

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: P736025

Luminaire Tested: LD6D15D010-EU6DR1515309035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P736025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1515309035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1402.4 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.35')
CIE Type: Direct

Input Watts (W): 15.8
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

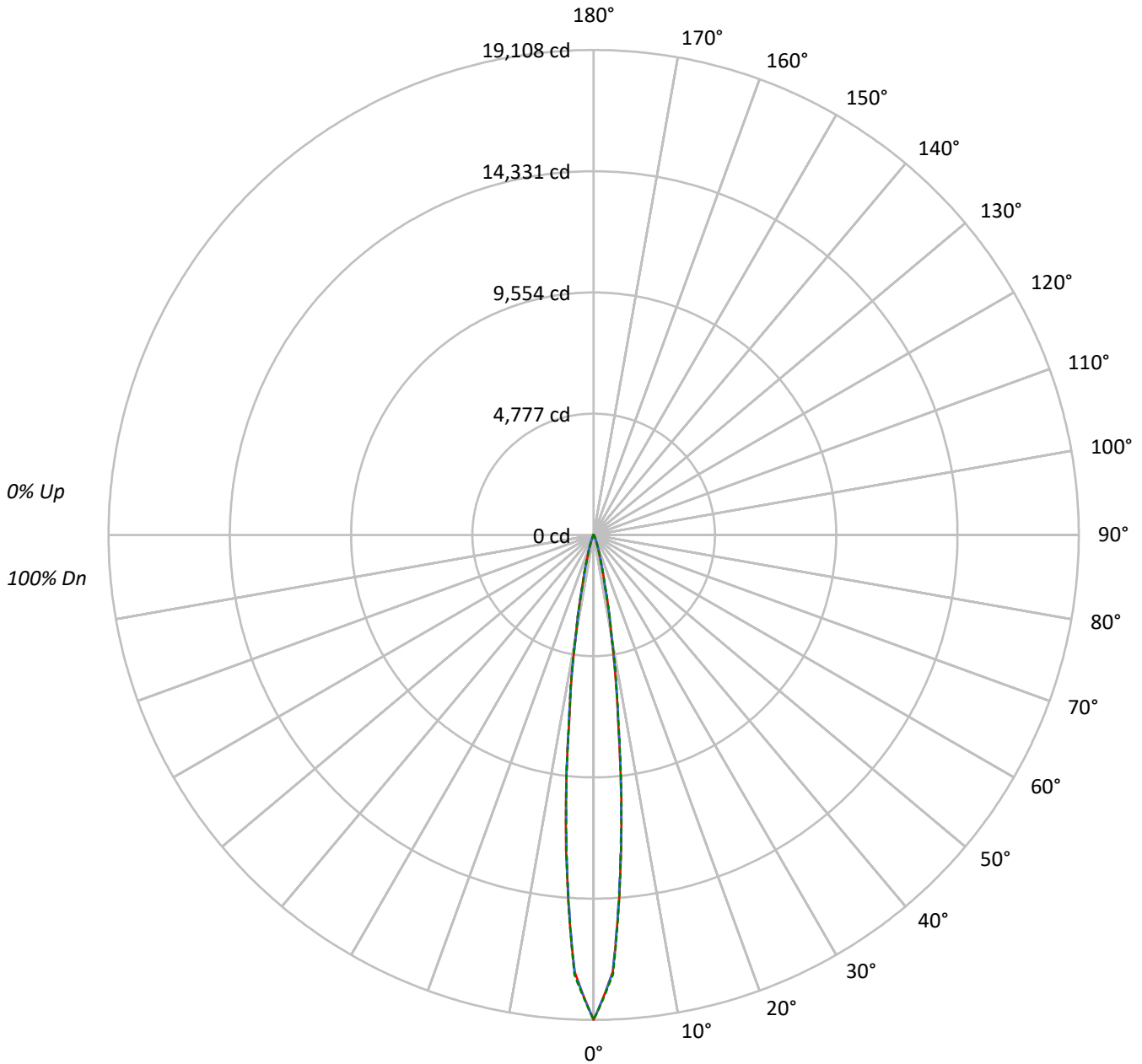


Downlight



TEST NUMBER: P736025
CATALOG NUMBER: LD6D15D010-EU6DR1515309035-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P736025

