

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: P1320858

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R35B2750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

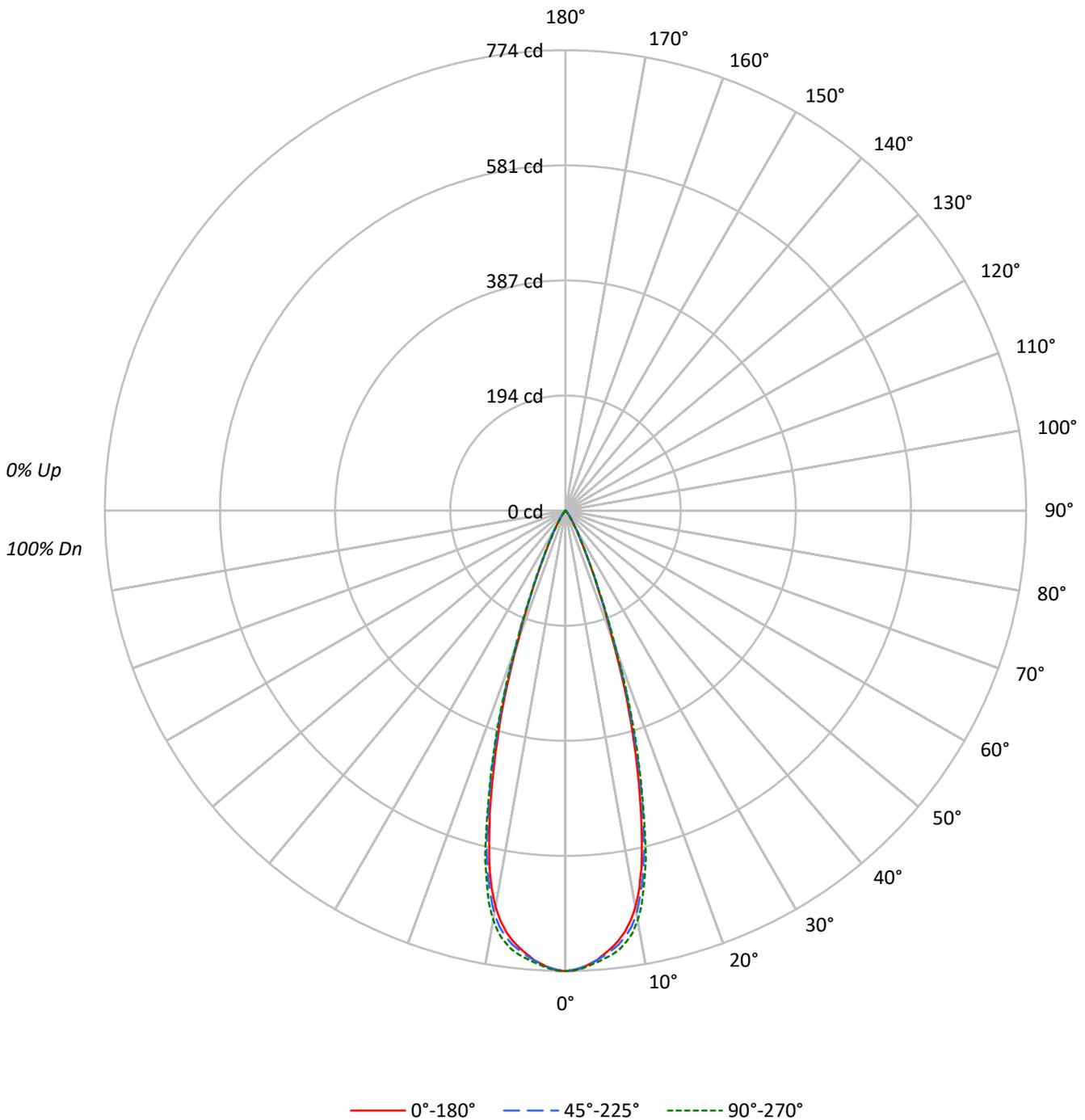
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 260.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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: P1320858

