

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: P791342

Luminaire Tested: LER6D30D010-EC6DR3020359027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR3020359027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5263.7 lumens
Efficiency: N/A
Efficacy: 181.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

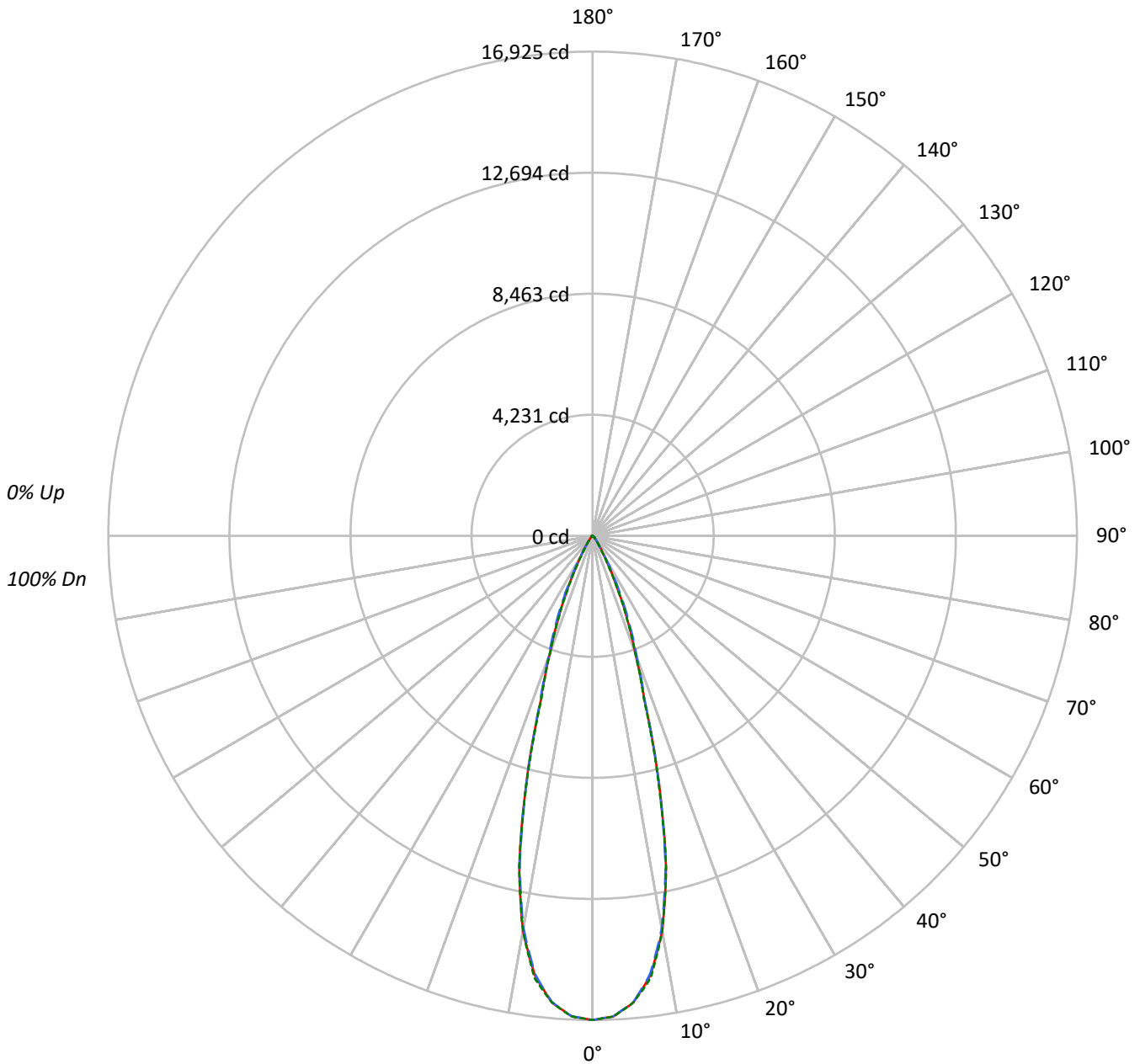


Downlight

TEST NUMBER: P791342

CATALOG NUMBER: LER6D30D010-EC6DR3020359027-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P791342

