

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: P1315792

Luminaire Tested: LDSQA3D17R359735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

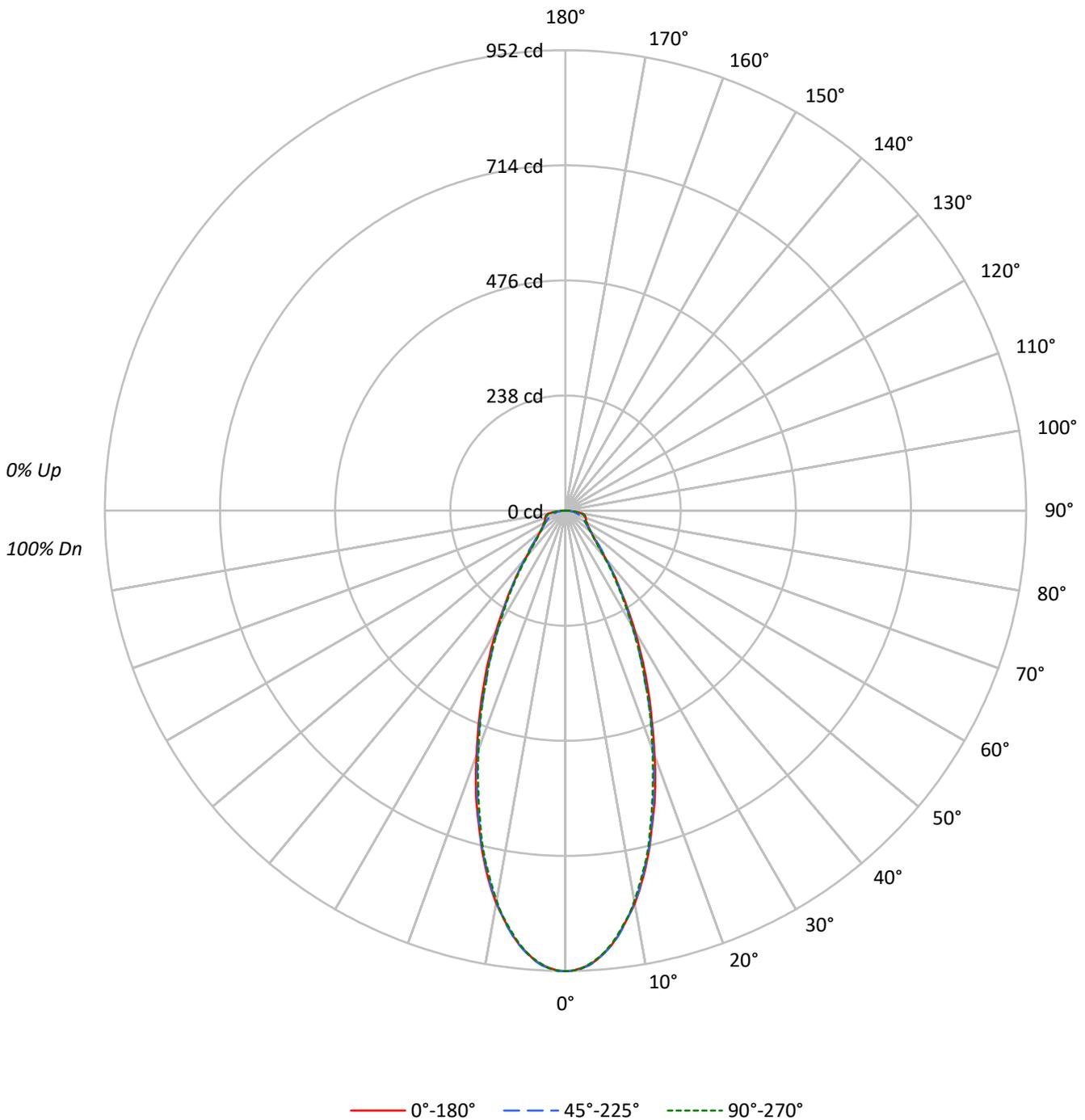
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 788.1 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1315792

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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 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 81 | 81 | 81 | 79 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 72 |
| 4 | 92 | 82 | 75 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 67 | 67 | 67 | 65 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 67 | 63 | 70 | 65 | 62 | 62 | 62 | 62 | 60 |
| 6 | 82 | 71 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 57 | 57 | 57 | 56 |
| 7 | 77 | 66 | 60 | 55 | 76 | 66 | 59 | 54 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 54 | 54 | 54 | 52 |
| 8 | 73 | 62 | 56 | 51 | 72 | 62 | 55 | 51 | 61 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 50 | 50 | 50 | 49 |
| 9 | 70 | 59 | 52 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 55 | 51 | 47 | 47 | 47 | 47 | 46 |
| 10 | 66 | 56 | 49 | 45 | 65 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 45 | 53 | 48 | 44 | 44 | 44 | 44 | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 164025 | 164025 | 164025 |
| 5° | 158635 | 158843 | 158635 |
| 10° | 144118 | 143908 | 143279 |
| 15° | 122330 | 121902 | 120833 |
| 20° | 98492 | 97173 | 96293 |
| 25° | 76125 | 73844 | 73844 |
| 30° | 56776 | 54867 | 54390 |
| 35° | 40851 | 40346 | 39337 |
| 40° | 28575 | 29384 | 27518 |
| 45° | 21336 | 22505 | 20751 |
| 50° | 18326 | 18326 | 18005 |
| 55° | 17295 | 16574 | 16935 |
| 60° | 17773 | 16120 | 16947 |
| 65° | 19072 | 16138 | 18583 |
| 70° | 22357 | 16919 | 21753 |
| 75° | 27948 | 17567 | 27149 |
| 80° | 35704 | 19042 | 32134 |
| 85° | 28455 | 18970 | 28455 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 35704 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.6 | 10.7 |
| 10°-20° | 188.8 | 24.0 |
| 20°-30° | 180.3 | 22.9 |
| 30°-40° | 121.1 | 15.4 |
| 40°-50° | 71.1 | 9.0 |
| 50°-60° | 50.9 | 6.5 |
| 60°-70° | 42.3 | 5.4 |
| 70°-80° | 34.7 | 4.4 |
| 80°-90° | 14.3 | 1.8 |
| 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° | 453.7 | 57.6 |
| 0°-40° | 574.7 | 72.9 |
| 0°-60° | 696.7 | 88.4 |
| 0°-90° | 788.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 788.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 952 | 952 | 952 | 952 | 952 | |
| 5° | 918 | 920 | 919 | 918 | 918 | 85 |
| 15° | 686 | 687 | 684 | 679 | 678 | 190 |
| 25° | 401 | 396 | 389 | 389 | 389 | 184 |
| 35° | 194 | 194 | 192 | 188 | 187 | 123 |
| 45° | 88 | 90 | 92 | 88 | 85 | 70 |
| 55° | 58 | 56 | 55 | 55 | 56 | 52 |
| 65° | 47 | 42 | 40 | 42 | 46 | 47 |
| 75° | 42 | 32 | 26 | 32 | 41 | 44 |
| 85° | 14 | 16 | 10 | 16 | 14 | 16 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315792

