

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: P791228

Luminaire Tested: LER6D30D010-EC6DR1515309050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791228
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: LER6D30D010-EC6DR1515309050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3632.4 lumens
Efficiency: N/A
Efficacy: 125.3 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): 29
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

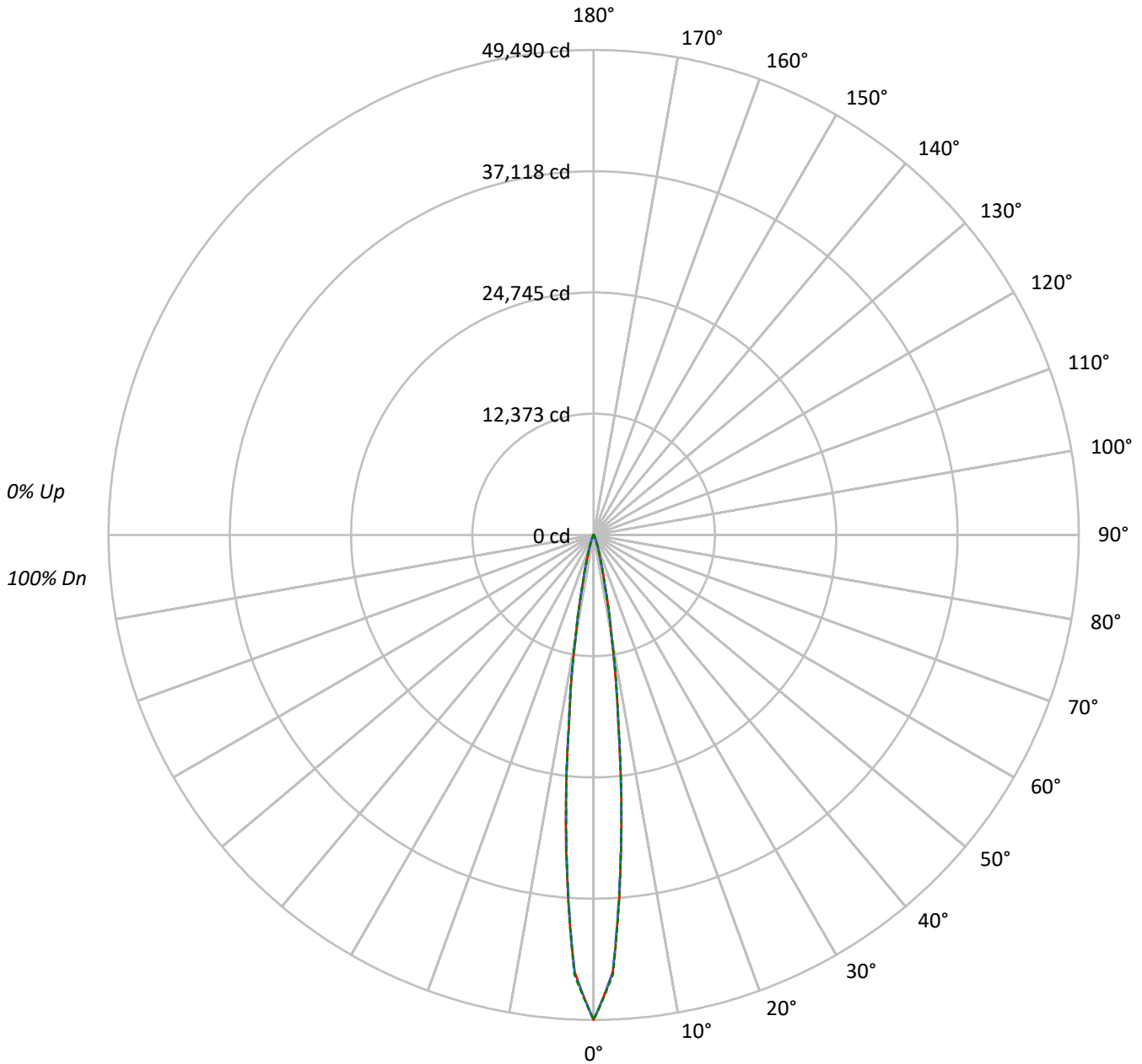


Downlight

TEST NUMBER: P791228

CATALOG NUMBER: LER6D30D010-EC6DR1515309050-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P791228

