

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: P791231

Luminaire Tested: LER6D30D010-EC6DR2015309024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR2015309024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525.7 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

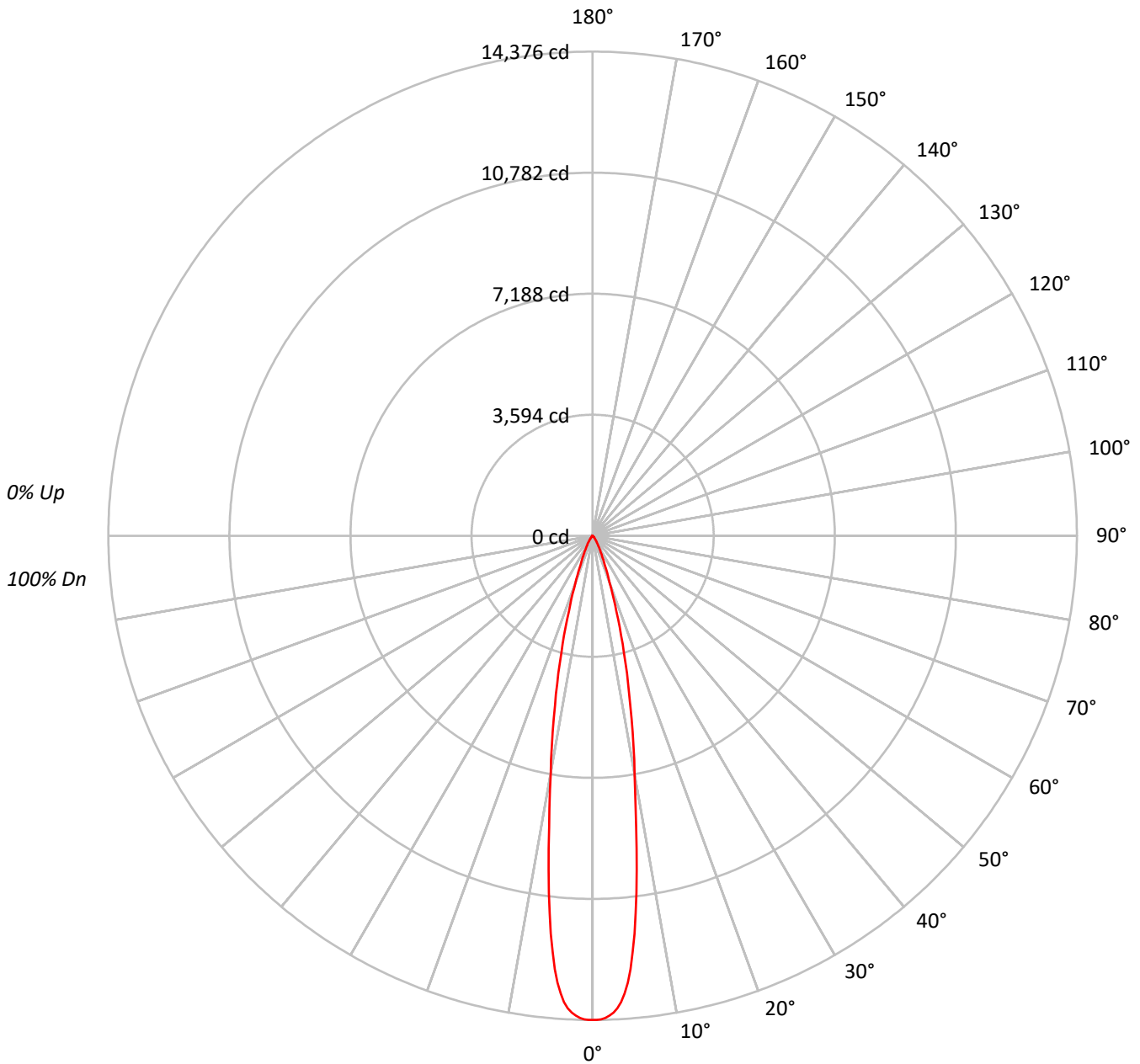
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P791231
CATALOG NUMBER: LER6D30D010-EC6DR2015309024-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P791231

