

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: P1317988

Luminaire Tested: LDSQA3D02R609830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

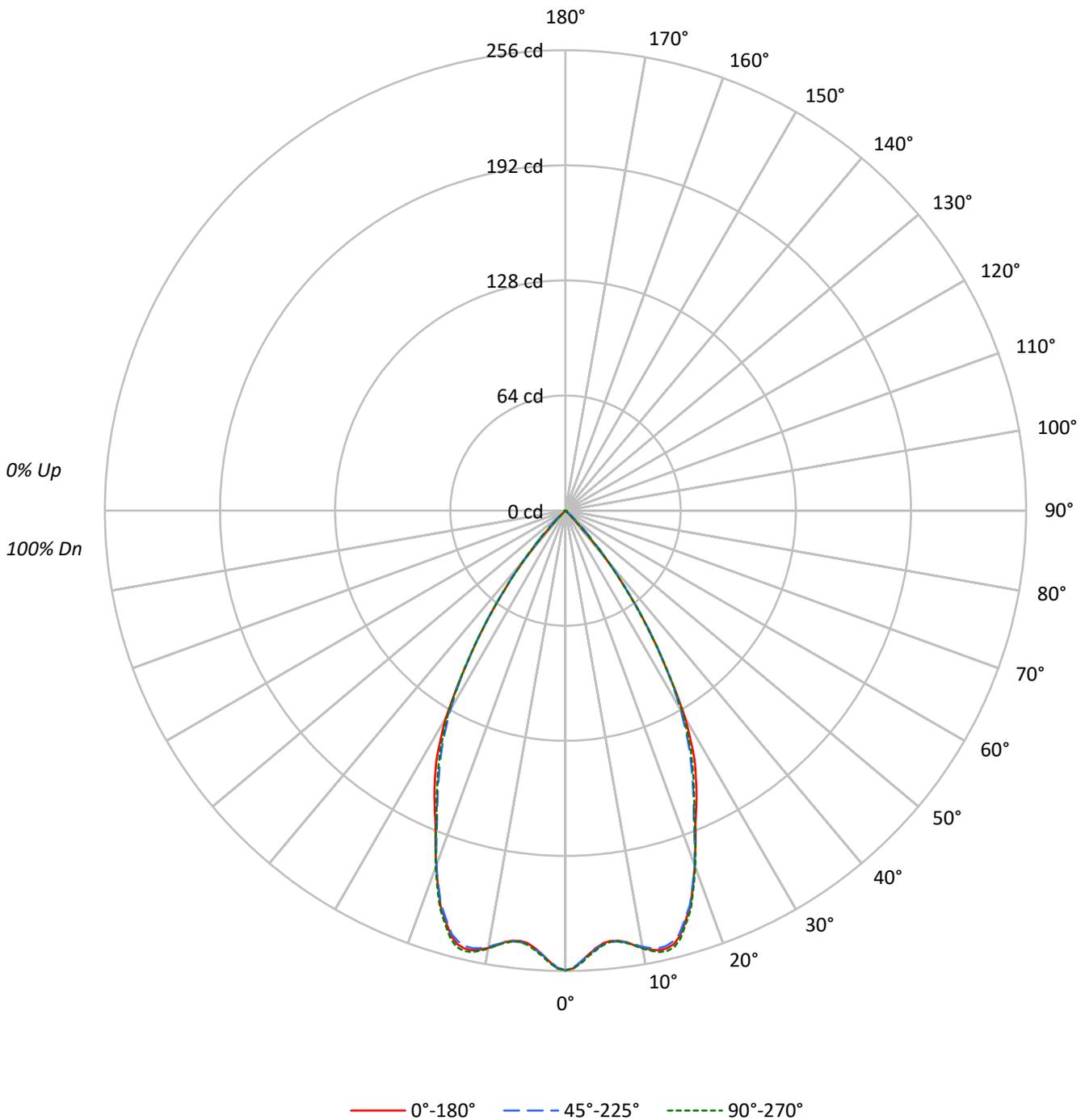
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 228.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
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: P1317988

