

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: P1313266

Luminaire Tested: LDSQA3D02R709727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

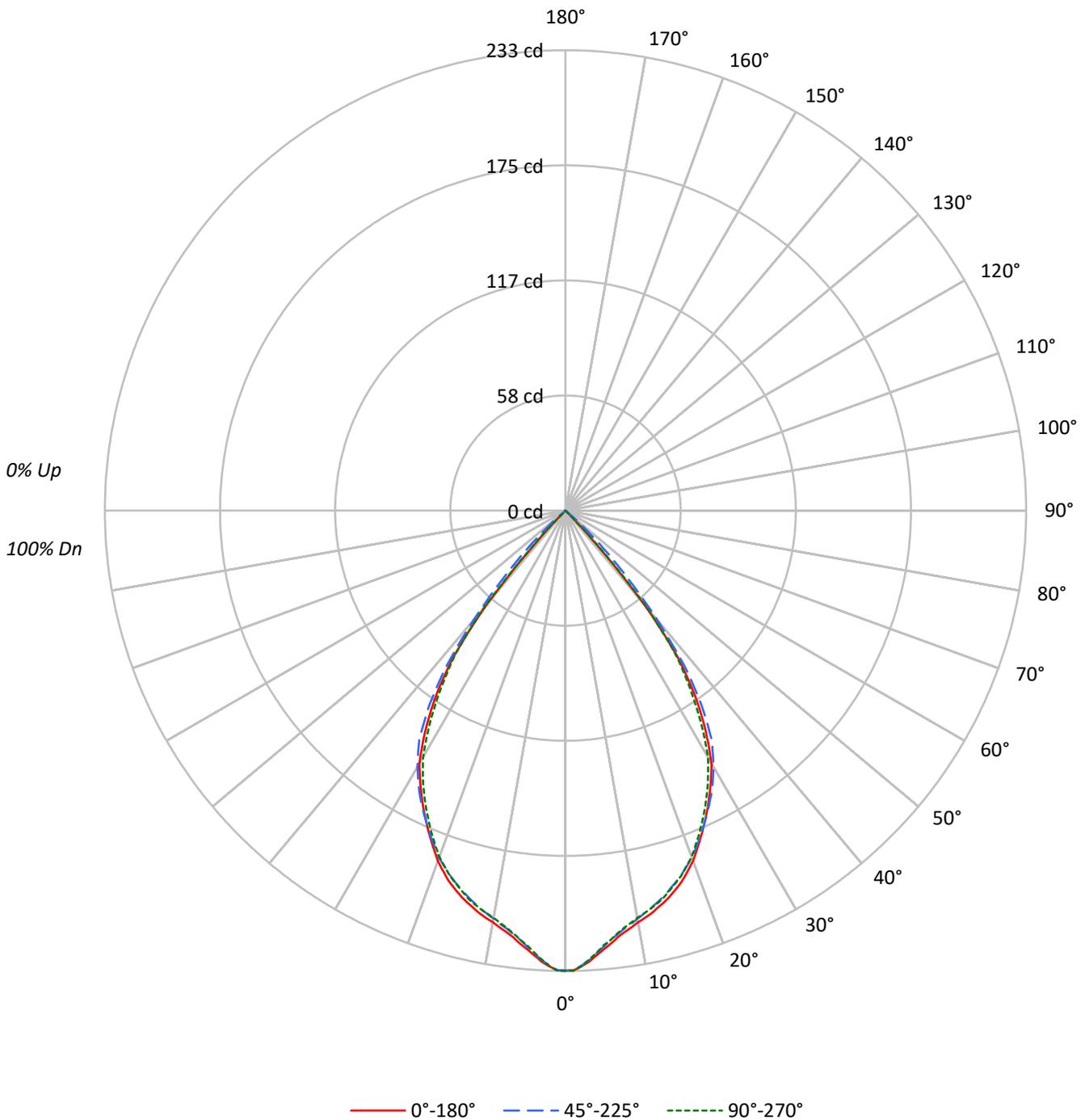
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
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





