

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: P1320046

Luminaire Tested: LDSQA3D09R709840DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709840DE010 3LSQCLDWWR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MB TRI
Light Source: -
Ballast/Driver: -

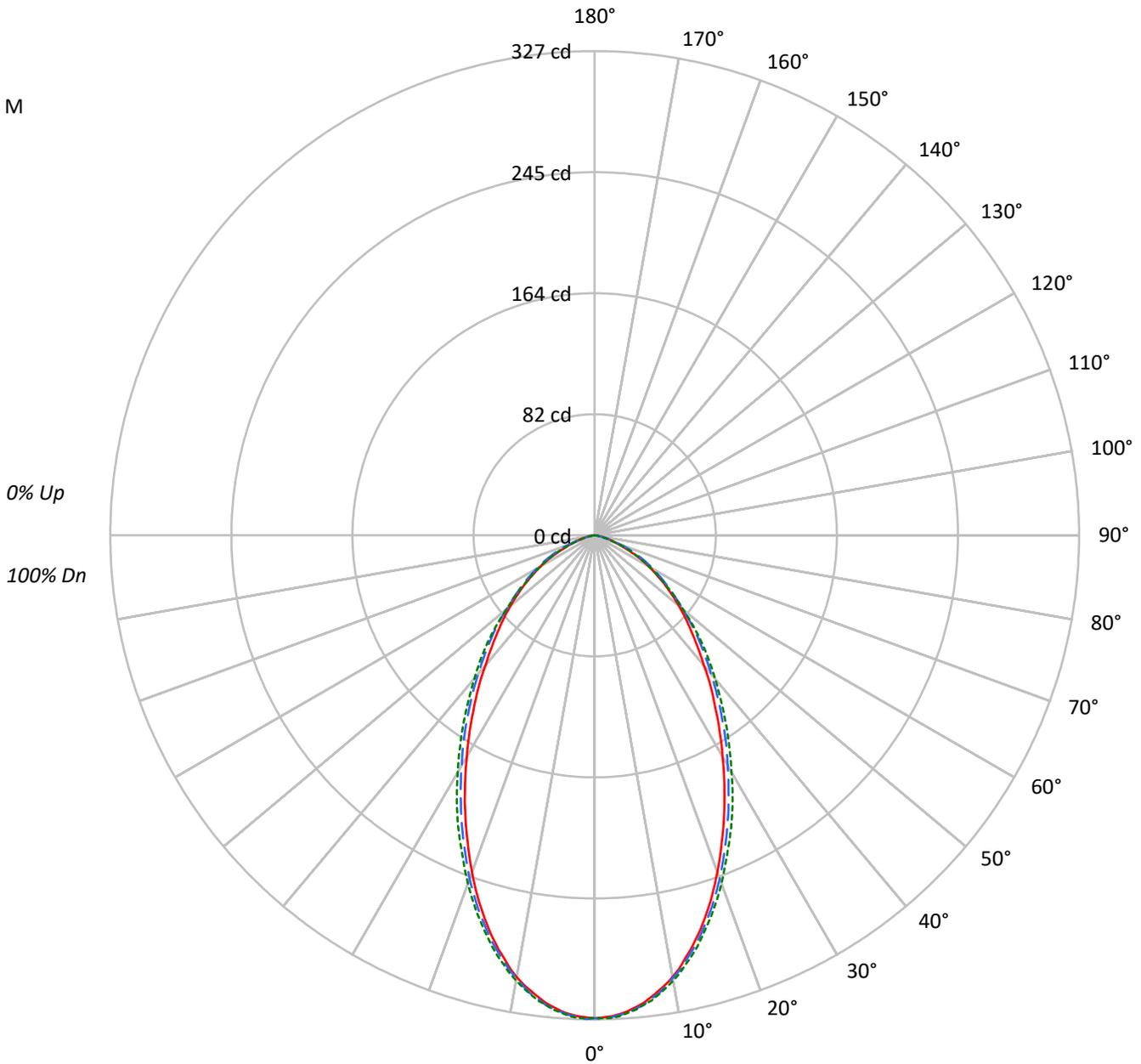
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 467.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 108 | 104 | 101 | 109 | 106 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 |
| 2 | 103 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 80 | 79 |
| 3 | 96 | 87 | 81 | 76 | 94 | 86 | 80 | 75 | 83 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 64 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 58 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 56179 | 56179 | 56179 |
| 5° | 55287 | 55495 | 55598 |
| 10° | 52988 | 53093 | 53408 |
| 15° | 49175 | 49585 | 49995 |
| 20° | 44389 | 45232 | 45874 |
| 25° | 39317 | 40400 | 41407 |
| 30° | 34344 | 35716 | 36750 |
| 35° | 29855 | 31432 | 32399 |
| 40° | 25787 | 27496 | 28395 |
| 45° | 22578 | 24137 | 24843 |
| 50° | 19880 | 20791 | 20791 |
| 55° | 17235 | 18106 | 17565 |
| 60° | 14570 | 15569 | 14777 |
| 65° | 11329 | 13000 | 11818 |
| 70° | 8157 | 9618 | 8157 |
| 75° | 6188 | 5789 | 4658 |
| 80° | 4066 | 2876 | 1190 |
| 85° | 1186 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 24843 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 30.1 | 6.4 |
| 10°-20° | 77.6 | 16.6 |
| 20°-30° | 97.4 | 20.9 |
| 30°-40° | 93.1 | 19.9 |
| 40°-50° | 75.7 | 16.2 |
| 50°-60° | 53.0 | 11.3 |
| 60°-70° | 29.9 | 6.4 |
| 70°-80° | 9.5 | 2.0 |
| 80°-90° | 0.7 | 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° | 205.2 | 43.9 |
| 0°-40° | 298.2 | 63.9 |
| 0°-60° | 426.9 | 91.4 |
| 0°-90° | 467.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 467.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 326 | 326 | 326 | 326 | 326 | |
| 5° | 320 | 320 | 321 | 320 | 322 | 30 |
| 15° | 276 | 276 | 278 | 279 | 280 | 77 |
| 25° | 207 | 209 | 213 | 216 | 218 | 95 |
| 35° | 142 | 144 | 150 | 152 | 154 | 89 |
| 45° | 93 | 95 | 99 | 101 | 102 | 72 |
| 55° | 57 | 58 | 60 | 59 | 58 | 51 |
| 65° | 28 | 30 | 32 | 30 | 29 | 28 |
| 75° | 9 | 9 | 9 | 8 | 7 | 10 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1320046

