

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: P788827

Luminaire Tested: LER6D10D010-EC6DR150210IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR150210IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1094.8 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 11.7
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

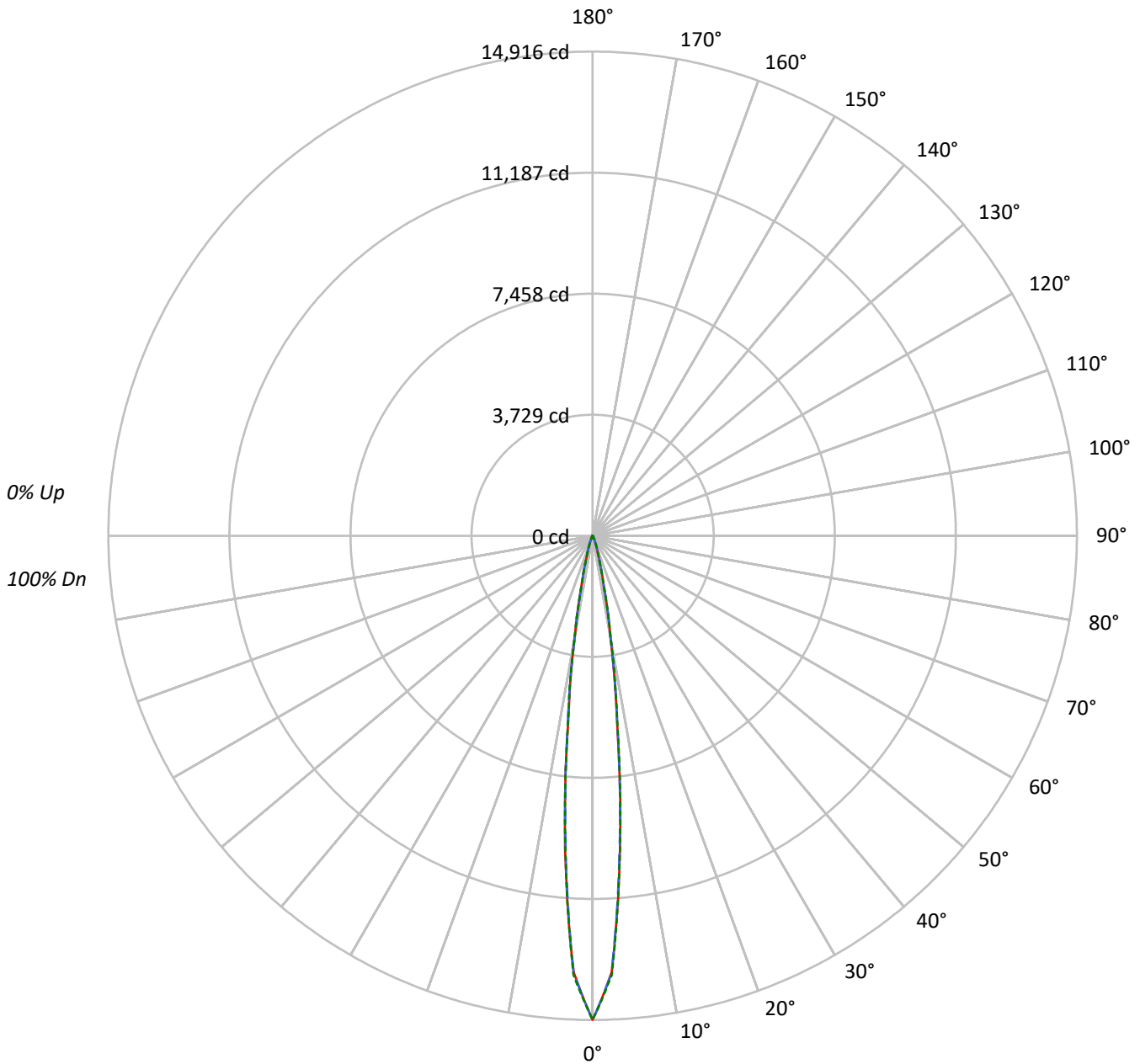


Downlight

TEST NUMBER: P788827

CATALOG NUMBER: LER6D10D010-EC6DR150210IC9035-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P788827

