

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: P1320373

Luminaire Tested: LDSQA3D20R209840D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209840D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

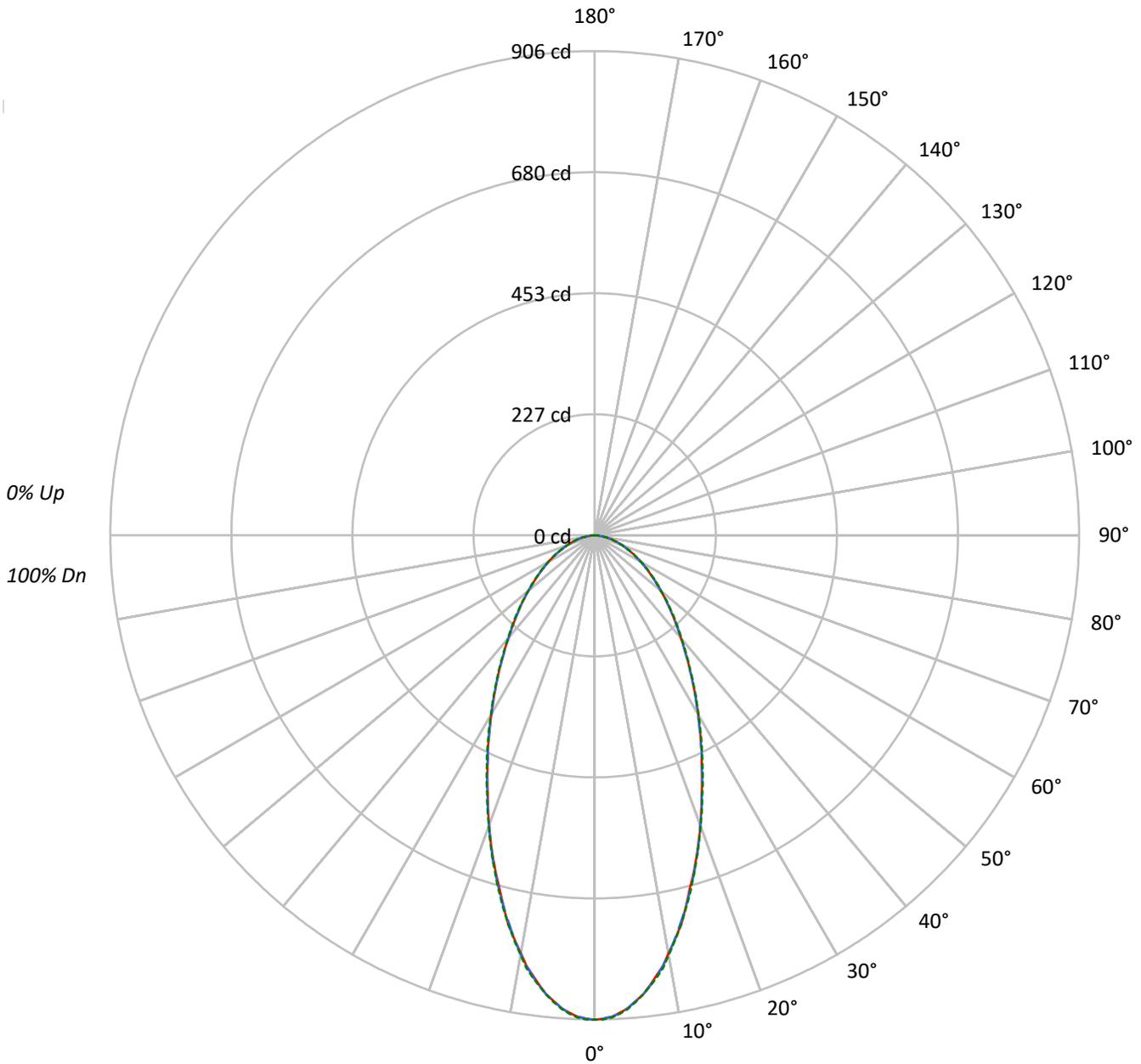
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1083.9 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



