

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: P786614

Luminaire Tested: LERS6D15D010-EC6DR1515309030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786614
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-EC6DR1515309030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1410.4 lumens
Efficiency: N/A
Efficacy: 89.3 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

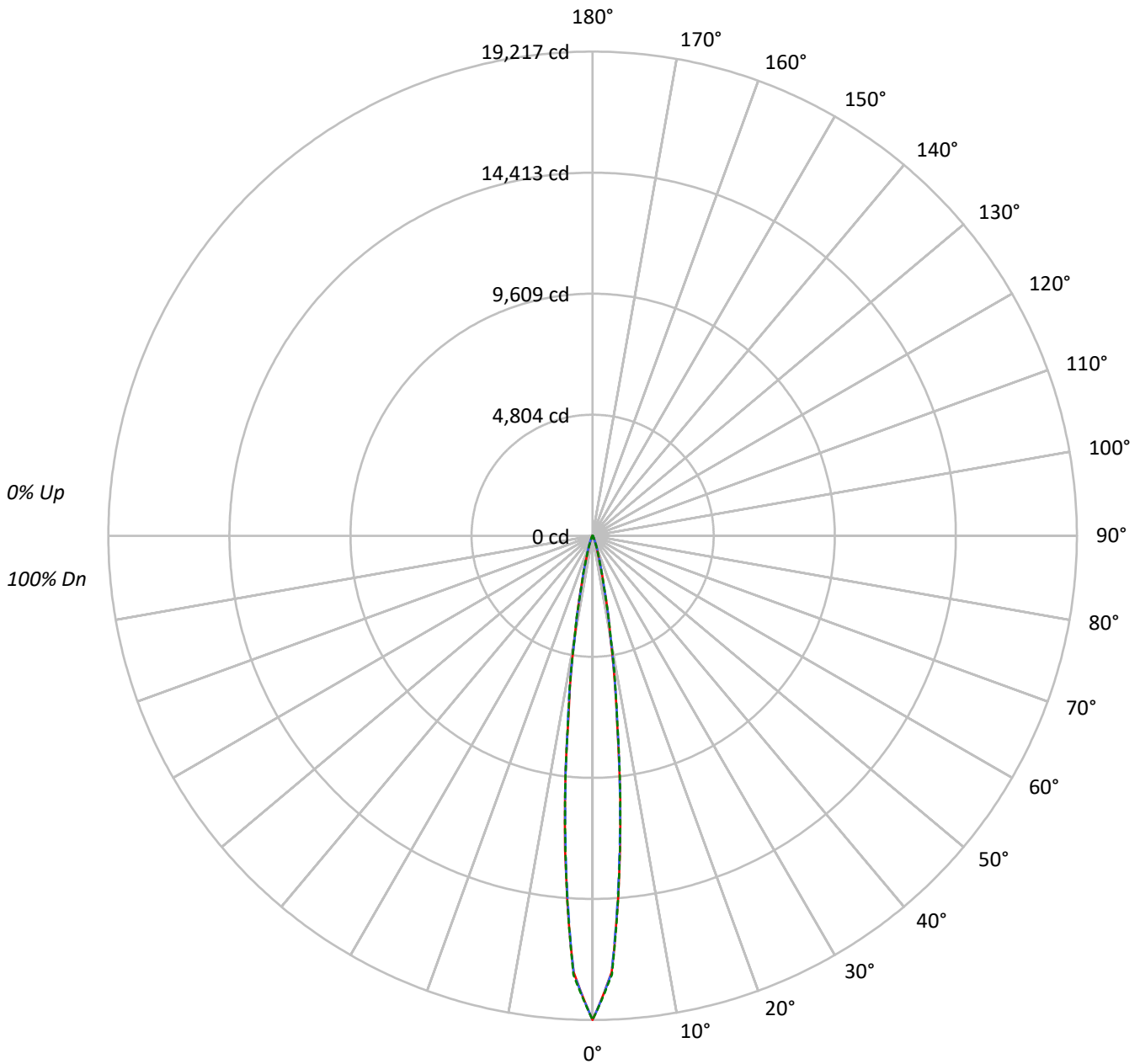


Downlight

TEST NUMBER: P786614

CATALOG NUMBER: LERS6D15D010-EC6DR1515309030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P786614

