

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



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: P760172

Luminaire Tested: LD6D10D010-EU6DR300210IC9024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760172
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-EU6DR300210IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 672.4 lumens
Efficiency: N/A
Efficacy: 57.5 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



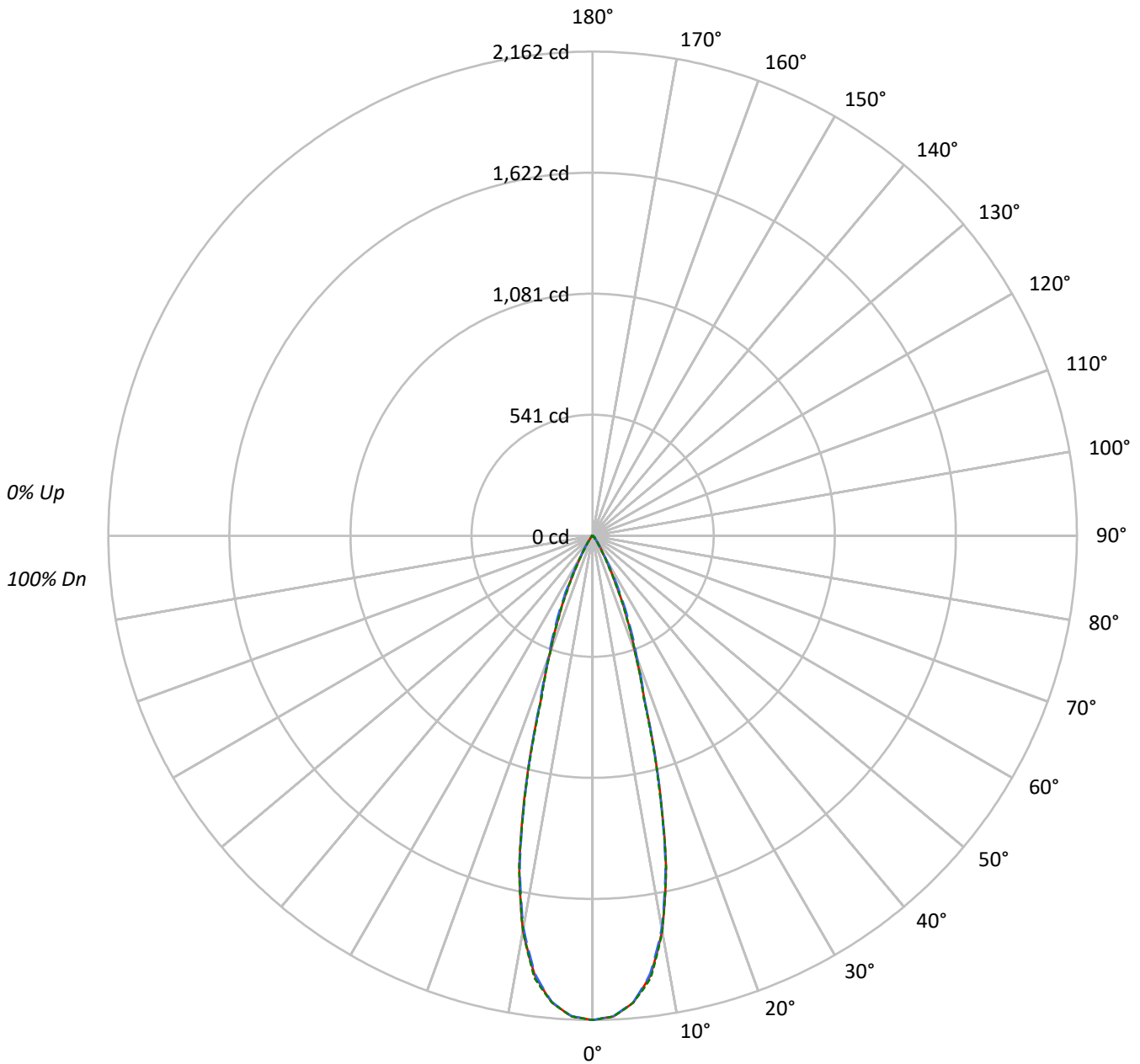
Downlight



TEST NUMBER: P760172

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9024-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P760172

