

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: P1320890

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQPHRLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R35B2750DE010 3LSQPHRLD1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

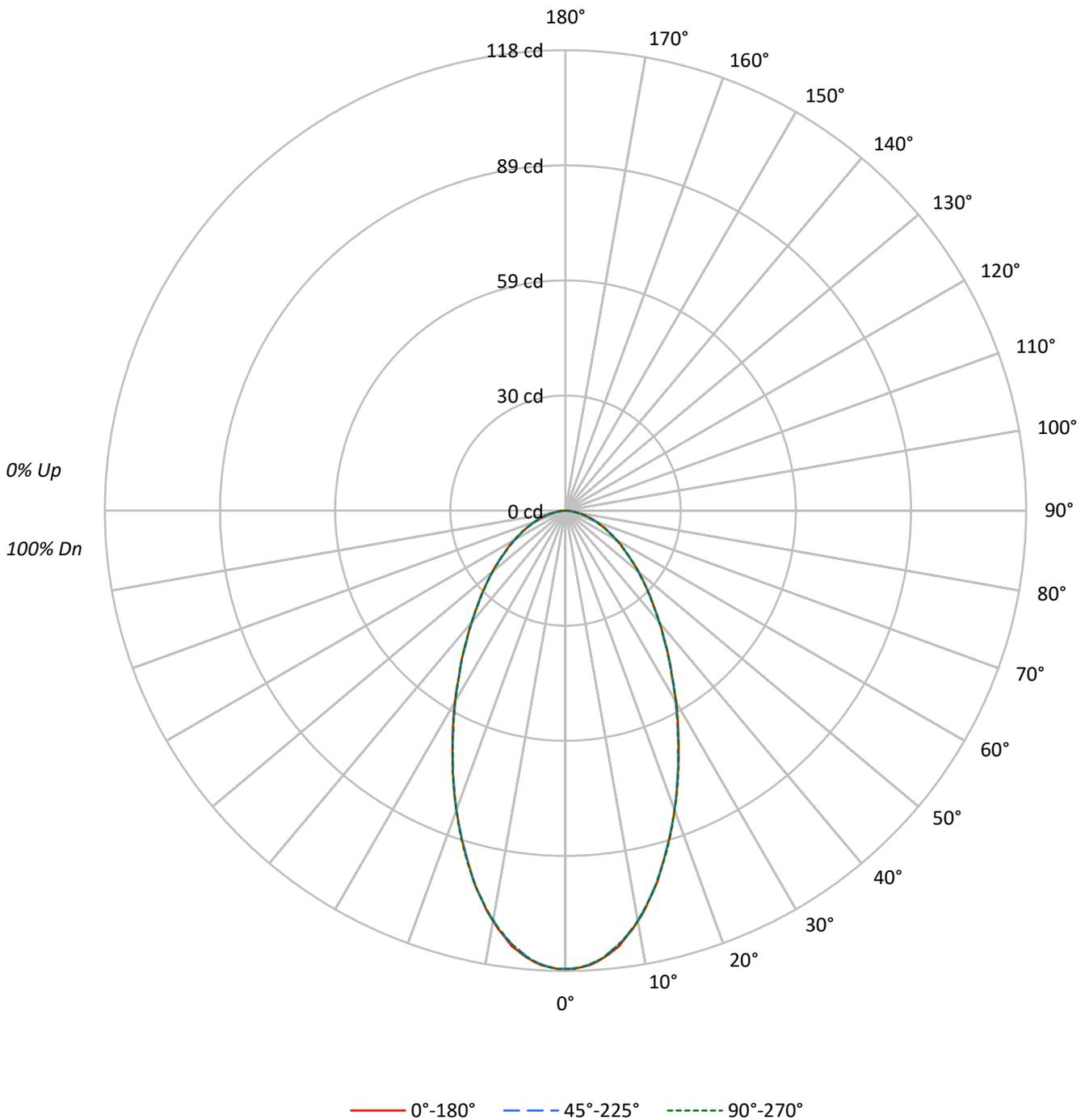
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 157.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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





