

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: P1312156

Luminaire Tested: LDSQA3D02R609050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609050DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

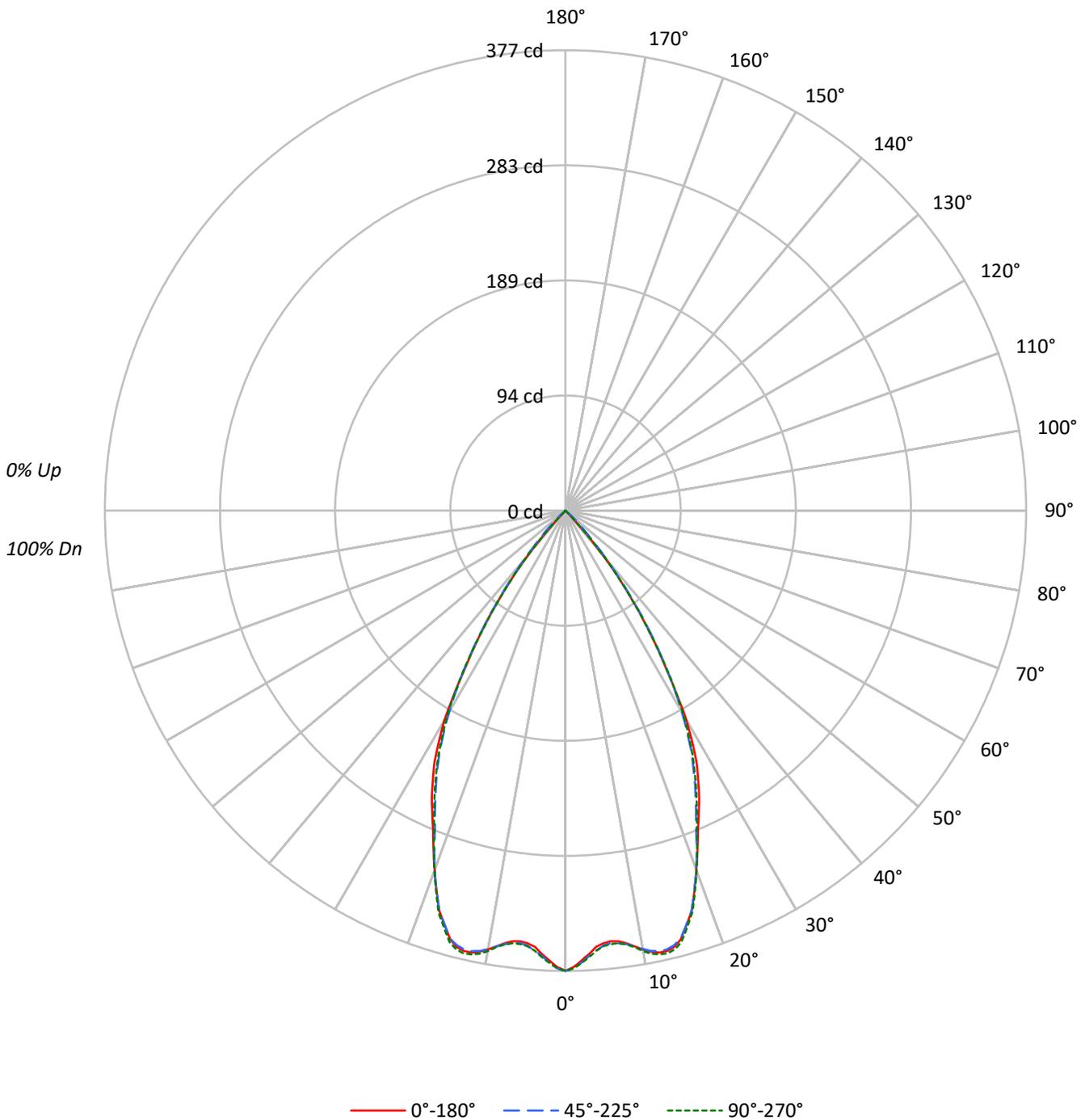
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 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 (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





