

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: P1327242

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLDWWR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

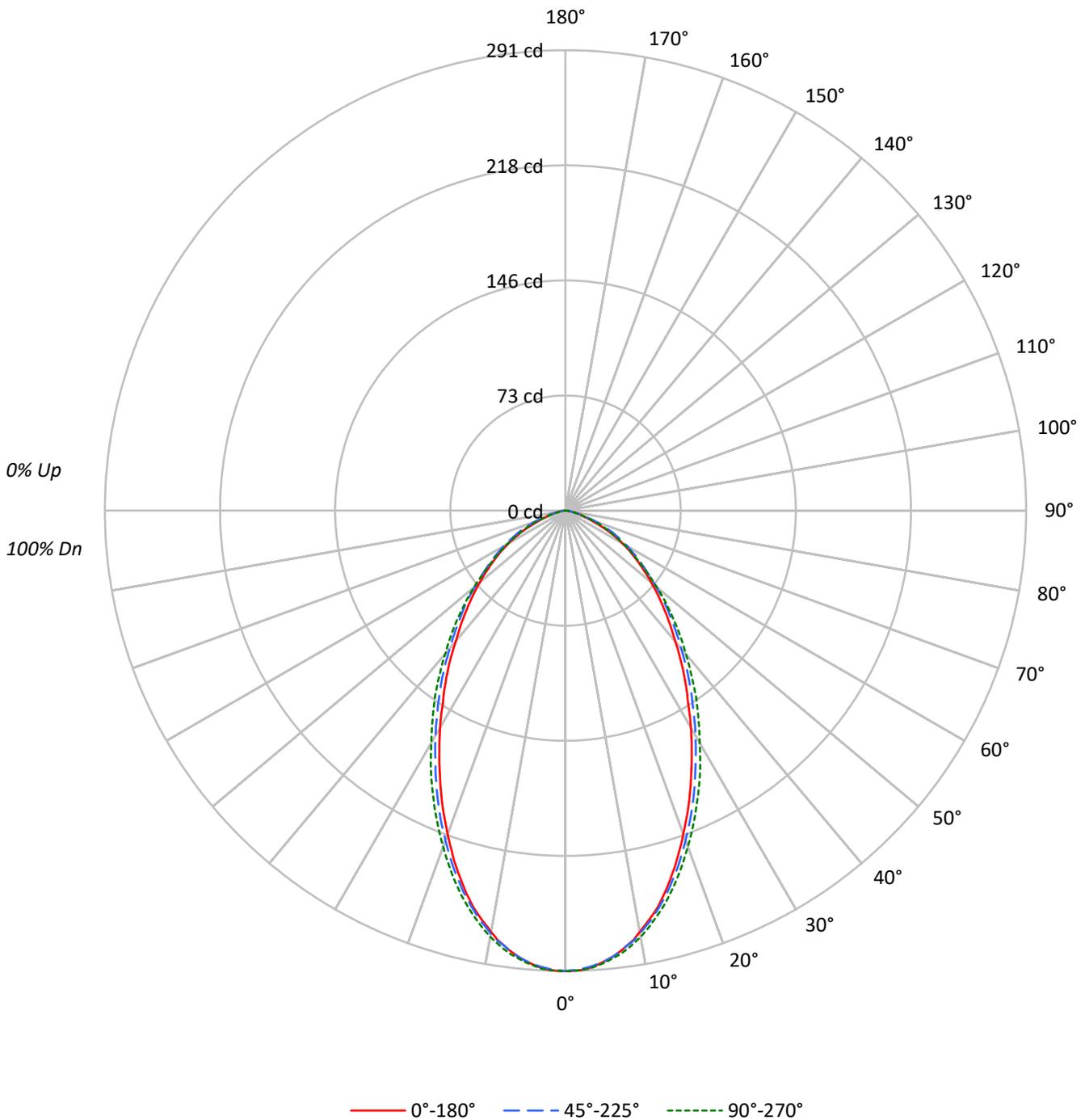
Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | | | | | | | | | | | | | | | | |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | 89 | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | 78 | | | | | | | | | | | | | | | | |
| 3 | 95 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 71 | 77 | 74 | 70 | 68 | | | 68 | | | | | | | | | | | | | | | | |
| 4 | 89 | 78 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 61 | | | 61 | | | | | | | | | | | | | | | | |
| 5 | 83 | 71 | 64 | 58 | 81 | 70 | 63 | 58 | 68 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 54 | | | 54 | | | | | | | | | | | | | | | | |
| 6 | 77 | 65 | 58 | 52 | 75 | 64 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | 49 | | | | | | | | | | | | | | | | |
| 7 | 72 | 60 | 52 | 47 | 70 | 59 | 52 | 47 | 58 | 51 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 44 | | | 44 | | | | | | | | | | | | | | | | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 42 | 53 | 47 | 42 | 51 | 46 | 42 | 40 | | | 40 | | | | | | | | | | | | | | | | |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 | | | 37 | | | | | | | | | | | | | | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | 34 | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 50117 | 50117 | 50117 |
| 5° | 49409 | 49409 | 49582 |
| 10° | 47287 | 47480 | 47847 |
| 15° | 44075 | 44450 | 45020 |
| 20° | 39881 | 40651 | 41439 |
| 25° | 35630 | 36637 | 37644 |
| 30° | 31520 | 32674 | 33728 |
| 35° | 27752 | 28993 | 30212 |
| 40° | 24236 | 25540 | 26596 |
| 45° | 21482 | 22651 | 23406 |
| 50° | 18970 | 19961 | 20229 |
| 55° | 16664 | 17595 | 17115 |
| 60° | 14363 | 15466 | 14742 |
| 65° | 11410 | 13326 | 12062 |
| 70° | 8258 | 10373 | 9064 |
| 75° | 6321 | 6654 | 5656 |
| 80° | 4166 | 4166 | 3174 |
| 85° | 2174 | 2174 | 2174 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 23406 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.8 | 6.1 |
| 10°-20° | 69.7 | 15.9 |
| 20°-30° | 88.5 | 20.3 |
| 30°-40° | 86.1 | 19.7 |
| 40°-50° | 71.6 | 16.4 |
| 50°-60° | 51.6 | 11.8 |
| 60°-70° | 30.4 | 7.0 |
| 70°-80° | 10.8 | 2.5 |
| 80°-90° | 1.6 | 0.4 |
| 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° | 185.0 | 42.3 |
| 0°-40° | 271.1 | 62.0 |
| 0°-60° | 394.3 | 90.2 |
| 0°-90° | 437.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 437.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 291 | 291 | 291 | 291 | 291 | |
| 5° | 286 | 285 | 286 | 286 | 287 | 27 |
| 15° | 247 | 247 | 249 | 251 | 252 | 69 |
| 25° | 188 | 190 | 193 | 196 | 198 | 86 |
| 35° | 132 | 134 | 138 | 142 | 144 | 83 |
| 45° | 88 | 90 | 93 | 95 | 96 | 68 |
| 55° | 56 | 57 | 59 | 58 | 57 | 50 |
| 65° | 28 | 30 | 33 | 31 | 30 | 28 |
| 75° | 10 | 10 | 10 | 9 | 8 | 10 |
| 85° | 1 | 1 | 1 | 1 | 1 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1327242

