| 5° | 1339.1 | 1338.2 | 1351.6 | 1350.7 | 1356.6 |
| 6° | 1252.7 | 1251.6 | 1257.4 | 1267.1 | 1279.0 |
| 7° | 1157.8 | 1144.2 | 1159.6 | 1179.2 | 1195.2 |
| 8° | 1034.9 | 1038.4 | 1049.0 | 1072.1 | 1085.0 |
| 9° | 930.6 | 910.0 | 932.5 | 960.0 | 974.0 |
| 10° | 796.9 | 780.2 | 804.4 | 833.4 | 844.4 |
| 12.5° | 501.6 | 487.1 | 494.9 | 525.5 | 530.3 |
| 15° | 270.4 | 260.7 | 264.0 | 279.9 | 285.1 |
| 17.5° | 138.0 | 129.2 | 127.4 | 137.4 | 138.5 |
| 20° | 69.1 | 67.0 | 65.0 | 65.9 | 65.2 |
| 22.5° | 32.0 | 34.8 | 34.4 | 32.6 | 34.8 |
| 25° | 14.5 | 16.6 | 17.5 | 18.2 | 19.9 |
| 27.5° | 8.9 | 8.6 | 9.9 | 10.6 | 10.8 |
| 30° | 6.0 | 5.8 | 6.0 | 6.1 | 6.1 |
| 32.5° | 4.3 | 4.1 | 3.9 | 3.9 | 4.1 |
| 35° | 3.2 | 3.2 | 2.8 | 3.0 | 3.0 |
| 37.5° | 2.2 | 2.2 | 2.0 | 2.2 | 2.2 |
| 40° | 1.3 | 1.5 | 1.5 | 1.5 | 1.7 |
| 42.5° | 0.7 | 0.9 | 0.9 | 0.9 | 0.9 |
| 45° | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 |
| 47.5° | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |
| 50° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 52.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 |
| 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)