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: METALUX

Report Number: P1594603

Luminaire Tested: FLXB-2436-M-MED-3000K

Issue Date: 10/2/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | P1594603 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2601783A001) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 10/2/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | METALUX |
| Catalog Number: | FLXB-2436-M-MED-3000K |
| Description: | 2436 FlexBay Linear High bay at M beam, MED lumen, 3000K CCT settings |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 31352.0 lumens |
| Efficiency: | N/A |
| Efficacy: | 168.4 lumens/watt |
| Spacing Criteria (0/90/45): | 1.36 / 1.14 / 1.25 |
| Luminous Opening: | Rectangular (W 1.04' x L: 1.48' x H: 0') |
| CIE Type: | Direct |

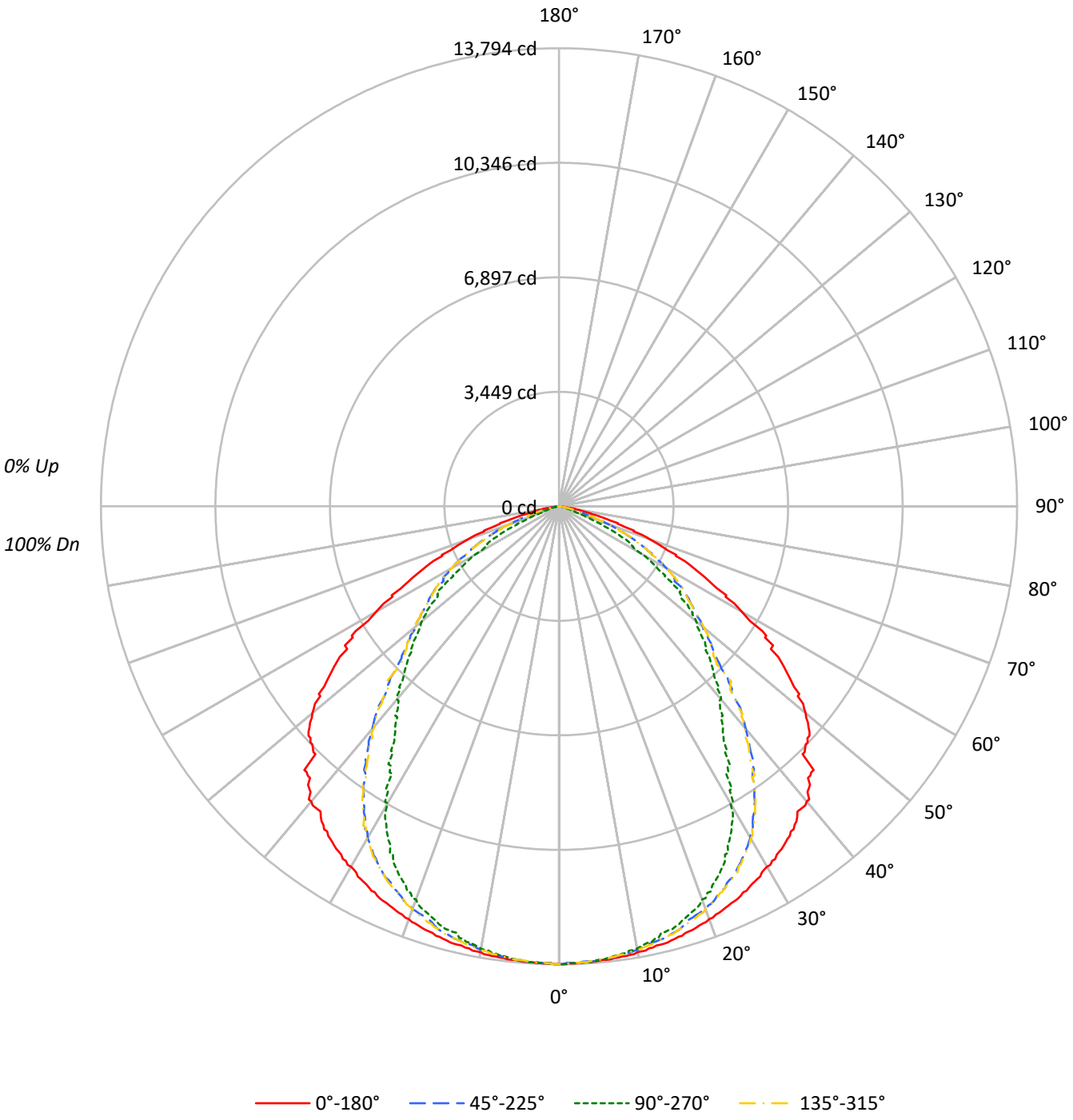
| | |
|---|---|
| Input Watts (W): | 186.2 |
| Input Voltage (V): | NR |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | NR |
| Total Harmonic Distortion (THDi): | NR |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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Scaled Data Report

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

## Luminous Intensity Polar Plot



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TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

## COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | 20 | | | 20 | | | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 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 | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 98 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 88 |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 87 | 83 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 |
| 4 | 86 | 75 | 67 | 61 | 84 | 74 | 67 | 61 | 72 | 65 | 60 | 69 | 64 | 59 | 67 | 63 | 59 | 57 |
| 5 | 80 | 68 | 60 | 54 | 78 | 67 | 59 | 53 | 65 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 50 |
| 6 | 74 | 62 | 53 | 47 | 72 | 61 | 53 | 47 | 59 | 52 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 44 |
| 7 | 69 | 56 | 48 | 42 | 67 | 55 | 48 | 42 | 54 | 47 | 42 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| 9 | 60 | 47 | 40 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 41 | 35 | 31 | 29 |

## AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|---|---|---|---|---|
| 0° | 96298 | 96298 | 96298 | 96298 |
| 5° | 96358 | 96142 | 96358 | 96142 |
| 10° | 96723 | 95914 | 96723 | 95914 |
| 15° | 97517 | 95335 | 97517 | 95335 |
| 20° | 98333 | 93653 | 98333 | 93653 |
| 25° | 99783 | 91067 | 99783 | 91067 |
| 30° | 101092 | 83266 | 101092 | 83266 |
| 35° | 103344 | 73795 | 103344 | 73795 |
| 40° | 105819 | 69204 | 105819 | 69204 |
| 45° | 103367 | 63132 | 103367 | 63132 |
| 50° | 105324 | 58617 | 105324 | 58617 |
| 55° | 99426 | 54272 | 99426 | 54272 |
| 60° | 88969 | 41825 | 88969 | 41825 |
| 65° | 75717 | 30807 | 75717 | 30807 |
| 70° | 59843 | 14467 | 59843 | 14467 |
| 75° | 40696 | 5703 | 40696 | 5703 |
| 80° | 20802 | 3013 | 20802 | 3013 |
| 85° | 8376 | 2324 | 8376 | 2324 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 48°
Luminance: 105975 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 1304.9 | 4.2 |
| 10°-20° | 3754.3 | 12.0 |
| 20°-30° | 5674.5 | 18.1 |
| 30°-40° | 6426.7 | 20.5 |
| 40°-50° | 5813.4 | 18.5 |
| 50°-60° | 4638.8 | 14.8 |
| 60°-70° | 2816.4 | 9.0 |
| 70°-80° | 847.0 | 2.7 |
| 80°-90° | 76.0 | 0.2 |
| 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° | 10733.8 | 34.2 |
| 0°-40° | 17160.5 | 54.7 |
| 0°-60° | 27612.6 | 88.1 |
| 0°-90° | 31352.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 31352.0 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | 90° | 180° | 270° | 360° | Flux |
|---|---|---|---|---|---|---|
| 0° | 13785 | 13785 | 13785 | 13785 | 13785 | |
| 5° | 13741 | 13711 | 13741 | 13711 | 13741 | 1309 |
| 15° | 13484 | 13182 | 13484 | 13182 | 13484 | 3811 |
| 25° | 12946 | 11815 | 12946 | 11815 | 12946 | 5969 |
| 35° | 12118 | 8654 | 12118 | 8654 | 12118 | 7574 |
| 45° | 10463 | 6390 | 10463 | 6390 | 10463 | 8222 |
| 55° | 8164 | 4456 | 8164 | 4456 | 8164 | 7277 |
| 65° | 4581 | 1864 | 4581 | 1864 | 4581 | 4534 |
| 75° | 1508 | 211 | 1508 | 211 | 1508 | 1652 |
| 85° | 104 | 29 | 104 | 29 | 104 | 168 |
| 90° | 2 | 2 | 2 | 2 | 2 | |

