

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: P760183

Luminaire Tested: LD6D10D010-EU6DR300210IC9027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760183
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-EU6DR300210IC9027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1086.4 lumens
Efficiency: N/A
Efficacy: 92.9 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

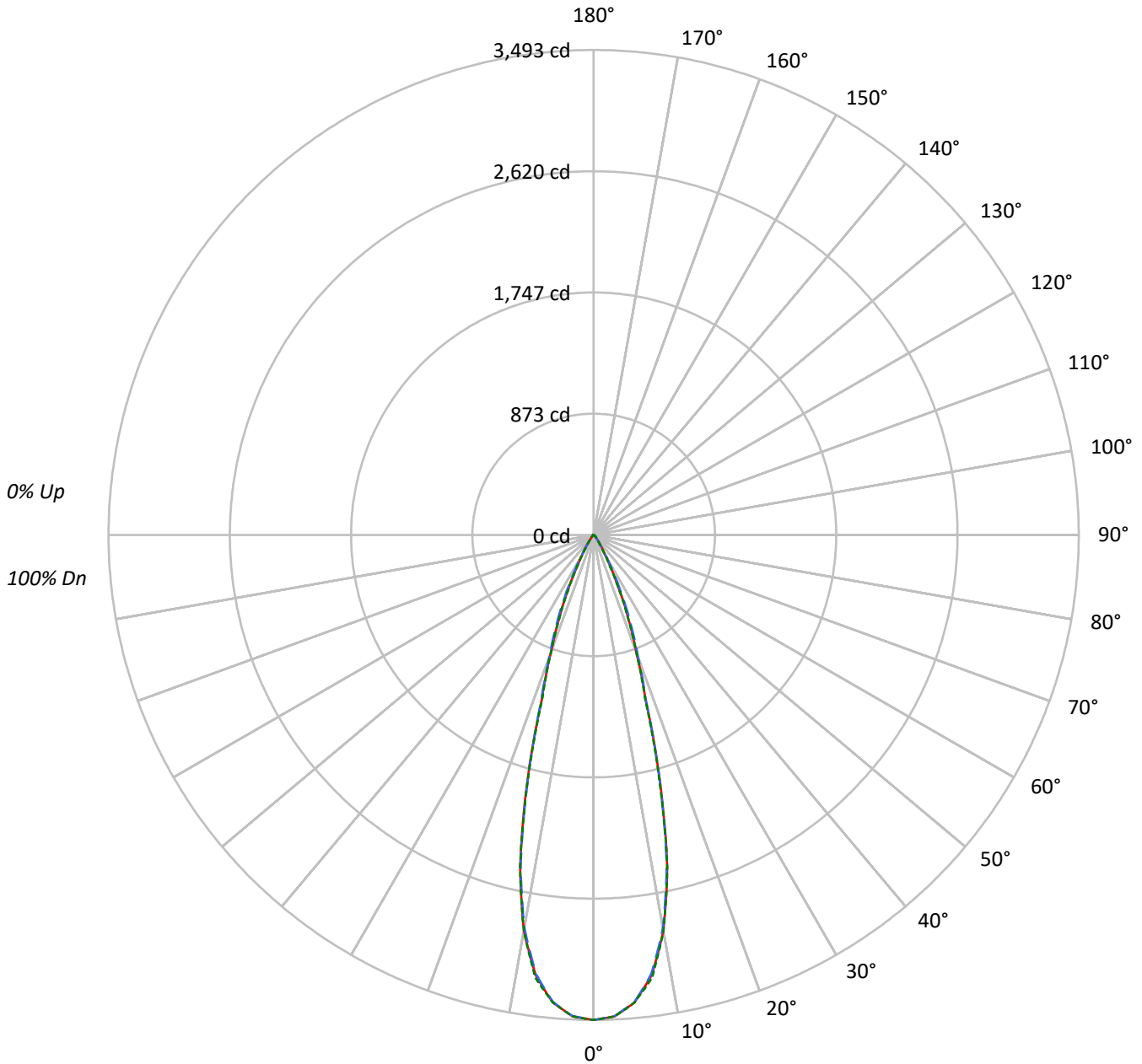


Downlight



TEST NUMBER: P760183
CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P760183

