

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: P1308944

Luminaire Tested: LDSQA3D05R359030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

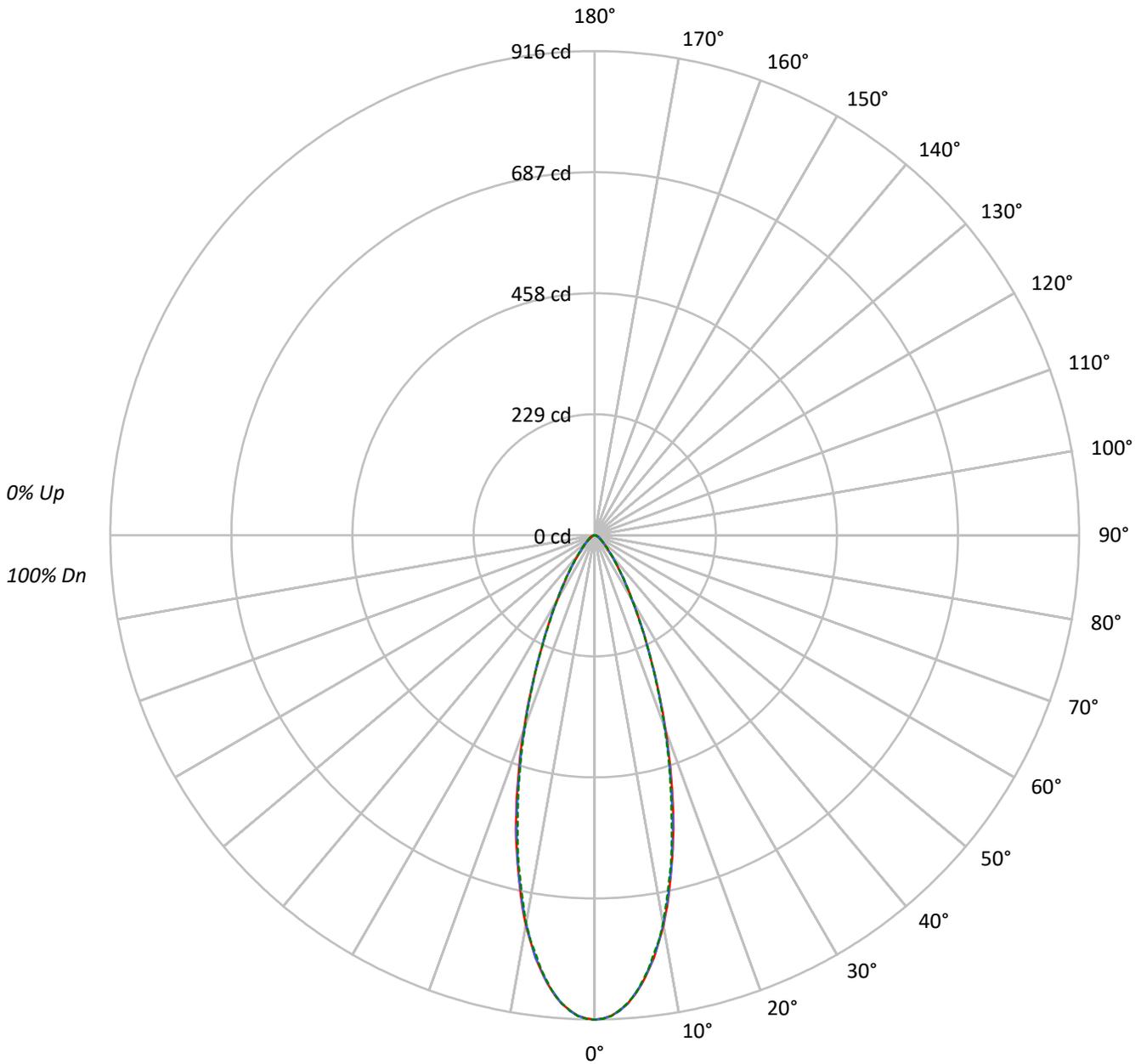
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 452.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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 | | | | 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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 89 | 89 | 89 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 83 | 83 | 83 | 83 | 82 |
| 4 | 98 | 91 | 86 | 82 | 97 | 90 | 85 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 78 | 78 | 78 | 77 |
| 5 | 94 | 86 | 80 | 76 | 92 | 85 | 80 | 76 | 83 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 73 |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 71 | 79 | 74 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 7 | 86 | 77 | 72 | 68 | 85 | 77 | 71 | 67 | 75 | 71 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 8 | 82 | 73 | 68 | 64 | 81 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 9 | 79 | 70 | 65 | 61 | 78 | 70 | 64 | 61 | 69 | 64 | 61 | 68 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 61 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 64 | 60 | 57 | 57 | 57 | 57 | 56 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 157842 | 157842 | 157842 |
| 5° | 150821 | 150562 | 150821 |
| 10° | 130932 | 130495 | 130320 |
| 15° | 102610 | 101790 | 100186 |
| 20° | 71771 | 71129 | 70671 |
| 25° | 45587 | 45872 | 45587 |
| 30° | 28080 | 28279 | 28080 |
| 35° | 17366 | 17471 | 17471 |
| 40° | 11039 | 11151 | 11151 |
| 45° | 7453 | 7575 | 7696 |
| 50° | 5359 | 5493 | 5493 |
| 55° | 4204 | 4204 | 4204 |
| 60° | 3444 | 3444 | 3444 |
| 65° | 3056 | 3056 | 3056 |
| 70° | 2769 | 2769 | 2769 |
| 75° | 2329 | 2329 | 2329 |
| 80° | 1984 | 1984 | 1984 |
| 85° | 988 | 988 | 1976 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 7696 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.2 | 17.5 |
| 10°-20° | 155.9 | 34.5 |
| 20°-30° | 112.5 | 24.9 |
| 30°-40° | 54.2 | 12.0 |
| 40°-50° | 25.0 | 5.5 |
| 50°-60° | 12.9 | 2.9 |
| 60°-70° | 7.5 | 1.7 |
| 70°-80° | 3.8 | 0.8 |
| 80°-90° | 0.9 | 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° | 347.7 | 76.9 |
| 0°-40° | 401.9 | 88.9 |
| 0°-60° | 439.8 | 97.3 |
| 0°-90° | 452.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 452.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 916 | 916 | 916 | 916 | 916 | |
| 5° | 872 | 874 | 871 | 871 | 872 | 79 |
| 15° | 576 | 574 | 571 | 568 | 562 | 157 |
| 25° | 240 | 240 | 241 | 241 | 240 | 113 |
| 35° | 83 | 83 | 83 | 83 | 83 | 54 |
| 45° | 31 | 31 | 31 | 32 | 32 | 25 |
| 55° | 14 | 14 | 14 | 14 | 14 | 13 |
| 65° | 8 | 8 | 8 | 8 | 8 | 7 |
| 75° | 4 | 4 | 4 | 4 | 4 | 4 |
| 85° | 0 | 0 | 0 | 0 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1308944

