

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: P758974

Luminaire Tested: LD6D08D010-EU6DR150210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758974
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: LD6D08D010-EU6DR150210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 941.5 lumens
Efficiency: N/A
Efficacy: 105.8 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): 8.9
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

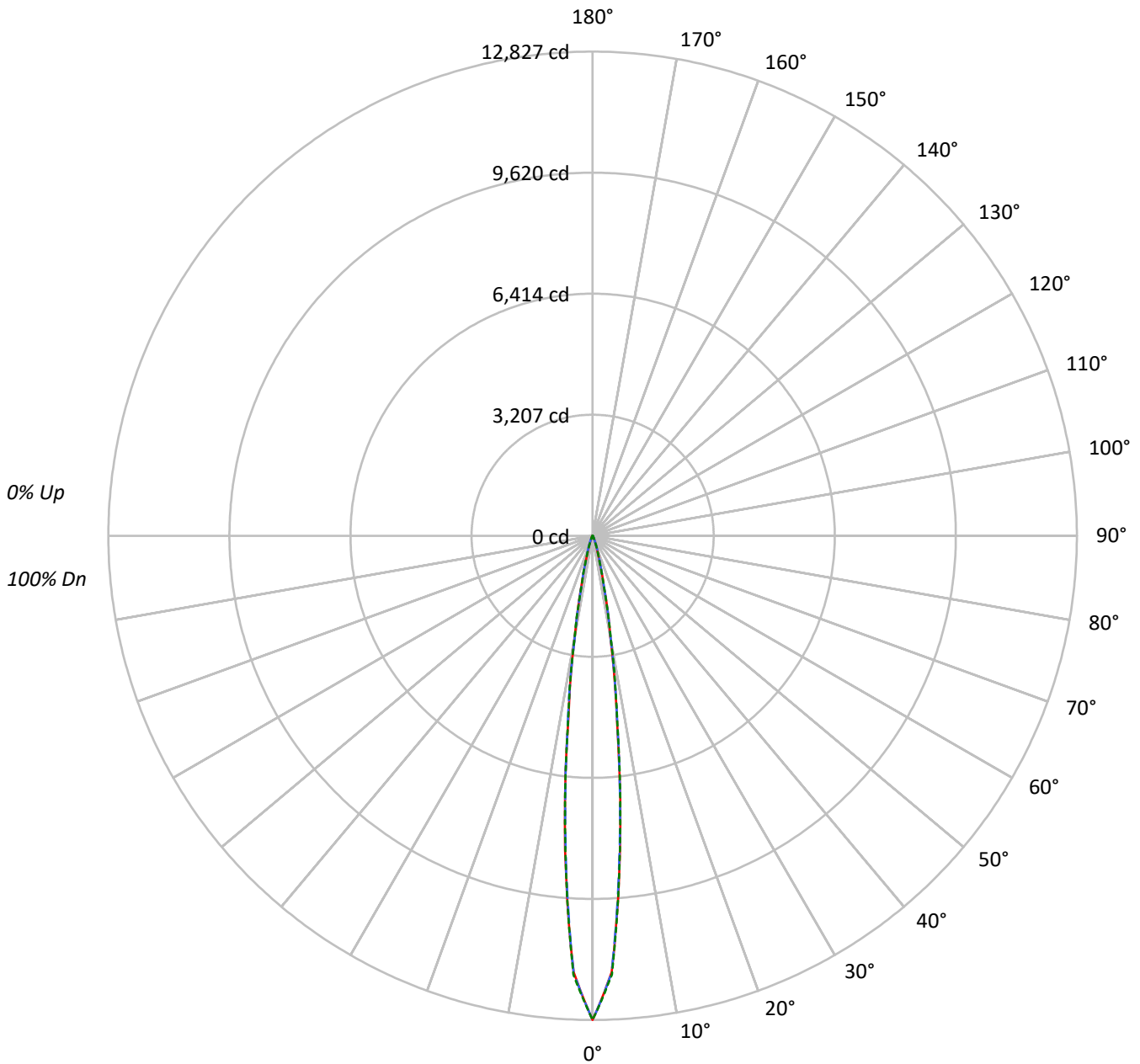


Downlight



TEST NUMBER: P758974
CATALOG NUMBER: LD6D08D010-EU6DR150210IC9040-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P758974

