

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: P760192

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR300210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1065.7 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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



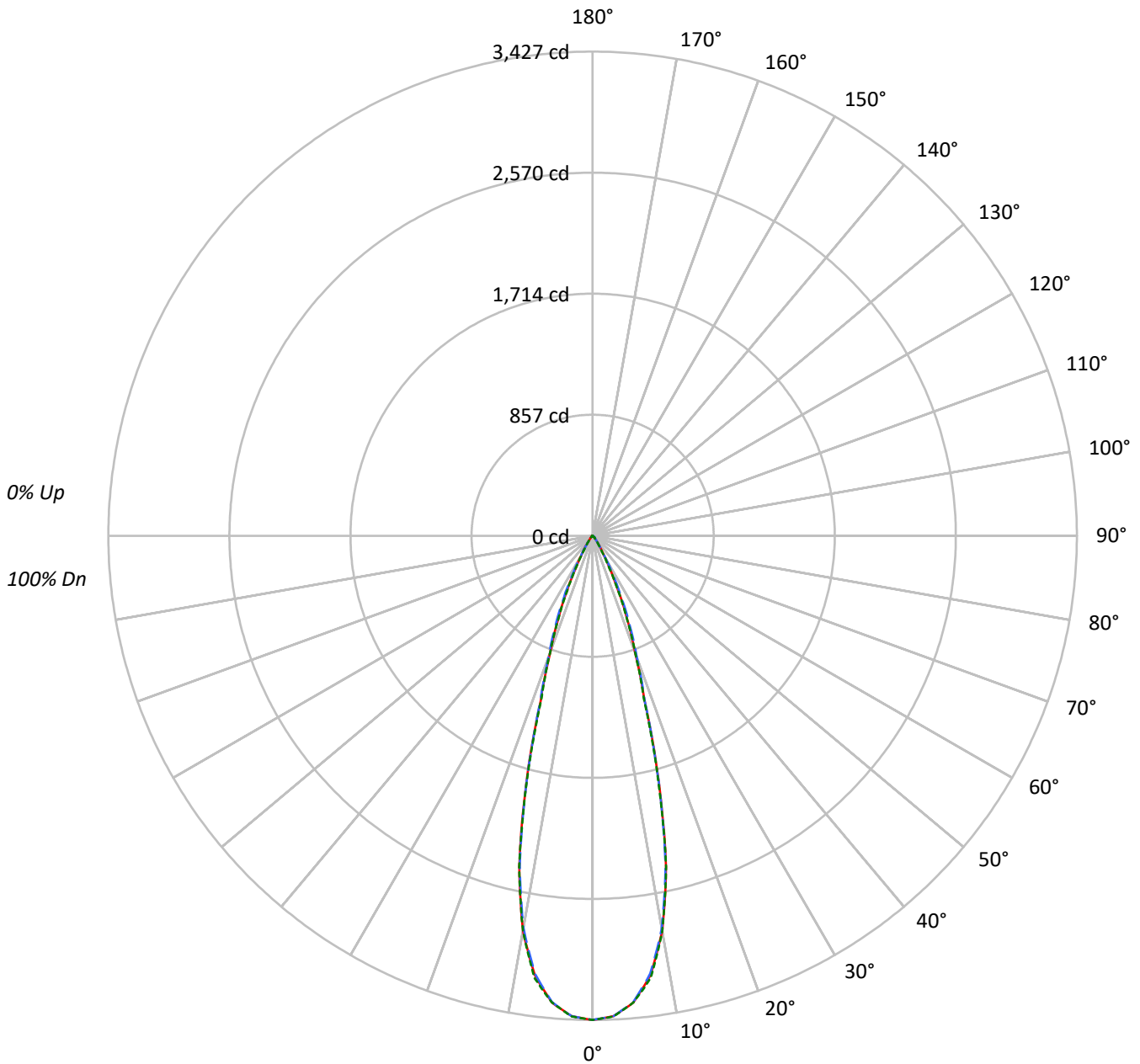
Downlight



TEST NUMBER: P760192

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P760192

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9030-6LBDP1LI

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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | | | | | | | | | | | | | | | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 | | | | | | | | | | | | | | | | | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | | | | | | | | | | | | | | | | | | | |
| 4 | 103 | 98 | 93 | 90 | 102 | 96 | 93 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 85 | | | | | | | | | | | | | | | | | | | |
| 5 | 100 | 94 | 89 | 86 | 98 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 84 | 88 | 86 | 83 | 82 | | | | | | | | | | | | | | | | | | | |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 | | | | | | | | | | | | | | | | | | | |
| 7 | 94 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 77 | | | | | | | | | | | | | | | | | | | |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | | | | | | | | | | | | | | | | | | | |
| 9 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | | | | | | | | | | | | | | | | | | | |
| 10 | 85 | 78 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 76 | 73 | 70 | 69 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 262291 | 262291 | 262291 |
| 5° | 254764 | 254465 | 254772 |
| 10° | 220659 | 219105 | 220612 |
| 15° | 143970 | 143201 | 142480 |
| 20° | 71591 | 74280 | 71494 |
| 25° | 36063 | 40666 | 35328 |
| 30° | 14433 | 15732 | 12577 |
| 35° | 6700 | 6410 | 5373 |
| 40° | 2888 | 3207 | 2728 |
| 45° | 2046 | 2533 | 2057 |
| 50° | 703 | 1846 | 738 |
| 55° | 400 | 761 | 427 |
| 60° | 276 | 337 | 276 |
| 65° | 181 | 181 | 181 |
| 70° | 112 | 67 | 112 |
| 75° | 0 | 59 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2533 cd/sqm



TEST NUMBER: P760192

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9030-6LBDP1LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 301.3 | 28.3 |
| 10°-20° | 485.3 | 45.5 |
| 20°-30° | 209.7 | 19.7 |
