

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: P1307827

Luminaire Tested: LDSQA3D05R359027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

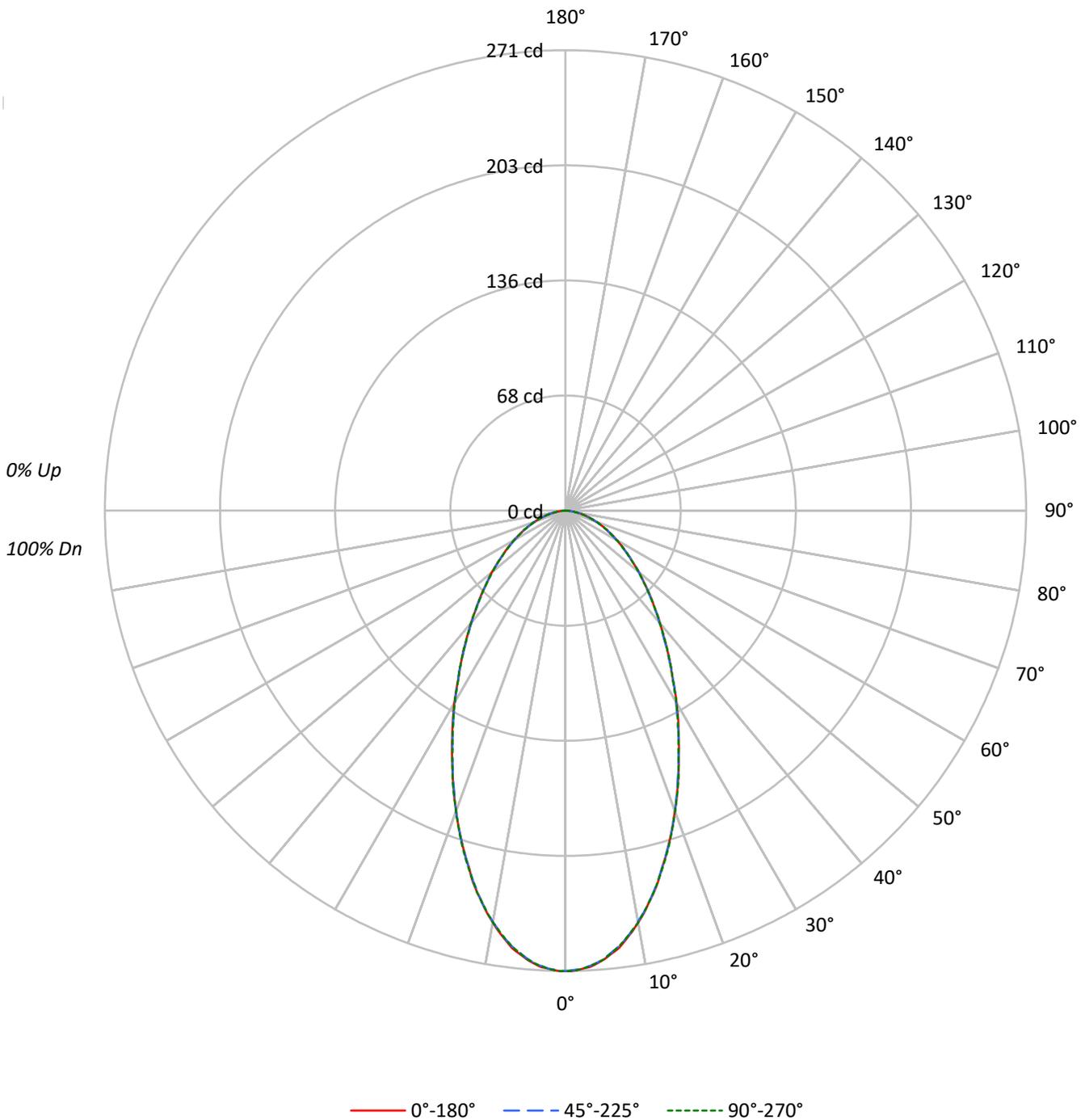
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 362.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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 (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: P1307827