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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 | 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 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 90 | 90 | 88 |
| 2 | 103 | 96 | 91 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 79 | 79 | 79 | 77 |
| 3 | 96 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 72 | 77 | 74 | 70 | 70 | 70 | 70 | 68 |
| 4 | 89 | 79 | 71 | 66 | 87 | 78 | 71 | 65 | 75 | 69 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 58 | 69 | 63 | 58 | 67 | 62 | 57 | 65 | 61 | 57 | 57 | 57 | 57 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 52 | 52 | 52 | 50 |
| 7 | 73 | 61 | 54 | 48 | 71 | 60 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 56 | 51 | 47 | 47 | 47 | 47 | 46 |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 43 | 43 | 43 | 42 |
| 9 | 65 | 53 | 46 | 41 | 63 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 49 | 44 | 40 | 40 | 40 | 40 | 39 |
| 10 | 61 | 50 | 43 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 46 | 41 | 37 | 37 | 37 | 37 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 156085 | 156085 | 156085 |
| 5° | 151357 | 151357 | 151633 |
| 10° | 138959 | 139239 | 139519 |
| 15° | 122348 | 122919 | 123204 |
| 20° | 105878 | 105878 | 106190 |
| 25° | 90111 | 90111 | 90719 |
| 30° | 76921 | 76603 | 77239 |
| 35° | 65660 | 65660 | 66017 |
| 40° | 56385 | 56385 | 56767 |
| 45° | 49272 | 49272 | 49662 |
| 50° | 43351 | 43351 | 43351 |
| 55° | 38373 | 38373 | 38884 |
| 60° | 34548 | 34548 | 34548 |
| 65° | 31012 | 31012 | 31012 |
| 70° | 27695 | 27695 | 27695 |
| 75° | 24754 | 23689 | 24754 |
| 80° | 20828 | 20828 | 20828 |
| 85° | 12844 | 12844 | 16006 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 49662 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.0 | 7.5 |
| 10°-20° | 191.9 | 17.7 |
| 20°-30° | 218.5 | 20.2 |
| 30°-40° | 196.2 | 18.1 |
| 40°-50° | 157.2 | 14.5 |
| 50°-60° | 115.5 | 10.7 |
| 60°-70° | 75.5 | 7.0 |
| 70°-80° | 39.1 | 3.6 |
| 80°-90° | 9.1 | 0.8 |
| 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° | 491.4 | 45.3 |
| 0°-40° | 687.6 | 63.4 |
| 0°-60° | 960.3 | 88.6 |
| 0°-90° | 1083.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1083.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 906 | 906 | 906 | 906 | 906 | |
| 5° | 876 | 876 | 876 | 876 | 877 | 81 |
| 15° | 686 | 686 | 689 | 689 | 691 | 192 |
| 25° | 474 | 474 | 474 | 476 | 477 | 218 |
| 35° | 312 | 312 | 312 | 312 | 314 | 196 |
| 45° | 202 | 202 | 202 | 202 | 204 | 157 |
| 55° | 128 | 128 | 128 | 128 | 130 | 115 |
| 65° | 76 | 74 | 76 | 76 | 76 | 76 |
| 75° | 37 | 36 | 36 | 37 | 37 | 39 |
| 85° | 6 | 6 | 6 | 8 | 8 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1320373

CATALOG NUMBER: LDSQA3D20R209840D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 906.3 | 906.3 | 906.3 | 906.3 | 906.3 |
| 1° | 904.7 | 903.0 | 904.7 | 904.7 | 906.3 |
| 2° | 901.4 | 901.4 | 901.4 | 899.8 | 903.0 |
| 3° | 894.9 | 894.9 | 896.6 | 894.9 | 896.6 |
| 4° | 886.9 | 886.9 | 886.9 | 885.2 | 888.5 |
| 5° | 875.5 | 875.5 | 875.5 | 875.5 | 877.1 |
| 6° | 864.2 | 862.6 | 864.2 | 862.6 | 864.2 |
| 7° | 848.0 | 848.0 | 849.6 | 848.0 | 849.6 |
| 8° | 831.8 | 830.2 | 833.4 | 831.8 | 835.1 |
| 9° | 815.6 | 814.0 | 815.6 | 814.0 | 818.9 |
| 10° | 794.6 | 796.2 | 796.2 | 796.2 | 797.8 |
| 12.5° | 746.1 | 742.8 | 742.8 | 742.8 | 746.1 |
| 15° | 686.2 | 686.2 | 689.4 | 689.4 | 691.0 |
| 17.5° | 632.8 | 631.2 | 634.4 | 634.4 | 634.4 |
| 20° | 577.7 | 576.1 | 577.7 | 577.7 | 579.4 |
| 22.5° | 522.7 | 524.3 | 524.3 | 524.3 | 526.0 |
| 25° | 474.2 | 474.2 | 474.2 | 475.8 | 477.4 |
| 27.5° | 428.9 | 427.2 | 428.9 | 430.5 | 432.1 |
| 30° | 386.8 | 385.2 | 385.2 | 386.8 | 388.4 |
| 32.5° | 347.9 | 346.3 | 347.9 | 347.9 | 349.6 |
| 35° | 312.3 | 312.3 | 312.3 | 312.3 | 314.0 |
| 37.5° | 280.0 | 280.0 | 280.0 | 281.6 | 281.6 |
| 40° | 250.8 | 250.8 | 250.8 | 252.5 | 252.5 |
| 42.5° | 225.0 | 225.0 | 225.0 | 226.6 | 228.2 |
| 45° | 202.3 | 202.3 | 202.3 | 202.3 | 203.9 |
| 47.5° | 181.3 | 181.3 | 181.3 | 182.9 | 182.9 |
| 50° | 161.8 | 160.2 | 161.8 | 163.5 | 161.8 |
| 52.5° | 144.0 | 144.0 | 144.0 | 144.0 | 145.7 |
| 55° | 127.8 | 127.8 | 127.8 | 127.8 | 129.5 |
| 57.5° | 113.3 | 113.3 | 113.3 | 114.9 | 114.9 |
| 60° | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 |
| 62.5° | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 65° | 76.1 | 74.4 | 76.1 | 76.1 | 76.1 |
| 67.5° | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| 70° | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| 72.5° | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| 75° | 37.2 | 35.6 | 35.6 | 37.2 | 37.2 |
| 77.5° | 29.1 | 27.5 | 29.1 | 29.1 | 29.1 |
| 80° | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 82.5° | 12.9 | 12.9 | 12.9 | 14.6 | 14.6 |
| 85° | 6.5 | 6.5 | 6.5 | 8.1 | 8.1 |
| 87.5° | 1.6 | 1.6 | 1.6 | 3.2 | 3.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)