

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: P768714

Luminaire Tested: LD6D60D010-EU6DR3055659024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768714
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: LD6D60D010-EU6DR3055659024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6290.8 lumens
Efficiency: N/A
Efficacy: 97.7 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

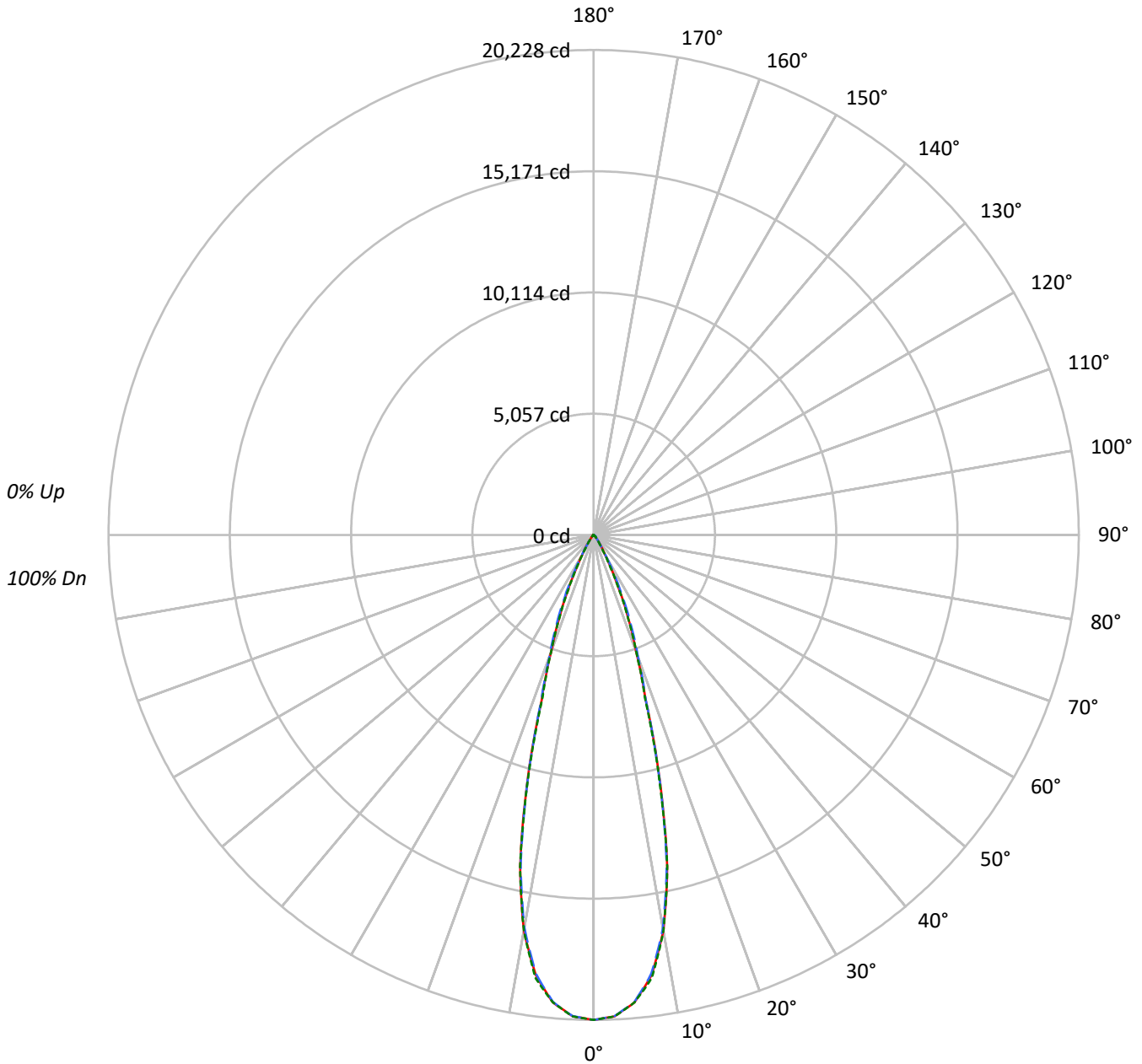
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P768714
CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P768714

CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBDP1LI

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° | 1548320 | 1548320 | 1548320 |
| 5° | 1503868 | 1502116 | 1503945 |
| 10° | 1302580 | 1293393 | 1302269 |
| 15° | 849871 | 845307 | 841051 |
| 20° | 422601 | 438452 | 422031 |
| 25° | 212881 | 240050 | 208514 |
| 30° | 85229 | 92866 | 74261 |
| 35° | 39535 | 37863 | 31733 |
| 40° | 17066 | 18955 | 16077 |
| 45° | 12037 | 14938 | 12146 |
| 50° | 4144 | 10884 | 4370 |
| 55° | 2389 | 4511 | 2522 |
| 60° | 1669 | 1975 | 1669 |
| 65° | 1087 | 1087 | 1087 |
| 70° | 671 | 448 | 671 |
| 75° | 0 | 296 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14938 cd/sqm



TEST NUMBER: P768714

CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBDP1LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1778.7 | 28.3 |
| 10°-20° | 2864.7 | 45.5 |
| 20°-30° | 1237.9 | 19.7 |
| 30°-40° | 282.1 | 4.5 |
| 40°-50° | 96.9 | 1.5 |
| 50°-60° | 23.7 | 0.4 |
| 60°-70° | 6.1 | 0.1 |
| 70°-80° | 0.7 | 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° | 5881.3 | 93.5 |
| 0°-40° | 6163.5 | 98.0 |
| 0°-60° | 6284.0 | 99.9 |
| 0°-90° | 6290.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6290.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 20228 | 20228 | 20228 | 20228 | 20228 | |
| 5° | 19572 | 19554 | 19550 | 19590 | 19574 | 1780 |
| 15° | 10725 | 10596 | 10667 | 10632 | 10614 | 2872 |
| 25° | 2521 | 2616 | 2842 | 2549 | 2469 | 1207 |
| 35° | 423 | 432 | 405 | 402 | 340 | 287 |
| 45° | 111 | 138 | 138 | 138 | 112 | 79 |
| 55° | 18 | 19 | 34 | 20 | 19 | 17 |
| 65° | 6 | 6 | 6 | 6 | 6 | 6 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P768714

CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 20228.0 | 20228.0 | 20228.0 | 20228.0 | 20228.0 |
| 2.5° | 20093.9 | 20080.0 | 20087.9 | 20097.9 | 20101.8 |
| 5° | 19572.5 | 19553.6 | 19549.7 | 19590.4 | 19573.5 |
| 7.5° | 18520.8 | 18494.0 | 18453.3 | 18545.6 | 18632.0 |
| 10° | 16759.0 | 16729.2 | 16640.8 | 16684.5 | 16755.0 |
| 12.5° | 14158.0 | 14061.7 | 14059.7 | 14198.7 | 14179.8 |
| 15° | 10724.8 | 10595.7 | 10667.2 | 10632.4 | 10613.5 |
| 17.5° | 7212.1 | 7162.4 | 7257.8 | 7229.0 | 7104.8 |
| 20° | 5188.1 | 5201.0 | 5382.7 | 5291.4 | 5181.1 |
| 22.5° | 3785.8 | 3832.5 | 4048.0 | 3812.6 | 3726.2 |
| 25° | 2520.6 | 2615.9 | 2842.3 | 2549.4 | 2468.9 |
| 27.5° | 1550.3 | 1594.0 | 1823.4 | 1530.4 | 1486.7 |
| 30° | 964.3 | 942.5 | 1050.7 | 901.8 | 840.2 |
| 32.5° | 632.6 | 604.8 | 639.6 | 574.0 | 524.4 |
| 35° | 423.1 | 432.0 | 405.2 | 402.2 | 339.6 |
| 37.5° | 264.2 | 303.9 | 268.1 | 286.0 | 218.5 |
| 40° | 170.8 | 220.5 | 189.7 | 209.5 | 160.9 |
| 42.5° | 140.0 | 169.8 | 155.9 | 165.9 | 143.0 |
| 45° | 111.2 | 138.0 | 138.0 | 138.0 | 112.2 |
| 47.5° | 61.6 | 92.4 | 118.2 | 94.3 | 65.5 |
| 50° | 34.8 | 46.7 | 91.4 | 48.7 | 36.7 |
| 52.5° | 23.8 | 26.8 | 62.6 | 27.8 | 24.8 |
| 55° | 17.9 | 18.9 | 33.8 | 19.9 | 18.9 |
| 57.5° | 13.9 | 14.9 | 17.9 | 14.9 | 13.9 |
| 60° | 10.9 | 10.9 | 12.9 | 11.9 | 10.9 |
| 62.5° | 7.9 | 7.9 | 8.9 | 7.9 | 7.9 |
| 65° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 67.5° | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 70° | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 |
| 72.5° | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 75° | 0.0 | 0.0 | 1.0 | 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)