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TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 13785.3 | 13785.3 | 13785.3 | *13785.3* | 13785.3 | 13785.3 | 13785.3 | 13785.3 | 13785.3 | 13785.3 | 13785.3 |
| 0.5° | 13785.3 | 13785.3 | 13785.3 | *13785.3* | 13785.3 | 13785.3 | 13785.3 | 13785.3 | 13785.3 | 13785.3 | 13785.3 |
| 1° | *13758.7* | *13766.0* | *13734.1* | *13794.0* | *13755.4* | *13776.6* | *13758.7* | *13766.0* | *13734.1* | *13794.0* | *13755.4* |
| 1.5° | 13771.6 | 13778.3 | 13734.1 | *13766.0* | 13755.4 | 13763.2 | 13771.6 | 13778.3 | 13734.1 | 13766.0 | 13755.4 |
| 2° | 13771.6 | 13785.6 | 13741.9 | *13766.0* | 13736.4 | 13765.4 | 13771.6 | 13785.6 | 13741.9 | 13766.0 | 13736.4 |
| 2.5° | 13762.7 | 13783.9 | 13741.9 | *13756.6* | 13753.7 | 13772.8 | 13762.7 | 13783.9 | 13741.9 | 13756.6 | 13753.7 |
| 3° | 13762.7 | 13758.1 | 13700.5 | *13756.6* | 13746.5 | 13745.3 | 13762.7 | 13758.1 | 13700.5 | 13756.6 | 13746.5 |
| 3.5° | 13750.3 | 13757.1 | 13700.5 | *13757.1* | 13746.5 | 13752.6 | 13750.3 | 13757.1 | 13700.5 | 13757.1 | 13746.5 |
| 4° | 13750.3 | 13765.4 | 13714.0 | *13757.1* | 13707.9 | 13752.0 | 13750.3 | 13765.4 | 13714.0 | 13757.1 | 13707.9 |
| 4.5° | 13757.1 | 13762.7 | 13714.0 | *13721.3* | 13688.9 | 13735.8 | 13757.1 | 13762.7 | 13714.0 | 13721.3 | 13688.9 |
| 5° | 13741.4 | 13745.3 | 13680.5 | *13710.6* | 13688.9 | 13732.5 | 13741.4 | 13745.3 | 13680.5 | 13710.6 | 13688.9 |
| 5.5° | 13724.1 | 13721.3 | 13688.3 | *13711.8* | 13692.3 | 13729.7 | 13724.1 | 13721.3 | 13688.3 | 13711.8 | 13692.3 |
| 6° | 13731.9 | 13723.5 | 13657.0 | *13697.2* | 13692.3 | 13714.6 | 13731.9 | 13723.5 | 13657.0 | 13697.2 | 13692.3 |
| 6.5° | 13731.9 | 13729.1 | 13641.9 | *13672.1* | 13644.6 | 13705.6 | 13731.9 | 13729.1 | 13641.9 | 13672.1 | 13644.6 |
| 7° | 13703.4 | 13715.7 | 13641.9 | *13643.1* | 13627.4 | 13705.6 | 13703.4 | 13715.7 | 13641.9 | 13643.1 | 13627.4 |
| 7.5° | 13703.4 | 13695.5 | 13596.0 | *13643.1* | 13627.4 | 13663.7 | 13703.4 | 13695.5 | 13596.0 | 13643.1 | 13627.4 |
| 8° | 13688.9 | 13695.5 | 13596.0 | *13603.2* | 13595.0 | 13661.4 | 13688.9 | 13695.5 | 13596.0 | 13603.2 | 13595.0 |
| 8.5° | 13688.9 | 13672.7 | 13574.2 | *13603.2* | 13595.0 | 13659.3 | 13688.9 | 13672.7 | 13574.2 | 13603.2 | 13595.0 |
| 9° | 13677.1 | 13661.4 | 13574.2 | *13549.6* | 13554.2 | 13634.7 | 13677.1 | 13661.4 | 13574.2 | 13549.6 | 13554.2 |
| 9.5° | 13677.1 | 13637.4 | 13523.3 | *13549.6* | 13535.7 | 13616.8 | 13677.1 | 13637.4 | 13523.3 | 13549.6 | 13535.7 |
| 10° | 13635.8 | 13607.2 | 13512.8 | *13521.7* | 13527.9 | 13610.6 | 13635.8 | 13607.2 | 13512.8 | 13521.7 | 13527.9 |
| 10.5° | 13634.1 | 13607.2 | 13470.3 | *13481.5* | 13492.6 | 13594.4 | 13634.1 | 13607.2 | 13470.3 | 13481.5 | 13492.6 |
| 11° | 13631.8 | 13596.6 | 13355.6 | *13441.7* | 13466.9 | 13573.1 | 13631.8 | 13596.6 | 13355.6 | 13441.7 | 13466.9 |
| 11.5° | 13584.9 | 13574.2 | 13355.6 | *13409.4* | 13425.0 | 13564.2 | 13584.9 | 13574.2 | 13355.6 | 13409.4 | 13425.0 |
| 12° | 13584.9 | 13536.8 | 13338.3 | *13409.4* | 13425.0 | 13542.4 | 13584.9 | 13536.8 | 13338.3 | 13409.4 | 13425.0 |
| 12.5° | 13549.6 | 13526.7 | 13338.3 | *13340.0* | 13365.2 | 13511.1 | 13549.6 | 13526.7 | 13338.3 | 13340.0 | 13365.2 |
| 13° | 13549.6 | 13490.4 | 13325.5 | *13340.0* | 13365.2 | 13488.8 | 13549.6 | 13490.4 | 13325.5 | 13340.0 | 13365.2 |
| 13.5° | 13549.6 | 13468.0 | 13325.5 | *13209.7* | 13309.3 | 13456.3 | 13549.6 | 13468.0 | 13325.5 | 13209.7 | 13309.3 |
| 14° | 13533.4 | 13435.6 | 13294.2 | *13209.7* | 13309.3 | 13427.7 | 13533.4 | 13435.6 | 13294.2 | 13209.7 | 13309.3 |
| 14.5° | 13505.0 | 13409.8 | 13251.7 | *13182.4* | 13256.1 | 13417.8 | 13505.0 | 13409.8 | 13251.7 | 13182.4 | 13256.1 |
| 15° | 13484.2 | 13401.0 | 13201.9 | *13182.4* | 13256.1 | 13396.5 | 13484.2 | 13401.0 | 13201.9 | 13182.4 | 13256.1 |
| 15.5° | 13454.0 | 13390.3 | 13162.2 | *13132.1* | 13171.8 | 13364.0 | 13454.0 | 13390.3 | 13162.2 | 13132.1 | 13171.8 |
| 16° | 13454.0 | 13359.0 | 13122.0 | *13095.7* | 13132.1 | 13344.0 | 13454.0 | 13359.0 | 13122.0 | 13095.7 | 13132.1 |
| 16.5° | 13403.7 | 13311.0 | 13037.6 | *13025.3* | 13117.0 | 13318.8 | 13403.7 | 13311.0 | 13037.6 | 13025.3 | 13117.0 |
| 17° | 13388.1 | 13153.3 | 13037.6 | *12973.8* | 13014.1 | 13283.0 | 13388.1 | 13153.3 | 13037.6 | 12973.8 | 13014.1 |
| 17.5° | 13374.7 | 13124.3 | 12963.8 | *12919.6* | 13014.1 | 13258.4 | 13374.7 | 13124.3 | 12963.8 | 12919.6 | 13014.1 |
| 18° | 13349.5 | 13124.3 | 12924.6 | *12869.3* | 12939.2 | 13239.9 | 13349.5 | 13124.3 | 12924.6 | 12869.3 | 12939.2 |
| 18.5° | 13317.1 | 13099.6 | 12862.6 | *12827.9* | 12939.2 | 13160.0 | 13317.1 | 13099.6 | 12862.6 | 12827.9 | 12939.2 |
| 19° | 13288.1 | 13056.6 | 12862.6 | *12779.2* | 12852.5 | 13140.5 | 13288.1 | 13056.6 | 12862.6 | 12779.2 | 12852.5 |
| 19.5° | 13276.8 | 13056.6 | 12791.6 | *12716.1* | 12852.5 | 13113.6 | 13276.8 | 13056.6 | 12791.6 | 12716.1 | 12852.5 |
| 20° | 13227.7 | 13032.0 | 12791.6 | *12598.2* | 12737.4 | 13072.2 | 13227.7 | 13032.0 | 12791.6 | 12598.2 | 12737.4 |
| 20.5° | 13227.7 | 13032.0 | 12635.6 | *12598.2* | 12685.9 | 13037.1 | 13227.7 | 13032.0 | 12635.6 | 12598.2 | 12685.9 |
| 21° | 13170.6 | 12987.3 | 12635.6 | *12464.5* | 12645.1 | 13009.6 | 13170.6 | 12987.3 | 12635.6 | 12464.5 | 12645.1 |
| 21.5° | 13152.1 | 12987.3 | 12532.8 | *12464.5* | 12503.2 | 12968.8 | 13152.1 | 12987.3 | 12532.8 | 12464.5 | 12503.2 |
| 22° | 13129.2 | 12896.7 | 12458.9 | *12309.7* | 12503.2 | 12930.8 | 13129.2 | 12896.7 | 12458.9 | 12309.7 | 12503.2 |

