

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: P1313534

Luminaire Tested: LDSQA3D09R359727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359727DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

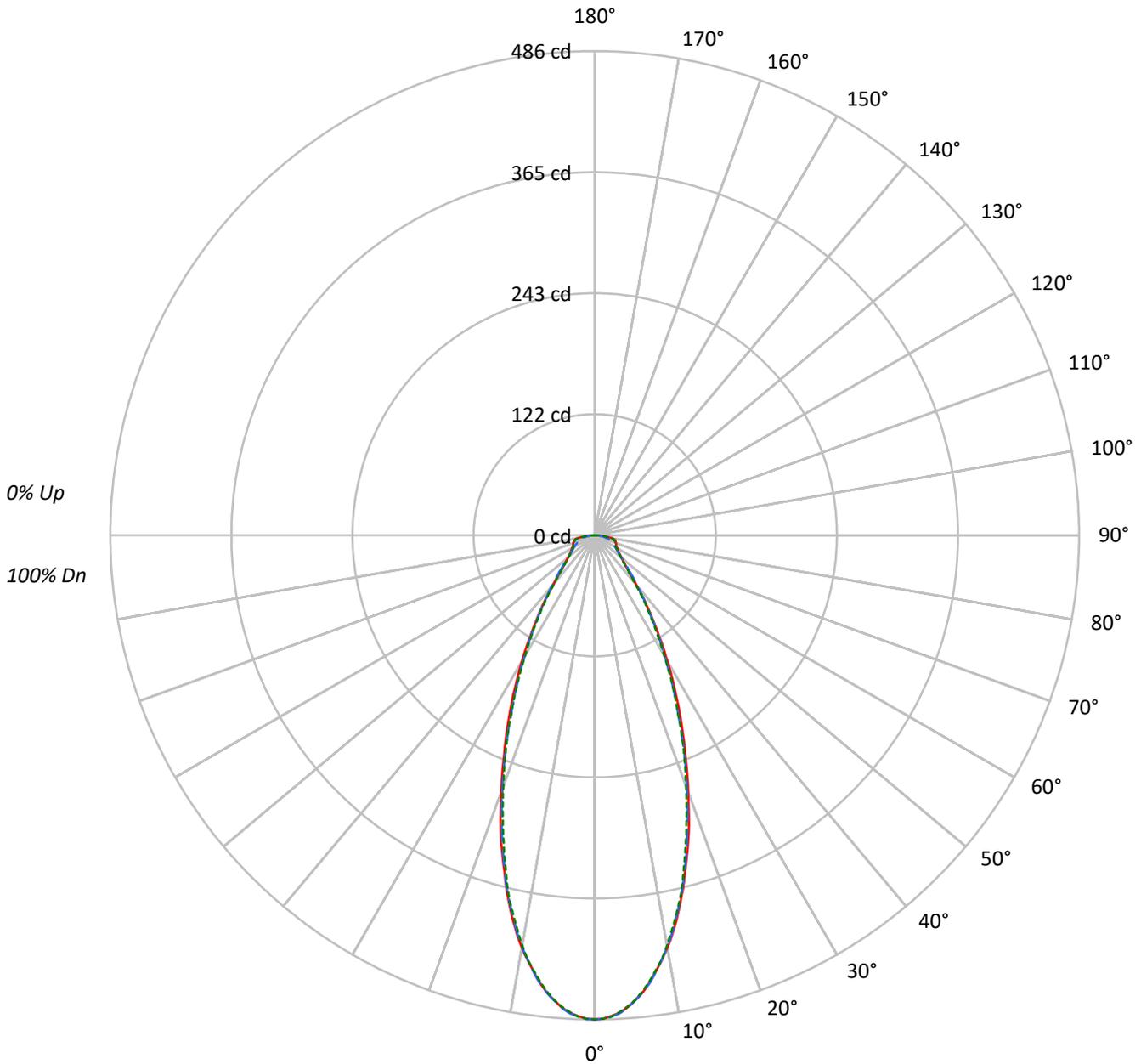
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 402.0 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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

