

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: P1308083

Luminaire Tested: LDSQA3D13R159027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159027DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

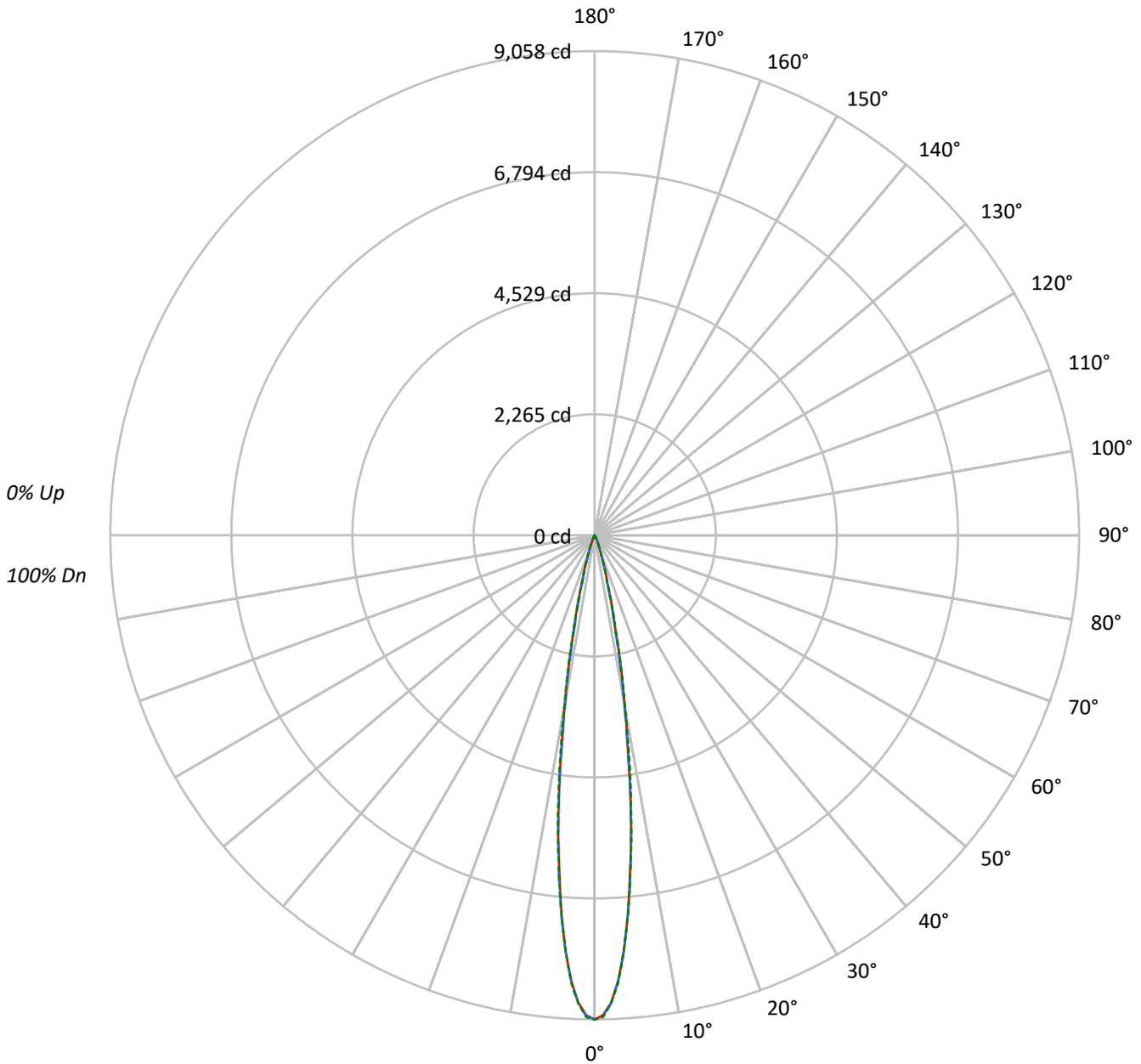
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 907.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

TEST NUMBER: P1308083
CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQPHR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1308083

CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQPHR1MW

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1560027 | 1560027 | 1560027 |
| 5° | 1230546 | 1233848 | 1229457 |
| 10° | 562989 | 548230 | 574881 |
| 15° | 167386 | 149432 | 163998 |
| 20° | 49704 | 48220 | 52197 |
| 25° | 14138 | 18281 | 16380 |
| 30° | 5051 | 5409 | 4872 |
| 35° | 1913 | 1724 | 1724 |
| 40° | 809 | 405 | 607 |
| 45° | 438 | 219 | 438 |
| 50° | 241 | 0 | 241 |
| 55° | 270 | 0 | 270 |
| 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: 0°