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TEST NUMBER: P1594603
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**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.5° | 13093.0 | 12849.8 | 12400.8 | *12244.3* | 12347.2 | 12900.1 | 13093.0 | 12849.8 | 12400.8 | 12244.3 | 12347.2 |
| 23° | 13058.8 | 12818.5 | 12304.1 | *12168.8* | 12347.2 | 12857.6 | 13058.8 | 12818.5 | 12304.1 | 12168.8 | 12347.2 |
| 23.5° | 13029.2 | 12818.5 | 12267.8 | *12095.0* | 12294.0 | 12773.7 | 13029.2 | 12818.5 | 12267.8 | 12095.0 | 12294.0 |
| 24° | 13012.5 | 12744.1 | 12095.6 | *11992.7* | 12206.2 | 12740.7 | 13012.5 | 12744.1 | 12095.6 | 11992.7 | 12206.2 |
| 24.5° | 12985.0 | 12697.7 | 12030.7 | *11905.0* | 12157.6 | 12688.2 | 12985.0 | 12697.7 | 12030.7 | 11905.0 | 12157.6 |
| 25° | 12945.9 | 12648.0 | 12030.7 | *11815.0* | 12079.4 | 12637.9 | 12945.9 | 12648.0 | 12030.7 | 11815.0 | 12079.4 |
| 25.5° | 12879.3 | 12589.2 | 11979.2 | *11616.4* | 11928.5 | 12606.0 | 12879.3 | 12589.2 | 11979.2 | 11616.4 | 11928.5 |
| 26° | 12879.3 | 12560.6 | 11821.1 | *11616.4* | 11928.5 | 12606.0 | 12879.3 | 12560.6 | 11821.1 | 11616.4 | 11928.5 |
| 26.5° | 12824.6 | 12511.0 | 11713.1 | *11385.6* | 11745.6 | 12487.0 | 12824.6 | 12511.0 | 11713.1 | 11385.6 | 11745.6 |
| 27° | 12779.8 | 12453.4 | 11632.1 | *11298.4* | 11679.6 | 12487.0 | 12779.8 | 12453.4 | 11632.1 | 11298.4 | 11679.6 |
| 27.5° | 12747.4 | 12389.1 | 11507.5 | *11171.4* | 11581.9 | 12379.0 | 12747.4 | 12389.1 | 11507.5 | 11171.4 | 11581.9 |
| 28° | 12715.0 | 12352.7 | 11440.4 | *11059.1* | 11493.4 | 12379.0 | 12715.0 | 12352.7 | 11440.4 | 11059.1 | 11493.4 |
| 28.5° | 12687.6 | 12251.6 | 11312.4 | *10895.8* | 11365.4 | 12279.5 | 12687.6 | 12251.6 | 11312.4 | 10895.8 | 11365.4 |
| 29° | 12605.4 | 12188.4 | 11224.6 | *10790.7* | 11282.2 | 12158.7 | 12605.4 | 12188.4 | 11224.6 | 10790.7 | 11282.2 |
| 29.5° | 12559.6 | 12130.8 | 11087.1 | *10635.9* | 11168.7 | 12158.7 | 12559.6 | 12130.8 | 11087.1 | 10635.9 | 11168.7 |
| 30° | 12532.8 | 12059.7 | 10999.9 | *10322.8* | 11065.2 | 12040.2 | 12532.8 | 12059.7 | 10999.9 | 10322.8 | 11065.2 |
| 30.5° | 12532.8 | 12010.7 | 10741.1 | *10322.8* | 10928.8 | 12040.2 | 12532.8 | 12010.7 | 10741.1 | 10322.8 | 10928.8 |
| 31° | 12459.5 | 11937.4 | 10741.1 | *9971.8* | 10656.0 | 11910.0 | 12459.5 | 11937.4 | 10741.1 | 9971.8 | 10656.0 |
| 31.5° | 12459.5 | 11863.0 | 10449.8 | *9971.8* | 10656.0 | 11910.0 | 12459.5 | 11863.0 | 10449.8 | 9971.8 | 10656.0 |
| 32° | 12371.2 | 11782.5 | 10263.0 | *9495.5* | 10376.5 | 11761.8 | 12371.2 | 11782.5 | 10263.0 | 9495.5 | 10376.5 |
| 32.5° | 12337.6 | 11720.4 | 10149.0 | *9495.5* | 10223.8 | 11761.8 | 12337.6 | 11720.4 | 10149.0 | 9495.5 | 10223.8 |
| 33° | 12303.5 | 11573.5 | 9964.5 | *9311.5* | 10052.8 | 11614.3 | 12303.5 | 11573.5 | 9964.5 | 9311.5 | 10052.8 |
| 33.5° | 12253.2 | 11573.5 | 9812.4 | *9311.5* | 9898.5 | 11536.5 | 12253.2 | 11573.5 | 9812.4 | 9311.5 | 9898.5 |
| 34° | 12202.4 | 11405.1 | 9620.1 | *8938.1* | 9726.3 | 11441.5 | 12202.4 | 11405.1 | 9620.1 | 8938.1 | 9726.3 |
| 34.5° | 12152.6 | 11311.2 | 9466.3 | *8938.1* | 9534.0 | 11260.9 | 12152.6 | 11311.2 | 9466.3 | 8938.1 | 9534.0 |
| 35° | 12118.5 | 11227.9 | 9319.9 | *8653.5* | 9350.6 | 11260.9 | 12118.5 | 11227.9 | 9319.9 | 8653.5 | 9350.6 |
| 35.5° | 12025.1 | 11127.9 | 8930.8 | *8532.8* | 8981.1 | 11054.1 | 12025.1 | 11127.9 | 8930.8 | 8532.8 | 8981.1 |
| 36° | 12025.1 | 11015.5 | 8835.7 | *8389.6* | 8981.1 | 11054.1 | 12025.1 | 11015.5 | 8835.7 | 8389.6 | 8981.1 |
| 36.5° | 11926.2 | 10902.6 | 8835.7 | *8299.6* | 8623.3 | 10821.5 | 11926.2 | 10902.6 | 8835.7 | 8299.6 | 8623.3 |
| 37° | 11884.2 | 10790.1 | 8507.1 | *8162.6* | 8341.5 | 10821.5 | 11884.2 | 10790.1 | 8507.1 | 8162.6 | 8341.5 |
| 37.5° | 11784.2 | 10680.0 | 8488.6 | *8003.9* | 8243.7 | 10570.0 | 11784.2 | 10680.0 | 8488.6 | 8003.9 | 8243.7 |
| 38° | 11665.1 | 10530.8 | 8224.7 | *8003.9* | 8033.5 | 10570.0 | 11665.1 | 10530.8 | 8224.7 | 8003.9 | 8033.5 |
| 38.5° | 11665.1 | 10232.2 | 8181.7 | *7799.8* | 8035.2 | 10278.1 | 11665.1 | 10232.2 | 8181.7 | 7799.8 | 8035.2 |
| 39° | 11665.1 | 10232.2 | 7984.3 | *7694.7* | 7874.2 | 9961.1 | 11665.1 | 10232.2 | 7984.3 | 7694.7 | 7874.2 |
| 39.5° | 11665.1 | 9924.3 | 7891.0 | *7589.0* | 7790.9 | 9961.1 | 11665.1 | 9924.3 | 7891.0 | 7589.0 | 7790.9 |
| 40° | 11604.2 | 9746.5 | 7759.0 | *7589.0* | 7701.4 | 9588.2 | 11604.2 | 9746.5 | 7759.0 | 7589.0 | 7701.4 |
| 40.5° | 11604.2 | 9525.6 | 7682.4 | *7504.7* | 7608.6 | 9588.2 | 11604.2 | 9525.6 | 7682.4 | 7504.7 | 7608.6 |
| 41° | 11402.9 | 9333.4 | 7569.0 | *7271.6* | 7579.6 | 9166.1 | 11402.9 | 9333.4 | 7569.0 | 7271.6 | 7579.6 |
| 41.5° | 11352.6 | 9100.1 | 7485.1 | *7271.6* | 7504.1 | 9166.1 | 11352.6 | 9100.1 | 7485.1 | 7271.6 | 7504.1 |
| 42° | 11291.2 | 8893.3 | 7399.6 | *7037.3* | 7423.6 | 8484.7 | 11291.2 | 8893.3 | 7399.6 | 7037.3 | 7423.6 |
| 42.5° | 11094.3 | 8288.4 | 7299.5 | *6916.6* | 7281.5 | 8484.7 | 11094.3 | 8288.4 | 7299.5 | 6916.6 | 7281.5 |
| 43° | 11094.3 | 8060.4 | 7162.5 | *6819.9* | 7181.6 | 7908.9 | 11094.3 | 8060.4 | 7162.5 | 6819.9 | 7181.6 |
| 43.5° | 11039.0 | 8060.4 | 7079.2 | *6712.5* | 7101.1 | 7908.9 | 11039.0 | 8060.4 | 7079.2 | 6712.5 | 7101.1 |
| 44° | 11039.0 | 7845.2 | 6866.3 | *6598.4* | 6961.3 | 7908.9 | 11039.0 | 7845.2 | 6866.3 | 6598.4 | 6961.3 |
| 44.5° | 10463.2 | 7622.0 | 6866.3 | *6498.3* | 6884.2 | 7908.9 | 10463.2 | 7622.0 | 6866.3 | 6498.3 | 6884.2 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 45° | 10463.2 | 7089.3 | 6746.1 | 6390.5 | 6296.5 | 7159.7 | 10463.2 | 7089.3 | 6746.1 | 6390.5 | 6296.5 |
| 45.5° | 10394.9 | 6886.9 | 6673.4 | 6190.3 | 6217.2 | 7020.0 | 10394.9 | 6886.9 | 6673.4 | 6190.3 | 6217.2 |
| 46° | 10322.2 | 6720.9 | 6471.6 | 6190.3 | 6118.8 | 6802.0 | 10322.2 | 6720.9 | 6471.6 | 6190.3 | 6118.8 |
| 46.5° | 10322.2 | 6569.9 | 6471.6 | 6078.5 | 6118.8 | 6684.5 | 10322.2 | 6569.9 | 6471.6 | 6078.5 | 6118.8 |
| 47° | 10231.7 | 6437.5 | 6269.2 | 6012.5 | 6027.6 | 6499.5 | 10231.7 | 6437.5 | 6269.2 | 6012.5 | 6027.6 |
| 47.5° | 10231.7 | 6313.3 | 6166.3 | 5852.6 | 6027.6 | 6400.5 | 10231.7 | 6313.3 | 6166.3 | 5852.6 | 6027.6 |
| 48° | 10151.1 | 6217.2 | 6074.1 | 5734.8 | 6027.6 | 6255.7 | 10151.1 | 6217.2 | 6074.1 | 5734.8 | 6027.6 |
| 48.5° | 10032.7 | 6003.1 | 5963.9 | 5632.4 | 5890.6 | 6159.0 | 10032.7 | 6003.1 | 5963.9 | 5632.4 | 5890.6 |
| 49° | 9928.7 | 6003.1 | 5867.2 | 5515.0 | 5890.6 | 6039.4 | 9928.7 | 6003.1 | 5867.2 | 5515.0 | 5890.6 |
| 49.5° | 9791.2 | 5700.6 | 5730.2 | 5479.2 | 5799.0 | 5825.3 | 9791.2 | 5700.6 | 5730.2 | 5479.2 | 5799.0 |
| 50° | 9691.6 | 5700.6 | 5645.3 | 5393.7 | 5673.2 | 5742.0 | 9691.6 | 5700.6 | 5645.3 | 5393.7 | 5673.2 |
| 50.5° | 9564.2 | 5617.8 | 5526.7 | 5309.8 | 5573.2 | 5639.2 | 9564.2 | 5617.8 | 5526.7 | 5309.8 | 5573.2 |
| 51° | 9454.1 | 5526.2 | 5432.8 | 5152.8 | 5442.3 | 5549.7 | 9454.1 | 5526.2 | 5432.8 | 5152.8 | 5442.3 |
| 51.5° | 9182.3 | 5435.7 | 5219.2 | 5152.8 | 5227.2 | 5447.9 | 9182.3 | 5435.7 | 5219.2 | 5152.8 | 5227.2 |
| 52° | 9182.3 | 5346.2 | 5219.2 | 4954.8 | 5227.2 | 5367.4 | 9182.3 | 5346.2 | 5219.2 | 4954.8 | 5227.2 |
| 52.5° | 8914.1 | 5270.7 | 5006.9 | 4885.6 | 5000.7 | 5277.4 | 8914.1 | 5270.7 | 5006.9 | 4885.6 | 5000.7 |
| 53° | 8758.1 | 5188.5 | 4925.2 | 4623.9 | 4885.6 | 5190.8 | 8758.1 | 5188.5 | 4925.2 | 4623.9 | 4885.6 |