TEST NUMBER: P1313534
CATALOG NUMBER: LDSQA3D09R359727DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



TEST NUMBER: P1313534

CATALOG NUMBER: LDSQA3D09R359727DE010 3LSQPHRLP1MW

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 | 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 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 81 | 81 | 81 | 79 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 72 |
| 4 | 92 | 82 | 75 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 67 | 67 | 67 | 65 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 67 | 63 | 70 | 65 | 62 | 62 | 62 | 62 | 60 |
| 6 | 82 | 71 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 57 | 57 | 57 | 56 |
| 7 | 77 | 66 | 60 | 55 | 76 | 66 | 59 | 54 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 54 | 54 | 54 | 52 |
| 8 | 73 | 62 | 56 | 51 | 72 | 62 | 55 | 51 | 61 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 50 | 50 | 50 | 49 |
| 9 | 70 | 59 | 52 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 55 | 51 | 47 | 47 | 47 | 47 | 46 |
| 10 | 66 | 56 | 49 | 45 | 65 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 45 | 53 | 48 | 44 | 44 | 44 | 44 | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 83683 | 83683 | 83683 |
| 5° | 80925 | 81029 | 80925 |
| 10° | 73519 | 73414 | 73100 |
| 15° | 62404 | 62190 | 61638 |
| 20° | 50236 | 49576 | 49118 |
| 25° | 38841 | 37682 | 37682 |
| 30° | 28955 | 27980 | 27742 |
| 35° | 20835 | 20583 | 20078 |
| 40° | 14591 | 14996 | 14029 |
| 45° | 10887 | 11472 | 10570 |
| 50° | 9351 | 9351 | 9190 |
| 55° | 8828 | 8437 | 8648 |
| 60° | 9059 | 8232 | 8646 |
| 65° | 9740 | 8232 | 9495 |
| 70° | 11380 | 8611 | 11078 |
| 75° | 14240 | 8983 | 13841 |
| 80° | 18249 | 9720 | 16365 |
| 85° | 14425 | 9683 | 14425 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 18249 cd/sqm



TEST NUMBER: P1313534

CATALOG NUMBER: LDSQA3D09R359727DE010 3LSQPHRLP1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.2 | 10.7 |
| 10°-20° | 96.3 | 24.0 |
| 20°-30° | 92.0 | 22.9 |
| 30°-40° | 61.8 | 15.4 |
| 40°-50° | 36.3 | 9.0 |
| 50°-60° | 25.9 | 6.5 |
| 60°-70° | 21.6 | 5.4 |
| 70°-80° | 17.7 | 4.4 |
| 80°-90° | 7.3 | 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° | 231.4 | 57.6 |
| 0°-40° | 293.2 | 72.9 |
| 0°-60° | 355.4 | 88.4 |
| 0°-90° | 402.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 402.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 486 | 486 | 486 | 486 | 486 | |
| 5° | 468 | 469 | 469 | 468 | 468 | 43 |
| 15° | 350 | 351 | 349 | 346 | 346 | 97 |
| 25° | 204 | 202 | 198 | 198 | 198 | 94 |
| 35° | 99 | 99 | 98 | 96 | 96 | 63 |
| 45° | 45 | 46 | 47 | 45 | 43 | 36 |
| 55° | 29 | 29 | 28 | 28 | 29 | 27 |
| 65° | 24 | 21 | 20 | 21 | 23 | 24 |
| 75° | 21 | 16 | 14 | 16 | 21 | 22 |
| 85° | 7 | 8 | 5 | 8 | 7 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313534