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 98 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98 | 99 | 98 | 96 | 97 | 95 | 94 | 94 | 94 | 94 | 93 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 95 | 98 | 96 | 93 | 96 | 94 | 92 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 4 | 103 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 91 | 89 | 87 | 86 |
| 5 | 100 | 94 | 90 | 86 | 99 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 89 | 86 | 84 | 83 |
| 6 | 97 | 90 | 86 | 83 | 96 | 90 | 86 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 7 | 94 | 87 | 83 | 80 | 93 | 87 | 82 | 79 | 85 | 82 | 79 | 84 | 81 | 79 | 83 | 81 | 78 | 83 | 81 | 78 | 77 |
| 8 | 91 | 84 | 80 | 77 | 90 | 84 | 80 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 76 | 75 |
| 9 | 88 | 81 | 77 | 74 | 88 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 79 | 76 | 73 | 79 | 76 | 73 | 72 |
| 10 | 86 | 79 | 75 | 72 | 85 | 78 | 74 | 72 | 78 | 74 | 71 | 77 | 74 | 71 | 76 | 73 | 71 | 76 | 73 | 71 | 70 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 133300 | 133300 | 133300 |
| 5° | 129366 | 129816 | 130698 |
| 10° | 118323 | 120387 | 122241 |
| 15° | 84941 | 88044 | 88953 |
| 20° | 42722 | 45214 | 45324 |
| 25° | 16190 | 16703 | 16779 |
| 30° | 6582 | 7537 | 6463 |
| 35° | 2397 | 3616 | 2313 |
| 40° | 1012 | 1551 | 967 |
| 45° | 244 | 633 | 244 |
| 50° | 161 | 268 | 161 |
| 55° | 180 | 180 | 180 |
| 60° | 207 | 207 | 207 |
| 65° | 163 | 163 | 163 |
| 70° | 101 | 101 | 101 |
| 75° | 133 | 133 | 133 |
| 80° | 198 | 198 | 198 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 633 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.0 | 26.9 |
| 10°-20° | 130.4 | 50.1 |
| 20°-30° | 46.9 | 18.0 |
| 30°-40° | 9.9 | 3.8 |
| 40°-50° | 1.7 | 0.6 |
| 50°-60° | 0.5 | 0.2 |
| 60°-70° | 0.4 | 0.2 |
| 70°-80° | 0.2 | 0.1 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 247.2 | 95.1 |
| 0°-40° | 257.1 | 98.9 |
| 0°-60° | 259.3 | 99.8 |
| 0°-90° | 260.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 260.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 774 | 774 | 774 | 774 | 774 | |
| 5° | 748 | 750 | 751 | 756 | 756 | 69 |
| 15° | 476 | 485 | 494 | 499 | 499 | 127 |
| 25° | 85 | 86 | 88 | 89 | 88 | 45 |
| 35° | 11 | 13 | 17 | 13 | 11 | 9 |
| 45° | 1 | 2 | 3 | 2 | 1 | 1 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1320858

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 774.0 | 774.0 | 774.0 | 774.0 | 774.0 |
| 1° | 773.6 | 773.6 | 772.0 | 773.8 | 773.2 |
| 2° | 769.4 | 769.8 | 768.7 | 771.0 | 770.8 |
| 3° | 763.5 | 764.5 | 763.7 | 766.9 | 765.9 |
| 4° | 757.2 | 758.0 | 757.6 | 761.6 | 761.2 |
| 5° | 748.3 | 749.7 | 750.9 | 756.0 | 756.0 |
| 6° | 739.1 | 740.5 | 743.2 | 748.7 | 750.5 |
| 7° | 728.6 | 730.4 | 734.7 | 742.0 | 743.2 |
| 8° | 715.2 | 717.2 | 723.1 | 731.0 | 732.6 |
| 9° | 698.5 | 701.6 | 708.3 | 717.8 | 718.8 |
| 10° | 676.6 | 679.1 | 688.4 | 696.3 | 699.0 |
| 11° | 648.2 | 650.3 | 658.6 | 671.4 | 673.0 |
| 12° | 613.7 | 616.2 | 626.9 | 635.2 | 636.9 |
| 13° | 570.1 | 574.8 | 587.8 | 595.9 | 600.4 |
| 14° | 525.3 | 531.6 | 540.9 | 552.5 | 549.6 |
| 15° | 476.4 | 484.7 | 493.8 | 499.1 | 498.9 |
| 17.5° | 356.5 | 361.3 | 369.5 | 372.5 | 376.6 |
| 20° | 233.1 | 239.4 | 246.7 | 249.6 | 247.3 |
| 22.5° | 144.7 | 146.3 | 148.5 | 149.7 | 149.3 |
| 25° | 85.2 | 86.4 | 87.9 | 88.7 | 88.3 |
| 27.5° | 51.3 | 54.2 | 56.2 | 53.8 | 52.3 |
| 30° | 33.1 | 34.3 | 37.9 | 34.7 | 32.5 |
| 32.5° | 19.7 | 22.5 | 25.6 | 21.7 | 18.9 |
| 35° | 11.4 | 13.4 | 17.2 | 13.2 | 11.0 |
| 37.5° | 7.3 | 8.3 | 11.2 | 8.1 | 7.1 |
| 40° | 4.5 | 5.7 | 6.9 | 5.3 | 4.3 |
| 42.5° | 2.2 | 3.4 | 4.1 | 3.0 | 2.2 |
| 45° | 1.0 | 1.6 | 2.6 | 1.6 | 1.0 |
| 47.5° | 0.6 | 0.8 | 1.6 | 0.8 | 0.6 |
| 50° | 0.6 | 0.6 | 1.0 | 0.6 | 0.6 |
| 52.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 55° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 57.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 60° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 62.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 65° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 67.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 82.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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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)