

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: P1316583

Luminaire Tested: LDSQA3D13R259740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

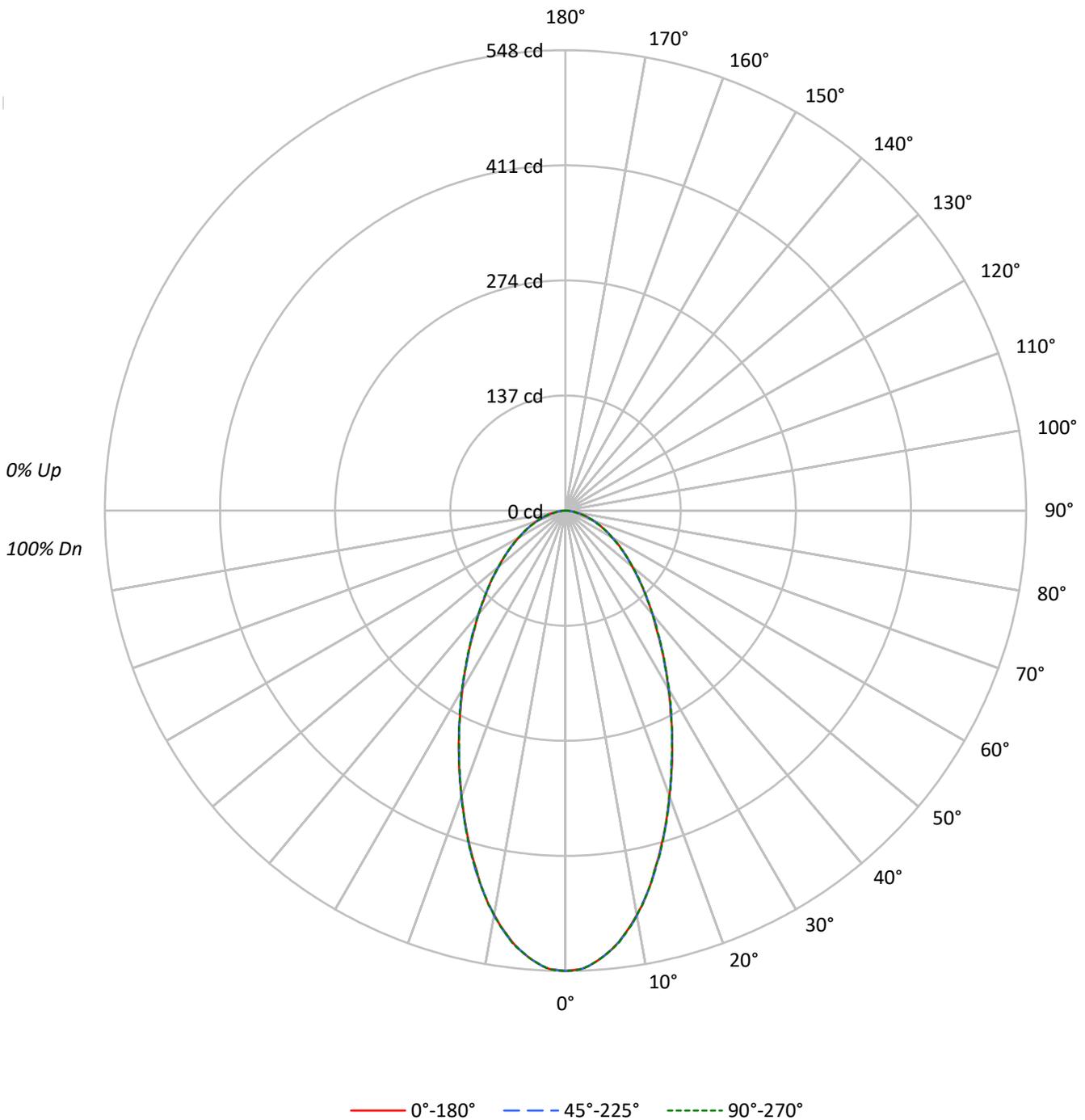
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 686.0 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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