| 53.5° | 8619.4 | 5102.5 | 4800.5 | 4535.0 | 4800.5 | 5108.0 | 8619.4 | 5102.5 | 4800.5 | 4535.0 | 4800.5 |
| 54° | 8453.3 | 4938.6 | 4766.0 | 4535.0 | 4694.8 | 4935.3 | 8453.3 | 4938.6 | 4766.0 | 4535.0 | 4694.8 |
| 54.5° | 8321.5 | 4938.6 | 4667.5 | 4456.2 | 4647.9 | 4854.8 | 8321.5 | 4938.6 | 4667.5 | 4456.2 | 4647.9 |
| 55° | 8163.8 | 4772.6 | 4622.7 | 4456.2 | 4543.4 | 4776.5 | 8163.8 | 4772.6 | 4622.7 | 4456.2 | 4543.4 |
| 55.5° | 8015.1 | 4691.6 | 4519.9 | 4200.2 | 4501.4 | 4694.3 | 8015.1 | 4691.6 | 4519.9 | 4200.2 | 4501.4 |
| 56° | 7690.8 | 4619.4 | 4437.7 | 4098.9 | 4361.2 | 4609.9 | 7690.8 | 4619.4 | 4437.7 | 4098.9 | 4361.2 |
| 56.5° | 7690.8 | 4538.4 | 4343.3 | 3813.2 | 4361.2 | 4550.6 | 7690.8 | 4538.4 | 4343.3 | 3813.2 | 4361.2 |
| 57° | 7690.8 | 4494.7 | 3797.6 | 3813.2 | 4188.4 | 4470.7 | 7690.8 | 4494.7 | 3797.6 | 3813.2 | 4188.4 |
| 57.5° | 7357.6 | 4494.7 | 3797.6 | 3567.3 | 4188.4 | 4413.7 | 7357.6 | 4494.7 | 3797.6 | 3567.3 | 4188.4 |
| 58° | 7357.6 | 4445.5 | 3724.3 | 3448.3 | 3978.8 | 4337.1 | 7357.6 | 4445.5 | 3724.3 | 3448.3 | 3978.8 |
| 58.5° | 7185.4 | 4445.5 | 3724.3 | 3334.2 | 3881.5 | 4251.6 | 7185.4 | 4445.5 | 3724.3 | 3334.2 | 3881.5 |
| 59° | 6703.0 | 4181.1 | 3623.2 | 3225.7 | 3731.1 | 4185.0 | 6703.0 | 4181.1 | 3623.2 | 3225.7 | 3731.1 |
| 59.5° | 6539.2 | 4086.1 | 3623.2 | 3097.7 | 3671.3 | 4054.3 | 6539.2 | 4086.1 | 3623.2 | 3097.7 | 3671.3 |
| 60° | 6368.1 | 4034.1 | 3482.8 | 2993.7 | 3532.1 | 3980.5 | 6368.1 | 4034.1 | 3482.8 | 2993.7 | 3532.1 |
| 60.5° | 6199.2 | 3901.5 | 3353.1 | 2650.4 | 3391.8 | 3922.9 | 6199.2 | 3901.5 | 3353.1 | 2650.4 | 3391.8 |
| 61° | 6031.6 | 3901.5 | 3236.9 | 2542.6 | 3282.2 | 3854.0 | 6031.6 | 3901.5 | 3236.9 | 2542.6 | 3282.2 |
| 61.5° | 5707.3 | 3756.2 | 3072.5 | 2542.6 | 3002.7 | 3689.8 | 5707.3 | 3756.2 | 3072.5 | 2542.6 | 3002.7 |
| 62° | 5707.3 | 3756.2 | 2955.7 | 2441.4 | 3002.7 | 3600.3 | 5707.3 | 3756.2 | 2955.7 | 2441.4 | 3002.7 |
| 62.5° | 5374.7 | 3583.5 | 2700.2 | 2441.4 | 2752.2 | 3600.3 | 5374.7 | 3583.5 | 2700.2 | 2441.4 | 2752.2 |
| 63° | 5218.2 | 3583.5 | 2700.2 | 2341.2 | 2625.3 | 3520.4 | 5218.2 | 3583.5 | 2700.2 | 2341.2 | 2625.3 |
| 63.5° | 5056.1 | 3468.3 | 2481.0 | 2266.4 | 2509.0 | 3520.4 | 5056.1 | 3468.3 | 2481.0 | 2266.4 | 2509.0 |
| 64° | 4902.9 | 3404.0 | 2481.0 | 2085.8 | 2398.8 | 3457.7 | 4902.9 | 3404.0 | 2481.0 | 2085.8 | 2398.8 |
| 64.5° | 4736.2 | 3309.6 | 2269.1 | 1985.7 | 2301.0 | 3229.1 | 4736.2 | 3309.6 | 2269.1 | 1985.7 | 2301.0 |
| 65° | 4580.8 | 3150.2 | 2269.1 | 1863.8 | 2164.6 | 3229.1 | 4580.8 | 3150.2 | 2269.1 | 1863.8 | 2164.6 |
| 65.5° | 4423.2 | 3150.2 | 2057.8 | 1741.5 | 1975.7 | 3028.9 | 4423.2 | 3150.2 | 2057.8 | 1741.5 | 1975.7 |
| 66° | 4277.8 | 2955.2 | 2057.8 | 1637.4 | 1855.0 | 3028.9 | 4277.8 | 2955.2 | 2057.8 | 1637.4 | 1855.0 |
| 66.5° | 4121.3 | 2955.2 | 1819.1 | 1383.1 | 1855.0 | 2898.6 | 4121.3 | 2955.2 | 1819.1 | 1383.1 | 1855.0 |
| 67° | 3818.9 | 2796.4 | 1700.1 | 1383.1 | 1738.1 | 2898.6 | 3818.9 | 2796.4 | 1700.1 | 1383.1 | 1738.1 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67.5° | 3818.9 | 2796.4 | 1543.0 | 1157.2 | 1633.0 | 2684.0 | 3818.9 | 2796.4 | 1543.0 | 1157.2 | 1633.0 |
| 68° | 3523.1 | 2614.7 | 1417.2 | 1048.2 | 1422.2 | 2591.7 | 3523.1 | 2614.7 | 1417.2 | 1048.2 | 1422.2 |
| 68.5° | 3377.2 | 2614.7 | 1417.2 | 967.1 | 1340.6 | 2478.2 | 3377.2 | 2614.7 | 1417.2 | 967.1 | 1340.6 |
| 69° | 3224.0 | 2384.9 | 1248.4 | 854.2 | 1243.3 | 2478.2 | 3224.0 | 2384.9 | 1248.4 | 854.2 | 1243.3 |
| 69.5° | 3073.7 | 2269.7 | 1171.8 | 812.8 | 1144.3 | 2252.4 | 3073.7 | 2269.7 | 1171.8 | 812.8 | 1144.3 |
| 70° | 2930.0 | 2142.3 | 1089.0 | 708.3 | 1057.1 | 2041.6 | 2930.0 | 2142.3 | 1089.0 | 708.3 | 1057.1 |
| 70.5° | 2798.6 | 1904.2 | 1039.2 | 584.8 | 956.6 | 2041.6 | 2798.6 | 1904.2 | 1039.2 | 584.8 | 956.6 |
| 71° | 2651.0 | 1904.2 | 935.3 | 506.5 | 881.1 | 1782.3 | 2651.0 | 1904.2 | 935.3 | 506.5 | 881.1 |
| 71.5° | 2372.1 | 1661.5 | 793.3 | 506.5 | 712.8 | 1782.3 | 2372.1 | 1661.5 | 793.3 | 506.5 | 712.8 |
| 72° | 2372.1 | 1661.5 | 793.3 | 448.9 | 712.8 | 1577.1 | 2372.1 | 1661.5 | 793.3 | 448.9 | 712.8 |
| 72.5° | 2104.3 | 1435.1 | 640.1 | 448.9 | 578.1 | 1577.1 | 2104.3 | 1435.1 | 640.1 | 448.9 | 578.1 |
| 73° | 1987.4 | 1435.1 | 601.0 | 376.8 | 500.3 | 1378.5 | 1987.4 | 1435.1 | 601.0 | 376.8 | 500.3 |
| 73.5° | 1844.3 | 1216.6 | 505.3 | 303.0 | 454.0 | 1378.5 | 1844.3 | 1216.6 | 505.3 | 303.0 | 454.0 |
| 74° | 1844.3 | 1111.9 | 485.8 | 303.0 | 427.1 | 1181.8 | 1844.3 | 1111.9 | 485.8 | 303.0 | 427.1 |
| 74.5° | 1606.7 | 1022.5 | 401.9 | 235.9 | 382.4 | 1181.8 | 1606.7 | 1022.5 | 401.9 | 235.9 | 382.4 |
| 75° | 1507.8 | 936.4 | 385.7 | 211.3 | 348.9 | 999.5 | 1507.8 | 936.4 | 385.7 | 211.3 | 348.9 |
| 75.5° | 1378.5 | 936.4 | 353.8 | 198.0 | 328.1 | 830.7 | 1378.5 | 936.4 | 353.8 | 198.0 | 328.1 |
| 76° | 1288.7 | 861.4 | 331.5 | 198.0 | 281.7 | 830.7 | 1288.7 | 861.4 | 331.5 | 198.0 | 281.7 |
| 76.5° | 1170.6 | 861.4 | 296.2 | 168.8 | 264.4 | 673.1 | 1170.6 | 861.4 | 296.2 | 168.8 | 264.4 |
| 77° | 981.2 | 558.5 | 226.4 | 157.7 | 217.5 | 673.1 | 981.2 | 558.5 | 226.4 | 157.7 | 217.5 |
| 77.5° | 981.2 | 558.5 | 226.4 | 138.7 | 217.5 | 531.1 | 981.2 | 558.5 | 226.4 | 138.7 | 217.5 |
| 78° | 810.6 | 434.4 | 179.5 | 136.4 | 175.5 | 531.1 | 810.6 | 434.4 | 179.5 | 136.4 | 175.5 |
| 78.5° | 745.8 | 434.4 | 174.9 | 121.9 | 157.1 | 424.4 | 745.8 | 434.4 | 174.9 | 121.9 | 157.1 |
| 79° | 653.5 | 304.6 | 155.4 | 99.5 | 139.8 | 424.4 | 653.5 | 304.6 | 155.4 | 99.5 | 139.8 |
| 79.5° | 601.6 | 263.8 | 149.3 | 99.5 | 111.2 | 343.3 | 601.6 | 263.8 | 149.3 | 99.5 | 111.2 |
| 80° | 517.1 | 209.6 | 132.0 | 74.9 | 105.1 | 264.4 | 517.1 | 209.6 | 132.0 | 74.9 | 105.1 |
| 80.5° | 476.9 | 159.3 | 126.3 | 74.9 | 86.1 | 264.4 | 476.9 | 159.3 | 126.3 | 74.9 | 86.1 |
| 81° | 401.4 | 159.3 | 100.1 | 66.0 | 81.1 | 185.6 | 401.4 | 159.3 | 100.1 | 66.0 | 81.1 |
| 81.5° | 368.4 | 115.8 | 95.6 | 63.1 | 66.6 | 185.6 | 368.4 | 115.8 | 95.6 | 63.1 | 66.6 |
| 82° | 303.0 | 115.8 | 72.7 | 59.9 | 66.6 | 127.4 | 303.0 | 115.8 | 72.7 | 59.9 | 66.6 |
| 82.5° | 222.4 | 101.1 | 58.2 | 55.3 | 56.5 | 127.4 | 222.4 | 101.1 | 58.2 | 55.3 | 56.5 |
| 83° | 222.4 | 89.4 | 52.0 | 44.2 | 56.5 | 96.2 | 222.4 | 89.4 | 52.0 | 44.2 | 56.5 |
| 83.5° | 161.6 | 78.2 | 47.5 | 36.8 | 44.7 | 96.2 | 161.6 | 78.2 | 47.5 | 36.8 | 44.7 |
| 84° | 149.3 | 67.7 | 44.2 | 36.8 | 40.8 | 73.2 | 149.3 | 67.7 | 44.2 | 36.8 | 40.8 |
| 84.5° | 112.9 | 47.5 | 36.8 | 33.5 | 36.4 | 73.2 | 112.9 | 47.5 | 36.8 | 33.5 | 36.4 |
| 85° | 104.5 | 47.5 | 35.8 | 29.0 | 32.4 | 55.3 | 104.5 | 47.5 | 35.8 | 29.0 | 32.4 |
| 85.5° | 76.7 | 35.3 | 30.2 | 28.5 | 26.9 | 39.7 | 76.7 | 35.3 | 30.2 | 28.5 | 26.9 |
| 86° | 69.9 | 29.0 | 28.0 | 22.9 | 21.8 | 39.7 | 69.9 | 29.0 | 28.0 | 22.9 | 21.8 |
| 86.5° | 49.2 | 23.5 | 24.6 | 21.2 | 20.6 | 38.0 | 49.2 | 23.5 | 24.6 | 21.2 | 20.6 |
| 87° | 31.3 | 18.5 | 17.3 | 11.8 | 12.3 | 38.0 | 31.3 | 18.5 | 17.3 | 11.8 | 12.3 |
| 87.5° | 31.3 | 14.0 | 11.2 | 11.8 | 12.3 | 36.8 | 31.3 | 14.0 | 11.2 | 11.8 | 12.3 |
| 88° | 17.3 | 8.4 | 10.7 | 7.8 | 7.8 | 36.8 | 17.3 | 8.4 | 10.7 | 7.8 | 7.8 |
| 88.5° | 17.3 | 7.2 | 10.7 | 7.2 | 6.1 | 36.8 | 17.3 | 7.2 | 10.7 | 7.2 | 6.1 |
| 89° | 10.1 | 5.5 | 6.7 | 7.2 | 3.4 | 36.8 | 10.1 | 5.5 | 6.7 | 7.2 | 3.4 |
| 89.5° | 10.1 | 5.5 | 6.7 | 5.0 | 3.4 | 36.8 | 10.1 | 5.5 | 6.7 | 5.0 | 3.4 |