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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 | 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° | 5568601 | 5568601 | 5568601 |
| 5° | 3272369 | 3230000 | 3255550 |
| 10° | 976651 | 983490 | 998541 |
| 15° | 242930 | 247664 | 240020 |
| 20° | 72683 | 84171 | 74230 |
| 25° | 25622 | 32640 | 25949 |
| 30° | 9413 | 12393 | 9570 |
| 35° | 4713 | 5323 | 4568 |
| 40° | 2976 | 3274 | 2976 |
| 45° | 2198 | 2345 | 2198 |
| 50° | 1745 | 1745 | 1745 |
| 55° | 1462 | 1462 | 1462 |
| 60° | 1180 | 1180 | 1180 |
| 65° | 899 | 899 | 899 |
| 70° | 768 | 768 | 768 |
| 75° | 476 | 476 | 635 |
| 80° | 331 | 331 | 331 |
| 85° | 174 | 174 | 174 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2345 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2355.8 | 64.9 |
| 10°-20° | 969.0 | 26.7 |
| 20°-30° | 192.5 | 5.3 |
| 30°-40° | 48.0 | 1.3 |
| 40°-50° | 25.2 | 0.7 |
| 50°-60° | 18.7 | 0.5 |
| 60°-70° | 13.3 | 0.4 |
| 70°-80° | 7.5 | 0.2 |
| 80°-90° | 2.3 | 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° | 3517.3 | 96.8 |
| 0°-40° | 3565.3 | 98.2 |
| 0°-60° | 3609.3 | 99.4 |
| 0°-90° | 3632.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3632.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 49490 | 49490 | 49490 | 49490 | 49490 | |
| 5° | 32199 | 31868 | 31782 | 32002 | 32034 | 2351 |
| 15° | 2797 | 2849 | 2851 | 2801 | 2763 | 959 |
| 25° | 329 | 373 | 419 | 371 | 333 | 173 |
| 35° | 65 | 69 | 73 | 69 | 63 | 44 |
| 45° | 31 | 31 | 34 | 31 | 31 | 25 |
| 55° | 21 | 21 | 21 | 21 | 21 | 19 |
| 65° | 13 | 13 | 13 | 13 | 13 | 13 |
| 75° | 6 | 6 | 6 | 6 | 8 | 7 |
| 85° | 2 | 2 | 2 | 2 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 49489.9 | 49489.9 | 49489.9 | 49489.9 | 49489.9 |
| 2.5° | 44641.9 | 44679.6 | 44694.2 | 44738.2 | 44901.7 |
| 5° | 32199.2 | 31868.2 | 31782.3 | 32002.3 | 32033.7 |
| 7.5° | 19073.6 | 19140.6 | 19385.7 | 19440.2 | 19243.3 |
| 10° | 10467.0 | 10552.9 | 10540.3 | 10615.7 | 10701.6 |
| 12.5° | 5352.9 | 5285.9 | 5264.9 | 5350.8 | 5231.4 |
| 15° | 2796.9 | 2849.3 | 2851.4 | 2801.1 | 2763.4 |
| 17.5° | 1504.3 | 1565.0 | 1665.6 | 1583.9 | 1458.2 |
| 20° | 888.3 | 942.8 | 1028.7 | 961.6 | 907.2 |
| 22.5° | 548.9 | 592.9 | 653.7 | 601.3 | 557.3 |
| 25° | 328.9 | 372.9 | 419.0 | 370.8 | 333.1 |
| 27.5° | 194.8 | 232.6 | 261.9 | 230.5 | 192.7 |
| 30° | 125.7 | 146.7 | 165.5 | 144.6 | 127.8 |
| 32.5° | 88.0 | 96.4 | 104.8 | 96.4 | 88.0 |
| 35° | 64.9 | 69.1 | 73.3 | 69.1 | 62.9 |
| 37.5° | 50.3 | 54.5 | 56.6 | 52.4 | 48.2 |
| 40° | 41.9 | 44.0 | 46.1 | 44.0 | 41.9 |
| 42.5° | 35.6 | 37.7 | 37.7 | 37.7 | 35.6 |
| 45° | 31.4 | 31.4 | 33.5 | 31.4 | 31.4 |
| 47.5° | 27.2 | 27.2 | 29.3 | 27.2 | 27.2 |
| 50° | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| 52.5° | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 |
| 55° | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 57.5° | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 |
| 60° | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 62.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 65° | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| 67.5° | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| 70° | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 72.5° | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 |
| 75° | 6.3 | 6.3 | 6.3 | 6.3 | 8.4 |
| 77.5° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 80° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 82.5° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 85° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 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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