

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: P786605

Luminaire Tested: LERS6D15D010-EC6DR1515309024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786605
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: LERS6D15D010-EC6DR1515309024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1360.1 lumens
Efficiency: N/A
Efficacy: 86.1 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

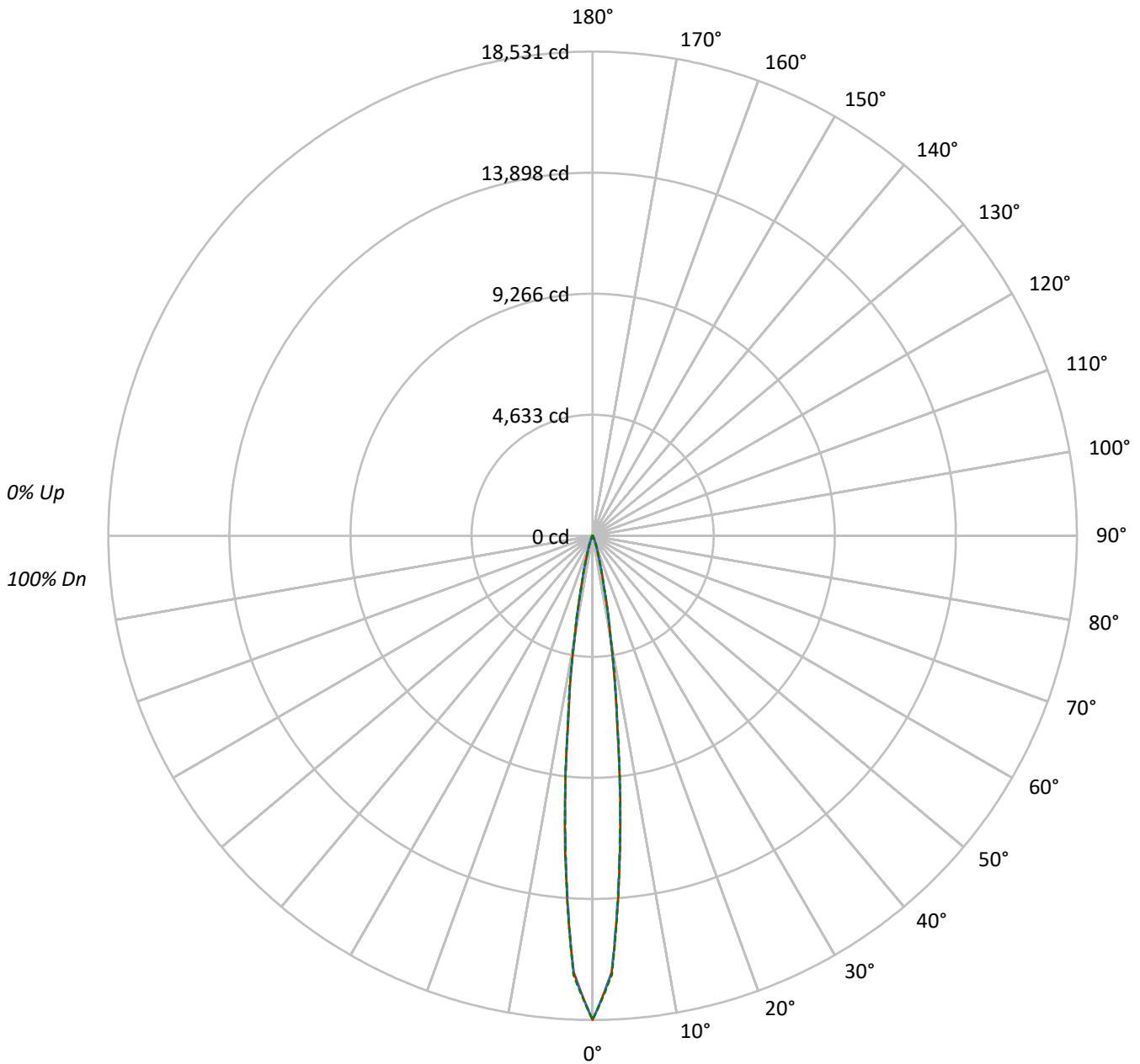
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P786605
CATALOG NUMBER: LERS6D15D010-EC6DR1515309024-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P786605