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 90° | 1.7 | 2.8 | 3.4 | *2.3* | 3.4 | 36.8 | 1.7 | 2.8 | 3.4 | 2.3 | 3.4 |

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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 0° | 13785.3 | 13785.3 |
| 0.5° | 13785.3 | 13785.3 |
| 1° | *13776.6* | *13758.7* |
| 1.5° | 13763.2 | 13771.6 |
| 2° | 13765.4 | 13771.6 |
| 2.5° | 13772.8 | 13762.7 |
| 3° | 13745.3 | 13762.7 |
| 3.5° | 13752.6 | 13750.3 |
| 4° | 13752.0 | 13750.3 |
| 4.5° | 13735.8 | 13757.1 |
| 5° | 13732.5 | 13741.4 |
| 5.5° | 13729.7 | 13724.1 |
| 6° | 13714.6 | 13731.9 |
| 6.5° | 13705.6 | 13731.9 |
| 7° | 13705.6 | 13703.4 |
| 7.5° | 13663.7 | 13703.4 |
| 8° | 13661.4 | 13688.9 |
| 8.5° | 13659.3 | 13688.9 |
| 9° | 13634.7 | 13677.1 |
| 9.5° | 13616.8 | 13677.1 |
| 10° | 13610.6 | 13635.8 |
| 10.5° | 13594.4 | 13634.1 |
| 11° | 13573.1 | 13631.8 |
| 11.5° | 13564.2 | 13584.9 |
| 12° | 13542.4 | 13584.9 |
| 12.5° | 13511.1 | 13549.6 |
| 13° | 13488.8 | 13549.6 |
| 13.5° | 13456.3 | 13549.6 |
| 14° | 13427.7 | 13533.4 |
| 14.5° | 13417.8 | 13505.0 |
| 15° | 13396.5 | 13484.2 |
| 15.5° | 13364.0 | 13454.0 |
| 16° | 13344.0 | 13454.0 |
| 16.5° | 13318.8 | 13403.7 |
| 17° | 13283.0 | 13388.1 |
| 17.5° | 13258.4 | 13374.7 |
| 18° | 13239.9 | 13349.5 |
| 18.5° | 13160.0 | 13317.1 |
| 19° | 13140.5 | 13288.1 |
| 19.5° | 13113.6 | 13276.8 |
| 20° | 13072.2 | 13227.7 |
| 20.5° | 13037.1 | 13227.7 |
| 21° | 13009.6 | 13170.6 |
| 21.5° | 12968.8 | 13152.1 |
| 22° | 12930.8 | 13129.2 |

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 22.5° | 12900.1 | 13093.0 |
| 23° | 12857.6 | 13058.8 |
| 23.5° | 12773.7 | 13029.2 |
| 24° | 12740.7 | 13012.5 |
| 24.5° | 12688.2 | 12985.0 |
| 25° | 12637.9 | 12945.9 |
| 25.5° | 12606.0 | 12879.3 |
| 26° | 12606.0 | 12879.3 |
| 26.5° | 12487.0 | 12824.6 |
| 27° | 12487.0 | 12779.8 |
| 27.5° | 12379.0 | 12747.4 |
| 28° | 12379.0 | 12715.0 |
| 28.5° | 12279.5 | 12687.6 |
| 29° | 12158.7 | 12605.4 |
| 29.5° | 12158.7 | 12559.6 |
| 30° | 12040.2 | 12532.8 |
| 30.5° | 12040.2 | 12532.8 |
| 31° | 11910.0 | 12459.5 |
| 31.5° | 11910.0 | 12459.5 |
| 32° | 11761.8 | 12371.2 |
| 32.5° | 11761.8 | 12337.6 |
| 33° | 11614.3 | 12303.5 |
| 33.5° | 11536.5 | 12253.2 |
| 34° | 11441.5 | 12202.4 |
| 34.5° | 11260.9 | 12152.6 |
| 35° | 11260.9 | 12118.5 |
| 35.5° | 11054.1 | 12025.1 |
| 36° | 11054.1 | 12025.1 |
| 36.5° | 10821.5 | 11926.2 |
| 37° | 10821.5 | 11884.2 |
| 37.5° | 10570.0 | 11784.2 |
| 38° | 10570.0 | 11665.1 |
| 38.5° | 10278.1 | 11665.1 |
| 39° | 9961.1 | 11665.1 |
| 39.5° | 9961.1 | 11665.1 |
| 40° | 9588.2 | 11604.2 |
| 40.5° | 9588.2 | 11604.2 |
| 41° | 9166.1 | 11402.9 |
| 41.5° | 9166.1 | 11352.6 |
| 42° | 8484.7 | 11291.2 |
| 42.5° | 8484.7 | 11094.3 |
| 43° | 7908.9 | 11094.3 |
| 43.5° | 7908.9 | 11039.0 |
| 44° | 7908.9 | 11039.0 |
| 44.5° | 7908.9 | 10463.2 |

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 45° | 7159.7 | 10463.2 |
| 45.5° | 7020.0 | 10394.9 |
| 46° | 6802.0 | 10322.2 |
| 46.5° | 6684.5 | 10322.2 |
| 47° | 6499.5 | 10231.7 |
| 47.5° | 6400.5 | 10231.7 |
| 48° | 6255.7 | 10151.1 |
| 48.5° | 6159.0 | 10032.7 |
| 49° | 6039.4 | 9928.7 |
| 49.5° | 5825.3 | 9791.2 |
| 50° | 5742.0 | 9691.6 |
| 50.5° | 5639.2 | 9564.2 |
| 51° | 5549.7 | 9454.1 |
| 51.5° | 5447.9 | 9182.3 |
| 52° | 5367.4 | 9182.3 |
| 52.5° | 5277.4 | 8914.1 |
| 53° | 5190.8 | 8758.1 |
| 53.5° | 5108.0 | 8619.4 |
| 54° | 4935.3 | 8453.3 |
| 54.5° | 4854.8 | 8321.5 |
| 55° | 4776.5 | 8163.8 |
| 55.5° | 4694.3 | 8015.1 |
| 56° | 4609.9 | 7690.8 |
| 56.5° | 4550.6 | 7690.8 |
| 57° | 4470.7 | 7690.8 |
| 57.5° | 4413.7 | 7357.6 |
| 58° | 4337.1 | 7357.6 |
| 58.5° | 4251.6 | 7185.4 |
| 59° | 4185.0 | 6703.0 |
| 59.5° | 4054.3 | 6539.2 |
| 60° | 3980.5 | 6368.1 |
| 60.5° | 3922.9 | 6199.2 |
| 61° | 3854.0 | 6031.6 |
| 61.5° | 3689.8 | 5707.3 |
| 62° | 3600.3 | 5707.3 |
| 62.5° | 3600.3 | 5374.7 |
| 63° | 3520.4 | 5218.2 |
| 63.5° | 3520.4 | 5056.1 |
| 64° | 3457.7 | 4902.9 |
| 64.5° | 3229.1 | 4736.2 |
| 65° | 3229.1 | 4580.8 |
| 65.5° | 3028.9 | 4423.2 |
| 66° | 3028.9 | 4277.8 |
| 66.5° | 2898.6 | 4121.3 |
| 67° | 2898.6 | 3818.9 |

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 67.5° | 2684.0 | 3818.9 |
| 68° | 2591.7 | 3523.1 |
| 68.5° | 2478.2 | 3377.2 |
| 69° | 2478.2 | 3224.0 |
| 69.5° | 2252.4 | 3073.7 |
| 70° | 2041.6 | 2930.0 |
| 70.5° | 2041.6 | 2798.6 |
| 71° | 1782.3 | 2651.0 |
| 71.5° | 1782.3 | 2372.1 |
| 72° | 1577.1 | 2372.1 |
| 72.5° | 1577.1 | 2104.3 |
| 73° | 1378.5 | 1987.4 |
| 73.5° | 1378.5 | 1844.3 |
| 74° | 1181.8 | 1844.3 |
| 74.5° | 1181.8 | 1606.7 |
| 75° | 999.5 | 1507.8 |
| 75.5° | 830.7 | 1378.5 |
| 76° | 830.7 | 1288.7 |
| 76.5° | 673.1 | 1170.6 |
| 77° | 673.1 | 981.2 |
| 77.5° | 531.1 | 981.2 |
| 78° | 531.1 | 810.6 |
| 78.5° | 424.4 | 745.8 |
| 79° | 424.4 | 653.5 |
| 79.5° | 343.3 | 601.6 |
| 80° | 264.4 | 517.1 |
| 80.5° | 264.4 | 476.9 |
| 81° | 185.6 | 401.4 |
| 81.5° | 185.6 | 368.4 |
| 82° | 127.4 | 303.0 |
| 82.5° | 127.4 | 222.4 |
| 83° | 96.2 | 222.4 |
| 83.5° | 96.2 | 161.6 |
| 84° | 73.2 | 149.3 |
| 84.5° | 73.2 | 112.9 |
| 85° | 55.3 | 104.5 |
| 85.5° | 39.7 | 76.7 |
| 86° | 39.7 | 69.9 |
| 86.5° | 38.0 | 49.2 |
| 87° | 38.0 | 31.3 |
| 87.5° | 36.8 | 31.3 |
| 88° | 36.8 | 17.3 |
| 88.5° | 36.8 | 17.3 |
| 89° | 36.8 | 10.1 |
| 89.5° | 36.8 | 10.1 |