| 30°-40° | 47.8 | 4.5 |
| 40°-50° | 16.4 | 1.5 |
| 50°-60° | 4.0 | 0.4 |
| 60°-70° | 1.0 | 0.1 |
| 70°-80° | 0.1 | 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° | 996.3 | 93.5 |
| 0°-40° | 1044.1 | 98.0 |
| 0°-60° | 1064.5 | 99.9 |
| 0°-90° | 1065.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1065.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3427 | 3427 | 3427 | 3427 | 3427 | |
| 5° | 3316 | 3312 | 3312 | 3319 | 3316 | 302 |
| 15° | 1817 | 1795 | 1807 | 1801 | 1798 | 486 |
| 25° | 427 | 443 | 482 | 432 | 418 | 204 |
| 35° | 72 | 73 | 69 | 68 | 58 | 49 |
| 45° | 19 | 23 | 23 | 23 | 19 | 13 |
| 55° | 3 | 3 | 6 | 3 | 3 | 3 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P760192

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3426.7 | 3426.7 | 3426.7 | 3426.7 | 3426.7 |
| 2.5° | 3404.0 | 3401.7 | 3403.0 | 3404.7 | 3405.3 |
| 5° | 3315.7 | 3312.5 | 3311.8 | 3318.7 | 3315.8 |
| 7.5° | 3137.5 | 3133.0 | 3126.1 | 3141.7 | 3156.3 |
| 10° | 2839.0 | 2834.0 | 2819.0 | 2826.4 | 2838.4 |
| 12.5° | 2398.4 | 2382.1 | 2381.8 | 2405.3 | 2402.2 |
| 15° | 1816.8 | 1794.9 | 1807.1 | 1801.2 | 1798.0 |
| 17.5° | 1221.8 | 1213.3 | 1229.5 | 1224.6 | 1203.6 |
| 20° | 878.9 | 881.1 | 911.9 | 896.4 | 877.7 |
| 22.5° | 641.3 | 649.2 | 685.8 | 645.9 | 631.2 |
| 25° | 427.0 | 443.1 | 481.5 | 431.9 | 418.3 |
| 27.5° | 262.6 | 270.0 | 308.9 | 259.3 | 251.9 |
| 30° | 163.3 | 159.7 | 178.0 | 152.7 | 142.3 |
| 32.5° | 107.1 | 102.4 | 108.3 | 97.2 | 88.8 |
| 35° | 71.7 | 73.2 | 68.6 | 68.1 | 57.5 |
| 37.5° | 44.7 | 51.5 | 45.4 | 48.5 | 37.0 |
| 40° | 28.9 | 37.4 | 32.1 | 35.5 | 27.3 |
| 42.5° | 23.7 | 28.8 | 26.4 | 28.1 | 24.2 |
| 45° | 18.9 | 23.4 | 23.4 | 23.4 | 19.0 |
| 47.5° | 10.4 | 15.6 | 20.0 | 16.0 | 11.1 |
| 50° | 5.9 | 7.9 | 15.5 | 8.3 | 6.2 |
| 52.5° | 4.0 | 4.5 | 10.6 | 4.7 | 4.2 |
| 55° | 3.0 | 3.2 | 5.7 | 3.4 | 3.2 |
| 57.5° | 2.3 | 2.5 | 3.0 | 2.5 | 2.3 |
| 60° | 1.8 | 1.8 | 2.2 | 2.0 | 1.8 |
| 62.5° | 1.3 | 1.3 | 1.5 | 1.3 | 1.3 |
| 65° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 67.5° | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| 70° | 0.5 | 0.3 | 0.3 | 0.3 | 0.5 |
| 72.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.2 | 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 |
| 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

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)