CATALOG NUMBER: LD6D08D010-EU6DR150210IC9040-6LBS1LI

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 | | | | | | 100 | | | | | | | | | | | | | |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98 | | | | | | 98 | | | | | | | | | | | | | |
| 2 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 | 102 | 101 | 100 | 100 | 98 | 98 | 96 | | | | | | 96 | | | | | | | | | | | | | |
| 3 | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99 | 100 | 99 | 97 | 98 | 97 | 96 | 94 | | | | | | 94 | | | | | | | | | | | | | |
| 4 | 108 | 103 | 100 | 98 | 106 | 102 | 99 | 97 | 100 | 98 | 96 | 99 | 97 | 95 | 97 | 95 | 94 | 93 | | | | | | 93 | | | | | | | | | | | | | |
| 5 | 106 | 101 | 98 | 95 | 104 | 100 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 92 | | | | | | 92 | | | | | | | | | | | | | |
| 6 | 104 | 99 | 95 | 93 | 102 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 90 | | | | | | 90 | | | | | | | | | | | | | |
| 7 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | | | | | | 89 | | | | | | | | | | | | | |
| 8 | 100 | 95 | 92 | 90 | 99 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | 88 | | | | | | 88 | | | | | | | | | | | | | |
| 9 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 89 | 88 | 91 | 89 | 88 | 87 | | | | | | 87 | | | | | | | | | | | | | |
| 10 | 97 | 92 | 89 | 87 | 96 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 86 | | | | | | 86 | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1443327 | 1443327 | 1443327 |
| 5° | 848164 | 837188 | 843804 |
| 10° | 253134 | 254907 | 258817 |
| 15° | 62963 | 64196 | 62207 |
| 20° | 18836 | 21814 | 19237 |
| 25° | 6645 | 8460 | 6723 |
| 30° | 2441 | 3212 | 2479 |
| 35° | 1220 | 1380 | 1184 |
| 40° | 774 | 845 | 774 |
| 45° | 567 | 609 | 567 |
| 50° | 452 | 452 | 452 |
| 55° | 376 | 376 | 376 |
| 60° | 302 | 302 | 302 |
| 65° | 236 | 236 | 236 |
| 70° | 197 | 197 | 197 |
| 75° | 121 | 121 | 166 |
| 80° | 87 | 87 | 87 |
| 85° | 42 | 42 | 42 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 609 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 610.6 | 64.9 |
| 10°-20° | 251.2 | 26.7 |
| 20°-30° | 49.9 | 5.3 |
| 30°-40° | 12.5 | 1.3 |
| 40°-50° | 6.5 | 0.7 |
| 50°-60° | 4.8 | 0.5 |
| 60°-70° | 3.4 | 0.4 |
| 70°-80° | 1.9 | 0.2 |
| 80°-90° | 0.6 | 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° | 911.6 | 96.8 |
| 0°-40° | 924.1 | 98.2 |
| 0°-60° | 935.5 | 99.4 |
| 0°-90° | 941.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 941.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 12827 | 12827 | 12827 | 12827 | 12827 | |
| 5° | 8346 | 8260 | 8238 | 8295 | 8303 | 609 |
| 15° | 725 | 738 | 739 | 726 | 716 | 249 |
| 25° | 85 | 97 | 109 | 96 | 86 | 45 |
| 35° | 17 | 18 | 19 | 18 | 16 | 11 |
| 45° | 8 | 8 | 9 | 8 | 8 | 6 |
| 55° | 5 | 5 | 5 | 5 | 5 | 5 |
| 65° | 3 | 3 | 3 | 3 | 3 | 3 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 12827.3 | 12827.3 | 12827.3 | 12827.3 | 12827.3 |
| 2.5° | 11570.7 | 11580.5 | 11584.3 | 11595.7 | 11638.1 |
| 5° | 8345.7 | 8259.9 | 8237.7 | 8294.7 | 8302.8 |
| 7.5° | 4943.7 | 4961.1 | 5024.6 | 5038.7 | 4987.7 |
| 10° | 2712.9 | 2735.2 | 2731.9 | 2751.5 | 2773.8 |
| 12.5° | 1387.4 | 1370.0 | 1364.6 | 1386.9 | 1355.9 |
| 15° | 724.9 | 738.5 | 739.1 | 726.0 | 716.2 |
| 17.5° | 389.9 | 405.6 | 431.7 | 410.5 | 377.9 |
| 20° | 230.2 | 244.4 | 266.6 | 249.2 | 235.1 |
| 22.5° | 142.3 | 153.7 | 169.4 | 155.8 | 144.4 |
| 25° | 85.3 | 96.7 | 108.6 | 96.1 | 86.3 |
| 27.5° | 50.5 | 60.3 | 67.9 | 59.7 | 50.0 |
| 30° | 32.6 | 38.0 | 42.9 | 37.5 | 33.1 |
| 32.5° | 22.8 | 25.0 | 27.2 | 25.0 | 22.8 |
| 35° | 16.8 | 17.9 | 19.0 | 17.9 | 16.3 |
| 37.5° | 13.0 | 14.1 | 14.7 | 13.6 | 12.5 |
| 40° | 10.9 | 11.4 | 11.9 | 11.4 | 10.9 |
| 42.5° | 9.2 | 9.8 | 9.8 | 9.8 | 9.2 |
| 45° | 8.1 | 8.1 | 8.7 | 8.1 | 8.1 |
| 47.5° | 7.1 | 7.1 | 7.6 | 7.1 | 7.1 |
| 50° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 52.5° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 55° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 57.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 60° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 62.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 65° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 67.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 70° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 72.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 75° | 1.6 | 1.6 | 1.6 | 1.6 | 2.2 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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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