

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: P1320688

Luminaire Tested: LDSQA3D02R25B2750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R25B2750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

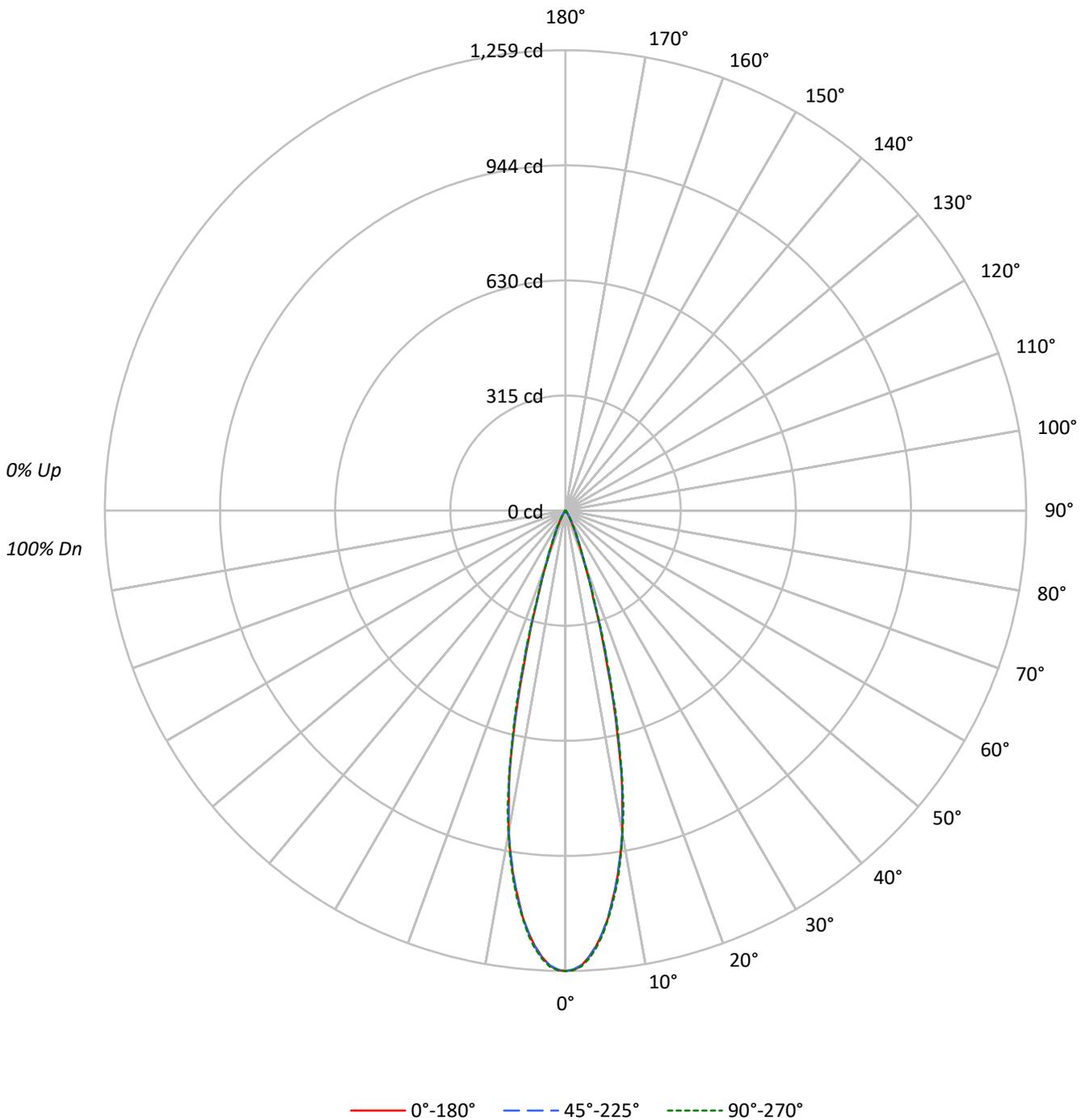
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
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: P1320688