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 |
| 1° | 914.0 | 915.5 | 915.0 | 915.5 | 915.0 |
| 2° | 909.5 | 910.5 | 909.5 | 910.0 | 910.0 |
| 3° | 900.0 | 901.0 | 901.0 | 900.5 | 900.0 |
| 4° | 888.5 | 891.0 | 888.5 | 889.0 | 887.5 |
| 5° | 872.4 | 874.4 | 870.9 | 871.4 | 872.4 |
| 6° | 852.9 | 853.4 | 852.4 | 851.9 | 850.9 |
| 7° | 830.4 | 832.4 | 828.9 | 829.4 | 828.4 |
| 8° | 806.3 | 805.8 | 805.8 | 803.8 | 800.8 |
| 9° | 777.3 | 779.3 | 776.3 | 775.3 | 775.8 |
| 10° | 748.7 | 748.7 | 746.2 | 743.7 | 745.2 |
| 11° | 716.2 | 715.2 | 713.7 | 710.2 | 709.2 |
| 12° | 680.6 | 682.6 | 678.1 | 676.6 | 673.1 |
| 13° | 644.1 | 647.1 | 645.1 | 639.6 | 640.1 |
| 14° | 610.0 | 608.0 | 606.5 | 605.5 | 602.0 |
| 15° | 575.5 | 574.5 | 570.9 | 568.4 | 561.9 |
| 17.5° | 480.8 | 481.8 | 475.3 | 474.3 | 471.8 |
| 20° | 391.6 | 388.6 | 388.1 | 388.6 | 385.6 |
| 22.5° | 309.0 | 312.0 | 308.5 | 309.0 | 307.0 |
| 25° | 239.9 | 240.4 | 241.4 | 241.4 | 239.9 |
| 27.5° | 186.3 | 186.3 | 185.3 | 186.3 | 184.8 |
| 30° | 141.2 | 141.2 | 142.2 | 143.2 | 141.2 |
| 32.5° | 109.2 | 109.2 | 109.2 | 109.7 | 110.2 |
| 35° | 82.6 | 82.6 | 83.1 | 83.1 | 83.1 |
| 37.5° | 63.6 | 64.1 | 64.6 | 64.6 | 64.6 |
| 40° | 49.1 | 49.6 | 49.6 | 50.1 | 49.6 |
| 42.5° | 39.1 | 39.1 | 39.1 | 39.6 | 39.6 |
| 45° | 30.6 | 31.1 | 31.1 | 31.6 | 31.6 |
| 47.5° | 25.0 | 25.0 | 25.0 | 25.5 | 25.5 |
| 50° | 20.0 | 20.5 | 20.5 | 20.5 | 20.5 |
| 52.5° | 16.5 | 16.5 | 17.0 | 17.0 | 17.0 |
| 55° | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 57.5° | 11.5 | 12.0 | 12.0 | 12.0 | 12.0 |
| 60° | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 62.5° | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 65° | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 67.5° | 6.0 | 6.5 | 6.5 | 6.5 | 6.5 |
| 70° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 72.5° | 4.0 | 4.5 | 4.5 | 4.5 | 4.5 |
| 75° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 77.5° | 3.0 | 2.5 | 2.5 | 2.5 | 3.0 |
| 80° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 82.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 |



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)