

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: P1312108

Luminaire Tested: LDSQA3D02R359050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

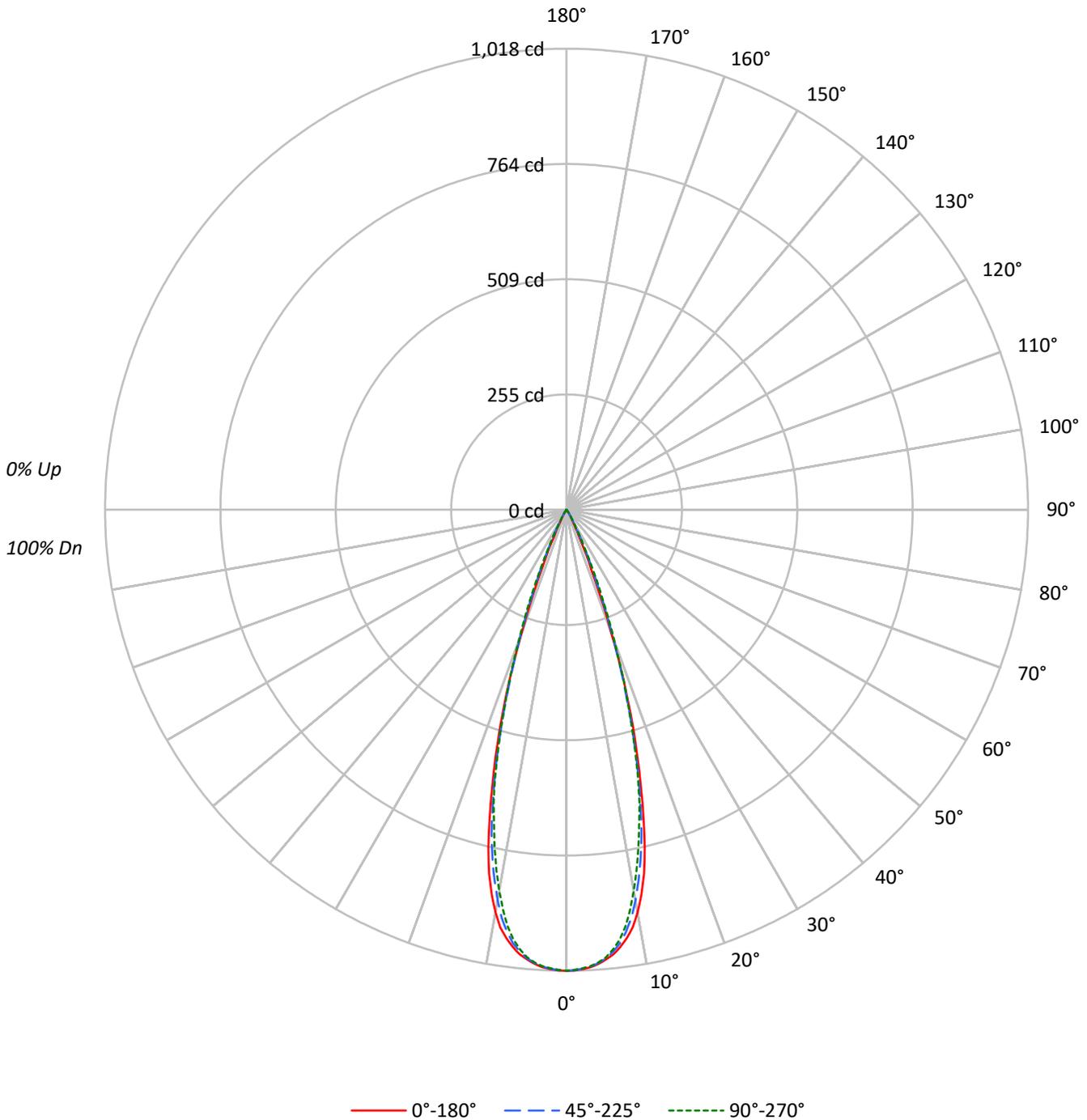
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 309.0 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1312108