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 90° | 36.8 | 1.7 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594603
CATALOG NUMBER: FLXB-2436-M-MED-3000K

**CIE UGR TABLE:**

| Reflectances: | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ceiling | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| | Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| | Reference plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room Dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 27.5 | 29.0 | 27.9 | 29.3 | 29.6 | 24.8 | 26.3 | 25.2 | 26.6 | 27.0 |
| | 3H | 29.0 | 30.3 | 29.3 | 30.6 | 31.0 | 25.2 | 26.6 | 25.6 | 26.9 | 27.3 |
| | 4H | 29.3 | 30.5 | 29.7 | 30.9 | 31.3 | 25.2 | 26.5 | 25.6 | 26.8 | 27.2 |
| | 6H | 29.4 | 30.5 | 29.8 | 30.9 | 31.3 | 25.2 | 26.3 | 25.6 | 26.7 | 27.1 |
| | 8H | 29.3 | 30.4 | 29.8 | 30.8 | 31.2 | 25.1 | 26.2 | 25.5 | 26.6 | 27.0 |
| | 12H | 29.3 | 30.4 | 29.7 | 30.7 | 31.2 | 25.1 | 26.1 | 25.5 | 26.5 | 26.9 |
| 4H | 2H | 27.7 | 28.9 | 28.1 | 29.3 | 29.7 | 25.4 | 26.7 | 25.8 | 27.0 | 27.4 |
| | 3H | 29.3 | 30.3 | 29.7 | 30.7 | 31.1 | 25.9 | 26.9 | 26.3 | 27.3 | 27.7 |
| | 4H | 29.6 | 30.5 | 30.0 | 31.0 | 31.4 | 25.9 | 26.8 | 26.3 | 27.2 | 27.6 |
| | 6H | 29.7 | 30.5 | 30.2 | 31.0 | 31.4 | 25.8 | 26.6 | 26.3 | 27.1 | 27.5 |
| | 8H | 29.7 | 30.5 | 30.2 | 30.9 | 31.4 | 25.8 | 26.5 | 26.2 | 27.0 | 27.4 |
| | 12H | 29.7 | 30.3 | 30.2 | 30.8 | 31.3 | 25.8 | 26.4 | 26.2 | 26.9 | 27.4 |
| 8H | 4H | 29.6 | 30.3 | 30.0 | 30.7 | 31.2 | 26.0 | 26.7 | 26.4 | 27.2 | 27.6 |
| | 6H | 29.7 | 30.3 | 30.2 | 30.8 | 31.2 | 25.9 | 26.5 | 26.4 | 27.0 | 27.5 |
| | 8H | 29.6 | 30.2 | 30.2 | 30.7 | 31.2 | 25.9 | 26.4 | 26.4 | 26.9 | 27.4 |
| | 12H | 29.6 | 30.1 | 30.1 | 30.6 | 31.2 | 25.8 | 26.3 | 26.4 | 26.8 | 27.4 |
| 12H | 4H | 29.5 | 30.2 | 30.0 | 30.7 | 31.1 | 26.0 | 26.6 | 26.4 | 27.1 | 27.6 |
| | 6H | 29.6 | 30.2 | 30.1 | 30.6 | 31.2 | 25.9 | 26.4 | 26.4 | 26.9 | 27.4 |
| | 8H | 29.6 | 30.1 | 30.1 | 30.6 | 31.2 | 25.9 | 26.3 | 26.4 | 26.8 | 27.4 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

# LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP3-2602-684-1

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3000K

Data in this report applies to families of products including HLBX-2436*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

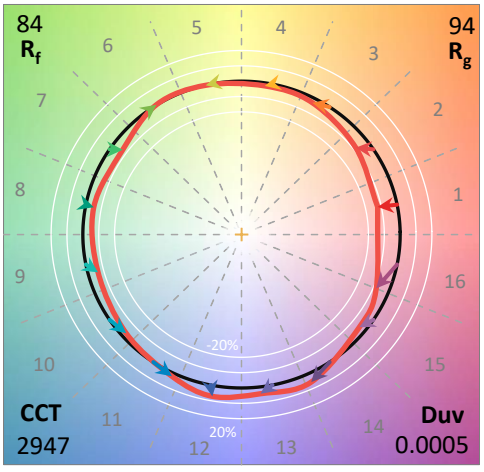
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP3-2602-684-1 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP3 - 3M SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 02/27/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | Metalux |
| Catalog Number: | **HLBX-2436-W-HI-3000K** |
| Description: | LDS HLBX 2436 W beam, HI lumen, 3000K CCT settings |

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 2947 | CRI (Ra): | 81.4 | | |
| CIE u': | 0.2523 | R1: | 79.9 | R9: | 0.7 |
| CIE v': | 0.5232 | R2: | 91.2 | R10: | 79.6 |
| Duv: | 0.0005 | R3: | 95.4 | R11: | 77.4 |
| CIE x: | 0.4415 | R4: | 78.4 | R12: | 68.4 |
| CIE y: | 0.4069 | R5: | 79.9 | R13: | 82.7 |
| CIE z: | 0.1516 | R6: | 89.4 | R14: | 98.3 |
| Peak Wavelength (nm): | 605 | R7: | 81.1 | R15: | 71.7 |
| Dominant Wavelength (nm): | 582 | R8: | 55.6 | | |
| Purity: | 54.65632 | | | | |

| | |
|---|---|
| Rf: | 83.6 |
| Rg: | 93.7 |




## Test Conditions

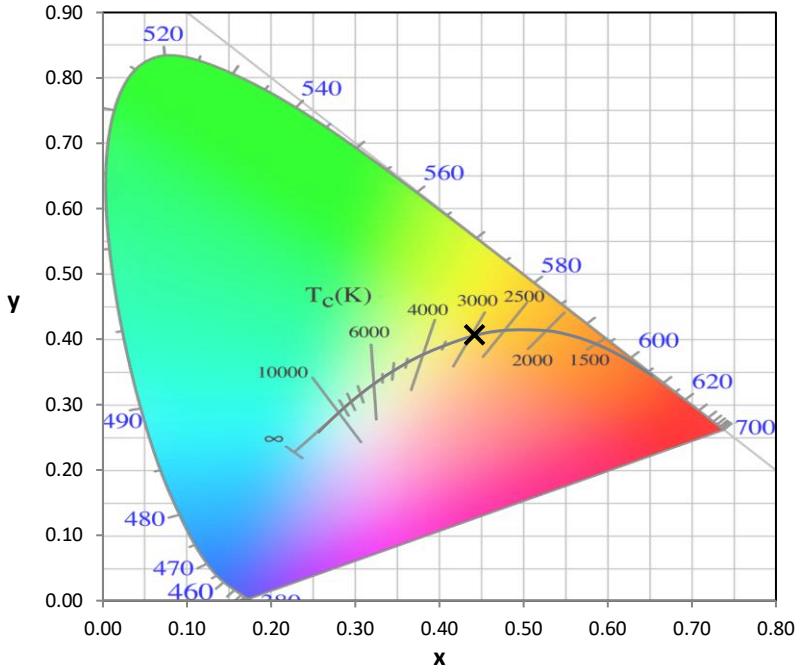
| | |
|---|---|
| Stabilization Time: | 31M |
| Operation Time: | 1H 31M |
| Sphere Temperature (°C): | 25.0 |

REPORT NUMBER: SP3-2602-684-1

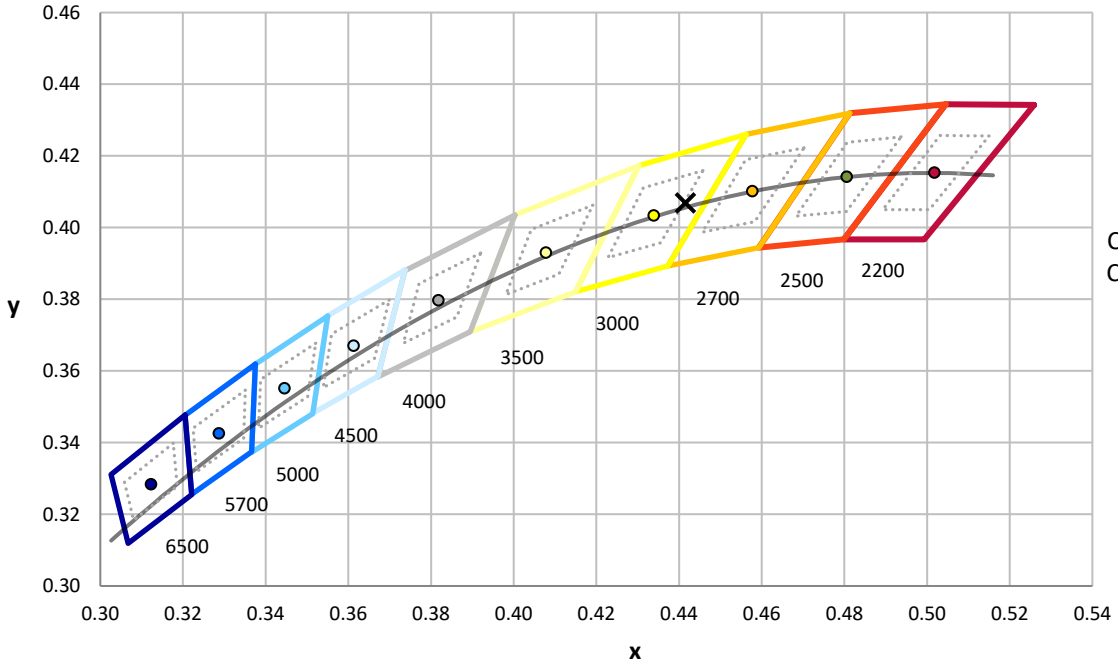
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | 3M SPHERE IN02505 | 1/10/2026 | 7/10/2026 |
| Power Meter | XITRON INXT2011006 | 10/21/2025 | 10/21/2026 |
| AC Power Source | CHROMA 61604 IN6064A | 10/20/2025 | 10/20/2026 |
| DC Power Source | EYSIGHT N5770A IN0534 | 10/20/2025 | 10/20/2026 |
| Sphere Thermometer | TANDD IN4036E | 10/21/2025 | 10/21/2026 |
| | | | |

