

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: P768722

Luminaire Tested: LD6D60D010-EU6DR3055659027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768722
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: LD6D60D010-EU6DR3055659027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

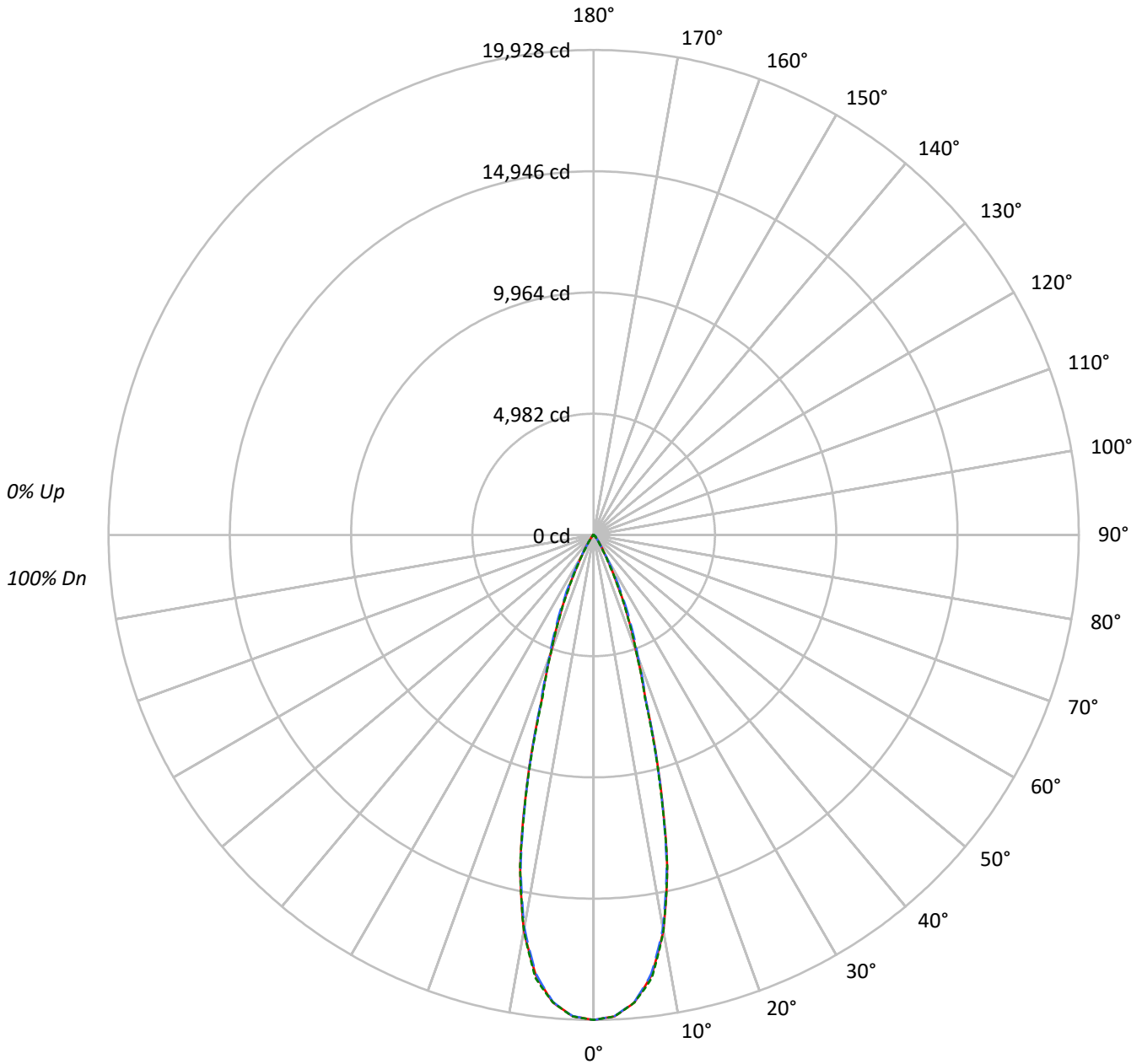
Lumens per Lamp: N/A
Luminaire Lumens: 6197.6 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): 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



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Luminous Intensity Polar Plot