CATALOG NUMBER: LER6D30D010-EC6DR3020359027-6LBS1MW

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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | | | | 96 | | | | | | | | | | | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 | | | | | | 92 | | | | | | | | | | | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | | | | | | 89 | | | | | | | | | | | | | |
| 4 | 103 | 98 | 93 | 90 | 102 | 96 | 93 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 85 | | | | | | 85 | | | | | | | | | | | | | |
| 5 | 100 | 94 | 89 | 86 | 98 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 86 | 84 | 88 | 86 | 83 | 82 | | | | | | 82 | | | | | | | | | | | | | |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 | | | | | | 79 | | | | | | | | | | | | | |
| 7 | 94 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 77 | | | | | | 77 | | | | | | | | | | | | | |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | | | | | | 74 | | | | | | | | | | | | | |
| 9 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | | | | | | 72 | | | | | | | | | | | | | |
| 10 | 85 | 78 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 76 | 73 | 70 | 69 | | | | | | 69 | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1295528 | 1295528 | 1295528 |
| 5° | 1258340 | 1256864 | 1258401 |
| 10° | 1089911 | 1082224 | 1089654 |
| 15° | 711116 | 707296 | 703738 |
| 20° | 353600 | 366869 | 353127 |
| 25° | 178118 | 200862 | 174470 |
| 30° | 71318 | 77708 | 62134 |
| 35° | 33079 | 31677 | 26556 |
| 40° | 14279 | 15857 | 13449 |
| 45° | 10078 | 12503 | 10165 |
| 50° | 3465 | 9110 | 3656 |
| 55° | 2002 | 3777 | 2108 |
| 60° | 1393 | 1653 | 1393 |
| 65° | 906 | 906 | 906 |
| 70° | 559 | 380 | 559 |
| 75° | 0 | 237 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12503 cd/sqm



TEST NUMBER: P791342

CATALOG NUMBER: LER6D30D010-EC6DR3020359027-6LBS1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1488.3 | 28.3 |
| 10°-20° | 2397.0 | 45.5 |
| 20°-30° | 1035.8 | 19.7 |
| 30°-40° | 236.1 | 4.5 |
| 40°-50° | 81.1 | 1.5 |
| 50°-60° | 19.8 | 0.4 |
| 60°-70° | 5.1 | 0.1 |
| 70°-80° | 0.5 | 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° | 4921.1 | 93.5 |
| 0°-40° | 5157.2 | 98.0 |
| 0°-60° | 5258.1 | 99.9 |
| 0°-90° | 5263.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5263.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 16925 | 16925 | 16925 | 16925 | 16925 | |
| 5° | 16377 | 16361 | 16358 | 16392 | 16378 | 1490 |
| 15° | 8974 | 8866 | 8926 | 8896 | 8881 | 2403 |
| 25° | 2109 | 2189 | 2378 | 2133 | 2066 | 1010 |
| 35° | 354 | 362 | 339 | 336 | 284 | 240 |
| 45° | 93 | 116 | 116 | 116 | 94 | 66 |
| 55° | 15 | 16 | 28 | 17 | 16 | 15 |
| 65° | 5 | 5 | 5 | 5 | 5 | 5 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P791342

CATALOG NUMBER: LER6D30D010-EC6DR3020359027-6LBS1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 16925.4 | 16925.4 | 16925.4 | 16925.4 | 16925.4 |
| 2.5° | 16813.2 | 16801.6 | 16808.2 | 16816.5 | 16819.9 |
| 5° | 16377.0 | 16361.2 | 16357.8 | 16391.9 | 16377.8 |
| 7.5° | 15496.9 | 15474.5 | 15440.4 | 15517.7 | 15590.0 |
| 10° | 14022.8 | 13997.9 | 13923.9 | 13960.5 | 14019.5 |
| 12.5° | 11846.4 | 11765.8 | 11764.2 | 11880.5 | 11864.7 |
| 15° | 8973.8 | 8865.7 | 8925.6 | 8896.5 | 8880.7 |
| 17.5° | 6034.6 | 5993.0 | 6072.8 | 6048.7 | 5944.8 |
| 20° | 4341.0 | 4351.8 | 4503.9 | 4427.5 | 4335.2 |
| 22.5° | 3167.7 | 3206.8 | 3387.1 | 3190.1 | 3117.8 |
| 25° | 2109.0 | 2188.8 | 2378.3 | 2133.1 | 2065.8 |
| 27.5° | 1297.2 | 1333.7 | 1525.7 | 1280.5 | 1244.0 |
| 30° | 806.9 | 788.6 | 879.2 | 754.5 | 703.0 |
| 32.5° | 529.3 | 506.1 | 535.2 | 480.3 | 438.8 |
| 35° | 354.0 | 361.5 | 339.0 | 336.5 | 284.2 |
| 37.5° | 221.0 | 254.3 | 224.4 | 239.3 | 182.8 |
| 40° | 142.9 | 184.5 | 158.7 | 175.3 | 134.6 |
| 42.5° | 117.2 | 142.1 | 130.5 | 138.8 | 119.7 |
| 45° | 93.1 | 115.5 | 115.5 | 115.5 | 93.9 |
| 47.5° | 51.5 | 77.3 | 98.9 | 78.9 | 54.8 |
| 50° | 29.1 | 39.1 | 76.5 | 40.7 | 30.7 |
| 52.5° | 19.9 | 22.4 | 52.4 | 23.3 | 20.8 |
| 55° | 15.0 | 15.8 | 28.3 | 16.6 | 15.8 |
| 57.5° | 11.6 | 12.5 | 15.0 | 12.5 | 11.6 |
| 60° | 9.1 | 9.1 | 10.8 | 10.0 | 9.1 |
| 62.5° | 6.6 | 6.6 | 7.5 | 6.6 | 6.6 |
| 65° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 67.5° | 2.5 | 3.3 | 3.3 | 3.3 | 3.3 |
| 70° | 2.5 | 1.7 | 1.7 | 1.7 | 2.5 |
| 72.5° | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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

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

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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



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

Scaled Data Report



(END OF REPORT)