REPORT NUMBER: SP3-2602-684-1

## CIE 1931 Chromaticity Diagram




## CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

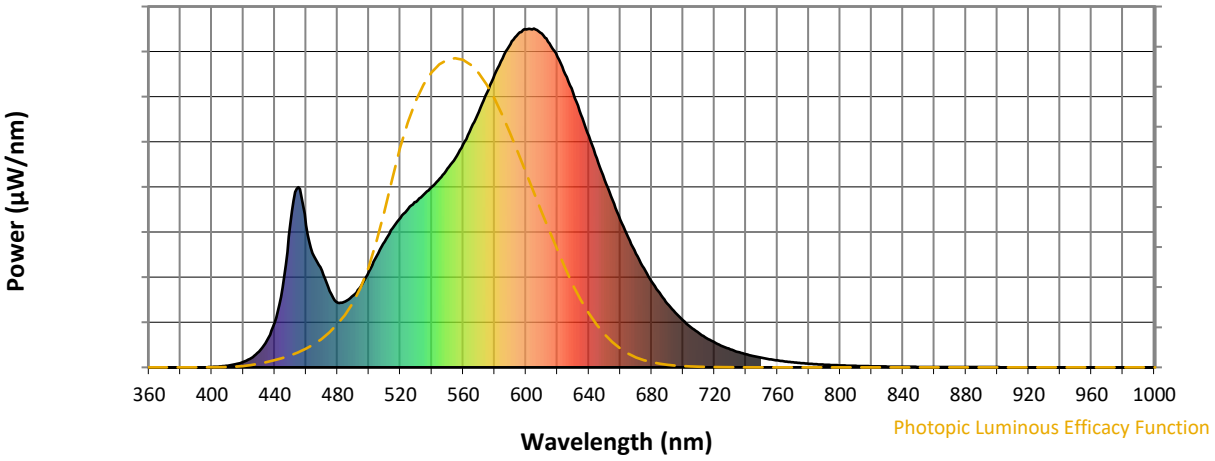



CCT = 2947K
CIE x = 0.4415
CIE y = 0.4069
Duv = 0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-1

## Photopic Flux vs. Wavelength

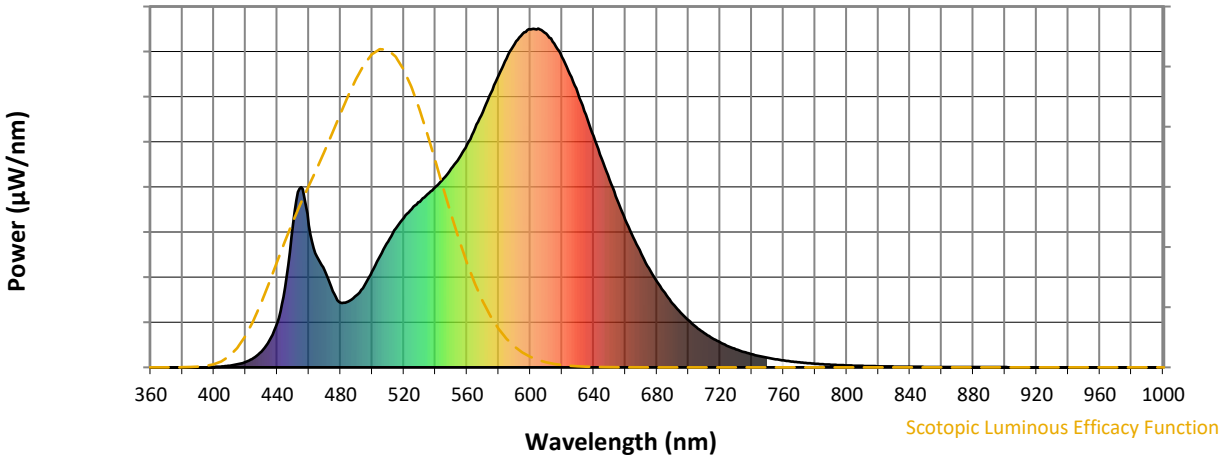



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 213 | NR | 620 | 916 | NR | 750 | 28 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 240 | NR | 625 | 865 | NR | 755 | 24 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 283 | NR | 630 | 810 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 329 | NR | 635 | 746 | NR | 765 | 17 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 372 | NR | 640 | 683 | NR | 770 | 15 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 410 | NR | 645 | 617 | NR | 775 | 13 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 441 | NR | 650 | 554 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 0 | NR | 525 | 468 | NR | 655 | 494 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 1 | NR | 530 | 488 | NR | 660 | 436 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 3 | NR | 535 | 511 | NR | 665 | 384 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 533 | NR | 670 | 336 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 9 | NR | 545 | 557 | NR | 675 | 292 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 16 | NR | 550 | 586 | NR | 680 | 253 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 28 | NR | 555 | 618 | NR | 685 | 220 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 47 | NR | 560 | 658 | NR | 690 | 188 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 79 | NR | 565 | 706 | NR | 695 | 162 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 132 | NR | 570 | 754 | NR | 700 | 138 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 236 | NR | 575 | 810 | NR | 705 | 118 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 424 | NR | 580 | 864 | NR | 710 | 101 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 532 | NR | 585 | 911 | NR | 715 | 86 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 420 | NR | 590 | 954 | NR | 720 | 74 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 327 | NR | 595 | 985 | NR | 725 | 63 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 286 | NR | 600 | 997 | NR | 730 | 53 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 225 | NR | 605 | 1000 | NR | 735 | 46 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 191 | NR | 610 | 985 | NR | 740 | 39 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 194 | NR | 615 | 956 | NR | 745 | 33 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP3-2602-684-1

## Scotopic Flux vs. Wavelength

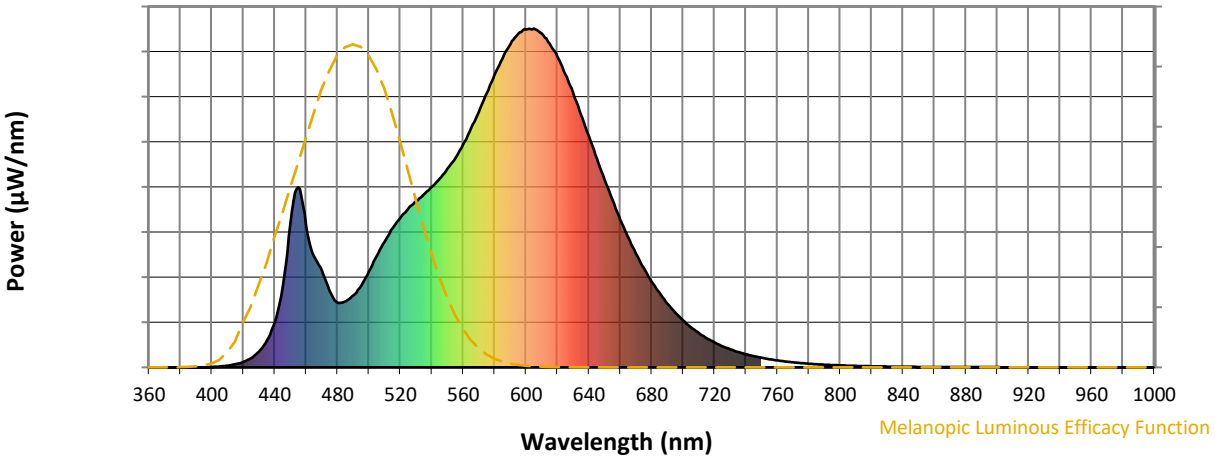



**Scotopic Lumens: NR** **S/P: 1.32**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 213 | NR | 620 | 916 | NR | 750 | 28 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 240 | NR | 625 | 865 | NR | 755 | 24 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 283 | NR | 630 | 810 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 329 | NR | 635 | 746 | NR | 765 | 17 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 372 | NR | 640 | 683 | NR | 770 | 15 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 410 | NR | 645 | 617 | NR | 775 | 13 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 441 | NR | 650 | 554 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 0 | NR | 525 | 468 | NR | 655 | 494 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 1 | NR | 530 | 488 | NR | 660 | 436 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 3 | NR | 535 | 511 | NR | 665 | 384 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 533 | NR | 670 | 336 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 9 | NR | 545 | 557 | NR | 675 | 292 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 16 | NR | 550 | 586 | NR | 680 | 253 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 28 | NR | 555 | 618 | NR | 685 | 220 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 47 | NR | 560 | 658 | NR | 690 | 188 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 79 | NR | 565 | 706 | NR | 695 | 162 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 132 | NR | 570 | 754 | NR | 700 | 138 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 236 | NR | 575 | 810 | NR | 705 | 118 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 424 | NR | 580 | 864 | NR | 710 | 101 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 532 | NR | 585 | 911 | NR | 715 | 86 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 420 | NR | 590 | 954 | NR | 720 | 74 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 327 | NR | 595 | 985 | NR | 725 | 63 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 286 | NR | 600 | 997 | NR | 730 | 53 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 225 | NR | 605 | 1000 | NR | 735 | 46 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 191 | NR | 610 | 985 | NR | 740 | 39 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 194 | NR | 615 | 956 | NR | 745 | 33 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP3-2602-684-1

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.54**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 213 | NR | 620 | 916 | NR | 750 | 28 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 240 | NR | 625 | 865 | NR | 755 | 24 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 283 | NR | 630 | 810 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 329 | NR | 635 | 746 | NR | 765 | 17 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 372 | NR | 640 | 683 | NR | 770 | 15 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 410 | NR | 645 | 617 | NR | 775 | 13 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 441 | NR | 650 | 554 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 0 | NR | 525 | 468 | NR | 655 | 494 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 1 | NR | 530 | 488 | NR | 660 | 436 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 3 | NR | 535 | 511 | NR | 665 | 384 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 533 | NR | 670 | 336 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 9 | NR | 545 | 557 | NR | 675 | 292 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 16 | NR | 550 | 586 | NR | 680 | 253 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 28 | NR | 555 | 618 | NR | 685 | 220 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 47 | NR | 560 | 658 | NR | 690 | 188 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 79 | NR | 565 | 706 | NR | 695 | 162 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 132 | NR | 570 | 754 | NR | 700 | 138 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 236 | NR | 575 | 810 | NR | 705 | 118 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 424 | NR | 580 | 864 | NR | 710 | 101 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 532 | NR | 585 | 911 | NR | 715 | 86 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 420 | NR | 590 | 954 | NR | 720 | 74 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 327 | NR | 595 | 985 | NR | 725 | 63 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 286 | NR | 600 | 997 | NR | 730 | 53 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 225 | NR | 605 | 1000 | NR | 735 | 46 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 191 | NR | 610 | 985 | NR | 740 | 39 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 194 | NR | 615 | 956 | NR | 745 | 33 | NR | 875 | 1 | NR | | | |