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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 | | | | 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° | 2162330 | 2162330 | 2162330 |
| 5° | 1270687 | 1254233 | 1264152 |
| 10° | 379239 | 381899 | 387740 |
| 15° | 94335 | 96168 | 93206 |
| 20° | 28221 | 32680 | 28826 |
| 25° | 9948 | 12674 | 10080 |
| 30° | 3654 | 4815 | 3714 |
| 35° | 1830 | 2070 | 1772 |
| 40° | 1158 | 1271 | 1158 |
| 45° | 854 | 910 | 854 |
| 50° | 681 | 681 | 681 |
| 55° | 564 | 564 | 564 |
| 60° | 456 | 456 | 456 |
| 65° | 350 | 350 | 350 |
| 70° | 300 | 300 | 300 |
| 75° | 181 | 181 | 249 |
| 80° | 126 | 126 | 126 |
| 85° | 66 | 66 | 66 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 910 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 914.8 | 64.9 |
| 10°-20° | 376.3 | 26.7 |
| 20°-30° | 74.7 | 5.3 |
| 30°-40° | 18.7 | 1.3 |
| 40°-50° | 9.8 | 0.7 |
| 50°-60° | 7.3 | 0.5 |
| 60°-70° | 5.1 | 0.4 |
| 70°-80° | 2.9 | 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° | 1365.8 | 96.8 |
| 0°-40° | 1384.4 | 98.2 |
| 0°-60° | 1401.5 | 99.4 |
| 0°-90° | 1410.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1410.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 19217 | 19217 | 19217 | 19217 | 19217 | |
| 5° | 12503 | 12375 | 12341 | 12427 | 12439 | 913 |
| 15° | 1086 | 1106 | 1107 | 1088 | 1073 | 372 |
| 25° | 128 | 145 | 163 | 144 | 129 | 67 |
| 35° | 25 | 27 | 28 | 27 | 24 | 17 |
| 45° | 12 | 12 | 13 | 12 | 12 | 10 |
| 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° | 19217.3 | 19217.3 | 19217.3 | 19217.3 | 19217.3 |
| 2.5° | 17334.8 | 17349.4 | 17355.1 | 17372.2 | 17435.7 |
| 5° | 12503.2 | 12374.7 | 12341.3 | 12426.7 | 12438.9 |
| 7.5° | 7406.4 | 7432.5 | 7527.6 | 7548.8 | 7472.3 |
| 10° | 4064.4 | 4097.8 | 4092.9 | 4122.2 | 4155.5 |
| 12.5° | 2078.6 | 2052.5 | 2044.4 | 2077.8 | 2031.4 |
| 15° | 1086.1 | 1106.4 | 1107.2 | 1087.7 | 1073.1 |
| 17.5° | 584.1 | 607.7 | 646.8 | 615.0 | 566.2 |
| 20° | 344.9 | 366.1 | 399.4 | 373.4 | 352.3 |
| 22.5° | 213.1 | 230.2 | 253.8 | 233.5 | 216.4 |
| 25° | 127.7 | 144.8 | 162.7 | 144.0 | 129.4 |
| 27.5° | 75.7 | 90.3 | 101.7 | 89.5 | 74.8 |
| 30° | 48.8 | 56.9 | 64.3 | 56.1 | 49.6 |
| 32.5° | 34.2 | 37.4 | 40.7 | 37.4 | 34.2 |
| 35° | 25.2 | 26.8 | 28.5 | 26.8 | 24.4 |
| 37.5° | 19.5 | 21.2 | 22.0 | 20.3 | 18.7 |
| 40° | 16.3 | 17.1 | 17.9 | 17.1 | 16.3 |
| 42.5° | 13.8 | 14.6 | 14.6 | 14.6 | 13.8 |
| 45° | 12.2 | 12.2 | 13.0 | 12.2 | 12.2 |
| 47.5° | 10.6 | 10.6 | 11.4 | 10.6 | 10.6 |
| 50° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 52.5° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 55° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 57.5° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| 60° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 62.5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 65° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 67.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 70° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 72.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 75° | 2.4 | 2.4 | 2.4 | 2.4 | 3.3 |
| 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 |

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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