CATALOG NUMBER: LDSQA3D09R359727DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 485.9 | 485.9 | 485.9 | 485.9 | 485.9 |
| 1° | 485.3 | 485.9 | 485.9 | 485.3 | 485.3 |
| 2° | 482.8 | 484.0 | 483.4 | 482.8 | 483.4 |
| 3° | 479.8 | 481.0 | 480.4 | 479.8 | 479.1 |
| 4° | 474.9 | 476.1 | 475.5 | 474.3 | 474.3 |
| 5° | 468.1 | 469.4 | 468.7 | 468.1 | 468.1 |
| 6° | 461.4 | 462.6 | 461.4 | 460.2 | 460.2 |
| 7° | 452.2 | 454.1 | 452.8 | 451.6 | 451.0 |
| 8° | 441.8 | 443.7 | 442.4 | 441.8 | 440.6 |
| 9° | 431.4 | 432.6 | 430.8 | 430.8 | 430.8 |
| 10° | 420.4 | 421.0 | 419.8 | 418.0 | 418.0 |
| 11° | 408.2 | 407.5 | 406.9 | 405.7 | 404.5 |
| 12° | 394.7 | 394.7 | 392.9 | 391.6 | 391.0 |
| 13° | 380.6 | 380.0 | 378.8 | 377.6 | 377.6 |
| 14° | 365.9 | 365.9 | 364.7 | 362.3 | 362.9 |
| 15° | 350.0 | 350.6 | 348.8 | 346.4 | 345.7 |
| 17.5° | 313.9 | 312.7 | 309.6 | 307.8 | 306.0 |
| 20° | 274.1 | 273.5 | 270.5 | 268.6 | 268.0 |
| 22.5° | 237.4 | 236.8 | 233.8 | 231.9 | 233.1 |
| 25° | 204.4 | 201.9 | 198.3 | 198.3 | 198.3 |
| 27.5° | 173.8 | 170.7 | 168.3 | 167.1 | 168.3 |
| 30° | 145.6 | 143.2 | 140.7 | 140.1 | 139.5 |
| 32.5° | 120.6 | 119.3 | 118.1 | 116.3 | 116.3 |
| 35° | 99.1 | 99.1 | 97.9 | 96.1 | 95.5 |
| 37.5° | 80.8 | 81.4 | 80.8 | 78.9 | 78.3 |
| 40° | 64.9 | 66.1 | 66.7 | 64.9 | 62.4 |
| 42.5° | 53.2 | 55.1 | 56.3 | 53.2 | 51.4 |
| 45° | 44.7 | 45.9 | 47.1 | 44.7 | 43.4 |
| 47.5° | 39.2 | 39.8 | 40.4 | 38.6 | 37.9 |
| 50° | 34.9 | 34.9 | 34.9 | 34.3 | 34.3 |
| 52.5° | 31.8 | 31.8 | 31.2 | 30.6 | 30.6 |
| 55° | 29.4 | 28.8 | 28.1 | 28.1 | 28.8 |
| 57.5° | 27.5 | 26.9 | 25.7 | 26.3 | 26.9 |
| 60° | 26.3 | 25.1 | 23.9 | 24.5 | 25.1 |
| 62.5° | 24.5 | 23.3 | 22.0 | 22.6 | 23.9 |
| 65° | 23.9 | 21.4 | 20.2 | 21.4 | 23.3 |
| 67.5° | 23.3 | 20.2 | 18.4 | 20.2 | 22.6 |
| 70° | 22.6 | 19.0 | 17.1 | 19.0 | 22.0 |
| 72.5° | 22.0 | 17.7 | 15.3 | 17.7 | 21.4 |
| 75° | 21.4 | 16.5 | 13.5 | 16.5 | 20.8 |
| 77.5° | 20.2 | 15.3 | 11.6 | 15.3 | 19.0 |
| 80° | 18.4 | 14.1 | 9.8 | 13.5 | 16.5 |
| 82.5° | 13.5 | 11.6 | 8.0 | 11.6 | 12.2 |
| 85° | 7.3 | 8.0 | 4.9 | 8.0 | 7.3 |
| 87.5° | 0.6 | 1.2 | 1.2 | 3.7 | 2.4 |



TEST NUMBER: P1313534
CATALOG NUMBER: LDSQA3D09R359727DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)