TEST NUMBER: P1320890

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 77 |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 54 |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 44 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 20236 | 20236 | 20236 |
| 5° | 19864 | 19829 | 19864 |
| 10° | 18677 | 18642 | 18677 |
| 15° | 16903 | 16903 | 16938 |
| 20° | 14974 | 14974 | 14974 |
| 25° | 13017 | 12979 | 12979 |
| 30° | 11276 | 11196 | 11236 |
| 35° | 9713 | 9671 | 9713 |
| 40° | 8431 | 8386 | 8431 |
| 45° | 7404 | 7355 | 7355 |
| 50° | 6564 | 6511 | 6511 |
| 55° | 5765 | 5765 | 5765 |
| 60° | 5236 | 5167 | 5236 |
| 65° | 4686 | 4686 | 4686 |
| 70° | 4179 | 4179 | 4179 |
| 75° | 3793 | 3660 | 3793 |
| 80° | 3174 | 3174 | 3174 |
| 85° | 1976 | 1976 | 1976 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7404 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 10.7 | 6.8 |
| 10°-20° | 26.5 | 16.8 |
| 20°-30° | 31.4 | 20.0 |
| 30°-40° | 28.9 | 18.4 |
| 40°-50° | 23.5 | 14.9 |
| 50°-60° | 17.3 | 11.0 |
| 60°-70° | 11.5 | 7.3 |
| 70°-80° | 6.0 | 3.8 |
| 80°-90° | 1.3 | 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° | 68.6 | 43.7 |
| 0°-40° | 97.5 | 62.1 |
| 0°-60° | 138.2 | 88.1 |
| 0°-90° | 157.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 157.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 118 | 118 | 118 | 118 | 118 | |
| 5° | 115 | 115 | 115 | 115 | 115 | 11 |
| 15° | 95 | 95 | 95 | 95 | 95 | 26 |
| 25° | 68 | 68 | 68 | 68 | 68 | 31 |
| 35° | 46 | 46 | 46 | 46 | 46 | 29 |
| 45° | 30 | 30 | 30 | 30 | 30 | 24 |
| 55° | 19 | 19 | 19 | 19 | 19 | 17 |
| 65° | 12 | 12 | 12 | 12 | 12 | 11 |
| 75° | 6 | 6 | 6 | 6 | 6 | 6 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 117.5 | 117.5 | 117.5 | 117.5 | 117.5 |
| 1° | 117.5 | 117.3 | 117.3 | 117.3 | 117.5 |
| 2° | 117.1 | 117.1 | 117.1 | 117.1 | 117.1 |
| 3° | 116.7 | 116.5 | 116.5 | 116.5 | 116.5 |
| 4° | 115.9 | 115.7 | 115.7 | 115.7 | 115.7 |
| 5° | 114.9 | 114.7 | 114.7 | 114.7 | 114.9 |
| 6° | 113.7 | 113.5 | 113.3 | 113.3 | 113.5 |
| 7° | 112.5 | 112.0 | 112.0 | 112.0 | 112.0 |
| 8° | 110.6 | 110.4 | 110.4 | 110.4 | 110.4 |
| 9° | 108.8 | 108.4 | 108.6 | 108.6 | 108.6 |
| 10° | 106.8 | 106.6 | 106.6 | 106.6 | 106.8 |
| 11° | 104.8 | 104.6 | 104.6 | 104.4 | 104.6 |
| 12° | 102.3 | 102.3 | 102.3 | 102.3 | 102.3 |
| 13° | 100.1 | 99.9 | 99.9 | 99.9 | 100.1 |
| 14° | 97.7 | 97.5 | 97.5 | 97.5 | 97.5 |
| 15° | 94.8 | 94.8 | 94.8 | 94.8 | 95.0 |
| 17.5° | 88.3 | 88.1 | 88.3 | 88.3 | 88.5 |
| 20° | 81.7 | 81.5 | 81.7 | 81.7 | 81.7 |
| 22.5° | 75.0 | 75.0 | 74.8 | 75.0 | 75.2 |
| 25° | 68.5 | 68.3 | 68.3 | 68.5 | 68.3 |
| 27.5° | 62.4 | 62.2 | 62.2 | 62.2 | 62.2 |
| 30° | 56.7 | 56.3 | 56.3 | 56.5 | 56.5 |
| 32.5° | 50.9 | 50.9 | 51.1 | 50.9 | 50.9 |
| 35° | 46.2 | 46.0 | 46.0 | 46.2 | 46.2 |
| 37.5° | 41.5 | 41.3 | 41.3 | 41.5 | 41.5 |
| 40° | 37.5 | 37.5 | 37.3 | 37.5 | 37.5 |
| 42.5° | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 45° | 30.4 | 30.2 | 30.2 | 30.2 | 30.2 |
| 47.5° | 27.2 | 27.2 | 27.2 | 26.9 | 27.2 |
| 50° | 24.5 | 24.3 | 24.3 | 24.3 | 24.3 |
| 52.5° | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 |
| 55° | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |
| 57.5° | 17.2 | 17.0 | 17.0 | 17.0 | 17.0 |
| 60° | 15.2 | 15.2 | 15.0 | 15.2 | 15.2 |
| 62.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 65° | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| 67.5° | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 |
| 70° | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 |
| 72.5° | 7.1 | 6.9 | 6.9 | 6.9 | 6.9 |
| 75° | 5.7 | 5.7 | 5.5 | 5.7 | 5.7 |
| 77.5° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 80° | 3.2 | 3.2 | 3.2 | 3.0 | 3.2 |
| 82.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 85° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 87.5° | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |



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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)