CATALOG NUMBER: LD6D15D010-EU6DR1515309035-6LBCSSQMW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 100 | | | | | | | | | | | | | | | | | | | |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98 | | | | | | | | | | | | | | | | | | | |
| 2 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 | 102 | 101 | 100 | 100 | 98 | 98 | 96 | | | | | | | | | | | | | | | | | | | |
| 3 | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99 | 100 | 99 | 97 | 98 | 97 | 96 | 94 | | | | | | | | | | | | | | | | | | | |
| 4 | 108 | 103 | 100 | 98 | 106 | 102 | 99 | 97 | 100 | 98 | 96 | 99 | 97 | 95 | 97 | 95 | 94 | 93 | | | | | | | | | | | | | | | | | | | |
| 5 | 106 | 101 | 98 | 95 | 104 | 100 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 92 | | | | | | | | | | | | | | | | | | | |
| 6 | 104 | 99 | 95 | 93 | 102 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 90 | | | | | | | | | | | | | | | | | | | |
| 7 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | | | | | | | | | | | | | | | | | | | |
| 8 | 100 | 95 | 92 | 90 | 99 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | 88 | | | | | | | | | | | | | | | | | | | |
| 9 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 89 | 88 | 91 | 89 | 88 | 87 | | | | | | | | | | | | | | | | | | | |
| 10 | 97 | 92 | 89 | 87 | 96 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 86 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 822690 | 822690 | 822690 |
| 5° | 506385 | 488189 | 503782 |
| 10° | 157319 | 151541 | 160845 |
| 15° | 40552 | 38808 | 40064 |
| 20° | 12532 | 13389 | 12799 |
| 25° | 4552 | 5264 | 4609 |
| 30° | 1719 | 2024 | 1747 |
| 35° | 886 | 880 | 858 |
| 40° | 574 | 547 | 574 |
| 45° | 434 | 395 | 434 |
| 50° | 355 | 299 | 355 |
| 55° | 304 | 252 | 304 |
| 60° | 253 | 207 | 253 |
| 65° | 200 | 160 | 200 |
| 70° | 173 | 136 | 173 |
| 75° | 111 | 85 | 148 |
| 80° | 80 | 60 | 80 |
| 85° | 44 | 32 | 44 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 434 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 909.6 | 64.9 |
| 10°-20° | 374.1 | 26.7 |
| 20°-30° | 74.3 | 5.3 |
| 30°-40° | 18.5 | 1.3 |
| 40°-50° | 9.7 | 0.7 |
| 50°-60° | 7.2 | 0.5 |
| 60°-70° | 5.1 | 0.4 |
| 70°-80° | 2.9 | 0.2 |
| 80°-90° | 0.9 | 0.1 |
| 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° | 1358.0 | 96.8 |
| 0°-40° | 1376.5 | 98.2 |
| 0°-60° | 1393.5 | 99.4 |
| 0°-90° | 1402.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1402.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 19108 | 19108 | 19108 | 19108 | 19108 | |
| 5° | 12432 | 12304 | 12271 | 12356 | 12368 | 908 |
| 15° | 1080 | 1100 | 1101 | 1082 | 1067 | 370 |
| 25° | 127 | 144 | 162 | 143 | 129 | 67 |
| 35° | 25 | 27 | 28 | 27 | 24 | 17 |
| 45° | 12 | 12 | 13 | 12 | 12 | 9 |
| 55° | 8 | 8 | 8 | 8 | 8 | 7 |
| 65° | 5 | 5 | 5 | 5 | 5 | 5 |
| 75° | 2 | 2 | 2 | 2 | 3 | 3 |
| 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° | 19107.6 | 19107.6 | 19107.6 | 19107.6 | 19107.6 |
| 2.5° | 17235.9 | 17250.4 | 17256.1 | 17273.1 | 17336.2 |
| 5° | 12431.9 | 12304.1 | 12270.9 | 12355.8 | 12368.0 |
| 7.5° | 7364.2 | 7390.0 | 7484.7 | 7505.7 | 7429.7 |
| 10° | 4041.2 | 4074.4 | 4069.5 | 4098.7 | 4131.8 |
| 12.5° | 2066.7 | 2040.8 | 2032.7 | 2065.9 | 2019.8 |
| 15° | 1079.9 | 1100.1 | 1100.9 | 1081.5 | 1066.9 |
| 17.5° | 580.8 | 604.2 | 643.1 | 611.5 | 563.0 |
| 20° | 343.0 | 364.0 | 397.2 | 371.3 | 350.3 |
| 22.5° | 211.9 | 228.9 | 252.4 | 232.2 | 215.2 |
| 25° | 127.0 | 144.0 | 161.8 | 143.2 | 128.6 |
| 27.5° | 75.2 | 89.8 | 101.1 | 89.0 | 74.4 |
| 30° | 48.5 | 56.6 | 63.9 | 55.8 | 49.3 |
| 32.5° | 34.0 | 37.2 | 40.4 | 37.2 | 34.0 |
| 35° | 25.1 | 26.7 | 28.3 | 26.7 | 24.3 |
| 37.5° | 19.4 | 21.0 | 21.8 | 20.2 | 18.6 |
| 40° | 16.2 | 17.0 | 17.8 | 17.0 | 16.2 |
| 42.5° | 13.8 | 14.6 | 14.6 | 14.6 | 13.8 |
| 45° | 12.1 | 12.1 | 12.9 | 12.1 | 12.1 |
| 47.5° | 10.5 | 10.5 | 11.3 | 10.5 | 10.5 |
| 50° | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 |
| 52.5° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 55° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 57.5° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| 60° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 62.5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 65° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 67.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 70° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 72.5° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 75° | 2.4 | 2.4 | 2.4 | 2.4 | 3.2 |
| 77.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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