CATALOG NUMBER: LDSQA3D09R709840DE010 3LSQCLDWWR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 326.2 | 326.2 | 326.2 | 326.2 | 326.2 |
| 1° | 325.6 | 326.2 | 326.8 | 325.6 | 326.2 |
| 2° | 325.1 | 325.6 | 325.6 | 325.1 | 326.2 |
| 3° | 323.9 | 324.5 | 324.5 | 323.9 | 325.1 |
| 4° | 322.2 | 322.7 | 322.7 | 322.2 | 323.3 |
| 5° | 319.8 | 320.4 | 321.0 | 320.4 | 321.6 |
| 6° | 317.5 | 318.1 | 318.7 | 318.1 | 318.7 |
| 7° | 314.0 | 315.2 | 315.2 | 315.2 | 316.4 |
| 8° | 310.6 | 311.7 | 312.3 | 311.7 | 312.9 |
| 9° | 307.1 | 307.7 | 308.2 | 308.2 | 309.4 |
| 10° | 303.0 | 303.6 | 303.6 | 304.2 | 305.4 |
| 11° | 298.4 | 298.4 | 299.6 | 299.6 | 301.3 |
| 12° | 292.6 | 293.2 | 294.3 | 294.9 | 296.1 |
| 13° | 287.4 | 288.0 | 289.1 | 289.7 | 291.4 |
| 14° | 281.6 | 282.8 | 283.9 | 284.5 | 286.2 |
| 15° | 275.8 | 276.4 | 278.1 | 278.7 | 280.4 |
| 17.5° | 259.6 | 260.2 | 263.1 | 264.2 | 266.0 |
| 20° | 242.2 | 243.9 | 246.8 | 248.6 | 250.3 |
| 22.5° | 224.2 | 226.0 | 229.4 | 232.3 | 233.5 |
| 25° | 206.9 | 209.2 | 212.6 | 216.1 | 217.9 |
| 27.5° | 189.5 | 191.8 | 195.8 | 199.3 | 201.6 |
| 30° | 172.7 | 175.0 | 179.6 | 182.5 | 184.8 |
| 32.5° | 157.0 | 159.3 | 164.6 | 167.5 | 169.2 |
| 35° | 142.0 | 144.3 | 149.5 | 152.4 | 154.1 |
| 37.5° | 128.6 | 130.9 | 135.6 | 138.5 | 139.6 |
| 40° | 114.7 | 117.6 | 122.3 | 125.2 | 126.3 |
| 42.5° | 103.1 | 105.5 | 110.1 | 112.4 | 114.1 |
| 45° | 92.7 | 95.0 | 99.1 | 100.8 | 102.0 |
| 47.5° | 83.4 | 84.6 | 88.1 | 88.7 | 89.8 |
| 50° | 74.2 | 75.3 | 77.6 | 78.2 | 77.6 |
| 52.5° | 65.5 | 66.6 | 68.4 | 67.8 | 67.8 |
| 55° | 57.4 | 57.9 | 60.3 | 59.1 | 58.5 |
| 57.5° | 49.3 | 50.4 | 52.7 | 51.0 | 50.4 |
| 60° | 42.3 | 43.5 | 45.2 | 44.0 | 42.9 |
| 62.5° | 35.3 | 35.9 | 38.8 | 36.5 | 35.3 |
| 65° | 27.8 | 29.6 | 31.9 | 30.1 | 29.0 |
| 67.5° | 20.9 | 23.8 | 26.1 | 23.8 | 22.6 |
| 70° | 16.2 | 17.4 | 19.1 | 18.0 | 16.2 |
| 72.5° | 12.2 | 12.7 | 13.3 | 12.2 | 11.0 |
| 75° | 9.3 | 9.3 | 8.7 | 7.5 | 7.0 |
| 77.5° | 6.4 | 6.4 | 5.2 | 3.5 | 3.5 |
| 80° | 4.1 | 4.1 | 2.9 | 1.2 | 1.2 |
| 82.5° | 1.7 | 1.7 | 1.2 | 0.6 | 0.6 |
| 85° | 0.6 | 0.6 | 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)