

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: P786998

Luminaire Tested: LER6D02D010-EC6DR200210IC9030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786998
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: LER6D02D010-EC6DR200210IC9030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 384.1 lumens
Efficiency: N/A
Efficacy: 75.3 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): 5.1
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

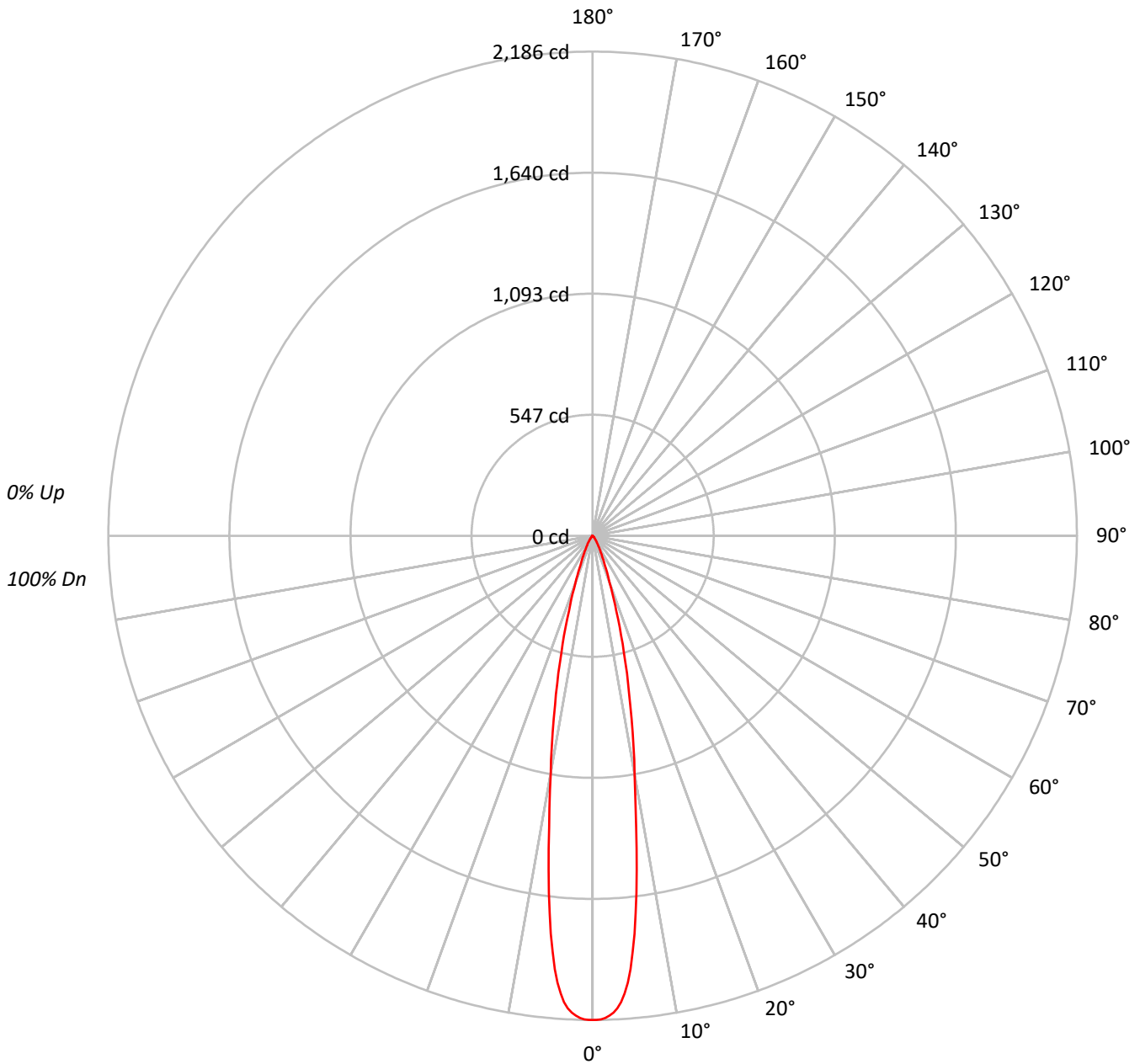


Downlight

TEST NUMBER: P786998

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P786998

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBS1MW

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

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 238855 |
| 5° | 215496 |
| 10° | 120943 |
| 15° | 61478 |
| 20° | 26033 |
| 25° | 12019 |
| 30° | 6359 |
| 35° | 3428 |
| 40° | 1826 |
| 45° | 1082 |
| 50° | 629 |
| 55° | 343 |
| 60° | 219 |
| 65° | 155 |
| 70° | 64 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1082 cd/sqm



TEST NUMBER: P786998

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBS1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 155.6 | 40.5 |
| 10°-20° | 153.3 | 39.9 |
| 20°-30° | 50.1 | 13.0 |
| 30°-40° | 17.0 | 4.4 |
| 40°-50° | 5.7 | 1.5 |
| 50°-60° | 1.7 | 0.5 |
| 60°-70° | 0.6 | 0.2 |
| 70°-80° | 0.0 | 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° | 359.0 | 93.5 |
| 0°-40° | 376.0 | 97.9 |
| 0°-60° | 383.5 | 99.8 |
| 0°-90° | 384.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 384.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2186 | |
| 5° | 1965 | 156 |
| 15° | 544 | 153 |
| 25° | 100 | 50 |
| 35° | 26 | 17 |
| 45° | 7 | 6 |
| 55° | 2 | 2 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P786998

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBS1MW

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 2186.1 |
| 0.5° | 2186.1 |
| 1° | 2183.4 |
| 1.5° | 2177.9 |
| 2° | 2168.0 |
| 2.5° | 2154.8 |
| 3° | 2136.1 |
| 3.5° | 2110.0 |
| 4° | 2071.2 |
| 4.5° | 2024.1 |
| 5° | 1964.8 |
| 5.5° | 1886.7 |
| 6° | 1806.7 |
| 6.5° | 1715.0 |
| 7° | 1625.3 |
| 7.5° | 1520.1 |
| 8° | 1426.3 |
| 8.5° | 1331.9 |
| 9° | 1244.7 |
| 9.5° | 1164.7 |
| 10° | 1090.1 |
| 12.5° | 782.8 |
| 15° | 543.5 |
| 17.5° | 355.1 |
| 20° | 223.9 |
| 22.5° | 145.0 |
| 25° | 99.7 |
| 27.5° | 70.1 |
| 30° | 50.4 |
| 32.5° | 36.2 |
| 35° | 25.7 |
| 37.5° | 17.9 |
| 40° | 12.8 |
| 42.5° | 9.3 |
| 45° | 7.0 |
| 47.5° | 5.5 |
| 50° | 3.7 |
| 52.5° | 2.3 |
| 55° | 1.8 |
| 57.5° | 1.4 |
| 60° | 1.0 |
| 62.5° | 0.8 |
| 65° | 0.6 |



TEST NUMBER: P786998
CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBS1MW

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° | | 0.4 |
| 70° | | 0.2 |

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

Scaled Data Report



(END OF REPORT)