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 216846 | 216846 | 216846 |
| 5° | 200299 | 200230 | 201354 |
| 10° | 156465 | 156045 | 157094 |
| 15° | 78719 | 81999 | 81928 |
| 20° | 26941 | 27675 | 27235 |
| 25° | 10832 | 12181 | 11288 |
| 30° | 4395 | 5250 | 4276 |
| 35° | 1282 | 2292 | 1282 |
| 40° | 585 | 1012 | 585 |
| 45° | 195 | 390 | 195 |
| 50° | 107 | 161 | 107 |
| 55° | 120 | 120 | 120 |
| 60° | 138 | 138 | 138 |
| 65° | 82 | 82 | 82 |
| 70° | 101 | 101 | 101 |
| 75° | 133 | 133 | 133 |
| 80° | 0 | 198 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 102.2 | 38.4 |
| 10°-20° | 125.0 | 47.0 |
| 20°-30° | 30.5 | 11.5 |
| 30°-40° | 6.3 | 2.4 |
| 40°-50° | 1.1 | 0.4 |
| 50°-60° | 0.4 | 0.1 |
| 60°-70° | 0.3 | 0.1 |
| 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° | 257.7 | 96.9 |
| 0°-40° | 264.0 | 99.3 |
| 0°-60° | 265.5 | 99.8 |
| 0°-90° | 266.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 266.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1259 | 1259 | 1259 | 1259 | 1259 | |
| 5° | 1159 | 1160 | 1158 | 1161 | 1165 | 102 |
| 15° | 442 | 449 | 460 | 462 | 460 | 123 |
| 25° | 57 | 60 | 64 | 60 | 59 | 29 |
| 35° | 6 | 8 | 11 | 8 | 6 | 5 |
| 45° | 1 | 1 | 2 | 1 | 1 | 1 |
| 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 |



TEST NUMBER: P1320688

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1259.1 | 1259.1 | 1259.1 | 1259.1 | 1259.1 |
| 1° | 1256.7 | 1255.1 | 1254.7 | 1254.9 | 1256.9 |
| 2° | 1245.4 | 1244.3 | 1244.1 | 1244.7 | 1247.6 |
| 3° | 1222.2 | 1223.5 | 1223.9 | 1225.9 | 1227.3 |
| 4° | 1193.9 | 1196.3 | 1195.3 | 1197.7 | 1199.3 |
| 5° | 1158.6 | 1159.6 | 1158.2 | 1160.6 | 1164.7 |
| 6° | 1117.5 | 1113.8 | 1117.3 | 1118.3 | 1121.1 |
| 7° | 1066.2 | 1067.0 | 1068.2 | 1069.4 | 1073.7 |
| 8° | 1015.7 | 1013.3 | 1012.7 | 1018.3 | 1021.8 |
| 9° | 956.7 | 957.1 | 954.9 | 961.4 | 962.4 |
| 10° | 894.7 | 889.6 | 892.3 | 897.3 | 898.3 |
| 11° | 812.8 | 811.4 | 815.2 | 823.1 | 829.4 |
| 12° | 736.0 | 736.8 | 740.8 | 743.5 | 742.1 |
| 13° | 634.4 | 640.5 | 645.6 | 648.2 | 644.8 |
| 14° | 542.6 | 542.6 | 549.1 | 550.1 | 562.5 |
| 15° | 441.5 | 449.0 | 459.9 | 461.9 | 459.5 |
| 17.5° | 255.0 | 256.0 | 261.3 | 261.1 | 264.9 |
| 20° | 147.0 | 148.4 | 151.0 | 150.4 | 148.6 |
| 22.5° | 88.4 | 91.4 | 97.7 | 92.6 | 91.2 |
| 25° | 57.0 | 59.6 | 64.1 | 60.4 | 59.4 |
| 27.5° | 35.7 | 37.5 | 40.9 | 37.7 | 36.1 |
| 30° | 22.1 | 23.1 | 26.4 | 23.3 | 21.5 |
| 32.5° | 12.0 | 14.6 | 17.2 | 14.6 | 12.0 |
| 35° | 6.1 | 8.5 | 10.9 | 8.3 | 6.1 |
| 37.5° | 4.1 | 4.9 | 7.1 | 4.7 | 4.1 |
| 40° | 2.6 | 3.2 | 4.5 | 3.2 | 2.6 |
| 42.5° | 1.4 | 2.0 | 2.4 | 2.2 | 1.4 |
| 45° | 0.8 | 1.2 | 1.6 | 1.2 | 0.8 |
| 47.5° | 0.6 | 0.6 | 1.0 | 0.6 | 0.4 |
| 50° | 0.4 | 0.4 | 0.6 | 0.4 | 0.4 |
| 52.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 55° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 57.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 60° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 62.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 65° | 0.2 | 0.4 | 0.2 | 0.2 | 0.2 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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° | 0.0 | 0.0 | 0.2 | 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)