

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: P1313500

Luminaire Tested: LDSQA3D09R259727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259727DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

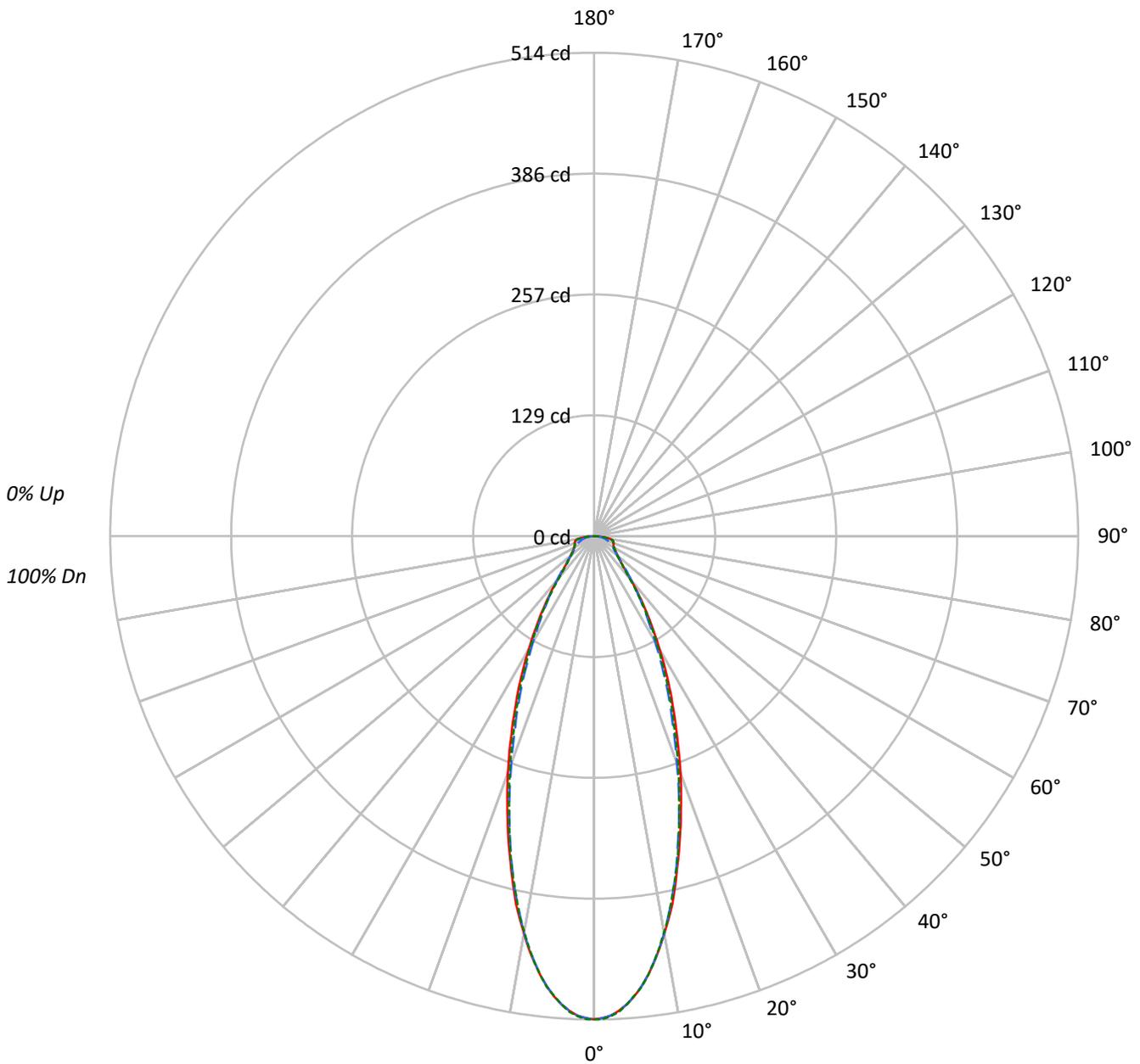
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 388.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 93 | 89 | 85 | 89 | 86 | 83 | 87 | 84 | 81 | 80 | | |
| 3 | 98 | 90 | 83 | 78 | 95 | 88 | 82 | 78 | 85 | 80 | 76 | 83 | 79 | 75 | 80 | 77 | 74 | 72 | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 64 | 74 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | |
| 6 | 82 | 72 | 65 | 60 | 80 | 71 | 64 | 59 | 69 | 63 | 59 | 68 | 62 | 59 | 66 | 62 | 58 | 56 | | |
| 7 | 78 | 67 | 60 | 55 | 76 | 66 | 60 | 55 | 65 | 59 | 55 | 64 | 58 | 55 | 62 | 58 | 54 | 53 | | |
| 8 | 74 | 63 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 49 | | |
| 9 | 70 | 60 | 53 | 49 | 69 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 46 | | |
| 10 | 67 | 56 | 50 | 46 | 66 | 56 | 50 | 46 | 55 | 49 | 46 | 54 | 49 | 45 | 53 | 49 | 45 | 44 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 88471 | 88471 | 88471 |
| 5° | 84902 | 84781 | 84781 |
| 10° | 75041 | 74936 | 74726 |
| 15° | 61976 | 61103 | 61424 |
| 20° | 49100 | 47083 | 47872 |
| 25° | 37397 | 35421 | 36352 |
| 30° | 27563 | 25594 | 26708 |
| 35° | 19721 | 18817 | 19069 |
| 40° | 13512 | 13782 | 13085 |
| 45° | 10010 | 10595 | 9864 |
| 50° | 8708 | 8708 | 8547 |
| 55° | 8287 | 7927 | 8287 |
| 60° | 8439 | 7819 | 8439 |
| 65° | 9251 | 7987 | 9251 |
| 70° | 11128 | 8006 | 10826 |
| 75° | 13841 | 8584 | 13841 |
| 80° | 17654 | 9124 | 16464 |
| 85° | 14623 | 8497 | 14623 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 17654 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.8 | 11.6 |
| 10°-20° | 95.3 | 24.6 |
| 20°-30° | 87.3 | 22.5 |
| 30°-40° | 57.6 | 14.8 |
| 40°-50° | 33.5 | 8.6 |
| 50°-60° | 24.5 | 6.3 |
| 60°-70° | 20.8 | 5.4 |
| 70°-80° | 17.2 | 4.4 |
| 80°-90° | 7.1 | 1.8 |
| 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° | 227.4 | 58.6 |
| 0°-40° | 285.0 | 73.4 |
| 0°-60° | 342.9 | 88.4 |
| 0°-90° | 388.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 388.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 514 | 514 | 514 | 514 | 514 | |
| 5° | 491 | 490 | 490 | 491 | 490 | 45 |
| 15° | 348 | 346 | 343 | 344 | 344 | 96 |
| 25° | 197 | 191 | 186 | 187 | 191 | 90 |
| 35° | 94 | 92 | 90 | 90 | 91 | 59 |
| 45° | 41 | 42 | 44 | 41 | 40 | 33 |
| 55° | 28 | 28 | 26 | 27 | 28 | 25 |
| 65° | 23 | 21 | 20 | 21 | 23 | 23 |
| 75° | 21 | 16 | 13 | 16 | 21 | 22 |
| 85° | 7 | 8 | 4 | 8 | 7 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313500