CATALOG NUMBER: LER6D30D010-EC6DR2015309024-6LBDP1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 | | |
| RW | 70 | 50 | 30 | 10 | 70 | 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 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | | 103 | 102 | 101 | | 100 | 99 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99 | | 100 | 99 | 97 | | 98 | 96 | 95 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | | 97 | 95 | 93 | | 95 | 93 | 92 | 91 |
| 4 | 105 | 99 | 96 | 93 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | | 95 | 92 | 90 | | 93 | 91 | 89 | 88 |
| 5 | 102 | 96 | 92 | 89 | 100 | 95 | 91 | 89 | 94 | 90 | 88 | | 92 | 89 | 87 | | 91 | 88 | 86 | 85 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 88 | 86 | 91 | 87 | 85 | | 90 | 87 | 84 | | 88 | 86 | 84 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 89 | 86 | 83 | 88 | 85 | 82 | | 87 | 84 | 82 | | 86 | 84 | 82 | 81 |
| 8 | 94 | 87 | 83 | 81 | 93 | 87 | 83 | 80 | 86 | 83 | 80 | | 85 | 82 | 80 | | 84 | 82 | 80 | 79 |
| 9 | 91 | 85 | 81 | 78 | 91 | 85 | 81 | 78 | 84 | 80 | 78 | | 83 | 80 | 78 | | 82 | 80 | 78 | 77 |
| 10 | 89 | 83 | 79 | 76 | 88 | 82 | 79 | 76 | 82 | 78 | 76 | | 81 | 78 | 76 | | 81 | 78 | 76 | 75 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1570689 |
| 5° | 1417052 |
| 10° | 795329 |
| 15° | 404285 |
| 20° | 171165 |
| 25° | 79012 |
| 30° | 41823 |
| 35° | 22542 |
| 40° | 12052 |
| 45° | 7123 |
| 50° | 4131 |
| 55° | 2191 |
| 60° | 1399 |
| 65° | 982 |
| 70° | 415 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7123 cd/sqm



TEST NUMBER: P791231

CATALOG NUMBER: LER6D30D010-EC6DR2015309024-6LBDP1B

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1023.5 | 40.5 |
| 10°-20° | 1007.8 | 39.9 |
| 20°-30° | 329.2 | 13.0 |
| 30°-40° | 112.1 | 4.4 |
| 40°-50° | 37.7 | 1.5 |
| 50°-60° | 11.4 | 0.4 |
| 60°-70° | 3.8 | 0.1 |
| 70°-80° | 0.2 | 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° | 2360.6 | 93.5 |
| 0°-40° | 2472.7 | 97.9 |
| 0°-60° | 2521.7 | 99.8 |
| 0°-90° | 2525.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2525.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-------|------|
| 0° | 14376 | |
| 5° | 12920 | ### |
| 15° | 3574 | 1008 |
| 25° | 655 | 329 |
| 35° | 169 | 112 |
| 45° | 46 | 38 |
| 55° | 12 | 11 |
| 65° | 4 | 4 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P791231

CATALOG NUMBER: LER6D30D010-EC6DR2015309024-6LBDP1B

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|---------|
| 0° | 14375.6 |
| 0.5° | 14375.6 |
| 1° | 14357.7 |
| 1.5° | 14321.8 |
| 2° | 14256.6 |
| 2.5° | 14169.5 |
| 3° | 14046.6 |
| 3.5° | 13875.1 |
| 4° | 13620.4 |
| 4.5° | 13310.6 |
| 5° | 12920.1 |
| 5.5° | 12406.8 |
| 6° | 11880.7 |
| 6.5° | 11277.8 |
| 7° | 10687.6 |
| 7.5° | 9996.4 |
| 8° | 9379.4 |
| 8.5° | 8758.5 |
| 9° | 8185.0 |
| 9.5° | 7658.9 |
| 10° | 7168.6 |
| 12.5° | 5147.3 |
| 15° | 3574.1 |
| 17.5° | 2334.9 |
| 20° | 1472.1 |
| 22.5° | 953.7 |
| 25° | 655.4 |
| 27.5° | 460.8 |
| 30° | 331.5 |
| 32.5° | 238.1 |
| 35° | 169.0 |
| 37.5° | 117.8 |
| 40° | 84.5 |
| 42.5° | 61.4 |
| 45° | 46.1 |
| 47.5° | 35.8 |
| 50° | 24.3 |
| 52.5° | 15.4 |
| 55° | 11.5 |
| 57.5° | 9.0 |
| 60° | 6.4 |
| 62.5° | 5.1 |
| 65° | 3.8 |



TEST NUMBER: P791231

CATALOG NUMBER: LER6D30D010-EC6DR2015309024-6LBDP1B

CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 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



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

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





| | | |
|-------|--|-----|
| 67.5° | | 2.6 |
| 70° | | 1.3 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)