

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: P1313207

Luminaire Tested: LDSQA3D02R359727DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359727DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

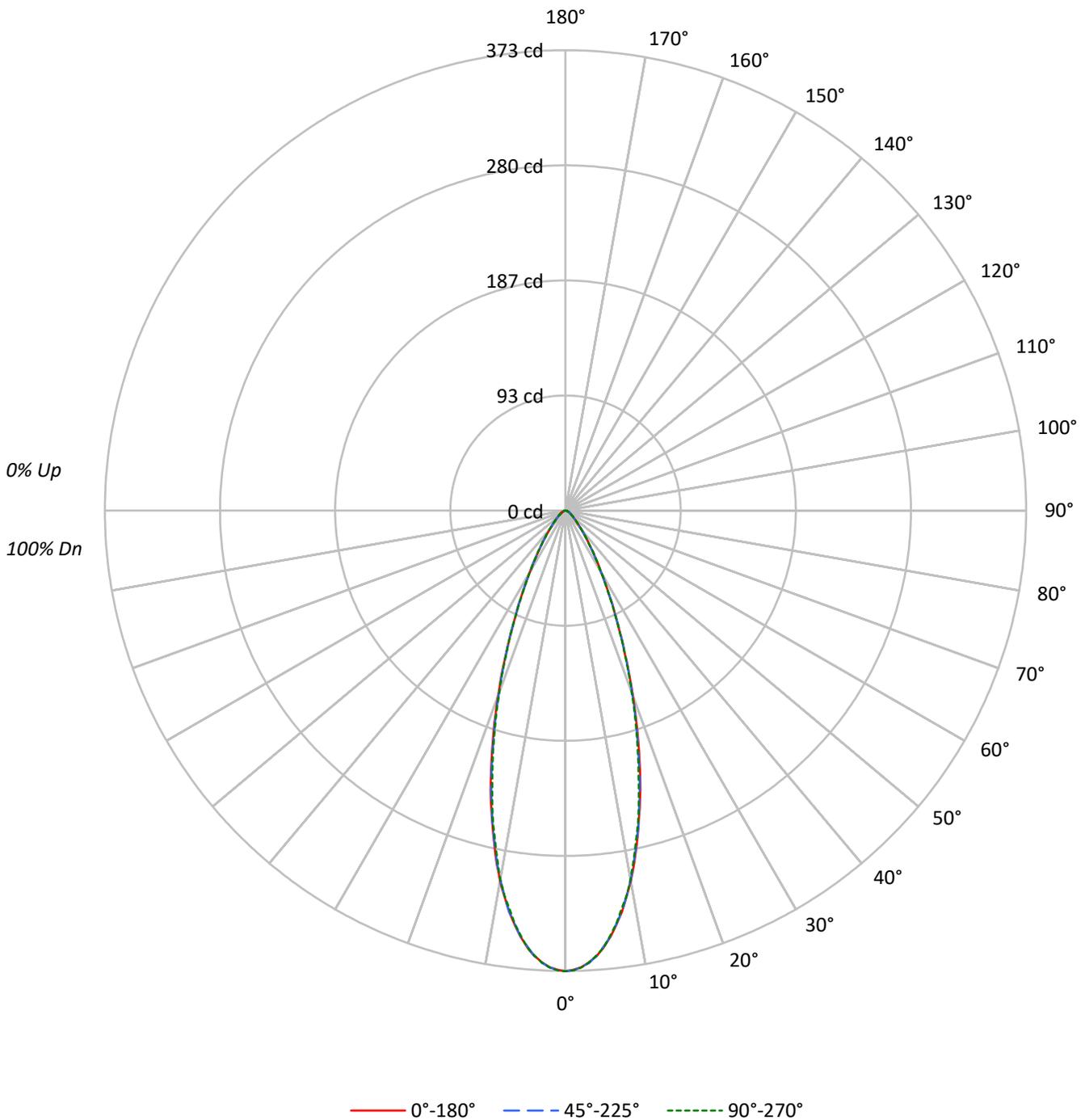
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 184.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
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





