

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: P756911

Luminaire Tested: LD6D02D010-EU6DR150210IC9030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756911
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: LD6D02D010-EU6DR150210IC9030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 335.2 lumens
Efficiency: N/A
Efficacy: 65.7 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): 5.1
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



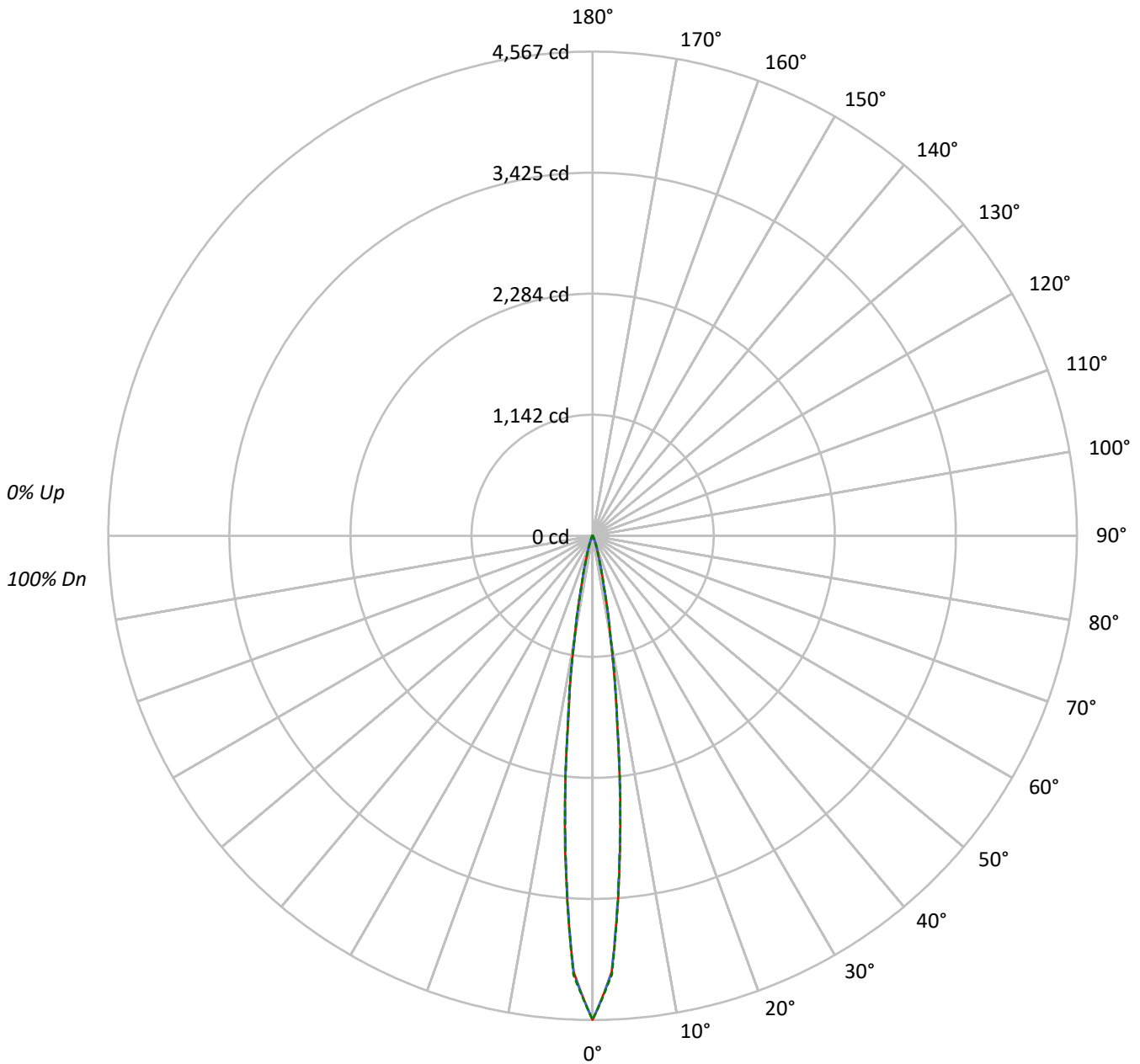
Downlight



TEST NUMBER: P756911

CATALOG NUMBER: LD6D02D010-EU6DR150210IC9030-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P756911