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 77 |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 64 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 54 |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 44 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 46672 | 46672 | 46672 |
| 5° | 45796 | 45710 | 45796 |
| 10° | 43055 | 42968 | 43055 |
| 15° | 38976 | 38976 | 39065 |
| 20° | 34511 | 34511 | 34511 |
| 25° | 30005 | 29910 | 29910 |
| 30° | 26012 | 25833 | 25912 |
| 35° | 22391 | 22307 | 22391 |
| 40° | 19425 | 19335 | 19425 |
| 45° | 17074 | 16952 | 16952 |
| 50° | 15138 | 15031 | 15031 |
| 55° | 13332 | 13332 | 13332 |
| 60° | 12056 | 11918 | 12056 |
| 65° | 10840 | 10840 | 10840 |
| 70° | 9668 | 9668 | 9668 |
| 75° | 8717 | 8384 | 8717 |
| 80° | 7438 | 7438 | 7438 |
| 85° | 4545 | 4545 | 4545 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17074 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.6 | 6.8 |
| 10°-20° | 61.0 | 16.8 |
| 20°-30° | 72.5 | 20.0 |
| 30°-40° | 66.6 | 18.4 |
| 40°-50° | 54.1 | 14.9 |
| 50°-60° | 40.0 | 11.1 |
| 60°-70° | 26.4 | 7.3 |
| 70°-80° | 13.7 | 3.8 |
| 80°-90° | 3.1 | 0.9 |
| 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° | 158.1 | 43.7 |
| 0°-40° | 224.7 | 62.1 |
| 0°-60° | 318.8 | 88.1 |
| 0°-90° | 362.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 362.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 271 | 271 | 271 | 271 | 271 | |
| 5° | 265 | 264 | 264 | 264 | 265 | 25 |
| 15° | 219 | 219 | 219 | 219 | 219 | 61 |
| 25° | 158 | 157 | 157 | 158 | 157 | 73 |
| 35° | 106 | 106 | 106 | 106 | 106 | 67 |
| 45° | 70 | 70 | 70 | 70 | 70 | 54 |
| 55° | 44 | 44 | 44 | 44 | 44 | 40 |
| 65° | 27 | 27 | 27 | 27 | 27 | 26 |
| 75° | 13 | 13 | 13 | 13 | 13 | 14 |
| 85° | 2 | 2 | 2 | 2 | 2 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307827

CATALOG NUMBER: LDSQA3D05R359027DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 271.0 | 271.0 | 271.0 | 271.0 | 271.0 |
| 1° | 271.0 | 270.5 | 270.5 | 270.5 | 271.0 |
| 2° | 270.0 | 270.0 | 270.0 | 270.0 | 270.0 |
| 3° | 269.1 | 268.6 | 268.6 | 268.6 | 268.6 |
| 4° | 267.2 | 266.8 | 266.8 | 266.8 | 266.8 |
| 5° | 264.9 | 264.4 | 264.4 | 264.4 | 264.9 |
| 6° | 262.1 | 261.6 | 261.2 | 261.2 | 261.6 |
| 7° | 259.3 | 258.4 | 258.4 | 258.4 | 258.4 |
| 8° | 255.1 | 254.6 | 254.6 | 254.6 | 254.6 |
| 9° | 250.9 | 249.9 | 250.4 | 250.4 | 250.4 |
| 10° | 246.2 | 245.7 | 245.7 | 245.7 | 246.2 |
| 11° | 241.5 | 241.1 | 241.1 | 240.6 | 241.1 |
| 12° | 235.9 | 235.9 | 235.9 | 235.9 | 235.9 |
| 13° | 230.8 | 230.3 | 230.3 | 230.3 | 230.8 |
| 14° | 225.2 | 224.7 | 224.7 | 224.7 | 224.7 |
| 15° | 218.6 | 218.6 | 218.6 | 218.6 | 219.1 |
| 17.5° | 203.7 | 203.2 | 203.7 | 203.7 | 204.2 |
| 20° | 188.3 | 187.8 | 188.3 | 188.3 | 188.3 |
| 22.5° | 172.9 | 172.9 | 172.4 | 172.9 | 173.3 |
| 25° | 157.9 | 157.4 | 157.4 | 157.9 | 157.4 |
| 27.5° | 143.9 | 143.4 | 143.4 | 143.4 | 143.4 |
| 30° | 130.8 | 129.9 | 129.9 | 130.3 | 130.3 |
| 32.5° | 117.3 | 117.3 | 117.7 | 117.3 | 117.3 |
| 35° | 106.5 | 106.1 | 106.1 | 106.5 | 106.5 |
| 37.5° | 95.8 | 95.3 | 95.3 | 95.8 | 95.8 |
| 40° | 86.4 | 86.4 | 86.0 | 86.4 | 86.4 |
| 42.5° | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 45° | 70.1 | 69.6 | 69.6 | 69.6 | 69.6 |
| 47.5° | 62.6 | 62.6 | 62.6 | 62.1 | 62.6 |
| 50° | 56.5 | 56.1 | 56.1 | 56.1 | 56.1 |
| 52.5° | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 55° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 57.5° | 39.7 | 39.2 | 39.2 | 39.2 | 39.2 |
| 60° | 35.0 | 35.0 | 34.6 | 35.0 | 35.0 |
| 62.5° | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| 65° | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 67.5° | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 |
| 70° | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |
| 72.5° | 16.4 | 15.9 | 15.9 | 15.9 | 15.9 |
| 75° | 13.1 | 13.1 | 12.6 | 13.1 | 13.1 |
| 77.5° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 80° | 7.5 | 7.5 | 7.5 | 7.0 | 7.5 |
| 82.5° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 85° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 87.5° | 0.5 | 0.5 | 0.5 | 0.9 | 0.9 |



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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)