

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: P761951

Luminaire Tested: LD6D20D010-EU6DR1515309030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761951
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: LD6D20D010-EU6DR1515309030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1824.2 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 23.1
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



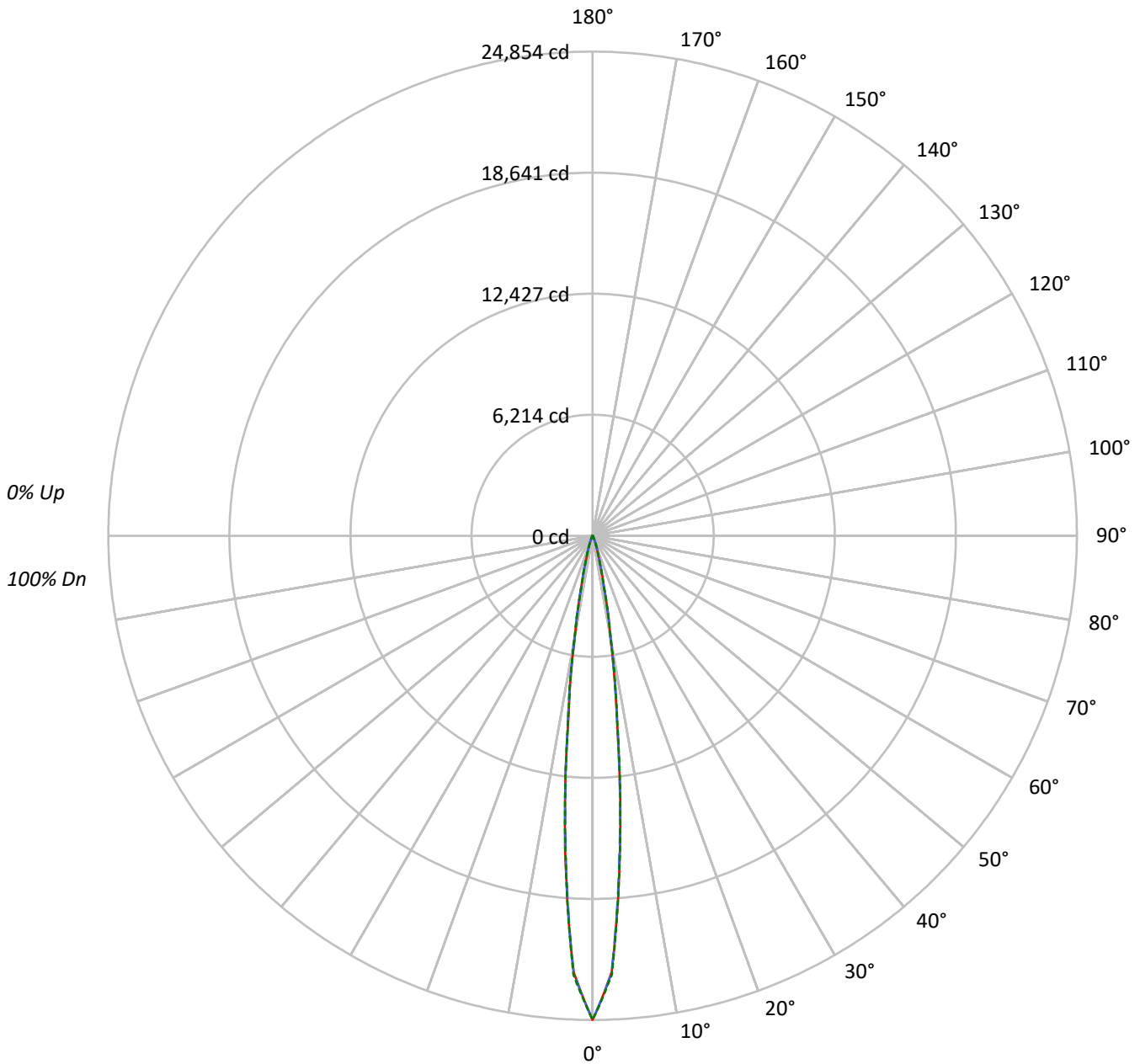
Downlight



TEST NUMBER: P761951

CATALOG NUMBER: LD6D20D010-EU6DR1515309030-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P761951

