

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: P1315595

Luminaire Tested: LDSQA3D13R209735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

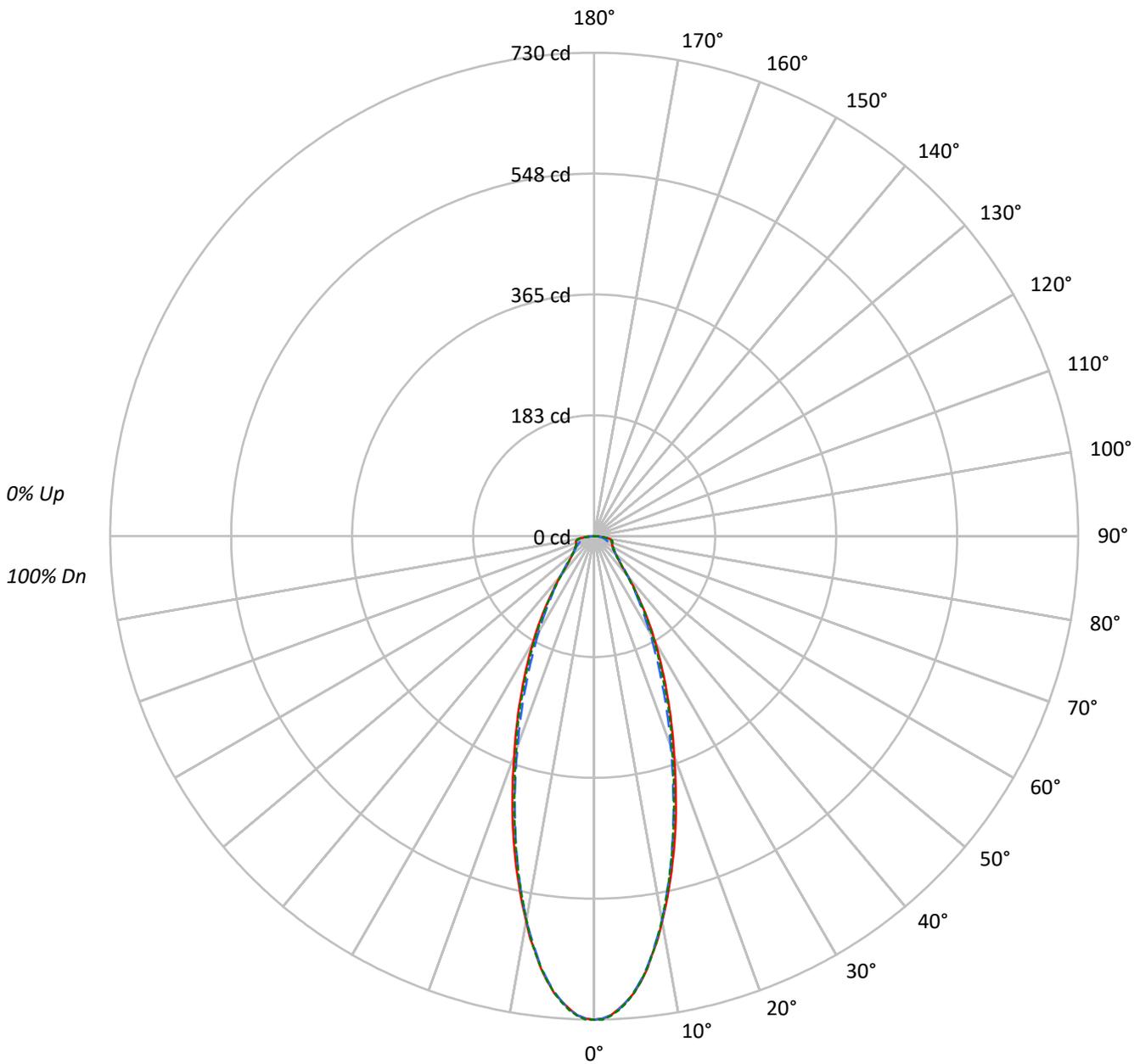
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 515.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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