CATALOG NUMBER: LDSQA3D17R359735DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 952.4 | 952.4 | 952.4 | 952.4 | 952.4 |
| 1° | 951.2 | 952.4 | 952.4 | 951.2 | 951.2 |
| 2° | 946.4 | 948.8 | 947.6 | 946.4 | 947.6 |
| 3° | 940.4 | 942.8 | 941.6 | 940.4 | 939.2 |
| 4° | 930.8 | 933.2 | 932.0 | 929.6 | 929.6 |
| 5° | 917.6 | 920.0 | 918.8 | 917.6 | 917.6 |
| 6° | 904.4 | 906.8 | 904.4 | 902.0 | 902.0 |
| 7° | 886.4 | 890.0 | 887.6 | 885.2 | 884.0 |
| 8° | 866.1 | 869.6 | 867.3 | 866.1 | 863.7 |
| 9° | 845.7 | 848.1 | 844.5 | 844.5 | 844.5 |
| 10° | 824.1 | 825.3 | 822.9 | 819.3 | 819.3 |
| 11° | 800.1 | 798.9 | 797.7 | 795.3 | 792.9 |
| 12° | 773.7 | 773.7 | 770.1 | 767.7 | 766.5 |
| 13° | 746.1 | 744.9 | 742.5 | 740.1 | 740.1 |
| 14° | 717.3 | 717.3 | 714.9 | 710.1 | 711.3 |
| 15° | 686.1 | 687.3 | 683.7 | 678.9 | 677.7 |
| 17.5° | 615.4 | 613.0 | 607.0 | 603.4 | 599.8 |
| 20° | 537.4 | 536.2 | 530.2 | 526.6 | 525.4 |
| 22.5° | 465.4 | 464.2 | 458.2 | 454.6 | 457.0 |
| 25° | 400.6 | 395.8 | 388.6 | 388.6 | 388.6 |
| 27.5° | 340.7 | 334.7 | 329.9 | 327.5 | 329.9 |
| 30° | 285.5 | 280.7 | 275.9 | 274.7 | 273.5 |
| 32.5° | 236.3 | 233.9 | 231.5 | 227.9 | 227.9 |
| 35° | 194.3 | 194.3 | 191.9 | 188.3 | 187.1 |
| 37.5° | 158.3 | 159.5 | 158.3 | 154.7 | 153.5 |
| 40° | 127.1 | 129.5 | 130.7 | 127.1 | 122.4 |
| 42.5° | 104.4 | 108.0 | 110.4 | 104.4 | 100.8 |
| 45° | 87.6 | 90.0 | 92.4 | 87.6 | 85.2 |
| 47.5° | 76.8 | 78.0 | 79.2 | 75.6 | 74.4 |
| 50° | 68.4 | 68.4 | 68.4 | 67.2 | 67.2 |
| 52.5° | 62.4 | 62.4 | 61.2 | 60.0 | 60.0 |
| 55° | 57.6 | 56.4 | 55.2 | 55.2 | 56.4 |
| 57.5° | 54.0 | 52.8 | 50.4 | 51.6 | 52.8 |
| 60° | 51.6 | 49.2 | 46.8 | 48.0 | 49.2 |
| 62.5° | 48.0 | 45.6 | 43.2 | 44.4 | 46.8 |
| 65° | 46.8 | 42.0 | 39.6 | 42.0 | 45.6 |
| 67.5° | 45.6 | 39.6 | 36.0 | 39.6 | 44.4 |
| 70° | 44.4 | 37.2 | 33.6 | 37.2 | 43.2 |
| 72.5° | 43.2 | 34.8 | 30.0 | 34.8 | 42.0 |
| 75° | 42.0 | 32.4 | 26.4 | 32.4 | 40.8 |
| 77.5° | 39.6 | 30.0 | 22.8 | 30.0 | 37.2 |
| 80° | 36.0 | 27.6 | 19.2 | 26.4 | 32.4 |
| 82.5° | 26.4 | 22.8 | 15.6 | 22.8 | 24.0 |
| 85° | 14.4 | 15.6 | 9.6 | 15.6 | 14.4 |
| 87.5° | 1.2 | 2.4 | 2.4 | 7.2 | 4.8 |



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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)