

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: P1320777

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHR1MB_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHR1MB_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

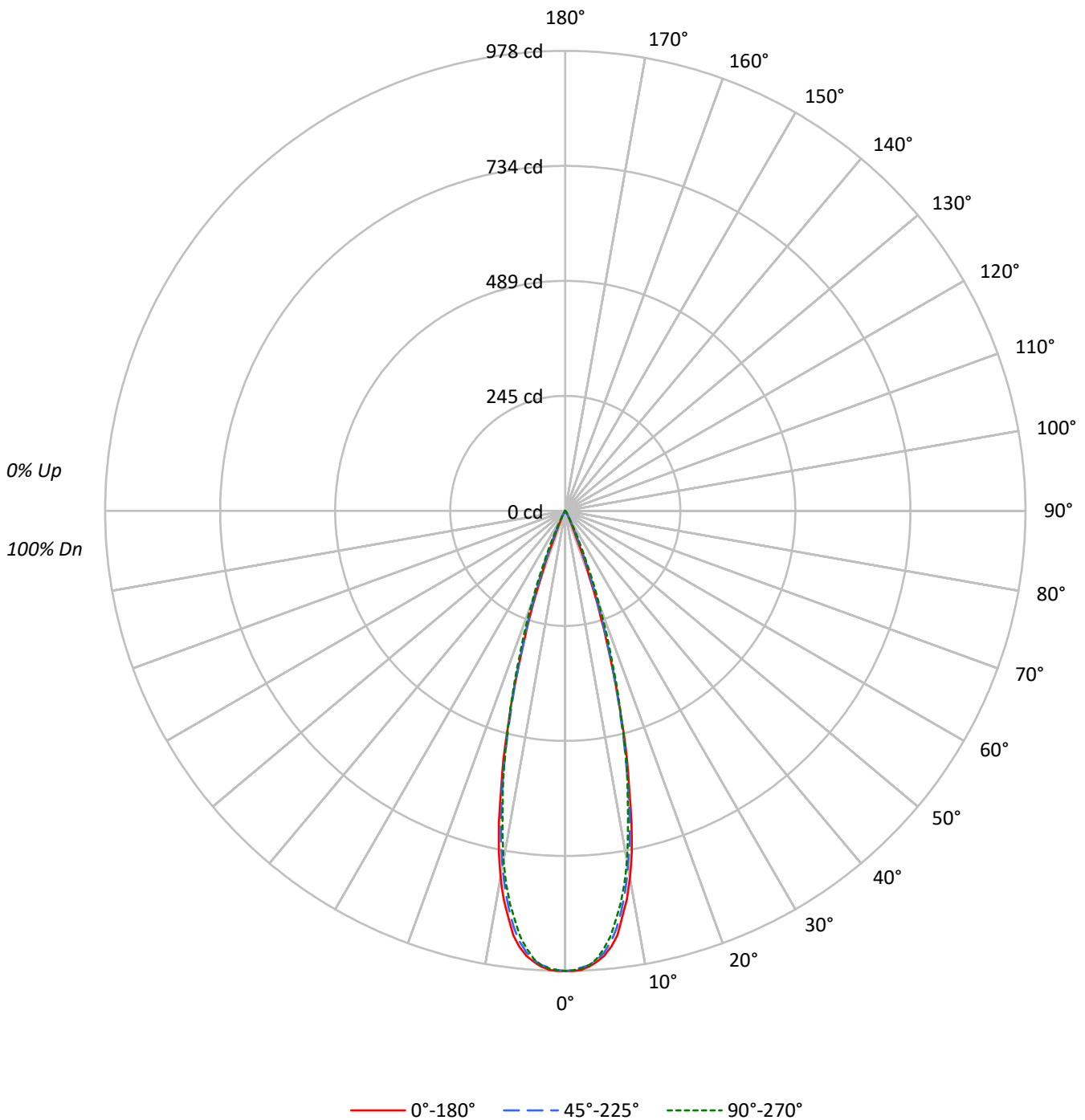
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
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: P1320777