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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 | 100 | 100 | 100 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 97 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 94 | 97 | 95 | 93 | 95 | 93 | 92 | 90 | 90 | 90 | 90 |
| 4 | 104 | 99 | 95 | 92 | 103 | 98 | 94 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 90 | 89 | 87 | 87 | 87 | 87 |
| 5 | 101 | 95 | 91 | 88 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | 85 | 85 | 85 |
| 6 | 98 | 92 | 88 | 85 | 97 | 91 | 88 | 85 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 82 | 82 | 82 |
| 7 | 96 | 89 | 85 | 82 | 94 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 | 80 | 80 | 80 |
| 8 | 93 | 86 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 79 | 83 | 80 | 78 | 77 | 77 | 77 | 77 |
| 9 | 90 | 84 | 80 | 77 | 89 | 83 | 79 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 75 | 75 | 75 | 75 |
| 10 | 88 | 81 | 77 | 75 | 87 | 81 | 77 | 74 | 80 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 73 | 73 | 73 | 73 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 175323 | 175323 | 175323 |
| 5° | 172327 | 171947 | 171584 |
| 10° | 157934 | 153177 | 149452 |
| 15° | 113094 | 109475 | 108156 |
| 20° | 52435 | 54250 | 56137 |
| 25° | 12447 | 17710 | 18452 |
| 30° | 3659 | 4176 | 4713 |
| 35° | 841 | 1346 | 1240 |
| 40° | 180 | 360 | 247 |
| 45° | 73 | 73 | 73 |
| 50° | 80 | 0 | 80 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 85 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.4 | 29.6 |
| 10°-20° | 163.4 | 52.9 |
| 20°-30° | 49.2 | 15.9 |
| 30°-40° | 4.7 | 1.5 |
| 40°-50° | 0.3 | 0.1 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 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° | 304.0 | 98.4 |
| 0°-40° | 308.7 | 99.9 |
| 0°-60° | 309.0 | 100.0 |
| 0°-90° | 309.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 309.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1018 | 1018 | 1018 | 1018 | 1018 | |
| 5° | 997 | 996 | 995 | 993 | 992 | 92 |
| 15° | 634 | 630 | 614 | 611 | 607 | 168 |
| 25° | 66 | 72 | 93 | 97 | 97 | 42 |
| 35° | 4 | 5 | 6 | 7 | 6 | 4 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1312108
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1018.0 | 1018.0 | 1018.0 | 1018.0 | 1018.0 |
| 1° | 1017.5 | 1017.5 | 1017.0 | 1017.0 | 1015.9 |
| 2° | 1015.1 | 1015.4 | 1014.3 | 1014.1 | 1013.3 |
| 3° | 1011.4 | 1010.6 | 1010.6 | 1010.1 | 1009.5 |
| 4° | 1005.5 | 1003.9 | 1003.4 | 1003.7 | 1002.6 |
| 5° | 996.8 | 996.5 | 994.6 | 993.3 | 992.5 |
| 6° | 987.2 | 985.3 | 981.3 | 977.9 | 977.1 |
| 7° | 972.8 | 968.8 | 965.3 | 958.2 | 957.1 |
| 8° | 955.2 | 948.8 | 941.4 | 931.3 | 930.7 |
| 9° | 933.7 | 923.3 | 912.9 | 899.3 | 894.6 |
| 10° | 903.1 | 893.5 | 875.9 | 863.9 | 854.6 |
| 11° | 865.0 | 853.0 | 832.5 | 818.2 | 810.4 |
| 12° | 821.9 | 810.7 | 786.8 | 773.7 | 762.8 |
| 13° | 766.5 | 757.2 | 734.9 | 720.5 | 712.0 |
| 14° | 702.4 | 695.5 | 674.2 | 667.8 | 664.9 |
| 15° | 634.3 | 629.5 | 614.0 | 611.4 | 606.6 |
| 17.5° | 466.8 | 458.9 | 450.1 | 451.7 | 453.3 |
| 20° | 286.1 | 297.3 | 296.0 | 301.8 | 306.3 |
| 22.5° | 142.7 | 157.0 | 173.8 | 183.9 | 189.0 |
| 25° | 65.5 | 72.1 | 93.2 | 97.1 | 97.1 |
| 27.5° | 33.0 | 34.6 | 43.9 | 44.7 | 46.8 |
| 30° | 18.4 | 19.7 | 21.0 | 23.4 | 23.7 |
| 32.5° | 9.3 | 10.9 | 11.4 | 12.8 | 12.2 |
| 35° | 4.0 | 5.3 | 6.4 | 6.9 | 5.9 |
| 37.5° | 1.9 | 2.4 | 3.5 | 3.2 | 2.4 |
| 40° | 0.8 | 1.1 | 1.6 | 1.3 | 1.1 |
| 42.5° | 0.5 | 0.5 | 0.8 | 0.5 | 0.5 |
| 45° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 47.5° | 0.3 | 0.3 | 0.0 | 0.3 | 0.3 |
| 50° | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 |
| 52.5° | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



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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)