

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: P789997

Luminaire Tested: LER6D20D010-EC6DR1015209027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR1015209027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 10° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2032.1 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 0.17 / 0.17 / 0.18
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

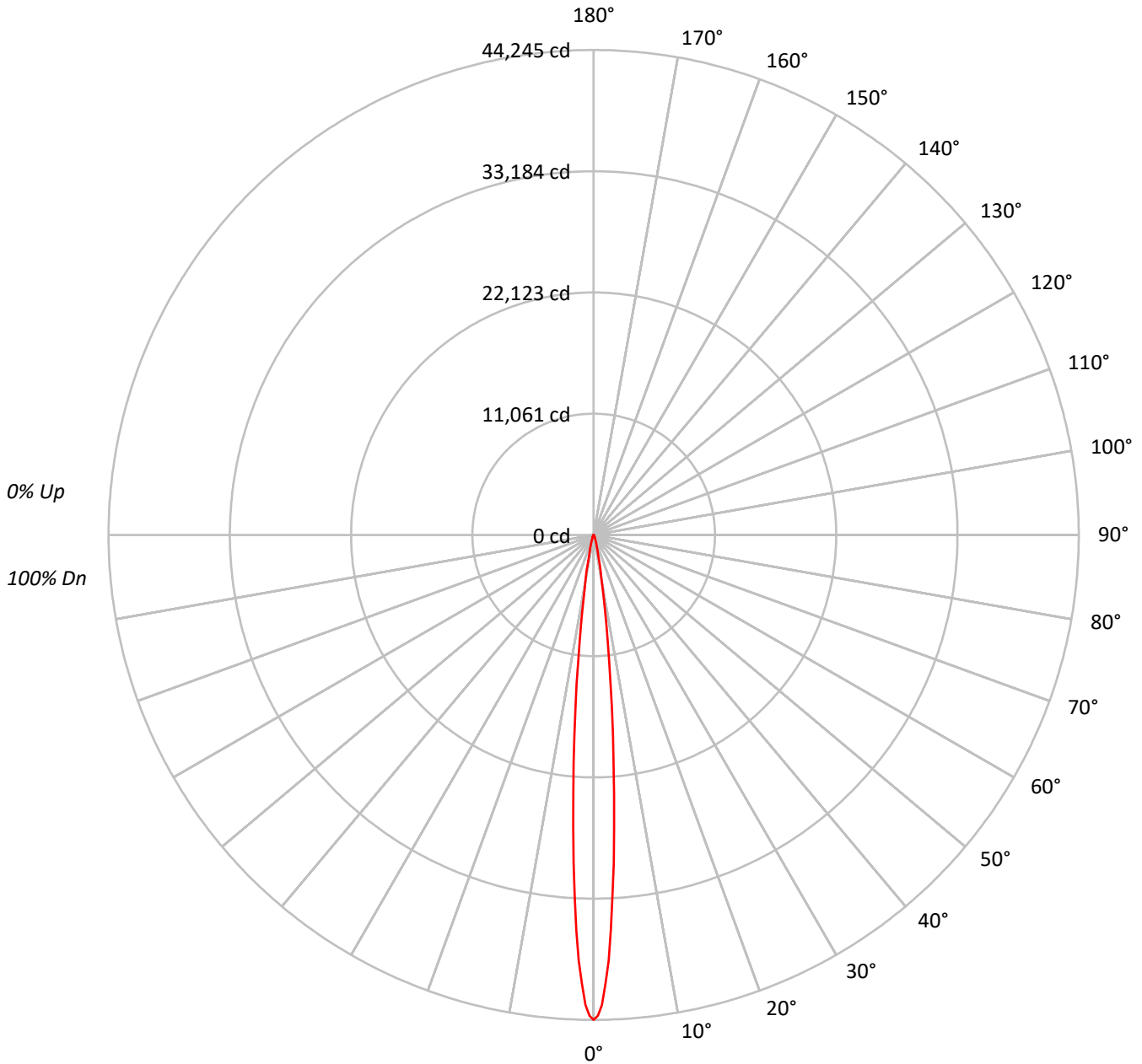
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