TEST NUMBER: P1316583

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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 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | |
| 4 | 89 | 79 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 68 | 63 | 71 | 66 | 63 | 61 | | |
| 5 | 83 | 72 | 64 | 58 | 81 | 71 | 64 | 58 | 69 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 56 | 55 | | |
| 6 | 77 | 66 | 58 | 53 | 76 | 65 | 58 | 52 | 63 | 57 | 52 | 62 | 56 | 52 | 60 | 55 | 51 | 49 | | |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | |
| 8 | 68 | 56 | 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 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 94361 | 94361 | 94361 |
| 5° | 91955 | 91955 | 91955 |
| 10° | 85446 | 85621 | 85446 |
| 15° | 76205 | 76383 | 76383 |
| 20° | 66254 | 66437 | 66254 |
| 25° | 57065 | 56894 | 56894 |
| 30° | 48682 | 48861 | 49060 |
| 35° | 41755 | 41755 | 41965 |
| 40° | 36196 | 36196 | 36196 |
| 45° | 31638 | 31638 | 31638 |
| 50° | 27758 | 27758 | 27999 |
| 55° | 24862 | 24862 | 24862 |
| 60° | 22044 | 22044 | 22044 |
| 65° | 19968 | 19968 | 19968 |
| 70° | 18027 | 17523 | 18027 |
| 75° | 16303 | 15637 | 15637 |
| 80° | 13092 | 13092 | 13092 |
| 85° | 9287 | 9287 | 9287 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31638 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 49.4 | 7.2 |
| 10°-20° | 119.2 | 17.4 |
| 20°-30° | 137.8 | 20.1 |
| 30°-40° | 124.9 | 18.2 |
| 40°-50° | 100.7 | 14.7 |
| 50°-60° | 74.2 | 10.8 |
| 60°-70° | 48.8 | 7.1 |
| 70°-80° | 25.2 | 3.7 |
| 80°-90° | 5.7 | 0.8 |
| 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° | 306.5 | 44.7 |
| 0°-40° | 431.4 | 62.9 |
| 0°-60° | 606.3 | 88.4 |
| 0°-90° | 686.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 686.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 548 | 548 | 548 | 548 | 548 | |
| 5° | 532 | 534 | 532 | 532 | 532 | 49 |
| 15° | 427 | 428 | 428 | 427 | 428 | 119 |
| 25° | 300 | 299 | 299 | 300 | 299 | 138 |
| 35° | 199 | 199 | 199 | 199 | 200 | 125 |
| 45° | 130 | 130 | 130 | 130 | 130 | 101 |
| 55° | 83 | 83 | 83 | 82 | 83 | 74 |
| 65° | 49 | 49 | 49 | 49 | 49 | 49 |
| 75° | 24 | 24 | 24 | 24 | 24 | 26 |
| 85° | 5 | 5 | 5 | 5 | 5 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1316583

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 547.9 | 547.9 | 547.9 | 547.9 | 547.9 |
| 1° | 547.0 | 548.9 | 547.0 | 547.0 | 547.9 |
| 2° | 546.1 | 547.0 | 546.1 | 546.1 | 546.1 |
| 3° | 542.3 | 544.2 | 542.3 | 542.3 | 542.3 |
| 4° | 537.6 | 539.5 | 537.6 | 537.6 | 537.6 |
| 5° | 531.9 | 533.8 | 531.9 | 531.9 | 531.9 |
| 6° | 525.3 | 526.3 | 525.3 | 525.3 | 525.3 |
| 7° | 517.8 | 518.7 | 517.8 | 517.8 | 518.7 |
| 8° | 508.4 | 509.3 | 509.3 | 508.4 | 508.4 |
| 9° | 499.0 | 499.9 | 499.9 | 499.0 | 499.9 |
| 10° | 488.6 | 489.6 | 489.6 | 488.6 | 488.6 |
| 11° | 478.3 | 479.2 | 477.3 | 477.3 | 478.3 |
| 12° | 466.0 | 467.0 | 466.0 | 466.0 | 466.0 |
| 13° | 453.8 | 453.8 | 453.8 | 453.8 | 453.8 |
| 14° | 439.7 | 441.5 | 441.5 | 440.6 | 439.7 |
| 15° | 427.4 | 428.4 | 428.4 | 427.4 | 428.4 |
| 17.5° | 394.5 | 396.4 | 395.4 | 395.4 | 395.4 |
| 20° | 361.5 | 362.5 | 362.5 | 361.5 | 361.5 |
| 22.5° | 330.5 | 329.5 | 329.5 | 329.5 | 329.5 |
| 25° | 300.3 | 299.4 | 299.4 | 300.3 | 299.4 |
| 27.5° | 271.1 | 272.1 | 272.1 | 271.1 | 272.1 |
| 30° | 244.8 | 244.8 | 245.7 | 244.8 | 246.7 |
| 32.5° | 221.2 | 221.2 | 220.3 | 221.2 | 221.2 |
| 35° | 198.6 | 198.6 | 198.6 | 198.6 | 199.6 |
| 37.5° | 177.9 | 178.9 | 179.8 | 179.8 | 178.9 |
| 40° | 161.0 | 161.0 | 161.0 | 161.0 | 161.0 |
| 42.5° | 144.0 | 144.0 | 145.0 | 145.0 | 145.0 |
| 45° | 129.9 | 129.9 | 129.9 | 129.9 | 129.9 |
| 47.5° | 116.7 | 116.7 | 115.8 | 115.8 | 116.7 |
| 50° | 103.6 | 104.5 | 103.6 | 103.6 | 104.5 |
| 52.5° | 93.2 | 92.3 | 92.3 | 93.2 | 93.2 |
| 55° | 82.8 | 82.8 | 82.8 | 81.9 | 82.8 |
| 57.5° | 73.4 | 73.4 | 72.5 | 72.5 | 72.5 |
| 60° | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| 62.5° | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| 65° | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| 67.5° | 42.4 | 42.4 | 42.4 | 42.4 | 41.4 |
| 70° | 35.8 | 35.8 | 34.8 | 34.8 | 35.8 |
| 72.5° | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 75° | 24.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 77.5° | 18.8 | 18.8 | 17.9 | 18.8 | 17.9 |
| 80° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 82.5° | 9.4 | 8.5 | 8.5 | 8.5 | 8.5 |
| 85° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 87.5° | 0.9 | 0.9 | 0.9 | 0.9 | 1.9 |



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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)