TEST NUMBER: P768722

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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° | 1525372 | 1525372 | 1525372 |
| 5° | 1481578 | 1479849 | 1481655 |
| 10° | 1283273 | 1274226 | 1282970 |
| 15° | 837272 | 832778 | 828586 |
| 20° | 416337 | 431960 | 415775 |
| 25° | 209722 | 236495 | 205423 |
| 30° | 83965 | 91496 | 73156 |
| 35° | 38947 | 37302 | 31266 |
| 40° | 16817 | 18675 | 15837 |
| 45° | 11864 | 14722 | 11972 |
| 50° | 4073 | 10717 | 4311 |
| 55° | 2349 | 4444 | 2482 |
| 60° | 1653 | 1944 | 1653 |
| 65° | 1069 | 1069 | 1069 |
| 70° | 649 | 448 | 649 |
| 75° | 0 | 296 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14722 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1752.4 | 28.3 |
| 10°-20° | 2822.2 | 45.5 |
| 20°-30° | 1219.6 | 19.7 |
| 30°-40° | 278.0 | 4.5 |
| 40°-50° | 95.4 | 1.5 |
| 50°-60° | 23.3 | 0.4 |
| 60°-70° | 6.0 | 0.1 |
| 70°-80° | 0.6 | 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° | 5794.2 | 93.5 |
| 0°-40° | 6072.1 | 98.0 |
| 0°-60° | 6190.9 | 99.9 |
| 0°-90° | 6197.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6197.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 19928 | 19928 | 19928 | 19928 | 19928 | |
| 5° | 19282 | 19264 | 19260 | 19300 | 19283 | 1754 |
| 15° | 10566 | 10439 | 10509 | 10475 | 10456 | 2829 |
| 25° | 2483 | 2577 | 2800 | 2512 | 2432 | 1189 |
| 35° | 417 | 426 | 399 | 396 | 335 | 283 |
| 45° | 110 | 136 | 136 | 136 | 111 | 78 |
| 55° | 18 | 19 | 33 | 20 | 19 | 17 |
| 65° | 6 | 6 | 6 | 6 | 6 | 6 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 19928.2 | 19928.2 | 19928.2 | 19928.2 | 19928.2 |
| 2.5° | 19796.1 | 19782.4 | 19790.2 | 19800.0 | 19803.9 |
| 5° | 19282.4 | 19263.9 | 19259.9 | 19300.1 | 19283.4 |
| 7.5° | 18246.3 | 18219.9 | 18179.8 | 18270.8 | 18355.9 |
| 10° | 16510.6 | 16481.3 | 16394.2 | 16437.2 | 16506.7 |
| 12.5° | 13948.2 | 13853.3 | 13851.3 | 13988.3 | 13969.7 |
| 15° | 10565.8 | 10438.6 | 10509.1 | 10474.8 | 10456.2 |
| 17.5° | 7105.2 | 7056.3 | 7150.2 | 7121.8 | 6999.5 |
| 20° | 5111.2 | 5123.9 | 5303.0 | 5213.0 | 5104.3 |
| 22.5° | 3729.7 | 3775.7 | 3988.0 | 3756.1 | 3671.0 |
| 25° | 2483.2 | 2577.1 | 2800.2 | 2511.6 | 2432.3 |
| 27.5° | 1527.3 | 1570.3 | 1796.4 | 1507.7 | 1464.7 |
| 30° | 950.0 | 928.5 | 1035.2 | 888.4 | 827.7 |
| 32.5° | 623.2 | 595.8 | 630.1 | 565.5 | 516.6 |
| 35° | 416.8 | 425.6 | 399.2 | 396.3 | 334.6 |
| 37.5° | 260.3 | 299.4 | 264.2 | 281.8 | 215.2 |
| 40° | 168.3 | 217.2 | 186.9 | 206.4 | 158.5 |
| 42.5° | 138.0 | 167.3 | 153.6 | 163.4 | 140.9 |
| 45° | 109.6 | 136.0 | 136.0 | 136.0 | 110.6 |
| 47.5° | 60.7 | 91.0 | 116.4 | 92.9 | 64.6 |
| 50° | 34.2 | 46.0 | 90.0 | 47.9 | 36.2 |
| 52.5° | 23.5 | 26.4 | 61.6 | 27.4 | 24.5 |
| 55° | 17.6 | 18.6 | 33.3 | 19.6 | 18.6 |
| 57.5° | 13.7 | 14.7 | 17.6 | 14.7 | 13.7 |
| 60° | 10.8 | 10.8 | 12.7 | 11.7 | 10.8 |
| 62.5° | 7.8 | 7.8 | 8.8 | 7.8 | 7.8 |
| 65° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 67.5° | 2.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 70° | 2.9 | 2.0 | 2.0 | 2.0 | 2.9 |
| 72.5° | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 75° | 0.0 | 0.0 | 1.0 | 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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