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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 | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 5 | 102 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 91 | 89 | 93 | 90 | 88 | 92 | 89 | 88 | 92 | 89 | 88 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 7 | 97 | 91 | 87 | 84 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 88 | 86 | 83 | 88 | 85 | 83 | 88 | 85 | 83 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 9 | 92 | 86 | 82 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 10 | 90 | 84 | 80 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 168451 | 168451 | 168451 |
| 5° | 164115 | 162992 | 161643 |
| 10° | 138505 | 134255 | 132069 |
| 15° | 83461 | 81126 | 82623 |
| 20° | 28316 | 32696 | 37718 |
| 25° | 5207 | 8152 | 9634 |
| 30° | 1790 | 1989 | 2227 |
| 35° | 526 | 652 | 694 |
| 40° | 135 | 225 | 180 |
| 45° | 49 | 49 | 49 |
| 50° | 54 | 0 | 54 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 57 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.6 | 35.7 |
| 10°-20° | 123.6 | 52.2 |
| 20°-30° | 26.2 | 11.0 |
| 30°-40° | 2.4 | 1.0 |
| 40°-50° | 0.2 | 0.1 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 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° | 234.3 | 98.9 |
| 0°-40° | 236.7 | 99.9 |
| 0°-60° | 237.0 | 100.0 |
| 0°-90° | 237.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 237.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 978 | 978 | 978 | 978 | 978 | |
| 5° | 949 | 948 | 943 | 940 | 935 | 86 |
| 15° | 468 | 466 | 455 | 466 | 463 | 123 |
| 25° | 27 | 31 | 43 | 50 | 51 | 20 |
| 35° | 2 | 3 | 3 | 4 | 3 | 2 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |



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|-------|-------|-------|-------|-------|-------|
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| 1° | 978.3 | 977.3 | 975.9 | 977.9 | 976.5 |
| 2° | 976.3 | 973.8 | 971.8 | 973.8 | 973.2 |
| 3° | 970.1 | 968.1 | 966.7 | 967.7 | 967.7 |
| 4° | 960.9 | 958.7 | 957.5 | 957.7 | 954.6 |
| 5° | 949.3 | 947.5 | 942.8 | 939.9 | 935.0 |
| 6° | 932.1 | 927.6 | 921.9 | 917.2 | 910.9 |
| 7° | 908.8 | 901.9 | 893.7 | 885.5 | 877.6 |
| 8° | 871.5 | 868.2 | 857.1 | 851.6 | 843.7 |
| 9° | 836.3 | 828.3 | 816.5 | 807.5 | 803.2 |
| 10° | 792.0 | 780.1 | 767.7 | 760.5 | 755.2 |
| 11° | 739.5 | 727.4 | 717.4 | 707.0 | 698.8 |
| 12° | 677.7 | 667.5 | 656.1 | 649.1 | 639.5 |
| 13° | 604.6 | 603.2 | 590.3 | 588.1 | 586.8 |
| 14° | 541.9 | 536.2 | 523.5 | 527.0 | 527.8 |
| 15° | 468.1 | 466.5 | 455.0 | 465.7 | 463.4 |
| 17.5° | 293.2 | 293.8 | 301.0 | 317.7 | 323.0 |
| 20° | 154.5 | 159.2 | 178.4 | 198.6 | 205.8 |
| 22.5° | 62.5 | 72.9 | 92.6 | 106.2 | 115.4 |
| 25° | 27.4 | 30.6 | 42.9 | 50.5 | 50.7 |
| 27.5° | 15.5 | 15.7 | 20.6 | 21.5 | 21.9 |
| 30° | 9.0 | 9.2 | 10.0 | 10.6 | 11.2 |
| 32.5° | 4.9 | 5.3 | 5.5 | 6.3 | 6.3 |
| 35° | 2.5 | 3.1 | 3.1 | 3.7 | 3.3 |
| 37.5° | 1.4 | 1.6 | 1.8 | 1.8 | 1.6 |
| 40° | 0.6 | 0.8 | 1.0 | 1.0 | 0.8 |
| 42.5° | 0.2 | 0.4 | 0.4 | 0.4 | 0.6 |
| 45° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 47.5° | 0.2 | 0.2 | 0.0 | 0.2 | 0.2 |
| 50° | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 |
| 52.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 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)