

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: P1312862

Luminaire Tested: LDSQA3D20R309050D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312862
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: LDSQA3D20R309050D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

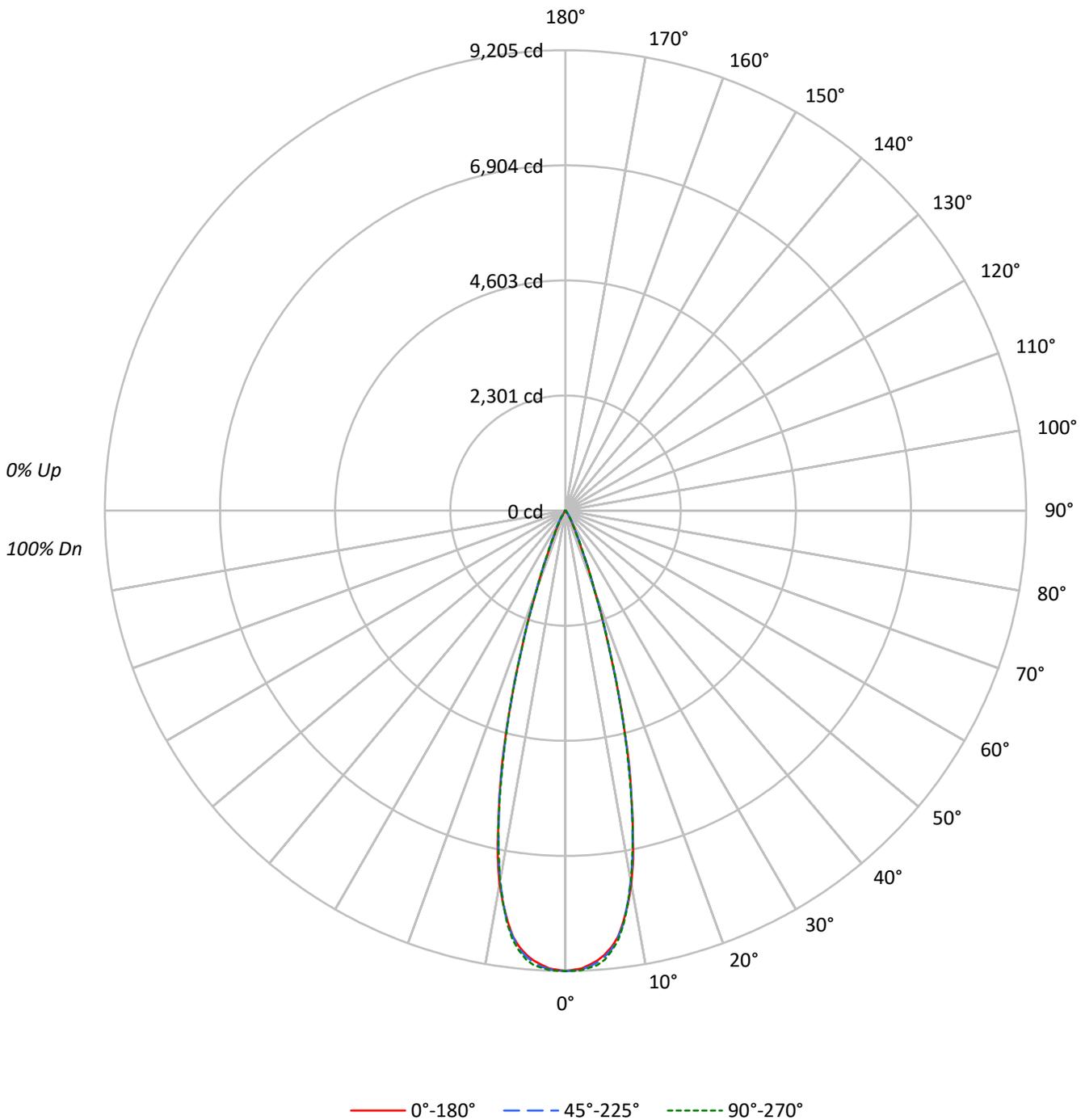
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2393.9 lumens
Efficiency: N/A
Efficacy: 83.1 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): 28.8
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: P1312862
CATALOG NUMBER: LDSQA3D20R309050D010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312862
 CATALOG NUMBER: LDSQA3D20R309050D010 3LSQCDR1MW

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 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 94 | 93 | 92 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 91 | 90 | 89 |
| 4 | 105 | 99 | 96 | 93 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 88 | 87 | 86 |
| 5 | 102 | 96 | 92 | 89 | 100 | 95 | 91 | 89 | 94 | 90 | 88 | 92 | 89 | 87 | 91 | 88 | 86 | 85 | 84 | 83 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 85 | 90 | 87 | 84 | 88 | 86 | 84 | 83 | 82 | 81 |
| 7 | 96 | 90 | 86 | 83 | 95 | 89 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 81 | 80 | 79 |
| 8 | 94 | 87 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 78 | 77 | 76 |
| 9 | 91 | 85 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 76 | 75 | 74 |
| 10 | 89 | 82 | 78 | 76 | 88 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | 73 | 72 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1585292 | 1585292 | 1585292 |
| 5° | 1541852 | 1548560 | 1558137 |
| 10° | 1325849 | 1314534 | 1315828 |
| 15° | 814679 | 808100 | 808760 |
| 20° | 310066 | 310725 | 304970 |
| 25° | 98624 | 103888 | 98966 |
| 30° | 39674 | 49219 | 40767 |
| 35° | 12804 | 21739 | 12804 |
| 40° | 5823 | 9555 | 5823 |
| 45° | 2241 | 4043 | 2241 |
| 50° | 991 | 1983 | 991 |
| 55° | 1111 | 1111 | 1111 |
| 60° | 1274 | 1274 | 1274 |
| 65° | 734 | 734 | 734 |
| 70° | 906 | 906 | 906 |
| 75° | 1198 | 1198 | 1198 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4043 cd/sqm