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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 | 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 | 86 | 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° | 165494 | 165494 | 165494 |
| 5° | 160748 | 160556 | 160756 |
| 10° | 139227 | 138248 | 139196 |
| 15° | 90845 | 90354 | 89894 |
| 20° | 45175 | 46870 | 45110 |
| 25° | 22753 | 25658 | 22288 |
| 30° | 9112 | 9926 | 7937 |
| 35° | 4224 | 4046 | 3392 |
| 40° | 1829 | 2028 | 1719 |
| 45° | 1288 | 1602 | 1299 |
| 50° | 441 | 1155 | 476 |
| 55° | 254 | 480 | 267 |
| 60° | 168 | 214 | 168 |
| 65° | 109 | 109 | 109 |
| 70° | 67 | 45 | 67 |
| 75° | 0 | 30 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1602 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 190.1 | 28.3 |
| 10°-20° | 306.2 | 45.5 |
| 20°-30° | 132.3 | 19.7 |
| 30°-40° | 30.2 | 4.5 |
| 40°-50° | 10.4 | 1.5 |
| 50°-60° | 2.5 | 0.4 |
| 60°-70° | 0.6 | 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° | 628.6 | 93.5 |
| 0°-40° | 658.8 | 98.0 |
| 0°-60° | 671.7 | 99.9 |
| 0°-90° | 672.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 672.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2162 | 2162 | 2162 | 2162 | 2162 | |
| 5° | 2092 | 2090 | 2090 | 2094 | 2092 | 190 |
| 15° | 1146 | 1133 | 1140 | 1136 | 1134 | 307 |
| 25° | 269 | 280 | 304 | 272 | 264 | 129 |
| 35° | 45 | 46 | 43 | 43 | 36 | 31 |
| 45° | 12 | 15 | 15 | 15 | 12 | 8 |
| 55° | 2 | 2 | 4 | 2 | 2 | 2 |
| 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 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2162.1 | 2162.1 | 2162.1 | 2162.1 | 2162.1 |
| 2.5° | 2147.8 | 2146.3 | 2147.1 | 2148.2 | 2148.6 |
| 5° | 2092.1 | 2090.1 | 2089.6 | 2094.0 | 2092.2 |
| 7.5° | 1979.7 | 1976.8 | 1972.4 | 1982.3 | 1991.5 |
| 10° | 1791.3 | 1788.1 | 1778.7 | 1783.4 | 1790.9 |
| 12.5° | 1513.3 | 1503.0 | 1502.8 | 1517.7 | 1515.6 |
| 15° | 1146.4 | 1132.6 | 1140.2 | 1136.4 | 1134.4 |
| 17.5° | 770.9 | 765.6 | 775.8 | 772.7 | 759.4 |
| 20° | 554.6 | 555.9 | 575.4 | 565.6 | 553.8 |
| 22.5° | 404.7 | 409.7 | 432.7 | 407.5 | 398.3 |
| 25° | 269.4 | 279.6 | 303.8 | 272.5 | 263.9 |
| 27.5° | 165.7 | 170.4 | 194.9 | 163.6 | 158.9 |
| 30° | 103.1 | 100.7 | 112.3 | 96.4 | 89.8 |
| 32.5° | 67.6 | 64.6 | 68.4 | 61.4 | 56.0 |
| 35° | 45.2 | 46.2 | 43.3 | 43.0 | 36.3 |
| 37.5° | 28.2 | 32.5 | 28.6 | 30.6 | 23.4 |
| 40° | 18.3 | 23.5 | 20.3 | 22.4 | 17.2 |
| 42.5° | 15.0 | 18.2 | 16.7 | 17.7 | 15.3 |
| 45° | 11.9 | 14.8 | 14.8 | 14.8 | 12.0 |
| 47.5° | 6.6 | 9.9 | 12.6 | 10.1 | 7.0 |
| 50° | 3.7 | 5.0 | 9.7 | 5.2 | 4.0 |
| 52.5° | 2.5 | 2.9 | 6.7 | 3.0 | 2.6 |
| 55° | 1.9 | 2.0 | 3.6 | 2.1 | 2.0 |
| 57.5° | 1.5 | 1.6 | 1.9 | 1.6 | 1.5 |
| 60° | 1.1 | 1.1 | 1.4 | 1.3 | 1.1 |
| 62.5° | 0.9 | 0.9 | 1.0 | 0.9 | 0.9 |
| 65° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67.5° | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 |
| 72.5° | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 75° | 0.0 | 0.0 | 0.1 | 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 |

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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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