— 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 | 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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 93 | 88 | 102 | 96 | 91 | 87 | 93 | 89 | 85 | 90 | 86 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 85 | 81 | 77 | 83 | 79 | 75 | 81 | 77 | 74 | 74 | 74 | 74 | 72 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 68 | 68 | 68 | 66 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 63 | 63 | 63 | 61 |
| 6 | 82 | 72 | 65 | 60 | 81 | 71 | 65 | 60 | 69 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 57 |
| 7 | 78 | 67 | 61 | 56 | 77 | 67 | 60 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 53 |
| 8 | 74 | 63 | 57 | 52 | 73 | 63 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 52 | 60 | 55 | 51 | 51 | 51 | 51 | 50 |
| 9 | 71 | 60 | 53 | 49 | 69 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 57 | 52 | 48 | 48 | 48 | 48 | 47 |
| 10 | 67 | 57 | 50 | 46 | 66 | 56 | 50 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 46 | 46 | 46 | 44 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 125774 | 125774 | 125774 |
| 5° | 119668 | 119357 | 119668 |
| 10° | 103301 | 102987 | 102829 |
| 15° | 83836 | 81910 | 82231 |
| 20° | 64586 | 61764 | 62937 |
| 25° | 49065 | 45454 | 47697 |
| 30° | 36392 | 33151 | 35319 |
| 35° | 25713 | 24010 | 25335 |
| 40° | 17716 | 17716 | 17311 |
| 45° | 13030 | 13688 | 13030 |
| 50° | 11414 | 11414 | 11414 |
| 55° | 10869 | 10599 | 10869 |
| 60° | 11229 | 10299 | 11229 |
| 65° | 12185 | 10351 | 12185 |
| 70° | 14603 | 10474 | 14603 |
| 75° | 18698 | 11445 | 18698 |
| 80° | 23406 | 11703 | 22514 |
| 85° | 17982 | 10671 | 19760 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 23406 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.7 | 12.2 |
| 10°-20° | 127.9 | 24.8 |
| 20°-30° | 114.2 | 22.2 |
| 30°-40° | 74.9 | 14.6 |
| 40°-50° | 43.6 | 8.5 |
| 50°-60° | 32.3 | 6.3 |
| 60°-70° | 27.3 | 5.3 |
| 70°-80° | 22.6 | 4.4 |
| 80°-90° | 9.4 | 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° | 304.8 | 59.2 |
| 0°-40° | 379.7 | 73.7 |
| 0°-60° | 455.7 | 88.5 |
| 0°-90° | 515.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 515.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 730 | 730 | 730 | 730 | 730 | |
| 5° | 692 | 691 | 690 | 691 | 692 | 63 |
| 15° | 470 | 466 | 459 | 460 | 461 | 130 |
| 25° | 258 | 251 | 239 | 246 | 251 | 119 |
| 35° | 122 | 119 | 114 | 118 | 120 | 78 |
| 45° | 54 | 54 | 56 | 54 | 54 | 43 |
| 55° | 36 | 35 | 35 | 35 | 36 | 33 |
| 65° | 30 | 27 | 25 | 27 | 30 | 30 |
| 75° | 28 | 21 | 17 | 21 | 28 | 29 |
| 85° | 9 | 10 | 5 | 10 | 10 | 11 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 730.3 | 730.3 | 730.3 | 730.3 | 730.3 |
| 1° | 728.5 | 729.4 | 728.5 | 729.4 | 730.3 |
| 2° | 723.9 | 724.8 | 723.9 | 723.9 | 724.8 |
| 3° | 714.9 | 715.8 | 715.8 | 715.8 | 716.7 |
| 4° | 704.0 | 704.9 | 704.0 | 704.9 | 705.8 |
| 5° | 692.2 | 691.3 | 690.4 | 691.3 | 692.2 |
| 6° | 675.9 | 675.0 | 674.1 | 675.0 | 675.9 |
| 7° | 657.8 | 656.9 | 656.0 | 656.0 | 656.9 |
| 8° | 635.1 | 636.0 | 633.3 | 635.1 | 636.0 |
| 9° | 615.2 | 613.4 | 611.6 | 611.6 | 613.4 |
| 10° | 590.7 | 588.9 | 588.9 | 588.0 | 588.0 |
| 12.5° | 530.9 | 527.3 | 524.6 | 524.6 | 525.5 |
| 15° | 470.2 | 465.7 | 459.4 | 460.3 | 461.2 |
| 17.5° | 409.5 | 404.1 | 395.9 | 397.8 | 399.6 |
| 20° | 352.4 | 347.0 | 337.0 | 340.7 | 343.4 |
| 22.5° | 303.5 | 295.4 | 286.3 | 289.0 | 298.1 |
| 25° | 258.2 | 251.0 | 239.2 | 245.5 | 251.0 |
| 27.5° | 218.4 | 210.2 | 200.2 | 206.6 | 212.0 |
| 30° | 183.0 | 175.8 | 166.7 | 172.1 | 177.6 |
| 32.5° | 151.3 | 145.0 | 138.6 | 142.2 | 146.8 |
| 35° | 122.3 | 118.7 | 114.2 | 117.8 | 120.5 |
| 37.5° | 98.8 | 96.9 | 95.1 | 96.9 | 96.0 |
| 40° | 78.8 | 79.7 | 78.8 | 78.8 | 77.0 |
| 42.5° | 62.5 | 65.2 | 66.1 | 64.3 | 62.5 |
| 45° | 53.5 | 54.4 | 56.2 | 54.4 | 53.5 |
| 47.5° | 47.1 | 47.1 | 48.0 | 47.1 | 46.2 |
| 50° | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 52.5° | 39.0 | 39.0 | 38.1 | 39.0 | 39.0 |
| 55° | 36.2 | 35.3 | 35.3 | 35.3 | 36.2 |
| 57.5° | 34.4 | 33.5 | 32.6 | 33.5 | 34.4 |
| 60° | 32.6 | 30.8 | 29.9 | 30.8 | 32.6 |
| 62.5° | 30.8 | 29.0 | 28.1 | 29.0 | 30.8 |
| 65° | 29.9 | 27.2 | 25.4 | 27.2 | 29.9 |
| 67.5° | 29.0 | 25.4 | 23.6 | 25.4 | 29.9 |
| 70° | 29.0 | 23.6 | 20.8 | 24.5 | 29.0 |
| 72.5° | 28.1 | 22.7 | 19.0 | 22.7 | 28.1 |
| 75° | 28.1 | 20.8 | 17.2 | 20.8 | 28.1 |
| 77.5° | 26.3 | 19.0 | 14.5 | 19.0 | 26.3 |
| 80° | 23.6 | 17.2 | 11.8 | 17.2 | 22.7 |
| 82.5° | 17.2 | 14.5 | 9.1 | 14.5 | 17.2 |
| 85° | 9.1 | 10.0 | 5.4 | 10.0 | 10.0 |
| 87.5° | 0.9 | 3.6 | 1.8 | 5.4 | 4.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)