

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: P1315882

Luminaire Tested: LDSQA3D20R159735D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159735D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

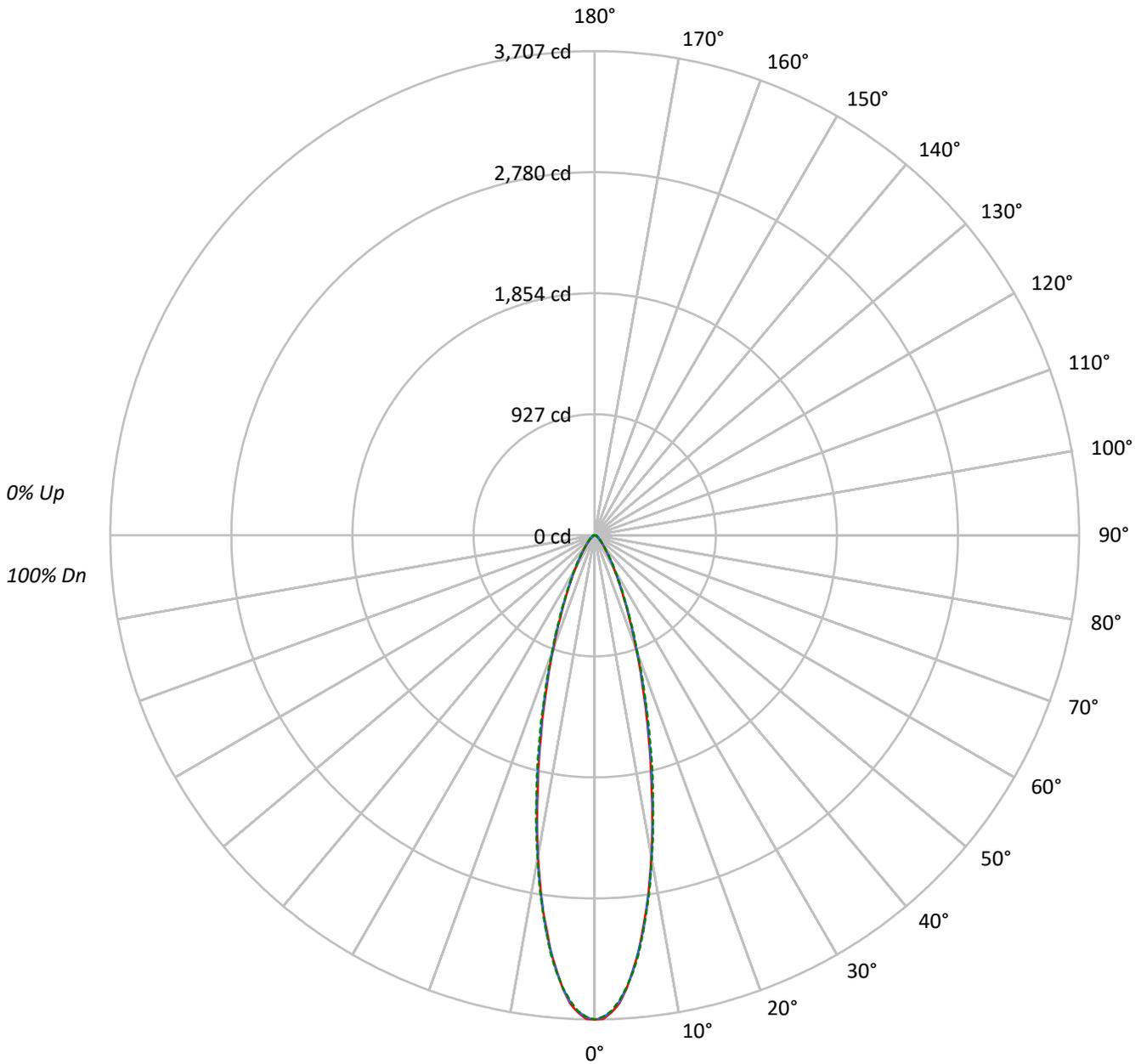
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1226.0 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
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 (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: P1315882
CATALOG NUMBER: LDSQA3D20R159735D010 3LSQPHRL1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1315882

CATALOG NUMBER: LDSQA3D20R159735D010 3LSQPHRL1MW

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 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 2 | 109 | 104 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 97 | 94 | 97 | 94 | 92 | 94 | 92 | 90 | 90 | 90 | 90 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 87 | 85 | 85 | 85 | 85 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 78 | 83 | 79 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 80 | 75 | 71 | 79 | 74 | 71 | 77 | 74 | 71 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 74 | 70 | 67 | 67 | 67 | 67 | 66 |
| 9 | 82 | 74 | 69 | 65 | 81 | 73 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 65 | 65 | 65 | 64 |
| 10 | 79 | 71 | 66 | 63 | 78 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 65 | 62 | 69 | 65 | 62 | 62 | 62 | 62 | 61 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 638481 | 638481 | 638481 |
| 5° | 578337 | 579426 | 580239 |
| 10° | 436639 | 437723 | 439927 |
| 15° | 283209 | 286293 | 291909 |
| 20° | 170520 | 172536 | 174845 |
| 25° | 99612 | 101702 | 103203 |
| 30° | 58546 | 60415 | 61370 |
| 35° | 36078 | 37403 | 38054 |
| 40° | 23719 | 24416 | 24775 |
| 45° | 16489 | 16879 | 17244 |
| 50° | 12244 | 12646 | 13075 |
| 55° | 9939 | 10389 | 10389 |
| 60° | 8680 | 8680 | 8680 |
| 65° | 7702 | 7702 | 7702 |
| 70° | 6345 | 7150 | 7150 |
| 75° | 6255 | 6255 | 6255 |
| 80° | 4661 | 6248 | 6248 |
| 85° | 3162 | 3162 | 3162 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 17244 cd/sqm