TEST NUMBER: P1312862

CATALOG NUMBER: LDSQA3D20R309050D010 3LSQCDR1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 812.0 | 33.9 |
| 10°-20° | 1204.5 | 50.3 |
| 20°-30° | 299.3 | 12.5 |
| 30°-40° | 59.7 | 2.5 |
| 40°-50° | 10.9 | 0.5 |
| 50°-60° | 3.4 | 0.1 |
| 60°-70° | 2.5 | 0.1 |
| 70°-80° | 1.7 | 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° | 2315.8 | 96.7 |
| 0°-40° | 2375.5 | 99.2 |
| 0°-60° | 2389.8 | 99.8 |
| 0°-90° | 2393.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2393.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 9205 | 9205 | 9205 | 9205 | 9205 | |
| 5° | 8919 | 8948 | 8957 | 8970 | 9013 | 811 |
| 15° | 4569 | 4578 | 4532 | 4547 | 4536 | 1209 |
| 25° | 519 | 530 | 547 | 539 | 521 | 291 |
| 35° | 61 | 79 | 103 | 78 | 61 | 49 |
| 45° | 9 | 11 | 17 | 13 | 9 | 8 |
| 55° | 4 | 4 | 4 | 4 | 4 | 3 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1312862
 CATALOG NUMBER: LDSQA3D20R309050D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 9204.9 | 9204.9 | 9204.9 | 9204.9 | 9204.9 |
| 1° | 9184.6 | 9195.7 | 9203.0 | 9203.0 | 9203.0 |
| 2° | 9158.7 | 9166.1 | 9177.2 | 9179.0 | 9193.8 |
| 3° | 9097.8 | 9114.4 | 9132.9 | 9143.9 | 9151.3 |
| 4° | 9023.9 | 9046.1 | 9057.1 | 9084.8 | 9108.9 |
| 5° | 8918.6 | 8948.2 | 8957.4 | 8970.3 | 9012.8 |
| 6° | 8776.4 | 8798.6 | 8817.1 | 8822.6 | 8848.4 |
| 7° | 8588.0 | 8599.1 | 8595.4 | 8604.7 | 8650.8 |
| 8° | 8301.8 | 8305.5 | 8336.9 | 8316.5 | 8347.9 |
| 9° | 7961.9 | 7947.2 | 7939.8 | 7954.6 | 7956.4 |
| 10° | 7581.5 | 7531.6 | 7516.8 | 7503.9 | 7524.2 |
| 11° | 7088.4 | 7023.7 | 7029.3 | 7025.6 | 6996.0 |
| 12° | 6475.2 | 6467.8 | 6419.8 | 6429.0 | 6473.3 |
| 13° | 5849.1 | 5862.0 | 5852.8 | 5863.9 | 5814.0 |
| 14° | 5261.8 | 5199.0 | 5215.6 | 5152.8 | 5176.8 |
| 15° | 4569.2 | 4578.4 | 4532.3 | 4547.0 | 4536.0 |
| 17.5° | 2925.5 | 2945.8 | 2931.0 | 2918.1 | 2938.4 |
| 20° | 1691.8 | 1689.9 | 1695.4 | 1678.8 | 1664.0 |
| 22.5° | 890.2 | 903.1 | 919.8 | 921.6 | 932.7 |
| 25° | 519.0 | 530.1 | 546.7 | 539.3 | 520.8 |
| 27.5° | 317.7 | 338.0 | 363.8 | 345.4 | 323.2 |
| 30° | 199.5 | 216.1 | 247.5 | 217.9 | 205.0 |
| 32.5° | 112.7 | 136.7 | 162.5 | 136.7 | 112.7 |
| 35° | 60.9 | 79.4 | 103.4 | 77.6 | 60.9 |
| 37.5° | 40.6 | 46.2 | 68.3 | 46.2 | 40.6 |
| 40° | 25.9 | 31.4 | 42.5 | 31.4 | 25.9 |
| 42.5° | 14.8 | 20.3 | 24.0 | 20.3 | 14.8 |
| 45° | 9.2 | 11.1 | 16.6 | 12.9 | 9.2 |
| 47.5° | 3.7 | 5.5 | 11.1 | 5.5 | 5.5 |
| 50° | 3.7 | 3.7 | 7.4 | 3.7 | 3.7 |
| 52.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 55° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 57.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 60° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 62.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 65° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 67.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 70° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 72.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 77.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 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 |



TEST NUMBER: P1312862
CATALOG NUMBER: LDSQA3D20R309050D010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)