

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: P1321079

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

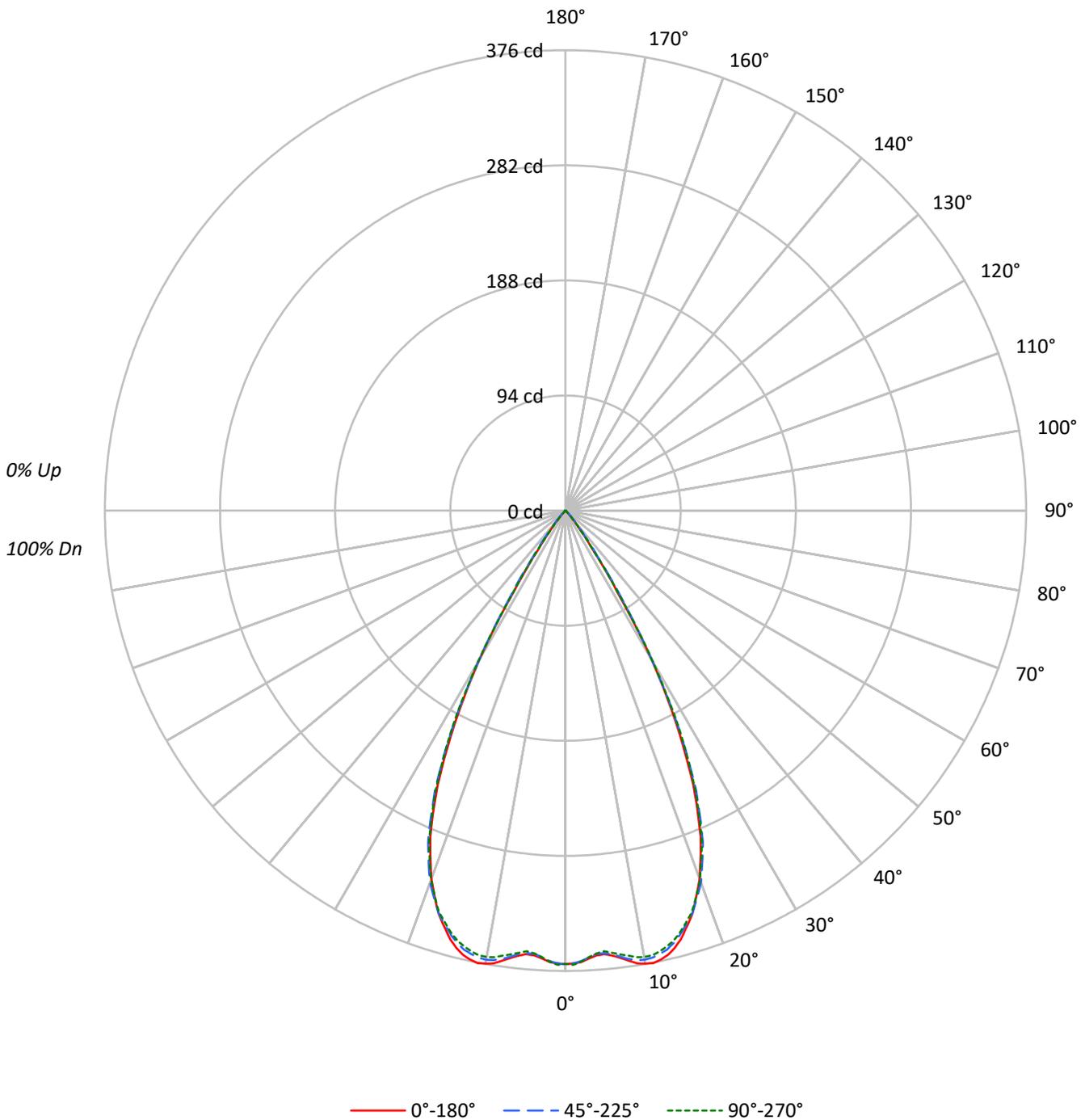
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 283.9 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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: P1321079