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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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | 88 | 88 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | 82 | 82 | 82 |
| 4 | 98 | 91 | 86 | 81 | 96 | 90 | 85 | 81 | 88 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 | 77 | 77 | 77 |
| 5 | 93 | 85 | 80 | 76 | 92 | 84 | 79 | 75 | 83 | 78 | 75 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 70 | 77 | 72 | 69 | 75 | 72 | 69 | 67 | 67 | 67 | 67 |
| 7 | 85 | 76 | 70 | 66 | 83 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 | 63 | 63 | 63 |
| 8 | 81 | 71 | 66 | 62 | 79 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 59 | 59 | 59 | 59 |
| 9 | 77 | 67 | 62 | 58 | 76 | 67 | 61 | 58 | 66 | 61 | 57 | 65 | 61 | 57 | 64 | 60 | 57 | 56 | 56 | 56 | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 53 | 53 | 53 | 53 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 64911 | 64911 | 64911 |
| 5° | 61476 | 61805 | 61891 |
| 10° | 63814 | 63726 | 64093 |
| 15° | 64865 | 64776 | 65257 |
| 20° | 57402 | 57402 | 57512 |
| 25° | 49198 | 47735 | 48134 |
| 30° | 39355 | 37924 | 38500 |
| 35° | 24409 | 24914 | 24367 |
| 40° | 10724 | 11803 | 11016 |
| 45° | 122 | 3824 | 317 |
| 50° | 0 | 429 | 0 |
| 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: 45°
 Vertical Angle: 45°
 Luminance: 3824 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.4 | 10.3 |
| 10°-20° | 99.8 | 29.9 |
| 20°-30° | 115.8 | 34.7 |
| 30°-40° | 72.9 | 21.8 |
| 40°-50° | 11.0 | 3.3 |
| 50°-60° | 0.1 | 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° | 250.0 | 74.9 |
| 0°-40° | 323.0 | 96.7 |
| 0°-60° | 334.0 | 100.0 |
| 0°-90° | 334.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 334.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 377 | 377 | 377 | 377 | 377 | |
| 5° | 356 | 357 | 358 | 358 | 358 | 34 |
| 15° | 364 | 362 | 363 | 366 | 366 | 100 |
| 25° | 259 | 256 | 251 | 252 | 253 | 118 |
| 35° | 116 | 116 | 118 | 116 | 116 | 72 |
| 45° | 0 | 5 | 16 | 7 | 1 | 7 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 |
| 1° | 374.0 | 375.0 | 375.0 | 375.3 | 375.0 |
| 2° | 368.9 | 370.5 | 370.5 | 371.3 | 370.8 |
| 3° | 363.8 | 365.2 | 365.4 | 366.5 | 366.2 |
| 4° | 358.2 | 360.4 | 361.2 | 361.7 | 361.4 |
| 5° | 355.6 | 356.9 | 357.5 | 358.2 | 358.0 |
| 6° | 354.5 | 355.6 | 356.1 | 356.9 | 356.9 |
| 7° | 355.3 | 356.1 | 356.9 | 357.5 | 356.9 |
| 8° | 357.7 | 358.5 | 358.5 | 359.6 | 358.8 |
| 9° | 361.2 | 361.4 | 361.4 | 362.8 | 362.0 |
| 10° | 364.9 | 364.4 | 364.4 | 366.2 | 366.5 |
| 11° | 368.1 | 367.6 | 367.3 | 369.2 | 369.7 |
| 12° | 370.0 | 368.9 | 368.9 | 371.3 | 371.6 |
| 13° | 370.2 | 368.9 | 368.9 | 371.3 | 372.1 |
| 14° | 368.1 | 366.5 | 366.8 | 369.4 | 370.2 |
| 15° | 363.8 | 362.5 | 363.3 | 365.7 | 366.0 |
| 17.5° | 343.6 | 342.8 | 343.3 | 344.9 | 345.2 |
| 20° | 313.2 | 312.7 | 313.2 | 313.2 | 313.8 |
| 22.5° | 283.1 | 281.8 | 279.1 | 280.7 | 281.0 |
| 25° | 258.9 | 256.0 | 251.2 | 252.2 | 253.3 |
| 27.5° | 232.3 | 228.5 | 223.5 | 224.8 | 225.1 |
| 30° | 197.9 | 196.0 | 190.7 | 192.0 | 193.6 |
| 32.5° | 152.9 | 157.9 | 154.8 | 154.5 | 154.8 |
| 35° | 116.1 | 116.4 | 118.5 | 116.1 | 115.9 |
| 37.5° | 81.2 | 81.5 | 83.1 | 80.4 | 80.7 |
| 40° | 47.7 | 51.1 | 52.5 | 51.4 | 49.0 |
| 42.5° | 14.9 | 26.4 | 29.8 | 25.8 | 16.5 |
| 45° | 0.5 | 5.1 | 15.7 | 6.7 | 1.3 |
| 47.5° | 0.0 | 0.3 | 7.5 | 0.5 | 0.0 |
| 50° | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| 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)