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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 | 100 | 100 | 100 | 100 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 96 | 95 | 94 | 94 | 94 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 87 | 87 | 87 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 84 | 88 | 85 | 83 | 82 | 82 | 82 | 82 |
| 4 | 98 | 90 | 85 | 81 | 96 | 89 | 84 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 78 | 76 | 76 | 76 | 76 |
| 5 | 93 | 85 | 79 | 75 | 91 | 84 | 79 | 75 | 82 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 71 | 71 | 71 | 71 |
| 6 | 88 | 80 | 74 | 70 | 87 | 79 | 73 | 69 | 77 | 73 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 67 | 67 | 67 | 67 |
| 7 | 84 | 75 | 69 | 65 | 83 | 74 | 69 | 65 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 64 | 62 | 62 | 62 | 62 |
| 8 | 80 | 71 | 65 | 61 | 79 | 70 | 65 | 61 | 69 | 64 | 60 | 68 | 64 | 60 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |
| 9 | 76 | 67 | 61 | 57 | 75 | 66 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 64 | 59 | 56 | 55 | 55 | 55 | 55 |
| 10 | 73 | 63 | 58 | 54 | 72 | 63 | 57 | 54 | 62 | 57 | 54 | 61 | 57 | 53 | 61 | 56 | 53 | 52 | 52 | 52 | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 44020 | 44020 | 44020 |
| 5° | 41733 | 41854 | 41906 |
| 10° | 43178 | 43055 | 43265 |
| 15° | 43701 | 43505 | 43950 |
| 20° | 38488 | 38451 | 38634 |
| 25° | 32742 | 31791 | 32057 |
| 30° | 26429 | 25514 | 25932 |
| 35° | 16736 | 16883 | 16693 |
| 40° | 7824 | 8139 | 7936 |
| 45° | 487 | 2874 | 560 |
| 50° | 241 | 670 | 241 |
| 55° | 270 | 270 | 270 |
| 60° | 241 | 241 | 241 |
| 65° | 204 | 285 | 204 |
| 70° | 252 | 252 | 252 |
| 75° | 266 | 266 | 266 |
| 80° | 198 | 198 | 198 |
| 85° | 395 | 395 | 395 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2874 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 23.3 | 10.2 |
| 10°-20° | 67.1 | 29.4 |
| 20°-30° | 77.4 | 33.9 |
| 30°-40° | 49.7 | 21.8 |
| 40°-50° | 8.6 | 3.8 |
| 50°-60° | 0.8 | 0.4 |
| 60°-70° | 0.6 | 0.3 |
| 70°-80° | 0.4 | 0.2 |
| 80°-90° | 0.1 | 0.1 |
| 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° | 167.7 | 73.6 |
| 0°-40° | 217.4 | 95.3 |
| 0°-60° | 226.9 | 99.5 |
| 0°-90° | 228.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 228.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 256 | 256 | 256 | 256 | 256 | |
| 5° | 241 | 242 | 242 | 243 | 242 | 23 |
| 15° | 245 | 244 | 244 | 246 | 246 | 67 |
| 25° | 172 | 170 | 167 | 168 | 169 | 79 |
| 35° | 80 | 79 | 80 | 79 | 79 | 50 |
| 45° | 2 | 6 | 12 | 7 | 2 | 7 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 1 | 1 | 1 | 0 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1317988

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 255.6 | 255.6 | 255.6 | 255.6 | 255.6 |
| 1° | 254.6 | 254.4 | 254.2 | 254.4 | 254.6 |
| 2° | 251.0 | 250.8 | 250.6 | 251.3 | 251.7 |
| 3° | 247.1 | 247.2 | 247.4 | 247.8 | 248.0 |
| 4° | 243.8 | 244.2 | 244.4 | 244.7 | 244.9 |
| 5° | 241.4 | 241.9 | 242.1 | 242.6 | 242.4 |
| 6° | 240.6 | 241.0 | 241.2 | 241.4 | 241.0 |
| 7° | 241.0 | 241.2 | 241.4 | 241.7 | 241.4 |
| 8° | 242.2 | 242.4 | 242.6 | 242.8 | 242.8 |
| 9° | 244.7 | 244.4 | 244.2 | 244.9 | 244.7 |
| 10° | 246.9 | 246.3 | 246.2 | 247.2 | 247.4 |
| 11° | 248.7 | 248.0 | 247.8 | 249.0 | 249.4 |
| 12° | 249.9 | 248.8 | 248.7 | 250.3 | 251.0 |
| 13° | 249.9 | 248.5 | 248.5 | 250.3 | 251.3 |
| 14° | 248.5 | 246.9 | 246.9 | 248.8 | 250.1 |
| 15° | 245.1 | 244.2 | 244.0 | 245.6 | 246.5 |
| 17.5° | 230.8 | 229.8 | 229.9 | 231.7 | 231.9 |
| 20° | 210.0 | 209.4 | 209.8 | 210.1 | 210.8 |
| 22.5° | 188.7 | 188.4 | 186.4 | 186.9 | 187.3 |
| 25° | 172.3 | 170.4 | 167.3 | 167.5 | 168.7 |
| 27.5° | 155.0 | 153.1 | 148.8 | 149.7 | 150.9 |
| 30° | 132.9 | 131.3 | 128.3 | 128.8 | 130.4 |
| 32.5° | 104.4 | 107.6 | 104.7 | 105.6 | 105.1 |
| 35° | 79.6 | 79.0 | 80.3 | 78.7 | 79.4 |
| 37.5° | 56.0 | 56.2 | 56.7 | 55.3 | 55.3 |
| 40° | 34.8 | 35.7 | 36.2 | 35.5 | 35.3 |
| 42.5° | 14.6 | 20.0 | 21.0 | 20.0 | 14.8 |
| 45° | 2.0 | 5.9 | 11.8 | 7.0 | 2.3 |
| 47.5° | 0.9 | 1.2 | 6.2 | 1.2 | 0.9 |
| 50° | 0.9 | 0.9 | 2.5 | 0.9 | 0.9 |
| 52.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 55° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 57.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 60° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 62.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 65° | 0.5 | 0.7 | 0.7 | 0.7 | 0.5 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 75° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 77.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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)