TEST NUMBER: P1313207

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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 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 89 | 89 | 89 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 83 | 83 | 83 | 83 | 82 |
| 4 | 98 | 91 | 86 | 82 | 97 | 90 | 85 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 78 | 78 | 78 | 77 |
| 5 | 94 | 86 | 80 | 76 | 92 | 85 | 80 | 76 | 83 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 73 |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 71 | 79 | 74 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 7 | 86 | 77 | 72 | 68 | 85 | 77 | 71 | 67 | 75 | 71 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 8 | 82 | 73 | 68 | 64 | 81 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 9 | 79 | 70 | 65 | 61 | 78 | 70 | 64 | 61 | 69 | 64 | 61 | 68 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 61 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 64 | 60 | 57 | 57 | 57 | 57 | 56 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 64256 | 64256 | 64256 |
| 5° | 61407 | 61286 | 61407 |
| 10° | 53303 | 53128 | 53058 |
| 15° | 41775 | 41436 | 40795 |
| 20° | 29214 | 28958 | 28774 |
| 25° | 18566 | 18680 | 18566 |
| 30° | 11435 | 11514 | 11435 |
| 35° | 7064 | 7106 | 7106 |
| 40° | 4496 | 4541 | 4541 |
| 45° | 3020 | 3069 | 3118 |
| 50° | 2197 | 2251 | 2251 |
| 55° | 1711 | 1711 | 1711 |
| 60° | 1412 | 1412 | 1412 |
| 65° | 1263 | 1263 | 1263 |
| 70° | 1108 | 1108 | 1108 |
| 75° | 932 | 932 | 932 |
| 80° | 793 | 793 | 793 |
| 85° | 395 | 395 | 790 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 3118 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.2 | 17.5 |
| 10°-20° | 63.5 | 34.5 |
| 20°-30° | 45.8 | 24.9 |
| 30°-40° | 22.1 | 12.0 |
| 40°-50° | 10.2 | 5.5 |
| 50°-60° | 5.3 | 2.9 |
| 60°-70° | 3.1 | 1.7 |
| 70°-80° | 1.5 | 0.8 |
| 80°-90° | 0.4 | 0.2 |
| 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° | 141.5 | 76.9 |
| 0°-40° | 163.6 | 88.9 |
| 0°-60° | 179.0 | 97.3 |
| 0°-90° | 184.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 184.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 373 | 373 | 373 | 373 | 373 | |
| 5° | 355 | 356 | 354 | 355 | 355 | 32 |
| 15° | 234 | 234 | 232 | 231 | 229 | 64 |
| 25° | 98 | 98 | 98 | 98 | 98 | 46 |
| 35° | 34 | 34 | 34 | 34 | 34 | 22 |
| 45° | 12 | 13 | 13 | 13 | 13 | 10 |
| 55° | 6 | 6 | 6 | 6 | 6 | 5 |
| 65° | 3 | 3 | 3 | 3 | 3 | 3 |
| 75° | 1 | 1 | 1 | 1 | 1 | 2 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313207

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 373.1 | 373.1 | 373.1 | 373.1 | 373.1 |
| 1° | 372.1 | 372.7 | 372.5 | 372.7 | 372.5 |
| 2° | 370.2 | 370.6 | 370.2 | 370.4 | 370.4 |
| 3° | 366.4 | 366.8 | 366.8 | 366.6 | 366.4 |
| 4° | 361.7 | 362.7 | 361.7 | 361.9 | 361.3 |
| 5° | 355.2 | 356.0 | 354.5 | 354.7 | 355.2 |
| 6° | 347.2 | 347.4 | 347.0 | 346.8 | 346.4 |
| 7° | 338.0 | 338.8 | 337.4 | 337.6 | 337.2 |
| 8° | 328.2 | 328.0 | 328.0 | 327.2 | 326.0 |
| 9° | 316.4 | 317.2 | 316.0 | 315.6 | 315.8 |
| 10° | 304.8 | 304.8 | 303.8 | 302.8 | 303.4 |
| 11° | 291.5 | 291.1 | 290.5 | 289.1 | 288.7 |
| 12° | 277.1 | 277.9 | 276.0 | 275.4 | 274.0 |
| 13° | 262.2 | 263.4 | 262.6 | 260.4 | 260.6 |
| 14° | 248.3 | 247.5 | 246.9 | 246.5 | 245.1 |
| 15° | 234.3 | 233.8 | 232.4 | 231.4 | 228.8 |
| 17.5° | 195.7 | 196.1 | 193.5 | 193.1 | 192.1 |
| 20° | 159.4 | 158.2 | 158.0 | 158.2 | 157.0 |
| 22.5° | 125.8 | 127.0 | 125.6 | 125.8 | 125.0 |
| 25° | 97.7 | 97.9 | 98.3 | 98.3 | 97.7 |
| 27.5° | 75.8 | 75.8 | 75.4 | 75.8 | 75.2 |
| 30° | 57.5 | 57.5 | 57.9 | 58.3 | 57.5 |
| 32.5° | 44.4 | 44.4 | 44.4 | 44.6 | 44.9 |
| 35° | 33.6 | 33.6 | 33.8 | 33.8 | 33.8 |
| 37.5° | 25.9 | 26.1 | 26.3 | 26.3 | 26.3 |
| 40° | 20.0 | 20.2 | 20.2 | 20.4 | 20.2 |
| 42.5° | 15.9 | 15.9 | 15.9 | 16.1 | 16.1 |
| 45° | 12.4 | 12.6 | 12.6 | 12.8 | 12.8 |
| 47.5° | 10.2 | 10.2 | 10.2 | 10.4 | 10.4 |
| 50° | 8.2 | 8.4 | 8.4 | 8.4 | 8.4 |
| 52.5° | 6.7 | 6.7 | 6.9 | 6.9 | 6.9 |
| 55° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 57.5° | 4.7 | 4.9 | 4.9 | 4.9 | 4.9 |
| 60° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 62.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 65° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 67.5° | 2.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 70° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 72.5° | 1.6 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 77.5° | 1.2 | 1.0 | 1.0 | 1.0 | 1.2 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 82.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |



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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)