

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: P769494

Luminaire Tested: LD6D65D010-EU6DR3055659024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769494
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: LD6D65D010-EU6DR3055659024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6957.5 lumens
Efficiency: N/A
Efficacy: 95.6 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

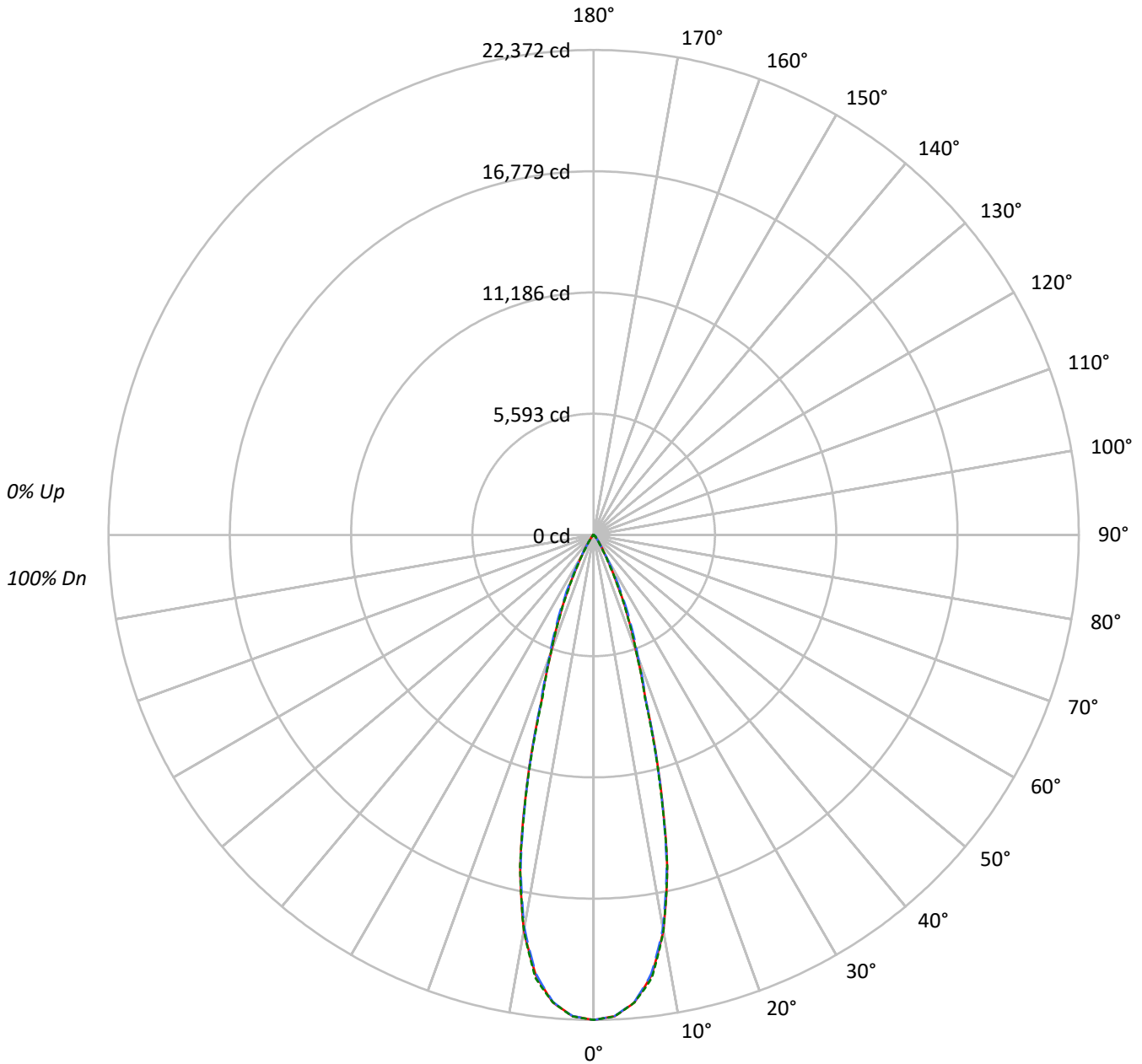
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P769494
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Luminous Intensity Polar Plot