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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 | 87 | 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° | 2796571 | 2796571 | 2796571 |
| 5° | 1643400 | 1622119 | 1634945 |
| 10° | 490481 | 493914 | 501472 |
| 15° | 121999 | 124379 | 120540 |
| 20° | 36501 | 42270 | 37278 |
| 25° | 12869 | 16390 | 13033 |
| 30° | 4725 | 6223 | 4807 |
| 35° | 2367 | 2672 | 2295 |
| 40° | 1491 | 1640 | 1491 |
| 45° | 1106 | 1176 | 1106 |
| 50° | 876 | 876 | 876 |
| 55° | 731 | 731 | 731 |
| 60° | 590 | 590 | 590 |
| 65° | 450 | 450 | 450 |
| 70° | 388 | 388 | 388 |
| 75° | 242 | 242 | 317 |
| 80° | 166 | 166 | 166 |
| 85° | 91 | 91 | 91 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1176 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1183.1 | 64.9 |
| 10°-20° | 486.6 | 26.7 |
| 20°-30° | 96.7 | 5.3 |
| 30°-40° | 24.1 | 1.3 |
| 40°-50° | 12.7 | 0.7 |
| 50°-60° | 9.4 | 0.5 |
| 60°-70° | 6.6 | 0.4 |
| 70°-80° | 3.8 | 0.2 |
| 80°-90° | 1.2 | 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° | 1766.4 | 96.8 |
| 0°-40° | 1790.5 | 98.2 |
| 0°-60° | 1812.6 | 99.4 |
| 0°-90° | 1824.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1824.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 24854 | 24854 | 24854 | 24854 | 24854 | |
| 5° | 16171 | 16004 | 15961 | 16072 | 16087 | 1181 |
| 15° | 1405 | 1431 | 1432 | 1407 | 1388 | 482 |
| 25° | 165 | 187 | 210 | 186 | 167 | 87 |
| 35° | 33 | 35 | 37 | 35 | 32 | 22 |
| 45° | 16 | 16 | 17 | 16 | 16 | 12 |
| 55° | 10 | 10 | 10 | 10 | 10 | 9 |
| 65° | 6 | 6 | 6 | 6 | 6 | 7 |
| 75° | 3 | 3 | 3 | 3 | 4 | 4 |
| 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° | 24854.0 | 24854.0 | 24854.0 | 24854.0 | 24854.0 |
| 2.5° | 22419.3 | 22438.2 | 22445.6 | 22467.7 | 22549.8 |
| 5° | 16170.6 | 16004.3 | 15961.2 | 16071.7 | 16087.4 |
| 7.5° | 9578.8 | 9612.5 | 9735.6 | 9762.9 | 9664.0 |
| 10° | 5256.6 | 5299.7 | 5293.4 | 5331.3 | 5374.4 |
| 12.5° | 2688.3 | 2654.6 | 2644.1 | 2687.2 | 2627.2 |
| 15° | 1404.6 | 1430.9 | 1432.0 | 1406.7 | 1387.8 |
| 17.5° | 755.4 | 786.0 | 836.5 | 795.4 | 732.3 |
| 20° | 446.1 | 473.5 | 516.6 | 482.9 | 455.6 |
| 22.5° | 275.7 | 297.8 | 328.3 | 302.0 | 279.9 |
| 25° | 165.2 | 187.3 | 210.4 | 186.2 | 167.3 |
| 27.5° | 97.9 | 116.8 | 131.5 | 115.7 | 96.8 |
| 30° | 63.1 | 73.7 | 83.1 | 72.6 | 64.2 |
| 32.5° | 44.2 | 48.4 | 52.6 | 48.4 | 44.2 |
| 35° | 32.6 | 34.7 | 36.8 | 34.7 | 31.6 |
| 37.5° | 25.3 | 27.4 | 28.4 | 26.3 | 24.2 |
| 40° | 21.0 | 22.1 | 23.1 | 22.1 | 21.0 |
| 42.5° | 17.9 | 18.9 | 18.9 | 18.9 | 17.9 |
| 45° | 15.8 | 15.8 | 16.8 | 15.8 | 15.8 |
| 47.5° | 13.7 | 13.7 | 14.7 | 13.7 | 13.7 |
| 50° | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| 52.5° | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 |
| 55° | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 57.5° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 60° | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 |
| 62.5° | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| 65° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 67.5° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 70° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 72.5° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 75° | 3.2 | 3.2 | 3.2 | 3.2 | 4.2 |
| 77.5° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 80° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 82.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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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