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 513.7 | 513.7 | 513.7 | 513.7 | 513.7 |
| 1° | 512.5 | 512.5 | 512.5 | 512.5 | 513.7 |
| 2° | 510.1 | 509.4 | 510.1 | 510.1 | 510.7 |
| 3° | 505.2 | 505.2 | 505.2 | 505.2 | 506.4 |
| 4° | 499.0 | 499.0 | 499.0 | 499.0 | 499.0 |
| 5° | 491.1 | 490.4 | 490.4 | 491.1 | 490.4 |
| 6° | 481.2 | 481.2 | 481.2 | 481.2 | 481.9 |
| 7° | 470.2 | 469.6 | 469.6 | 469.0 | 470.2 |
| 8° | 457.3 | 457.3 | 456.7 | 456.1 | 457.3 |
| 9° | 443.9 | 444.5 | 443.2 | 442.6 | 442.6 |
| 10° | 429.1 | 428.5 | 428.5 | 428.5 | 427.3 |
| 11° | 414.4 | 412.6 | 412.0 | 412.0 | 413.2 |
| 12° | 399.7 | 396.6 | 395.4 | 395.4 | 395.4 |
| 13° | 381.9 | 380.7 | 378.9 | 377.6 | 378.3 |
| 14° | 364.2 | 364.2 | 361.1 | 361.1 | 362.3 |
| 15° | 347.6 | 346.4 | 342.7 | 343.9 | 344.5 |
| 17.5° | 306.5 | 304.1 | 299.8 | 299.8 | 300.4 |
| 20° | 267.9 | 263.6 | 256.9 | 259.9 | 261.2 |
| 22.5° | 229.9 | 225.6 | 218.9 | 221.9 | 223.2 |
| 25° | 196.8 | 191.3 | 186.4 | 187.0 | 191.3 |
| 27.5° | 166.8 | 160.6 | 155.7 | 157.6 | 160.0 |
| 30° | 138.6 | 134.9 | 128.7 | 131.8 | 134.3 |
| 32.5° | 114.6 | 111.6 | 107.3 | 109.1 | 111.6 |
| 35° | 93.8 | 92.0 | 89.5 | 89.5 | 90.7 |
| 37.5° | 76.0 | 75.4 | 74.2 | 73.6 | 73.0 |
| 40° | 60.1 | 61.3 | 61.3 | 60.1 | 58.2 |
| 42.5° | 49.0 | 50.3 | 51.5 | 49.0 | 47.2 |
| 45° | 41.1 | 42.3 | 43.5 | 41.1 | 40.5 |
| 47.5° | 36.2 | 36.8 | 37.4 | 36.2 | 35.6 |
| 50° | 32.5 | 32.5 | 32.5 | 31.9 | 31.9 |
| 52.5° | 30.0 | 29.4 | 28.8 | 29.4 | 29.4 |
| 55° | 27.6 | 27.6 | 26.4 | 27.0 | 27.6 |
| 57.5° | 25.7 | 25.1 | 24.5 | 25.1 | 25.7 |
| 60° | 24.5 | 23.3 | 22.7 | 23.3 | 24.5 |
| 62.5° | 23.3 | 22.1 | 20.8 | 22.1 | 23.3 |
| 65° | 22.7 | 20.8 | 19.6 | 20.8 | 22.7 |
| 67.5° | 22.1 | 19.6 | 17.8 | 19.6 | 22.1 |
| 70° | 22.1 | 18.4 | 15.9 | 18.4 | 21.5 |
| 72.5° | 21.5 | 17.2 | 14.7 | 17.2 | 21.5 |
| 75° | 20.8 | 15.9 | 12.9 | 15.9 | 20.8 |
| 77.5° | 20.2 | 14.7 | 11.0 | 14.7 | 19.6 |
| 80° | 17.8 | 13.5 | 9.2 | 13.5 | 16.6 |
| 82.5° | 12.9 | 11.0 | 7.4 | 11.0 | 12.3 |
| 85° | 7.4 | 8.0 | 4.3 | 8.0 | 7.4 |
| 87.5° | 1.2 | 1.8 | 1.2 | 3.1 | 2.5 |



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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)