TEST NUMBER: P769494

CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBDP1LI

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 | | | | | | | | | | | | | | | | | | | |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | | | | | | | | | | | | | | | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 | | | | | | | | | | | | | | | | | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | | | | | | | | | | | | | | | | | | | |
| 4 | 103 | 98 | 93 | 90 | 102 | 96 | 93 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 85 | | | | | | | | | | | | | | | | | | | |
| 5 | 100 | 94 | 89 | 86 | 98 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 86 | 84 | 88 | 86 | 83 | 82 | | | | | | | | | | | | | | | | | | | |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 | | | | | | | | | | | | | | | | | | | |
| 7 | 94 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 77 | | | | | | | | | | | | | | | | | | | |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | | | | | | | | | | | | | | | | | | | |
| 9 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | | | | | | | | | | | | | | | | | | | |
| 10 | 85 | 78 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 76 | 73 | 70 | 69 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1712414 | 1712414 | 1712414 |
| 5° | 1663256 | 1661312 | 1663341 |
| 10° | 1440626 | 1430467 | 1440292 |
| 15° | 939939 | 934892 | 930193 |
| 20° | 467385 | 484923 | 466758 |
| 25° | 235439 | 265497 | 230616 |
| 30° | 94262 | 102712 | 82127 |
| 35° | 43722 | 41871 | 35097 |
| 40° | 18875 | 20963 | 17776 |
| 45° | 13315 | 16530 | 13434 |
| 50° | 4573 | 12039 | 4835 |
| 55° | 2642 | 4978 | 2789 |
| 60° | 1852 | 2189 | 1852 |
| 65° | 1195 | 1195 | 1195 |
| 70° | 739 | 492 | 739 |
| 75° | 0 | 325 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16530 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1967.3 | 28.3 |
| 10°-20° | 3168.3 | 45.5 |
| 20°-30° | 1369.1 | 19.7 |
| 30°-40° | 312.0 | 4.5 |
| 40°-50° | 107.1 | 1.5 |
| 50°-60° | 26.2 | 0.4 |
| 60°-70° | 6.8 | 0.1 |
| 70°-80° | 0.7 | 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° | 6504.7 | 93.5 |
| 0°-40° | 6816.7 | 98.0 |
| 0°-60° | 6950.0 | 99.9 |
| 0°-90° | 6957.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6957.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 22372 | 22372 | 22372 | 22372 | 22372 | |
| 5° | 21647 | 21626 | 21622 | 21667 | 21648 | 1969 |
| 15° | 11861 | 11719 | 11798 | 11759 | 11738 | 3176 |
| 25° | 2788 | 2893 | 3144 | 2820 | 2731 | 1334 |
| 35° | 468 | 478 | 448 | 445 | 376 | 317 |
| 45° | 123 | 153 | 153 | 153 | 124 | 87 |
| 55° | 20 | 21 | 37 | 22 | 21 | 19 |
| 65° | 7 | 7 | 7 | 7 | 7 | 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° | 22371.8 | 22371.8 | 22371.8 | 22371.8 | 22371.8 |
| 2.5° | 22223.5 | 22208.1 | 22216.9 | 22227.9 | 22232.3 |
| 5° | 21646.9 | 21626.0 | 21621.6 | 21666.6 | 21648.0 |
| 7.5° | 20483.7 | 20454.0 | 20409.0 | 20511.1 | 20606.7 |
| 10° | 18535.1 | 18502.2 | 18404.4 | 18452.8 | 18530.8 |
| 12.5° | 15658.5 | 15551.9 | 15549.8 | 15703.5 | 15682.7 |
| 15° | 11861.4 | 11718.6 | 11797.7 | 11759.2 | 11738.4 |
| 17.5° | 7976.4 | 7921.5 | 8027.0 | 7995.1 | 7857.8 |
| 20° | 5737.9 | 5752.2 | 5953.2 | 5852.2 | 5730.2 |
| 22.5° | 4187.0 | 4238.6 | 4477.0 | 4216.7 | 4121.1 |
| 25° | 2787.7 | 2893.1 | 3143.6 | 2819.5 | 2730.6 |
| 27.5° | 1714.6 | 1762.9 | 2016.6 | 1692.6 | 1644.3 |
| 30° | 1066.5 | 1042.4 | 1162.1 | 997.3 | 929.2 |
| 32.5° | 699.7 | 668.9 | 707.4 | 634.9 | 579.9 |
| 35° | 467.9 | 477.8 | 448.1 | 444.8 | 375.6 |
| 37.5° | 292.2 | 336.1 | 296.6 | 316.3 | 241.6 |
| 40° | 188.9 | 243.8 | 209.8 | 231.8 | 177.9 |
| 42.5° | 154.9 | 187.8 | 172.4 | 183.4 | 158.2 |
| 45° | 123.0 | 152.7 | 152.7 | 152.7 | 124.1 |
| 47.5° | 68.1 | 102.1 | 130.7 | 104.3 | 72.5 |
| 50° | 38.4 | 51.6 | 101.1 | 53.8 | 40.6 |
| 52.5° | 26.4 | 29.7 | 69.2 | 30.8 | 27.5 |
| 55° | 19.8 | 20.9 | 37.3 | 22.0 | 20.9 |
| 57.5° | 15.4 | 16.5 | 19.8 | 16.5 | 15.4 |
| 60° | 12.1 | 12.1 | 14.3 | 13.2 | 12.1 |
| 62.5° | 8.8 | 8.8 | 9.9 | 8.8 | 8.8 |
| 65° | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 |
| 67.5° | 3.3 | 4.4 | 4.4 | 4.4 | 4.4 |
| 70° | 3.3 | 2.2 | 2.2 | 2.2 | 3.3 |
| 72.5° | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 75° | 0.0 | 0.0 | 1.1 | 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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