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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 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 79 |
| 5 | 95 | 88 | 82 | 79 | 94 | 87 | 82 | 78 | 85 | 81 | 78 | 83 | 80 | 77 | 82 | 79 | 76 | 76 | 76 | 76 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 74 | 81 | 76 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 72 | 72 | 72 | 71 |
| 7 | 87 | 79 | 73 | 70 | 86 | 78 | 73 | 69 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 68 | 68 | 68 | 67 |
| 8 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 71 | 68 | 65 | 65 | 65 | 65 | 64 |
| 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 61 | 61 | 61 | 61 | 60 |
| 10 | 77 | 68 | 62 | 59 | 76 | 67 | 62 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 65 | 61 | 58 | 58 | 58 | 58 | 57 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 63774 | 63774 | 63774 |
| 5° | 62859 | 62756 | 62462 |
| 10° | 65702 | 65143 | 64723 |
| 15° | 64687 | 64098 | 63831 |
| 20° | 58648 | 59253 | 58813 |
| 25° | 46899 | 47887 | 47431 |
| 30° | 28120 | 28120 | 28478 |
| 35° | 8136 | 9629 | 8389 |
| 40° | 2338 | 3147 | 2338 |
| 45° | 536 | 1218 | 536 |
| 50° | 241 | 402 | 161 |
| 55° | 180 | 180 | 180 |
| 60° | 207 | 207 | 207 |
| 65° | 163 | 163 | 163 |
| 70° | 201 | 201 | 201 |
| 75° | 133 | 133 | 133 |
| 80° | 198 | 198 | 198 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1218 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.1 | 12.4 |
| 10°-20° | 100.1 | 35.3 |
| 20°-30° | 110.3 | 38.8 |
| 30°-40° | 33.7 | 11.9 |
| 40°-50° | 3.3 | 1.2 |
| 50°-60° | 0.6 | 0.2 |
| 60°-70° | 0.5 | 0.2 |
| 70°-80° | 0.3 | 0.1 |
| 80°-90° | 0.1 | 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° | 245.5 | 86.5 |
| 0°-40° | 279.2 | 98.3 |
| 0°-60° | 283.1 | 99.7 |
| 0°-90° | 283.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 283.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 370 | 370 | 370 | 370 | 370 | |
| 5° | 364 | 364 | 363 | 362 | 361 | 35 |
| 15° | 363 | 362 | 360 | 358 | 358 | 101 |
| 25° | 247 | 249 | 252 | 254 | 250 | 109 |
| 35° | 39 | 41 | 46 | 42 | 40 | 32 |
| 45° | 2 | 3 | 5 | 3 | 2 | 3 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 |
| 1° | 369.9 | 370.1 | 369.9 | 369.5 | 371.0 |
| 2° | 369.0 | 368.8 | 368.2 | 368.0 | 368.6 |
| 3° | 366.2 | 366.2 | 365.4 | 364.9 | 365.2 |
| 4° | 364.1 | 364.1 | 362.8 | 362.4 | 362.6 |
| 5° | 363.6 | 363.6 | 363.0 | 361.9 | 361.3 |
| 6° | 365.4 | 365.8 | 364.3 | 363.2 | 363.2 |
| 7° | 368.0 | 368.2 | 367.1 | 365.6 | 365.2 |
| 8° | 371.2 | 371.4 | 369.7 | 368.0 | 367.1 |
| 9° | 374.4 | 374.0 | 371.6 | 369.9 | 369.3 |
| 10° | 375.7 | 375.5 | 372.5 | 370.8 | 370.1 |
| 11° | 376.4 | 375.3 | 371.9 | 370.3 | 370.1 |
| 12° | 374.9 | 374.0 | 370.3 | 368.8 | 368.2 |
| 13° | 372.3 | 371.0 | 368.0 | 366.5 | 365.6 |
| 14° | 368.2 | 366.9 | 364.1 | 362.4 | 362.6 |
| 15° | 362.8 | 362.1 | 359.5 | 358.0 | 358.0 |
| 17.5° | 344.9 | 345.3 | 344.6 | 344.0 | 343.6 |
| 20° | 320.0 | 321.8 | 323.3 | 322.4 | 320.9 |
| 22.5° | 288.3 | 291.3 | 293.0 | 293.5 | 290.7 |
| 25° | 246.8 | 249.2 | 252.0 | 254.4 | 249.6 |
| 27.5° | 195.2 | 197.4 | 200.0 | 201.5 | 200.8 |
| 30° | 141.4 | 141.7 | 141.4 | 144.3 | 143.2 |
| 32.5° | 78.6 | 85.1 | 86.2 | 88.1 | 81.2 |
| 35° | 38.7 | 40.6 | 45.8 | 42.1 | 39.9 |
| 37.5° | 18.6 | 19.9 | 24.8 | 20.3 | 19.4 |
| 40° | 10.4 | 11.2 | 14.0 | 11.7 | 10.4 |
| 42.5° | 5.0 | 6.5 | 7.6 | 6.7 | 5.0 |
| 45° | 2.2 | 3.2 | 5.0 | 3.2 | 2.2 |
| 47.5° | 0.9 | 1.3 | 3.0 | 1.3 | 0.9 |
| 50° | 0.9 | 0.6 | 1.5 | 0.6 | 0.6 |
| 52.5° | 0.6 | 0.6 | 0.9 | 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 | 0.6 | 0.6 | 0.6 | 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° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 72.5° | 0.2 | 0.4 | 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 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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)