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1LI

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 | 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° | 267389 | 267389 | 267389 |
| 5° | 259713 | 259413 | 259728 |
| 10° | 224957 | 223364 | 224903 |
| 15° | 146767 | 145982 | 145246 |
| 20° | 72984 | 75721 | 72887 |
| 25° | 36764 | 41451 | 36012 |
| 30° | 14725 | 16042 | 12825 |
| 35° | 6831 | 6541 | 5485 |
| 40° | 2948 | 3277 | 2778 |
| 45° | 2078 | 2576 | 2100 |
| 50° | 714 | 1881 | 762 |
| 55° | 414 | 774 | 440 |
| 60° | 291 | 337 | 291 |
| 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: 2576 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 307.2 | 28.3 |
| 10°-20° | 494.7 | 45.5 |
| 20°-30° | 213.8 | 19.7 |
| 30°-40° | 48.7 | 4.5 |
| 40°-50° | 16.7 | 1.5 |
| 50°-60° | 4.1 | 0.4 |
| 60°-70° | 1.1 | 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° | 1015.7 | 93.5 |
| 0°-40° | 1064.4 | 98.0 |
| 0°-60° | 1085.2 | 99.9 |
| 0°-90° | 1086.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1086.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3493 | 3493 | 3493 | 3493 | 3493 | |
| 5° | 3380 | 3377 | 3376 | 3383 | 3380 | 307 |
| 15° | 1852 | 1830 | 1842 | 1836 | 1833 | 496 |
| 25° | 435 | 452 | 491 | 440 | 426 | 208 |
| 35° | 73 | 75 | 70 | 69 | 59 | 50 |
| 45° | 19 | 24 | 24 | 24 | 19 | 14 |
| 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 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3493.3 | 3493.3 | 3493.3 | 3493.3 | 3493.3 |
| 2.5° | 3470.2 | 3467.8 | 3469.2 | 3470.9 | 3471.6 |
| 5° | 3380.1 | 3376.9 | 3376.2 | 3383.2 | 3380.3 |
| 7.5° | 3198.5 | 3193.9 | 3186.9 | 3202.8 | 3217.7 |
| 10° | 2894.3 | 2889.1 | 2873.8 | 2881.4 | 2893.6 |
| 12.5° | 2445.1 | 2428.4 | 2428.1 | 2452.1 | 2448.8 |
| 15° | 1852.1 | 1829.8 | 1842.2 | 1836.2 | 1832.9 |
| 17.5° | 1245.5 | 1236.9 | 1253.4 | 1248.4 | 1227.0 |
| 20° | 896.0 | 898.2 | 929.6 | 913.8 | 894.8 |
| 22.5° | 653.8 | 661.9 | 699.1 | 658.4 | 643.5 |
| 25° | 435.3 | 451.8 | 490.8 | 440.3 | 426.4 |
| 27.5° | 267.7 | 275.3 | 314.9 | 264.3 | 256.7 |
| 30° | 166.6 | 162.8 | 181.5 | 155.7 | 145.1 |
| 32.5° | 109.3 | 104.4 | 110.5 | 99.1 | 90.6 |
| 35° | 73.1 | 74.6 | 70.0 | 69.4 | 58.7 |
| 37.5° | 45.6 | 52.5 | 46.3 | 49.4 | 37.8 |
| 40° | 29.5 | 38.1 | 32.8 | 36.2 | 27.8 |
| 42.5° | 24.2 | 29.3 | 26.9 | 28.6 | 24.7 |
| 45° | 19.2 | 23.8 | 23.8 | 23.8 | 19.4 |
| 47.5° | 10.7 | 15.9 | 20.4 | 16.3 | 11.3 |
| 50° | 6.0 | 8.1 | 15.8 | 8.4 | 6.4 |
| 52.5° | 4.1 | 4.6 | 10.8 | 4.8 | 4.3 |
| 55° | 3.1 | 3.3 | 5.8 | 3.4 | 3.3 |
| 57.5° | 2.4 | 2.6 | 3.1 | 2.6 | 2.4 |
| 60° | 1.9 | 1.9 | 2.2 | 2.1 | 1.9 |
| 62.5° | 1.4 | 1.4 | 1.5 | 1.4 | 1.4 |
| 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 |

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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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