Vertical Angle: 47.5°

Luminance: 459 cd/sqm



TEST NUMBER: P1308083

CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQPHR1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 547.3 | 60.3 |
| 10°-20° | 303.8 | 33.5 |
| 20°-30° | 48.4 | 5.3 |
| 30°-40° | 6.3 | 0.7 |
| 40°-50° | 0.9 | 0.1 |
| 50°-60° | 0.2 | 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° | 899.5 | 99.2 |
| 0°-40° | 905.8 | 99.9 |
| 0°-60° | 907.0 | 100.0 |
| 0°-90° | 907.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 907.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 9058 | 9058 | 9058 | 9058 | 9058 | |
| 5° | 7118 | 7178 | 7137 | 7107 | 7112 | 546 |
| 15° | 939 | 927 | 838 | 891 | 920 | 310 |
| 25° | 74 | 83 | 96 | 96 | 86 | 45 |
| 35° | 9 | 9 | 8 | 9 | 8 | 7 |
| 45° | 2 | 1 | 1 | 1 | 2 | 2 |
| 55° | 1 | 0 | 0 | 0 | 1 | 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: P1308083
 CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9058.2 | 9058.2 | 9058.2 | 9058.2 | 9058.2 | 9058.2 | 9058.2 | 9058.2 | 9058.2 | 9058.2 | 9058.2 |
| 1° | 8980.2 | 8990.1 | 9002.8 | 8991.0 | 8980.2 | 8990.1 | 8976.5 | 8978.3 | 8967.5 | 8991.0 | 9017.4 |
| 2° | 8751.6 | 8764.3 | 8757.0 | 8740.7 | 8766.1 | 8767.9 | 8739.8 | 8726.2 | 8724.4 | 8747.9 | 8757.0 |
| 3° | 8347.0 | 8376.0 | 8377.0 | 8371.5 | 8363.3 | 8347.0 | 8318.0 | 8337.0 | 8310.7 | 8294.4 | 8386.9 |
| 4° | 7809.1 | 7834.5 | 7864.4 | 7844.5 | 7784.6 | 7790.1 | 7809.1 | 7744.7 | 7748.3 | 7785.5 | 7788.3 |
| 5° | 7117.9 | 7195.0 | 7198.6 | 7170.5 | 7123.4 | 7137.0 | 7123.4 | 7105.2 | 7111.6 | 7135.1 | 7111.6 |
| 6° | 6304.3 | 6391.3 | 6326.9 | 6388.6 | 6375.0 | 6392.2 | 6396.8 | 6377.7 | 6391.3 | 6376.8 | 6372.3 |
| 7° | 5601.3 | 5535.0 | 5544.1 | 5518.7 | 5545.9 | 5564.1 | 5575.0 | 5542.3 | 5568.6 | 5610.3 | 5622.1 |
| 8° | 4729.6 | 4710.5 | 4691.5 | 4736.8 | 4724.1 | 4745.9 | 4759.5 | 4795.8 | 4794.0 | 4806.7 | 4848.4 |
| 9° | 3899.6 | 3927.7 | 3944.9 | 3905.0 | 3939.5 | 3872.4 | 3895.9 | 3993.0 | 3967.6 | 3993.0 | 4067.4 |
| 10° | 3219.3 | 3241.9 | 3216.5 | 3215.6 | 3179.3 | 3134.9 | 3132.2 | 3168.5 | 3244.7 | 3304.5 | 3287.3 |
| 12.5° | 1776.1 | 1796.0 | 1798.8 | 1796.9 | 1731.6 | 1658.2 | 1671.8 | 1700.8 | 1748.0 | 1767.9 | 1800.6 |
| 15° | 938.8 | 937.9 | 947.9 | 919.8 | 885.3 | 838.1 | 841.8 | 881.7 | 917.1 | 926.1 | 919.8 |
| 17.5° | 481.7 | 483.5 | 490.7 | 483.5 | 447.2 | 451.7 | 461.7 | 466.2 | 487.1 | 495.3 | 490.7 |
| 20° | 271.2 | 272.1 | 271.2 | 273.9 | 259.4 | 263.1 | 275.8 | 276.7 | 281.2 | 285.7 | 284.8 |
| 22.5° | 155.1 | 156.0 | 161.5 | 159.6 | 156.0 | 160.6 | 163.3 | 167.8 | 169.6 | 167.8 | 173.3 |
| 25° | 74.4 | 75.3 | 75.3 | 86.2 | 91.6 | 96.2 | 98.0 | 96.2 | 94.3 | 87.1 | 86.2 |
| 27.5° | 42.6 | 42.6 | 44.4 | 45.4 | 47.2 | 55.3 | 54.4 | 45.4 | 38.1 | 38.1 | 39.0 |
| 30° | 25.4 | 24.5 | 24.5 | 25.4 | 26.3 | 27.2 | 25.4 | 24.5 | 24.5 | 25.4 | 24.5 |
| 32.5° | 15.4 | 15.4 | 15.4 | 14.5 | 14.5 | 13.6 | 13.6 | 15.4 | 15.4 | 15.4 | 15.4 |
| 35° | 9.1 | 9.1 | 9.1 | 9.1 | 8.2 | 8.2 | 8.2 | 9.1 | 9.1 | 8.2 | 8.2 |
| 37.5° | 5.4 | 5.4 | 5.4 | 4.5 | 4.5 | 3.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 40° | 3.6 | 3.6 | 2.7 | 2.7 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 42.5° | 2.7 | 2.7 | 1.8 | 1.8 | 0.9 | 0.9 | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 |
| 45° | 1.8 | 1.8 | 1.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.8 | 1.8 |
| 47.5° | 1.8 | 1.8 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 50° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 52.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 55° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)