

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: P791219

Luminaire Tested: LER6D30D010-EC6DR1515309040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791219
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-EC6DR1515309040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3449.8 lumens
Efficiency: N/A
Efficacy: 119.0 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

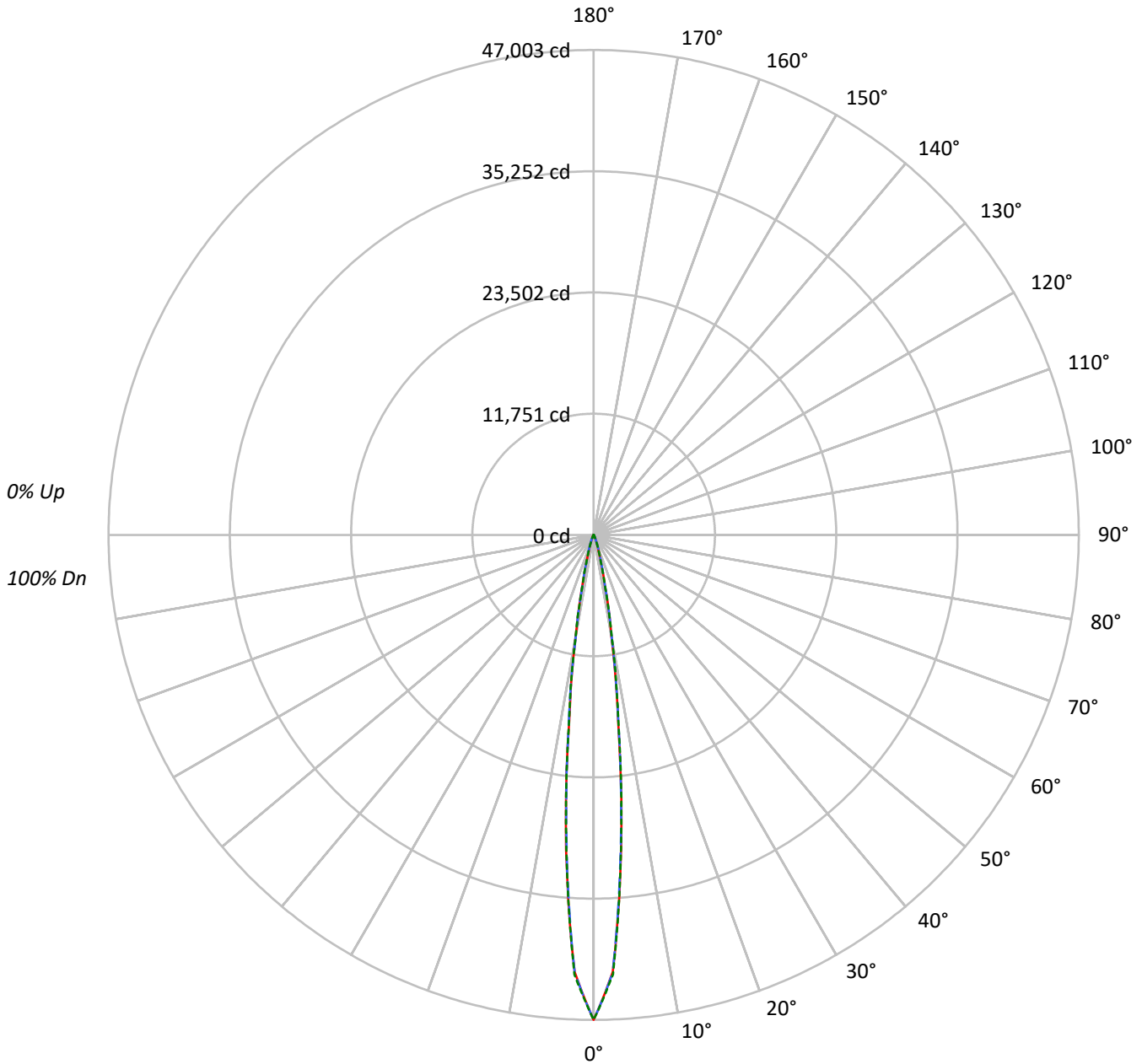
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P791219
CATALOG NUMBER: LER6D30D010-EC6DR1515309040-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P791219

