

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: P786074

Luminaire Tested: LERS6D08D010-EC6DR300210IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786074
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: LERS6D08D010-EC6DR300210IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1570.1 lumens
Efficiency: N/A
Efficacy: 176.4 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): 8.9
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

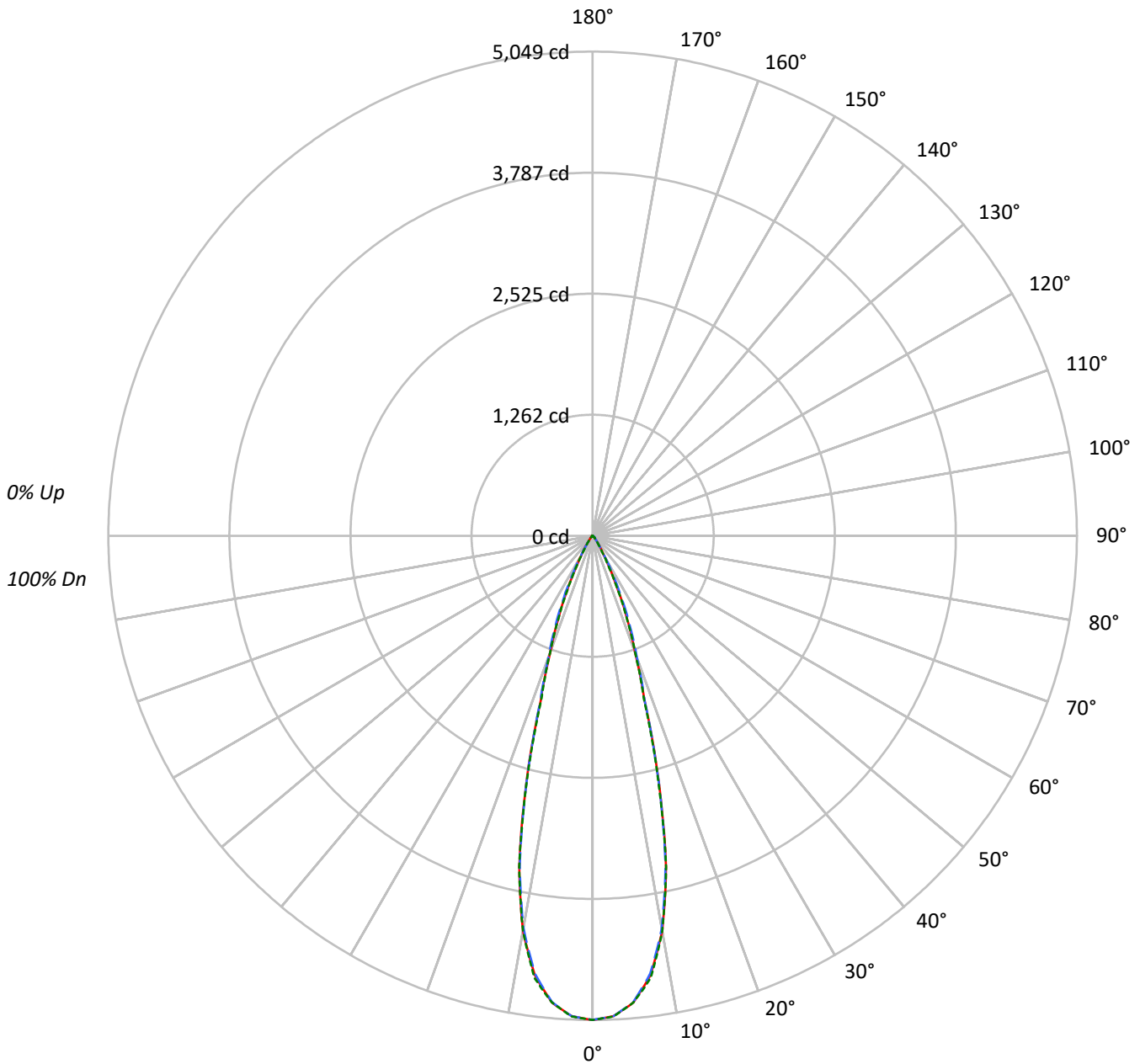


Downlight

TEST NUMBER: P786074

CATALOG NUMBER: LERS6D08D010-EC6DR300210IC9050-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P786074