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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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98 | | | | | | 98 | | | | | | | | | | | | | |
| 2 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 | 102 | 101 | 100 | 100 | 98 | 98 | 96 | | | | | | 96 | | | | | | | | | | | | | |
| 3 | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99 | 100 | 99 | 97 | 98 | 97 | 96 | 94 | | | | | | 94 | | | | | | | | | | | | | |
| 4 | 108 | 103 | 100 | 98 | 106 | 102 | 99 | 97 | 100 | 98 | 96 | 99 | 97 | 95 | 97 | 95 | 94 | 93 | | | | | | 93 | | | | | | | | | | | | | |
| 5 | 106 | 101 | 98 | 95 | 104 | 100 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 92 | | | | | | 92 | | | | | | | | | | | | | |
| 6 | 104 | 99 | 95 | 93 | 102 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 90 | | | | | | 90 | | | | | | | | | | | | | |
| 7 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | | | | | | 89 | | | | | | | | | | | | | |
| 8 | 100 | 95 | 92 | 90 | 99 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | 88 | | | | | | 88 | | | | | | | | | | | | | |
| 9 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 89 | 88 | 91 | 89 | 87 | 87 | | | | | | 87 | | | | | | | | | | | | | |
| 10 | 97 | 92 | 89 | 87 | 96 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 86 | | | | | | 86 | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1678336 | 1678336 | 1678336 |
| 5° | 986268 | 973503 | 981197 |
| 10° | 294357 | 296420 | 300954 |
| 15° | 73220 | 74645 | 72343 |
| 20° | 21904 | 25365 | 22370 |
| 25° | 7720 | 9839 | 7821 |
| 30° | 2838 | 3737 | 2883 |
| 35° | 1423 | 1605 | 1373 |
| 40° | 895 | 987 | 895 |
| 45° | 665 | 707 | 665 |
| 50° | 528 | 528 | 528 |
| 55° | 439 | 439 | 439 |
| 60° | 358 | 358 | 358 |
| 65° | 271 | 271 | 271 |
| 70° | 234 | 234 | 234 |
| 75° | 144 | 144 | 189 |
| 80° | 102 | 102 | 102 |
| 85° | 50 | 50 | 50 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 707 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 710.0 | 64.9 |
| 10°-20° | 292.1 | 26.7 |
| 20°-30° | 58.0 | 5.3 |
| 30°-40° | 14.5 | 1.3 |
| 40°-50° | 7.6 | 0.7 |
| 50°-60° | 5.6 | 0.5 |
| 60°-70° | 4.0 | 0.4 |
| 70°-80° | 2.3 | 0.2 |
| 80°-90° | 0.7 | 0.1 |
| 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° | 1060.1 | 96.8 |
| 0°-40° | 1074.6 | 98.2 |
| 0°-60° | 1087.8 | 99.4 |
| 0°-90° | 1094.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1094.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 14916 | 14916 | 14916 | 14916 | 14916 | |
| 5° | 9705 | 9605 | 9579 | 9645 | 9655 | 709 |
| 15° | 843 | 859 | 859 | 844 | 833 | 289 |
| 25° | 99 | 112 | 126 | 112 | 100 | 52 |
| 35° | 20 | 21 | 22 | 21 | 19 | 13 |
| 45° | 10 | 10 | 10 | 10 | 10 | 7 |
| 55° | 6 | 6 | 6 | 6 | 6 | 6 |
| 65° | 4 | 4 | 4 | 4 | 4 | 4 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 14915.9 | 14915.9 | 14915.9 | 14915.9 | 14915.9 |
| 2.5° | 13454.8 | 13466.1 | 13470.6 | 13483.8 | 13533.1 |
| 5° | 9704.6 | 9604.9 | 9579.0 | 9645.3 | 9654.7 |
| 7.5° | 5748.6 | 5768.9 | 5842.7 | 5859.2 | 5799.8 |
| 10° | 3154.7 | 3180.6 | 3176.8 | 3199.5 | 3225.4 |
| 12.5° | 1613.3 | 1593.1 | 1586.8 | 1612.7 | 1576.7 |
| 15° | 843.0 | 858.8 | 859.4 | 844.2 | 832.9 |
| 17.5° | 453.4 | 471.7 | 502.0 | 477.4 | 439.5 |
| 20° | 267.7 | 284.1 | 310.0 | 289.8 | 273.4 |
| 22.5° | 165.4 | 178.7 | 197.0 | 181.2 | 168.0 |
| 25° | 99.1 | 112.4 | 126.3 | 111.8 | 100.4 |
| 27.5° | 58.7 | 70.1 | 78.9 | 69.5 | 58.1 |
| 30° | 37.9 | 44.2 | 49.9 | 43.6 | 38.5 |
| 32.5° | 26.5 | 29.0 | 31.6 | 29.0 | 26.5 |
| 35° | 19.6 | 20.8 | 22.1 | 20.8 | 18.9 |
| 37.5° | 15.2 | 16.4 | 17.0 | 15.8 | 14.5 |
| 40° | 12.6 | 13.3 | 13.9 | 13.3 | 12.6 |
| 42.5° | 10.7 | 11.4 | 11.4 | 11.4 | 10.7 |
| 45° | 9.5 | 9.5 | 10.1 | 9.5 | 9.5 |
| 47.5° | 8.2 | 8.2 | 8.8 | 8.2 | 8.2 |
| 50° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 52.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 55° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 57.5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 60° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 62.5° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 65° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 67.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 70° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 72.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 75° | 1.9 | 1.9 | 1.9 | 1.9 | 2.5 |
| 77.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 80° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 82.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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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