

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: P760195

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760195
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-EU6DR300210IC9030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 1068.4 lumens
Efficiency: N/A
Efficacy: 91.3 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 (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

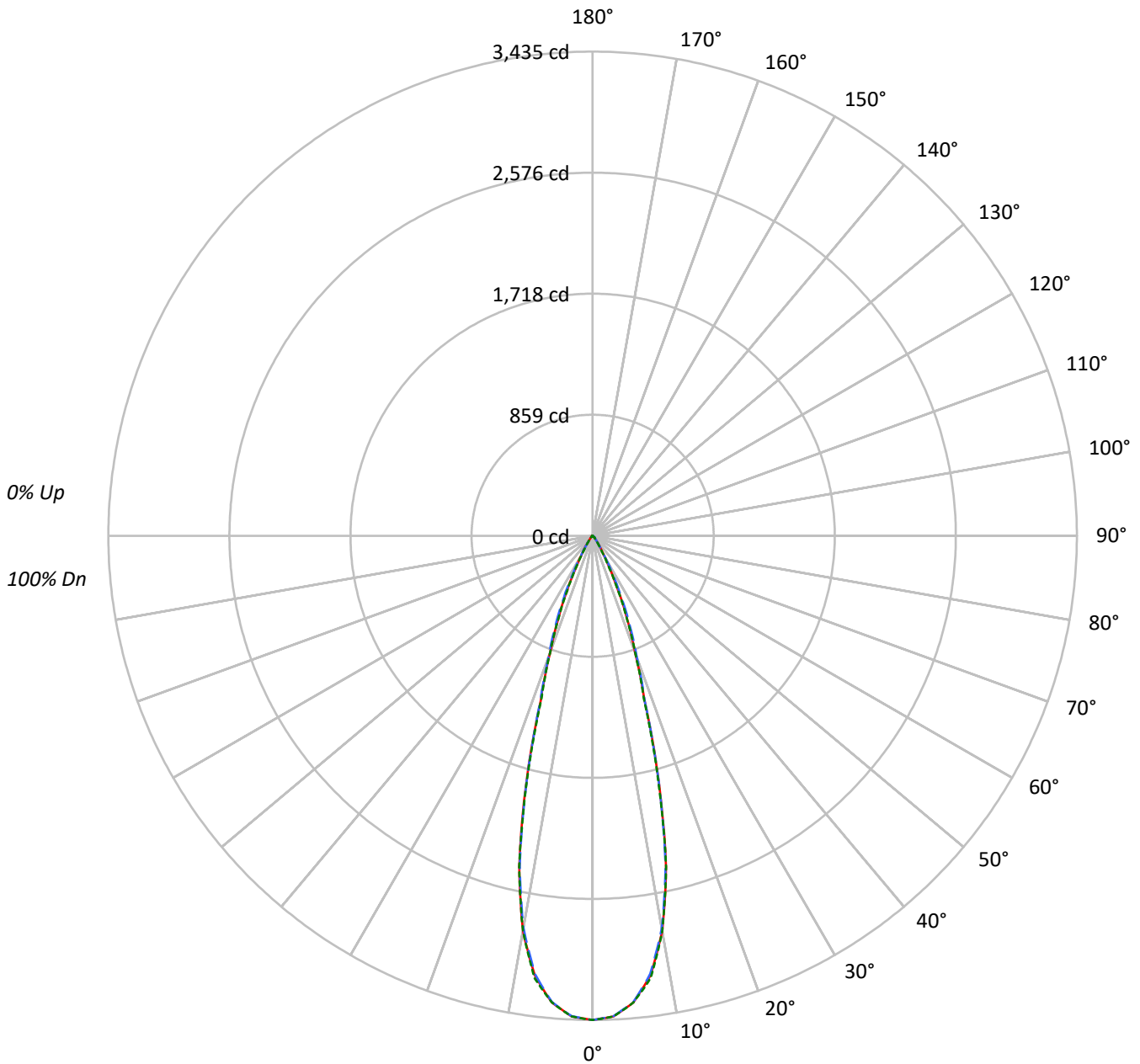


Downlight



TEST NUMBER: P760195
CATALOG NUMBER: LD6D10D010-EU6DR300210IC9030-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P760195

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9030-6LBS1H

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 | 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° | 262950 | 262950 | 262950 |
| 5° | 255402 | 255102 | 255410 |
| 10° | 221219 | 219656 | 221164 |
| 15° | 144334 | 143558 | 142837 |
| 20° | 71771 | 74459 | 71673 |
| 25° | 36156 | 40767 | 35413 |
| 30° | 14469 | 15768 | 12612 |
| 35° | 6709 | 6429 | 5392 |
| 40° | 2898 | 3217 | 2728 |
| 45° | 2046 | 2533 | 2068 |
| 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



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 302.1 | 28.3 |
| 10°-20° | 486.5 | 45.5 |
| 20°-30° | 210.2 | 19.7 |
| 30°-40° | 47.9 | 4.5 |
| 40°-50° | 16.5 | 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° | 998.8 | 93.5 |
| 0°-40° | 1046.7 | 98.0 |
| 0°-60° | 1067.2 | 99.9 |
| 0°-90° | 1068.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1068.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3435 | 3435 | 3435 | 3435 | 3435 | |
| 5° | 3324 | 3321 | 3320 | 3327 | 3324 | 302 |
| 15° | 1821 | 1800 | 1812 | 1806 | 1802 | 488 |
| 25° | 428 | 444 | 483 | 433 | 419 | 205 |
| 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 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3435.3 | 3435.3 | 3435.3 | 3435.3 | 3435.3 |
| 2.5° | 3412.6 | 3410.1 | 3411.5 | 3413.2 | 3413.9 |
| 5° | 3324.0 | 3320.8 | 3320.1 | 3327.0 | 3324.1 |
| 7.5° | 3145.4 | 3140.8 | 3133.9 | 3149.6 | 3164.2 |
| 10° | 2846.2 | 2841.1 | 2826.1 | 2833.5 | 2845.5 |
| 12.5° | 2404.4 | 2388.1 | 2387.8 | 2411.4 | 2408.2 |
| 15° | 1821.4 | 1799.5 | 1811.6 | 1805.7 | 1802.5 |
| 17.5° | 1224.8 | 1216.4 | 1232.6 | 1227.7 | 1206.6 |
| 20° | 881.1 | 883.3 | 914.1 | 898.6 | 879.9 |
| 22.5° | 643.0 | 650.9 | 687.5 | 647.5 | 632.8 |
| 25° | 428.1 | 444.3 | 482.7 | 433.0 | 419.3 |
| 27.5° | 263.3 | 270.7 | 309.7 | 259.9 | 252.5 |
| 30° | 163.7 | 160.1 | 178.4 | 153.1 | 142.7 |
| 32.5° | 107.4 | 102.7 | 108.6 | 97.5 | 89.0 |
| 35° | 71.8 | 73.4 | 68.8 | 68.3 | 57.7 |
| 37.5° | 44.9 | 51.6 | 45.5 | 48.6 | 37.1 |
| 40° | 29.0 | 37.5 | 32.2 | 35.6 | 27.3 |
| 42.5° | 23.8 | 28.8 | 26.5 | 28.2 | 24.3 |
| 45° | 18.9 | 23.4 | 23.4 | 23.4 | 19.1 |
| 47.5° | 10.5 | 15.7 | 20.1 | 16.0 | 11.1 |
| 50° | 5.9 | 7.9 | 15.5 | 8.3 | 6.2 |
| 52.5° | 4.1 | 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° | 1.4 | 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 |

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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