TEST NUMBER: P1315882

CATALOG NUMBER: LDSQA3D20R159735D010 3LSQPHRL1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 292.0 | 23.8 |
| 10°-20° | 446.5 | 36.4 |
| 20°-30° | 253.8 | 20.7 |
| 30°-40° | 115.8 | 9.4 |
| 40°-50° | 55.5 | 4.5 |
| 50°-60° | 31.1 | 2.5 |
| 60°-70° | 19.0 | 1.5 |
| 70°-80° | 10.1 | 0.8 |
| 80°-90° | 2.2 | 0.2 |
| 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° | 992.3 | 80.9 |
| 0°-40° | 1108.1 | 90.4 |
| 0°-60° | 1194.7 | 97.5 |
| 0°-90° | 1226.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1226.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3707 | 3707 | 3707 | 3707 | 3707 | |
| 5° | 3345 | 3344 | 3352 | 3352 | 3356 | 292 |
| 15° | 1588 | 1596 | 1606 | 1628 | 1637 | 441 |
| 25° | 524 | 524 | 535 | 540 | 543 | 249 |
| 35° | 172 | 175 | 178 | 181 | 181 | 113 |
| 45° | 68 | 68 | 69 | 71 | 71 | 54 |
| 55° | 33 | 33 | 35 | 35 | 35 | 30 |
| 65° | 19 | 19 | 19 | 19 | 19 | 19 |
| 75° | 9 | 9 | 9 | 9 | 9 | 10 |
| 85° | 2 | 2 | 2 | 2 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315882

CATALOG NUMBER: LDSQA3D20R159735D010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3707.3 | 3707.3 | 3707.3 | 3707.3 | 3707.3 |
| 1° | 3704.2 | 3694.7 | 3691.6 | 3690.0 | 3686.9 |
| 2° | 3657.0 | 3649.1 | 3647.5 | 3647.5 | 3645.9 |
| 3° | 3590.8 | 3576.7 | 3578.3 | 3573.5 | 3568.8 |
| 4° | 3479.1 | 3472.8 | 3475.9 | 3479.1 | 3472.8 |
| 5° | 3345.3 | 3343.7 | 3351.6 | 3351.6 | 3356.3 |
| 6° | 3206.7 | 3205.2 | 3200.4 | 3213.0 | 3219.3 |
| 7° | 3030.4 | 3039.9 | 3052.5 | 3046.2 | 3050.9 |
| 8° | 2869.8 | 2858.8 | 2863.5 | 2879.3 | 2880.9 |
| 9° | 2680.9 | 2673.1 | 2693.5 | 2699.8 | 2701.4 |
| 10° | 2496.8 | 2504.6 | 2503.0 | 2525.1 | 2515.6 |
| 12.5° | 2016.6 | 2029.2 | 2043.4 | 2052.8 | 2062.3 |
| 15° | 1588.4 | 1596.3 | 1605.7 | 1627.8 | 1637.2 |
| 17.5° | 1221.6 | 1231.1 | 1240.5 | 1259.4 | 1262.5 |
| 20° | 930.4 | 935.1 | 941.4 | 958.7 | 954.0 |
| 22.5° | 695.8 | 703.7 | 710.0 | 717.9 | 722.6 |
| 25° | 524.2 | 524.2 | 535.2 | 540.0 | 543.1 |
| 27.5° | 390.4 | 393.6 | 401.4 | 407.7 | 406.2 |
| 30° | 294.4 | 299.1 | 303.8 | 307.0 | 308.6 |
| 32.5° | 226.7 | 226.7 | 231.4 | 236.1 | 237.7 |
| 35° | 171.6 | 174.7 | 177.9 | 181.0 | 181.0 |
| 37.5° | 133.8 | 135.4 | 138.5 | 140.1 | 140.1 |
| 40° | 105.5 | 105.5 | 108.6 | 110.2 | 110.2 |
| 42.5° | 83.4 | 85.0 | 86.6 | 88.2 | 88.2 |
| 45° | 67.7 | 67.7 | 69.3 | 70.8 | 70.8 |
| 47.5° | 55.1 | 55.1 | 56.7 | 58.2 | 58.2 |
| 50° | 45.7 | 47.2 | 47.2 | 48.8 | 48.8 |
| 52.5° | 39.4 | 39.4 | 39.4 | 40.9 | 40.9 |
| 55° | 33.1 | 33.1 | 34.6 | 34.6 | 34.6 |
| 57.5° | 28.3 | 28.3 | 28.3 | 29.9 | 29.9 |
| 60° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 62.5° | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 65° | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 |
| 67.5° | 15.7 | 15.7 | 15.7 | 17.3 | 17.3 |
| 70° | 12.6 | 14.2 | 14.2 | 14.2 | 14.2 |
| 72.5° | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| 75° | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| 77.5° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 80° | 4.7 | 6.3 | 6.3 | 6.3 | 6.3 |
| 82.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 85° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)