

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: P760182

Luminaire Tested: LD6D10D010-EU6DR300210IC9027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760182
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-EU6DR300210IC9027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 1034.7 lumens
Efficiency: N/A
Efficacy: 88.4 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

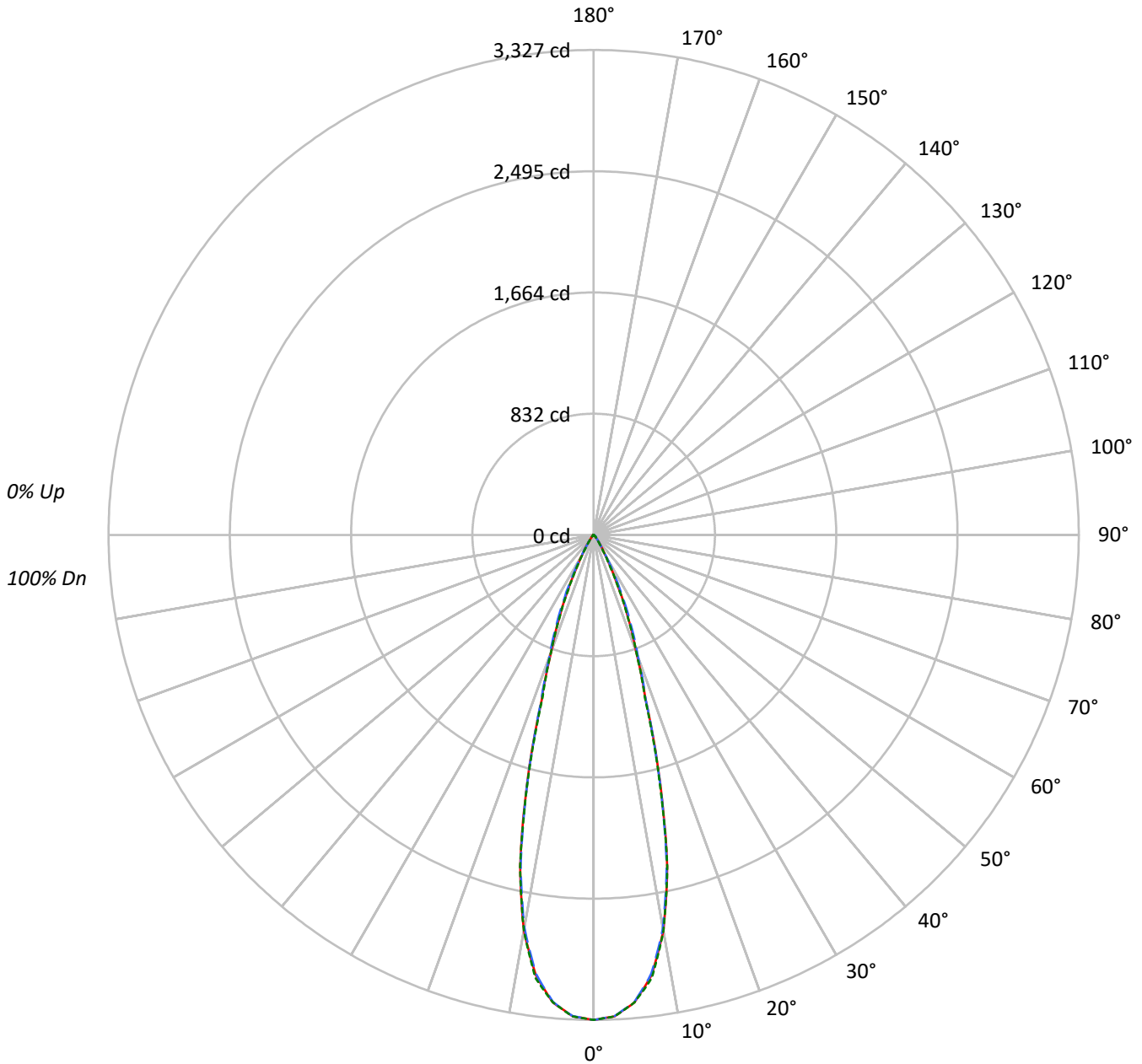


Downlight



TEST NUMBER: P760182
CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P760182