CATALOG NUMBER: LERS6D15D010-EC6DR1515309024-6LBS1LI

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 | 87 | 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° | 2085073 | 2085073 | 2085073 |
| 5° | 1225289 | 1209425 | 1218988 |
| 10° | 365691 | 368257 | 373893 |
| 15° | 90965 | 92737 | 89871 |
| 20° | 27214 | 31518 | 27795 |
| 25° | 9597 | 12223 | 9714 |
| 30° | 3527 | 4643 | 3587 |
| 35° | 1765 | 1997 | 1707 |
| 40° | 1115 | 1229 | 1115 |
| 45° | 826 | 882 | 826 |
| 50° | 654 | 654 | 654 |
| 55° | 543 | 543 | 543 |
| 60° | 442 | 442 | 442 |
| 65° | 335 | 335 | 335 |
| 70° | 285 | 285 | 285 |
| 75° | 181 | 181 | 234 |
| 80° | 126 | 126 | 126 |
| 85° | 66 | 66 | 66 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 882 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 882.1 | 64.9 |
| 10°-20° | 362.8 | 26.7 |
| 20°-30° | 72.1 | 5.3 |
| 30°-40° | 18.0 | 1.3 |
| 40°-50° | 9.5 | 0.7 |
| 50°-60° | 7.0 | 0.5 |
| 60°-70° | 4.9 | 0.4 |
| 70°-80° | 2.8 | 0.2 |
| 80°-90° | 0.9 | 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° | 1317.0 | 96.8 |
| 0°-40° | 1335.0 | 98.2 |
| 0°-60° | 1351.5 | 99.4 |
| 0°-90° | 1360.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1360.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 18531 | 18531 | 18531 | 18531 | 18531 | |
| 5° | 12056 | 11933 | 11900 | 11983 | 11994 | 880 |
| 15° | 1047 | 1067 | 1068 | 1049 | 1035 | 359 |
| 25° | 123 | 140 | 157 | 139 | 125 | 65 |
| 35° | 24 | 26 | 28 | 26 | 24 | 16 |
| 45° | 12 | 12 | 13 | 12 | 12 | 9 |
| 55° | 8 | 8 | 8 | 8 | 8 | 7 |
| 65° | 5 | 5 | 5 | 5 | 5 | 5 |
| 75° | 2 | 2 | 2 | 2 | 3 | 3 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 18530.7 | 18530.7 | 18530.7 | 18530.7 | 18530.7 |
| 2.5° | 16715.5 | 16729.6 | 16735.1 | 16751.5 | 16812.7 |
| 5° | 12056.5 | 11932.6 | 11900.4 | 11982.8 | 11994.5 |
| 7.5° | 7141.8 | 7166.9 | 7258.7 | 7279.1 | 7205.3 |
| 10° | 3919.2 | 3951.4 | 3946.7 | 3974.9 | 4007.1 |
| 12.5° | 2004.3 | 1979.2 | 1971.4 | 2003.5 | 1958.8 |
| 15° | 1047.3 | 1066.9 | 1067.7 | 1048.8 | 1034.7 |
| 17.5° | 563.2 | 586.0 | 623.7 | 593.1 | 546.0 |
| 20° | 332.6 | 353.0 | 385.2 | 360.1 | 339.7 |
| 22.5° | 205.5 | 222.0 | 244.8 | 225.1 | 208.7 |
| 25° | 123.2 | 139.6 | 156.9 | 138.9 | 124.7 |
| 27.5° | 73.0 | 87.1 | 98.1 | 86.3 | 72.2 |
| 30° | 47.1 | 54.9 | 62.0 | 54.1 | 47.9 |
| 32.5° | 32.9 | 36.1 | 39.2 | 36.1 | 32.9 |
| 35° | 24.3 | 25.9 | 27.5 | 25.9 | 23.5 |
| 37.5° | 18.8 | 20.4 | 21.2 | 19.6 | 18.0 |
| 40° | 15.7 | 16.5 | 17.3 | 16.5 | 15.7 |
| 42.5° | 13.3 | 14.1 | 14.1 | 14.1 | 13.3 |
| 45° | 11.8 | 11.8 | 12.6 | 11.8 | 11.8 |
| 47.5° | 10.2 | 10.2 | 11.0 | 10.2 | 10.2 |
| 50° | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| 52.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 55° | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 57.5° | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| 60° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 62.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 65° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 67.5° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 70° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 72.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 75° | 2.4 | 2.4 | 2.4 | 2.4 | 3.1 |
| 77.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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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