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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 | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 108 | 103 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 88 | 88 | 88 | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 84 | 81 | 81 | 81 | 81 | 80 |
| 4 | 96 | 89 | 83 | 79 | 95 | 88 | 82 | 78 | 85 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 75 | 75 | 75 | 74 |
| 5 | 91 | 83 | 77 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 6 | 86 | 77 | 71 | 67 | 85 | 76 | 71 | 66 | 75 | 70 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 65 | 65 | 65 | 63 |
| 7 | 82 | 72 | 66 | 62 | 80 | 71 | 66 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 60 | 60 | 60 | 59 |
| 8 | 78 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 56 | 56 | 56 | 55 |
| 9 | 74 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 53 | 53 | 53 | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 53 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 49 | 49 | 49 | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 40111 | 40111 | 40111 |
| 5° | 38518 | 38293 | 38189 |
| 10° | 36987 | 36672 | 36602 |
| 15° | 36123 | 35606 | 35677 |
| 20° | 34584 | 34254 | 34181 |
| 25° | 32115 | 32191 | 31677 |
| 30° | 29392 | 29790 | 28657 |
| 35° | 24031 | 25187 | 23106 |
| 40° | 13826 | 16120 | 14209 |
| 45° | 195 | 6698 | 706 |
| 50° | 0 | 697 | 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: 6698 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 20.8 | 8.6 |
| 10°-20° | 56.3 | 23.4 |
| 20°-30° | 77.4 | 32.1 |
| 30°-40° | 70.1 | 29.1 |
| 40°-50° | 16.3 | 6.8 |
| 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° | 154.5 | 64.1 |
| 0°-40° | 224.6 | 93.2 |
| 0°-60° | 241.0 | 100.0 |
| 0°-90° | 241.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 241.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 233 | 233 | 233 | 233 | 233 | |
| 5° | 223 | 222 | 222 | 221 | 221 | 21 |
| 15° | 203 | 201 | 200 | 200 | 200 | 57 |
| 25° | 169 | 170 | 169 | 168 | 167 | 78 |
| 35° | 114 | 116 | 120 | 115 | 110 | 69 |
| 45° | 1 | 9 | 28 | 12 | 3 | 10 |
| 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° | 232.9 | 232.9 | 232.9 | 232.9 | 232.9 |
| 1° | 232.7 | 232.3 | 232.5 | 232.7 | 232.9 |
| 2° | 230.9 | 230.5 | 230.5 | 230.7 | 230.7 |
| 3° | 228.7 | 227.9 | 227.9 | 227.6 | 227.6 |
| 4° | 225.6 | 225.0 | 224.6 | 224.4 | 224.4 |
| 5° | 222.8 | 222.1 | 221.5 | 221.1 | 220.9 |
| 6° | 220.3 | 219.3 | 218.5 | 218.3 | 218.5 |
| 7° | 217.5 | 216.8 | 216.0 | 215.4 | 215.6 |
| 8° | 215.4 | 214.6 | 213.6 | 213.2 | 213.2 |
| 9° | 213.6 | 212.8 | 211.8 | 210.9 | 211.3 |
| 10° | 211.5 | 210.7 | 209.7 | 209.1 | 209.3 |
| 11° | 210.1 | 209.1 | 207.9 | 207.5 | 207.7 |
| 12° | 208.5 | 207.3 | 206.0 | 205.8 | 206.2 |
| 13° | 206.5 | 205.2 | 204.0 | 204.0 | 204.4 |
| 14° | 204.6 | 203.2 | 202.0 | 202.0 | 202.6 |
| 15° | 202.6 | 201.2 | 199.7 | 199.7 | 200.1 |
| 17.5° | 196.5 | 195.2 | 193.8 | 193.8 | 194.0 |
| 20° | 188.7 | 188.1 | 186.9 | 186.3 | 186.5 |
| 22.5° | 178.9 | 178.9 | 178.3 | 177.3 | 176.9 |
| 25° | 169.0 | 169.8 | 169.4 | 167.7 | 166.7 |
| 27.5° | 158.6 | 160.0 | 160.2 | 157.7 | 155.9 |
| 30° | 147.8 | 149.0 | 149.8 | 146.9 | 144.1 |
| 32.5° | 131.9 | 135.5 | 137.6 | 133.7 | 127.8 |
| 35° | 114.3 | 116.0 | 119.8 | 114.7 | 109.9 |
| 37.5° | 92.9 | 95.0 | 98.2 | 94.2 | 91.3 |
| 40° | 61.5 | 69.7 | 71.7 | 69.7 | 63.2 |
| 42.5° | 22.2 | 39.1 | 47.1 | 39.9 | 26.1 |
| 45° | 0.8 | 9.2 | 27.5 | 11.8 | 2.9 |
| 47.5° | 0.0 | 0.2 | 12.4 | 0.4 | 0.0 |
| 50° | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.2 | 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)