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1H

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° | 254660 | 254660 | 254660 |
| 5° | 247350 | 247058 | 247365 |
| 10° | 214239 | 212731 | 214192 |
| 15° | 139778 | 139033 | 138335 |
| 20° | 69506 | 72113 | 69408 |
| 25° | 35016 | 39483 | 34298 |
| 30° | 14018 | 15273 | 12215 |
| 35° | 6504 | 6223 | 5223 |
| 40° | 2808 | 3118 | 2648 |
| 45° | 1981 | 2457 | 1992 |
| 50° | 679 | 1786 | 714 |
| 55° | 387 | 747 | 414 |
| 60° | 276 | 321 | 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: 2457 cd/sqm



TEST NUMBER: P760182

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 292.6 | 28.3 |
| 10°-20° | 471.2 | 45.5 |
| 20°-30° | 203.6 | 19.7 |
| 30°-40° | 46.4 | 4.5 |
| 40°-50° | 15.9 | 1.5 |
| 50°-60° | 3.9 | 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° | 967.3 | 93.5 |
| 0°-40° | 1013.7 | 98.0 |
| 0°-60° | 1033.6 | 99.9 |
| 0°-90° | 1034.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1034.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3327 | 3327 | 3327 | 3327 | 3327 | |
| 5° | 3219 | 3216 | 3215 | 3222 | 3219 | 293 |
| 15° | 1764 | 1743 | 1754 | 1749 | 1746 | 472 |
| 25° | 415 | 430 | 468 | 419 | 406 | 198 |
| 35° | 70 | 71 | 67 | 66 | 56 | 47 |
| 45° | 18 | 23 | 23 | 23 | 18 | 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 | 0 |



TEST NUMBER: P760182

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3327.0 | 3327.0 | 3327.0 | 3327.0 | 3327.0 |
| 2.5° | 3305.0 | 3302.7 | 3304.0 | 3305.6 | 3306.2 |
| 5° | 3219.2 | 3216.1 | 3215.4 | 3222.1 | 3219.4 |
| 7.5° | 3046.2 | 3041.8 | 3035.1 | 3050.3 | 3064.5 |
| 10° | 2756.4 | 2751.5 | 2737.0 | 2744.1 | 2755.8 |
| 12.5° | 2328.6 | 2312.8 | 2312.4 | 2335.3 | 2332.2 |
| 15° | 1763.9 | 1742.7 | 1754.5 | 1748.8 | 1745.7 |
| 17.5° | 1186.2 | 1178.0 | 1193.7 | 1189.0 | 1168.5 |
| 20° | 853.3 | 855.4 | 885.3 | 870.3 | 852.1 |
| 22.5° | 622.7 | 630.4 | 665.8 | 627.1 | 612.9 |
| 25° | 414.6 | 430.2 | 467.5 | 419.3 | 406.1 |
| 27.5° | 255.0 | 262.2 | 299.9 | 251.7 | 244.5 |
| 30° | 158.6 | 155.0 | 172.8 | 148.3 | 138.2 |
| 32.5° | 104.0 | 99.5 | 105.2 | 94.4 | 86.2 |
| 35° | 69.6 | 71.0 | 66.6 | 66.2 | 55.9 |
| 37.5° | 43.4 | 50.0 | 44.1 | 47.0 | 35.9 |
| 40° | 28.1 | 36.3 | 31.2 | 34.5 | 26.5 |
| 42.5° | 23.0 | 28.0 | 25.7 | 27.3 | 23.5 |
| 45° | 18.3 | 22.7 | 22.7 | 22.7 | 18.4 |
| 47.5° | 10.1 | 15.2 | 19.4 | 15.5 | 10.8 |
| 50° | 5.7 | 7.7 | 15.0 | 8.0 | 6.0 |
| 52.5° | 3.9 | 4.4 | 10.3 | 4.6 | 4.1 |
| 55° | 2.9 | 3.1 | 5.6 | 3.3 | 3.1 |
| 57.5° | 2.3 | 2.5 | 2.9 | 2.5 | 2.3 |
| 60° | 1.8 | 1.8 | 2.1 | 1.9 | 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 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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)