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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° | 5288775 | 5288775 | 5288775 |
| 5° | 3107934 | 3067689 | 3091958 |
| 10° | 927571 | 934074 | 948369 |
| 15° | 230727 | 235217 | 227956 |
| 20° | 69034 | 79941 | 70499 |
| 25° | 24336 | 31004 | 24648 |
| 30° | 8941 | 11771 | 9091 |
| 35° | 4481 | 5054 | 4335 |
| 40° | 2826 | 3110 | 2826 |
| 45° | 2086 | 2226 | 2086 |
| 50° | 1662 | 1662 | 1662 |
| 55° | 1385 | 1385 | 1385 |
| 60° | 1116 | 1116 | 1116 |
| 65° | 849 | 849 | 849 |
| 70° | 724 | 724 | 724 |
| 75° | 454 | 454 | 605 |
| 80° | 315 | 315 | 315 |
| 85° | 166 | 166 | 166 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2226 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2237.4 | 64.9 |
| 10°-20° | 920.3 | 26.7 |
| 20°-30° | 182.8 | 5.3 |
| 30°-40° | 45.6 | 1.3 |
| 40°-50° | 24.0 | 0.7 |
| 50°-60° | 17.8 | 0.5 |
| 60°-70° | 12.5 | 0.4 |
| 70°-80° | 7.2 | 0.2 |
| 80°-90° | 2.2 | 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° | 3340.6 | 96.8 |
| 0°-40° | 3386.2 | 98.2 |
| 0°-60° | 3427.9 | 99.4 |
| 0°-90° | 3449.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3449.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 47003 | 47003 | 47003 | 47003 | 47003 | |
| 5° | 30581 | 30267 | 30185 | 30394 | 30424 | 2233 |
| 15° | 2656 | 2706 | 2708 | 2660 | 2624 | 911 |
| 25° | 312 | 354 | 398 | 352 | 316 | 164 |
| 35° | 62 | 66 | 70 | 66 | 60 | 42 |
| 45° | 30 | 30 | 32 | 30 | 30 | 23 |
| 55° | 20 | 20 | 20 | 20 | 20 | 18 |
| 65° | 12 | 12 | 12 | 12 | 12 | 13 |
| 75° | 6 | 6 | 6 | 6 | 8 | 7 |
| 85° | 2 | 2 | 2 | 2 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P791219

CATALOG NUMBER: LER6D30D010-EC6DR1515309040-6LBS1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 47003.0 | 47003.0 | 47003.0 | 47003.0 | 47003.0 |
| 2.5° | 42398.6 | 42434.4 | 42448.3 | 42490.1 | 42645.3 |
| 5° | 30581.2 | 30266.8 | 30185.2 | 30394.1 | 30424.0 |
| 7.5° | 18115.1 | 18178.8 | 18411.6 | 18463.3 | 18276.3 |
| 10° | 9941.0 | 10022.6 | 10010.7 | 10082.3 | 10163.9 |
| 12.5° | 5083.9 | 5020.3 | 5000.4 | 5081.9 | 4968.5 |
| 15° | 2656.4 | 2706.1 | 2708.1 | 2660.4 | 2624.5 |
| 17.5° | 1428.7 | 1486.4 | 1581.9 | 1504.3 | 1384.9 |
| 20° | 843.7 | 895.4 | 977.0 | 913.3 | 861.6 |
| 22.5° | 521.3 | 563.1 | 620.8 | 571.1 | 529.3 |
| 25° | 312.4 | 354.2 | 398.0 | 352.2 | 316.4 |
| 27.5° | 185.1 | 220.9 | 248.7 | 218.9 | 183.1 |
| 30° | 119.4 | 139.3 | 157.2 | 137.3 | 121.4 |
| 32.5° | 83.6 | 91.5 | 99.5 | 91.5 | 83.6 |
| 35° | 61.7 | 65.7 | 69.6 | 65.7 | 59.7 |
| 37.5° | 47.8 | 51.7 | 53.7 | 49.7 | 45.8 |
| 40° | 39.8 | 41.8 | 43.8 | 41.8 | 39.8 |
| 42.5° | 33.8 | 35.8 | 35.8 | 35.8 | 33.8 |
| 45° | 29.8 | 29.8 | 31.8 | 29.8 | 29.8 |
| 47.5° | 25.9 | 25.9 | 27.9 | 25.9 | 25.9 |
| 50° | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 |
| 52.5° | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 |
| 55° | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 |
| 57.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 60° | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 |
| 62.5° | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 |
| 65° | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 67.5° | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 70° | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 |
| 72.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 75° | 6.0 | 6.0 | 6.0 | 6.0 | 8.0 |
| 77.5° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 80° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 82.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 85° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 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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