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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 | 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° | 386437 | 386437 | 386437 |
| 5° | 375343 | 374905 | 375358 |
| 10° | 325105 | 322812 | 325027 |
| 15° | 212111 | 210970 | 209916 |
| 20° | 105477 | 109428 | 105330 |
| 25° | 53131 | 59913 | 52042 |
| 30° | 21274 | 23174 | 18534 |
| 35° | 9867 | 9447 | 7924 |
| 40° | 4257 | 4726 | 4017 |
| 45° | 3009 | 3735 | 3031 |
| 50° | 1036 | 2715 | 1096 |
| 55° | 601 | 1121 | 627 |
| 60° | 413 | 490 | 413 |
| 65° | 272 | 272 | 272 |
| 70° | 157 | 112 | 157 |
| 75° | 0 | 59 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3735 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 443.9 | 28.3 |
| 10°-20° | 715.0 | 45.5 |
| 20°-30° | 309.0 | 19.7 |
| 30°-40° | 70.4 | 4.5 |
| 40°-50° | 24.2 | 1.5 |
| 50°-60° | 5.9 | 0.4 |
| 60°-70° | 1.5 | 0.1 |
| 70°-80° | 0.1 | 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° | 1467.9 | 93.5 |
| 0°-40° | 1538.3 | 98.0 |
| 0°-60° | 1568.4 | 99.9 |
| 0°-90° | 1570.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1570.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5049 | 5049 | 5049 | 5049 | 5049 | |
| 5° | 4885 | 4880 | 4879 | 4889 | 4885 | 444 |
| 15° | 2677 | 2644 | 2662 | 2654 | 2649 | 717 |
| 25° | 629 | 653 | 709 | 636 | 616 | 301 |
| 35° | 106 | 108 | 101 | 100 | 85 | 72 |
| 45° | 28 | 34 | 34 | 34 | 28 | 20 |
| 55° | 4 | 5 | 8 | 5 | 5 | 4 |
| 65° | 2 | 2 | 2 | 2 | 2 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 5048.6 | 5048.6 | 5048.6 | 5048.6 | 5048.6 |
| 2.5° | 5015.1 | 5011.6 | 5013.6 | 5016.1 | 5017.1 |
| 5° | 4885.0 | 4880.3 | 4879.3 | 4889.4 | 4885.2 |
| 7.5° | 4622.5 | 4615.8 | 4605.6 | 4628.7 | 4650.2 |
| 10° | 4182.8 | 4175.3 | 4153.3 | 4164.2 | 4181.8 |
| 12.5° | 3533.6 | 3509.6 | 3509.1 | 3543.8 | 3539.1 |
| 15° | 2676.7 | 2644.5 | 2662.3 | 2653.7 | 2649.0 |
| 17.5° | 1800.0 | 1787.6 | 1811.4 | 1804.2 | 1773.2 |
| 20° | 1294.9 | 1298.1 | 1343.4 | 1320.6 | 1293.1 |
| 22.5° | 944.9 | 956.5 | 1010.3 | 951.6 | 930.0 |
| 25° | 629.1 | 652.9 | 709.4 | 636.3 | 616.2 |
| 27.5° | 386.9 | 397.8 | 455.1 | 382.0 | 371.1 |
| 30° | 240.7 | 235.2 | 262.2 | 225.1 | 209.7 |
| 32.5° | 157.9 | 151.0 | 159.6 | 143.3 | 130.9 |
| 35° | 105.6 | 107.8 | 101.1 | 100.4 | 84.8 |
| 37.5° | 65.9 | 75.8 | 66.9 | 71.4 | 54.5 |
| 40° | 42.6 | 55.0 | 47.3 | 52.3 | 40.2 |
| 42.5° | 34.9 | 42.4 | 38.9 | 41.4 | 35.7 |
| 45° | 27.8 | 34.5 | 34.5 | 34.5 | 28.0 |
| 47.5° | 15.4 | 23.1 | 29.5 | 23.5 | 16.4 |
| 50° | 8.7 | 11.6 | 22.8 | 12.1 | 9.2 |
| 52.5° | 5.9 | 6.7 | 15.6 | 6.9 | 6.2 |
| 55° | 4.5 | 4.7 | 8.4 | 5.0 | 4.7 |
| 57.5° | 3.5 | 3.7 | 4.5 | 3.7 | 3.5 |
| 60° | 2.7 | 2.7 | 3.2 | 3.0 | 2.7 |
| 62.5° | 2.0 | 2.0 | 2.2 | 2.0 | 2.0 |
| 65° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 67.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 |
| 70° | 0.7 | 0.5 | 0.5 | 0.5 | 0.7 |
| 72.5° | 0.5 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.2 | 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 |

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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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