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 291.0 | 291.0 | 291.0 | 291.0 | 291.0 |
| 1° | 291.0 | 290.5 | 290.5 | 290.5 | 291.0 |
| 2° | 290.5 | 290.0 | 290.0 | 290.0 | 290.5 |
| 3° | 289.5 | 288.9 | 288.9 | 288.9 | 290.0 |
| 4° | 287.9 | 286.8 | 287.3 | 287.3 | 288.4 |
| 5° | 285.8 | 285.2 | 285.8 | 285.8 | 286.8 |
| 6° | 283.6 | 283.1 | 283.6 | 283.6 | 284.7 |
| 7° | 281.0 | 280.5 | 281.0 | 281.5 | 282.6 |
| 8° | 277.8 | 277.3 | 277.8 | 278.4 | 279.9 |
| 9° | 274.7 | 274.1 | 275.2 | 275.7 | 276.8 |
| 10° | 270.4 | 270.4 | 271.5 | 272.0 | 273.6 |
| 11° | 266.2 | 266.2 | 267.3 | 268.3 | 269.9 |
| 12° | 262.0 | 262.0 | 263.6 | 264.6 | 265.7 |
| 13° | 257.8 | 257.2 | 258.8 | 259.9 | 261.5 |
| 14° | 252.5 | 252.0 | 254.1 | 255.6 | 257.2 |
| 15° | 247.2 | 247.2 | 249.3 | 250.9 | 252.5 |
| 17.5° | 232.9 | 233.5 | 236.1 | 238.2 | 239.8 |
| 20° | 217.6 | 219.2 | 221.8 | 224.5 | 226.1 |
| 22.5° | 202.8 | 203.9 | 207.6 | 210.8 | 212.3 |
| 25° | 187.5 | 189.6 | 192.8 | 196.5 | 198.1 |
| 27.5° | 172.7 | 174.8 | 178.0 | 181.7 | 184.3 |
| 30° | 158.5 | 160.0 | 164.3 | 168.0 | 169.6 |
| 32.5° | 144.2 | 146.3 | 150.5 | 154.2 | 156.3 |
| 35° | 132.0 | 133.6 | 137.9 | 141.6 | 143.7 |
| 37.5° | 119.9 | 121.5 | 125.7 | 128.9 | 130.5 |
| 40° | 107.8 | 110.4 | 113.6 | 116.7 | 118.3 |
| 42.5° | 97.7 | 99.8 | 103.0 | 105.6 | 107.2 |
| 45° | 88.2 | 89.8 | 93.0 | 95.1 | 96.1 |
| 47.5° | 79.2 | 80.8 | 84.0 | 85.0 | 85.6 |
| 50° | 70.8 | 72.4 | 74.5 | 75.0 | 75.5 |
| 52.5° | 62.9 | 63.9 | 66.0 | 66.0 | 65.5 |
| 55° | 55.5 | 57.0 | 58.6 | 58.1 | 57.0 |
| 57.5° | 48.6 | 49.1 | 51.8 | 50.7 | 49.7 |
| 60° | 41.7 | 42.8 | 44.9 | 43.8 | 42.8 |
| 62.5° | 34.9 | 35.9 | 38.6 | 37.5 | 35.9 |
| 65° | 28.0 | 30.1 | 32.7 | 31.2 | 29.6 |
| 67.5° | 21.1 | 23.8 | 26.4 | 24.8 | 23.8 |
| 70° | 16.4 | 18.5 | 20.6 | 19.0 | 18.0 |
| 72.5° | 12.7 | 13.7 | 14.8 | 13.7 | 12.7 |
| 75° | 9.5 | 10.0 | 10.0 | 9.0 | 8.5 |
| 77.5° | 6.9 | 7.4 | 6.3 | 5.3 | 5.3 |
| 80° | 4.2 | 4.8 | 4.2 | 3.2 | 3.2 |
| 82.5° | 2.1 | 2.6 | 2.1 | 2.1 | 2.1 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 87.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |



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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)