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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 | 93 | 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° | 513856 | 513856 | 513856 |
| 5° | 301970 | 298057 | 300415 |
| 10° | 90126 | 90751 | 92141 |
| 15° | 22418 | 22852 | 22148 |
| 20° | 6709 | 7765 | 6849 |
| 25° | 2368 | 3015 | 2392 |
| 30° | 869 | 1146 | 884 |
| 35° | 436 | 494 | 421 |
| 40° | 277 | 305 | 277 |
| 45° | 203 | 217 | 203 |
| 50° | 160 | 160 | 160 |
| 55° | 132 | 132 | 132 |
| 60° | 105 | 105 | 105 |
| 65° | 86 | 86 | 86 |
| 70° | 73 | 73 | 73 |
| 75° | 45 | 45 | 60 |
| 80° | 32 | 32 | 32 |
| 85° | 17 | 17 | 17 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 217 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 217.4 | 64.8 |
| 10°-20° | 89.4 | 26.7 |
| 20°-30° | 17.8 | 5.3 |
| 30°-40° | 4.4 | 1.3 |
| 40°-50° | 2.3 | 0.7 |
| 50°-60° | 1.7 | 0.5 |
| 60°-70° | 1.3 | 0.4 |
| 70°-80° | 0.7 | 0.2 |
| 80°-90° | 0.2 | 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° | 324.6 | 96.8 |
| 0°-40° | 329.0 | 98.1 |
| 0°-60° | 333.0 | 99.3 |
| 0°-90° | 335.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 335.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4567 | 4567 | 4567 | 4567 | 4567 | |
| 5° | 2971 | 2941 | 2933 | 2953 | 2956 | 217 |
| 15° | 258 | 263 | 263 | 258 | 255 | 88 |
| 25° | 30 | 34 | 39 | 34 | 31 | 16 |
| 35° | 6 | 6 | 7 | 6 | 6 | 4 |
| 45° | 3 | 3 | 3 | 3 | 3 | 2 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 4566.8 | 4566.8 | 4566.8 | 4566.8 | 4566.8 |
| 2.5° | 4119.5 | 4122.9 | 4124.3 | 4128.4 | 4143.4 |
| 5° | 2971.3 | 2940.7 | 2932.8 | 2953.1 | 2956.0 |
| 7.5° | 1760.1 | 1766.3 | 1788.9 | 1793.9 | 1775.7 |
| 10° | 965.9 | 973.8 | 972.6 | 979.6 | 987.5 |
| 12.5° | 494.0 | 487.8 | 485.8 | 493.8 | 482.7 |
| 15° | 258.1 | 262.9 | 263.1 | 258.5 | 255.0 |
| 17.5° | 138.8 | 144.4 | 153.7 | 146.2 | 134.6 |
| 20° | 82.0 | 87.0 | 94.9 | 88.7 | 83.7 |
| 22.5° | 50.7 | 54.7 | 60.3 | 55.5 | 51.4 |
| 25° | 30.4 | 34.4 | 38.7 | 34.2 | 30.7 |
| 27.5° | 18.0 | 21.5 | 24.2 | 21.3 | 17.8 |
| 30° | 11.6 | 13.5 | 15.3 | 13.3 | 11.8 |
| 32.5° | 8.1 | 8.9 | 9.7 | 8.9 | 8.1 |
| 35° | 6.0 | 6.4 | 6.8 | 6.4 | 5.8 |
| 37.5° | 4.6 | 5.0 | 5.2 | 4.8 | 4.4 |
| 40° | 3.9 | 4.1 | 4.3 | 4.1 | 3.9 |
| 42.5° | 3.3 | 3.5 | 3.5 | 3.5 | 3.3 |
| 45° | 2.9 | 2.9 | 3.1 | 2.9 | 2.9 |
| 47.5° | 2.5 | 2.5 | 2.7 | 2.5 | 2.5 |
| 50° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 52.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 55° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 57.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 60° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 62.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 65° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 67.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 70° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| 77.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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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