TEST NUMBER: P789997

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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 | 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 | 113 | 111 | 114 | 112 | 111 | 109 | 108 | 107 | 106 | 104 | 104 | 103 | 101 | 101 | 100 | 98 | | | | 98 | | | | | | | | | | | | | | | |
| 2 | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 105 | 104 | 102 | 103 | 101 | 100 | 100 | 99 | 98 | 97 | | | | 97 | | | | | | | | | | | | | | | |
| 3 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 101 | 99 | 98 | 99 | 98 | 96 | 95 | | | | 95 | | | | | | | | | | | | | | | |
| 4 | 108 | 104 | 101 | 99 | 107 | 103 | 100 | 98 | 101 | 99 | 97 | 99 | 97 | 96 | 98 | 96 | 95 | 94 | | | | 94 | | | | | | | | | | | | | | | |
| 5 | 106 | 102 | 99 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 94 | 93 | | | | 93 | | | | | | | | | | | | | | | |
| 6 | 104 | 100 | 96 | 94 | 103 | 99 | 96 | 94 | 98 | 95 | 93 | 97 | 94 | 93 | 96 | 94 | 92 | 91 | | | | 91 | | | | | | | | | | | | | | | |
| 7 | 103 | 98 | 95 | 93 | 102 | 97 | 94 | 92 | 96 | 94 | 92 | 95 | 93 | 92 | 95 | 93 | 91 | 90 | | | | 90 | | | | | | | | | | | | | | | |
| 8 | 101 | 96 | 93 | 91 | 100 | 96 | 93 | 91 | 95 | 92 | 91 | 94 | 92 | 90 | 93 | 92 | 90 | 89 | | | | 89 | | | | | | | | | | | | | | | |
| 9 | 100 | 95 | 92 | 90 | 99 | 94 | 92 | 90 | 94 | 91 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 88 | | | | 88 | | | | | | | | | | | | | | | |
| 10 | 98 | 94 | 91 | 89 | 98 | 93 | 91 | 89 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 90 | 88 | 87 | | | | 87 | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 4834242 |
| 5° | 2292382 |
| 10° | 470135 |
| 15° | 129076 |
| 20° | 52020 |
| 25° | 27873 |
| 30° | 16490 |
| 35° | 10724 |
| 40° | 7174 |
| 45° | 4666 |
| 50° | 2567 |
| 55° | 1924 |
| 60° | 1093 |
| 65° | 0 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4666 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1444.9 | 71.1 |
| 10°-20° | 391.0 | 19.2 |
| 20°-30° | 111.9 | 5.5 |
| 30°-40° | 51.1 | 2.5 |
| 40°-50° | 23.5 | 1.2 |
| 50°-60° | 7.8 | 0.4 |
| 60°-70° | 1.8 | 0.1 |
| 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° | 1947.9 | 95.9 |
| 0°-40° | 1999.0 | 98.4 |
| 0°-60° | 2030.3 | 99.9 |
| 0°-90° | 2032.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2032.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-------|------|
| 0° | 44245 | |
| 5° | 20901 | ### |
| 15° | 1141 | 391 |
| 25° | 231 | 112 |
| 35° | 80 | 51 |
| 45° | 30 | 23 |
| 55° | 10 | 8 |
| 65° | 0 | 2 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|---------|
| 0° | 44245.0 |
| 0.5° | 43862.9 |
| 1° | 42882.7 |
| 1.5° | 40992.7 |
| 2° | 38876.4 |
| 2.5° | 36081.6 |
| 3° | 32975.1 |
| 3.5° | 29969.1 |
| 4° | 26726.9 |
| 4.5° | 23741.1 |
| 5° | 20901.0 |
| 5.5° | 18327.3 |
| 6° | 15874.3 |
| 6.5° | 13717.8 |
| 7° | 11687.1 |
| 7.5° | 9952.9 |
| 8° | 8414.7 |
| 8.5° | 7067.5 |
| 9° | 5901.3 |
| 9.5° | 5011.6 |
| 10° | 4237.5 |
| 12.5° | 2020.7 |
| 15° | 1141.1 |
| 17.5° | 693.7 |
| 20° | 447.4 |
| 22.5° | 311.7 |
| 25° | 231.2 |
| 27.5° | 170.9 |
| 30° | 130.7 |
| 32.5° | 100.5 |
| 35° | 80.4 |
| 37.5° | 60.3 |
| 40° | 50.3 |
| 42.5° | 40.2 |
| 45° | 30.2 |
| 47.5° | 20.1 |
| 50° | 15.1 |
| 52.5° | 10.1 |
| 55° | 10.1 |
| 57.5° | 5.0 |
| 60° | 5.0 |
| 62.5° | 5.0 |
| 65° | 0.0 |



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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 |

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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| | | |
|-------|--|-----|
| 67.5° | | 0.0 |
| 70° | | 0.0 |

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Scaled Data Report



(END OF REPORT)