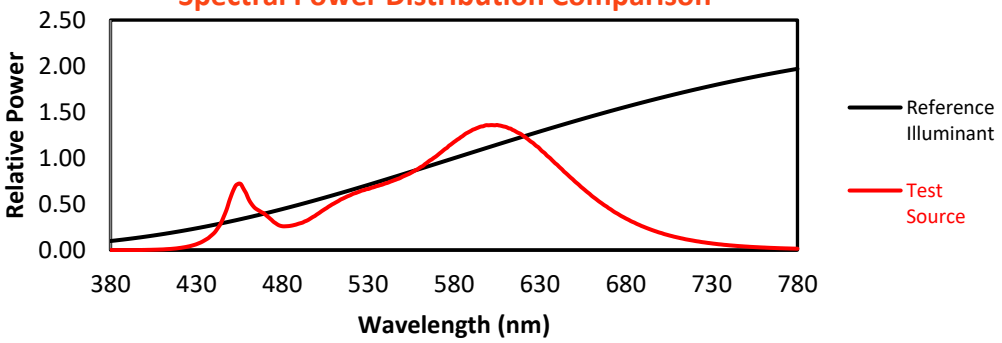
REPORT NUMBER: SP3-2602-684-1

# TM-30-18

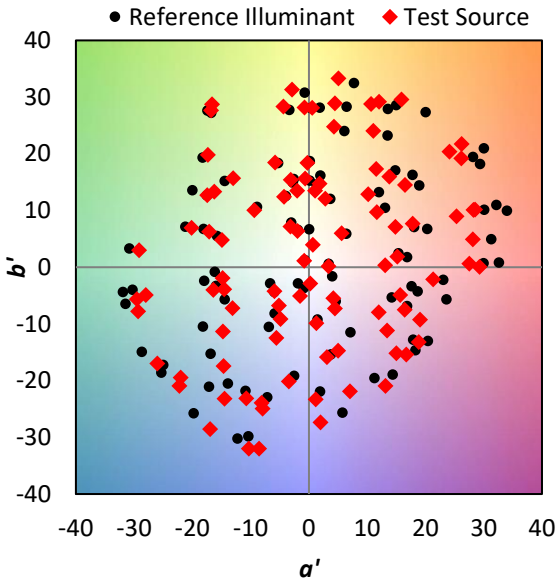
## Summary

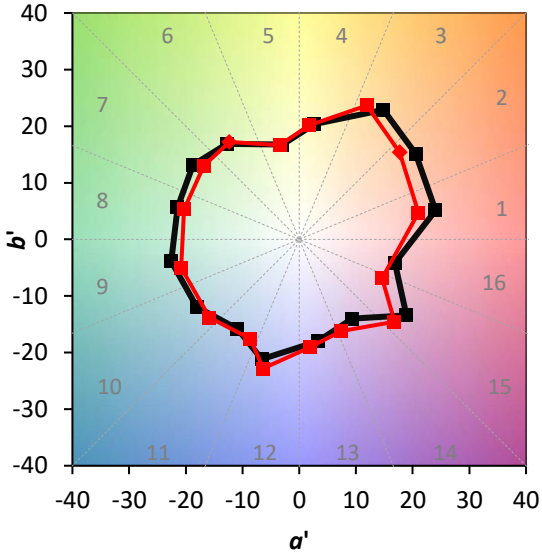
$R_f$ = 83.6
$R_g$ = 93.7
CIE $R_a$ = 81.4
$R_9$ = 0.7

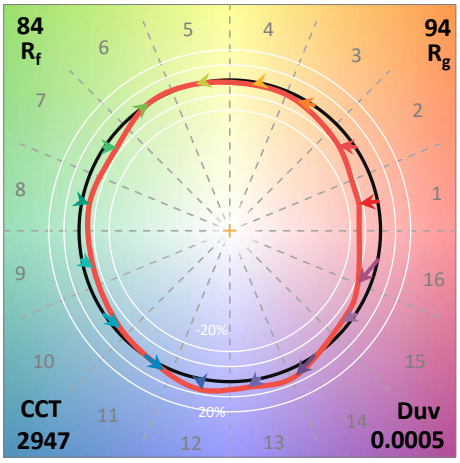
## Spectral Power Distribution Comparison

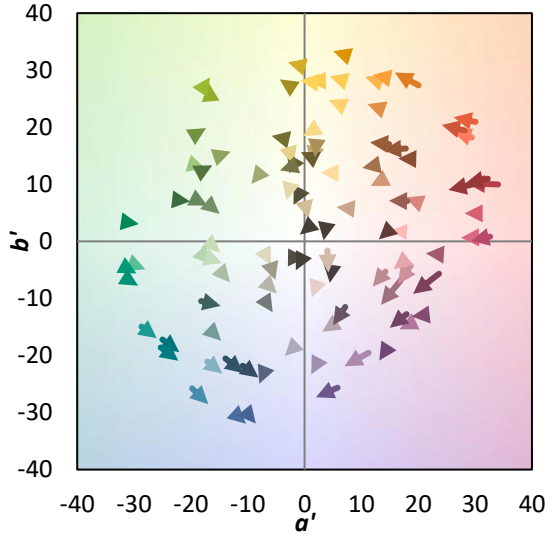



## Color Vector Graphics



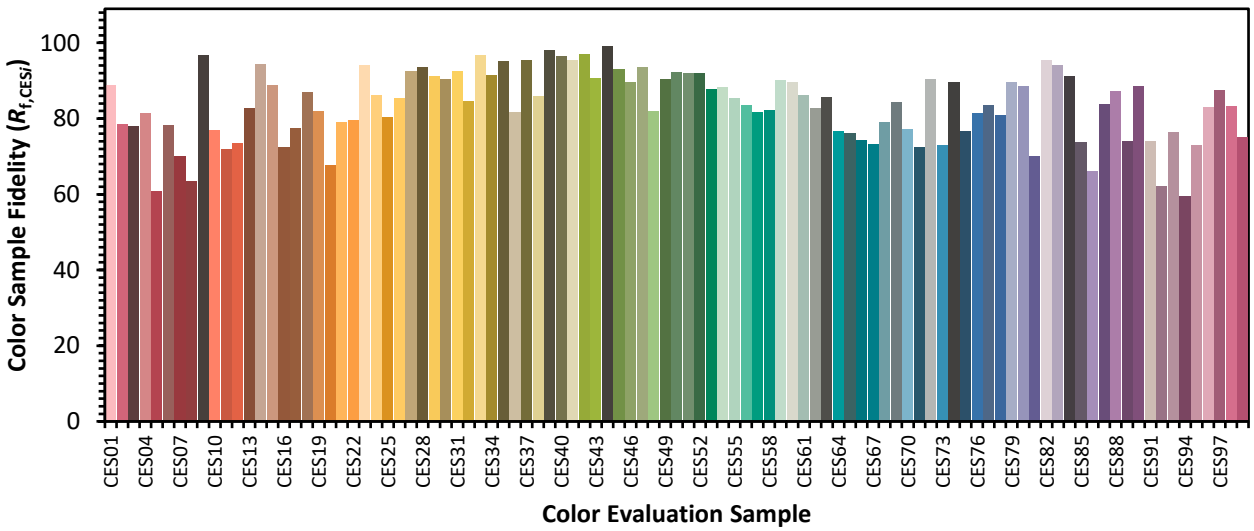



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**Individual Sample Fidelity Index ($R_{f,i}$)**

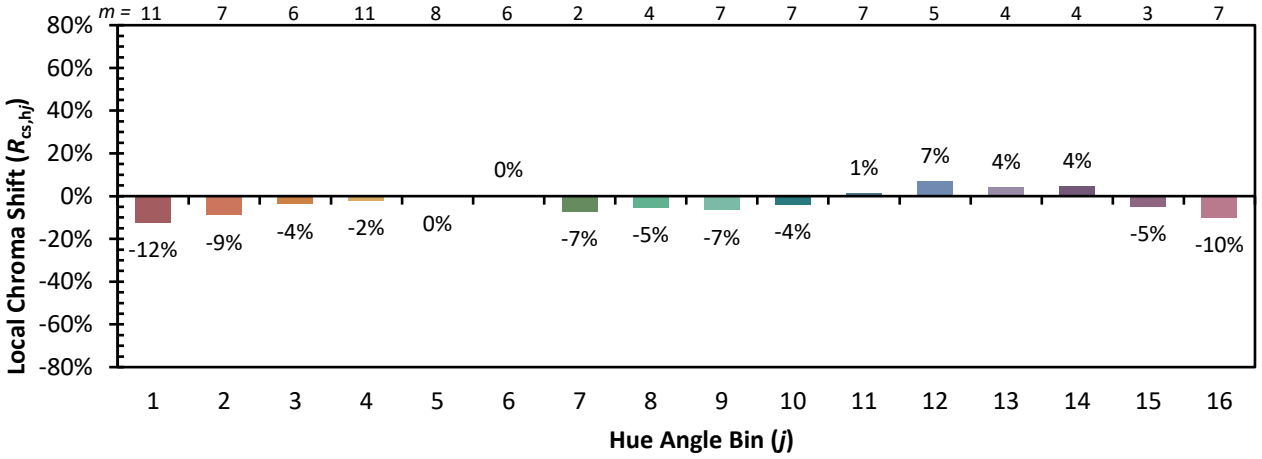
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 86 | CES51 = 92 | CES76 = 81 |
| CES02 = 63 | CES27 = 92 | CES52 = 92 | CES77 = 84 |
| CES03 = 31 | CES28 = 94 | CES53 = 88 | CES78 = 81 |
| CES04 = 71 | CES29 = 91 | CES54 = 88 | CES79 = 90 |
| CES05 = 50 | CES30 = 90 | CES55 = 85 | CES80 = 89 |
| CES06 = 51 | CES31 = 93 | CES56 = 83 | CES81 = 70 |
| CES07 = 42 | CES32 = 84 | CES57 = 82 | CES82 = 95 |
| CES08 = 41 | CES33 = 97 | CES58 = 82 | CES83 = 94 |
| CES09 = 29 | CES34 = 91 | CES59 = 90 | CES84 = 91 |
| CES10 = 76 | CES35 = 95 | CES60 = 90 | CES85 = 74 |
| CES11 = 59 | CES36 = 82 | CES61 = 86 | CES86 = 66 |
| CES12 = 65 | CES37 = 96 | CES62 = 83 | CES87 = 84 |
| CES13 = 44 | CES38 = 86 | CES63 = 86 | CES88 = 87 |
| CES14 = 74 | CES39 = 98 | CES64 = 77 | CES89 = 74 |
| CES15 = 72 | CES40 = 96 | CES65 = 76 | CES90 = 89 |
| CES16 = 48 | CES41 = 95 | CES66 = 74 | CES91 = 74 |
| CES17 = 50 | CES42 = 97 | CES67 = 73 | CES92 = 62 |
| CES18 = 57 | CES43 = 91 | CES68 = 79 | CES93 = 76 |
| CES19 = 72 | CES44 = 99 | CES69 = 84 | CES94 = 60 |
| CES20 = 67 | CES45 = 93 | CES70 = 77 | CES95 = 73 |
| CES21 = 87 | CES46 = 90 | CES71 = 73 | CES96 = 83 |
| CES22 = 79 | CES47 = 93 | CES72 = 91 | CES97 = 88 |
| CES23 = 92 | CES48 = 82 | CES73 = 73 | CES98 = 83 |
| CES24 = 91 | CES49 = 90 | CES74 = 90 | CES99 = 75 |
| CES25 = 72 | CES50 = 92 | CES75 = 77 | |

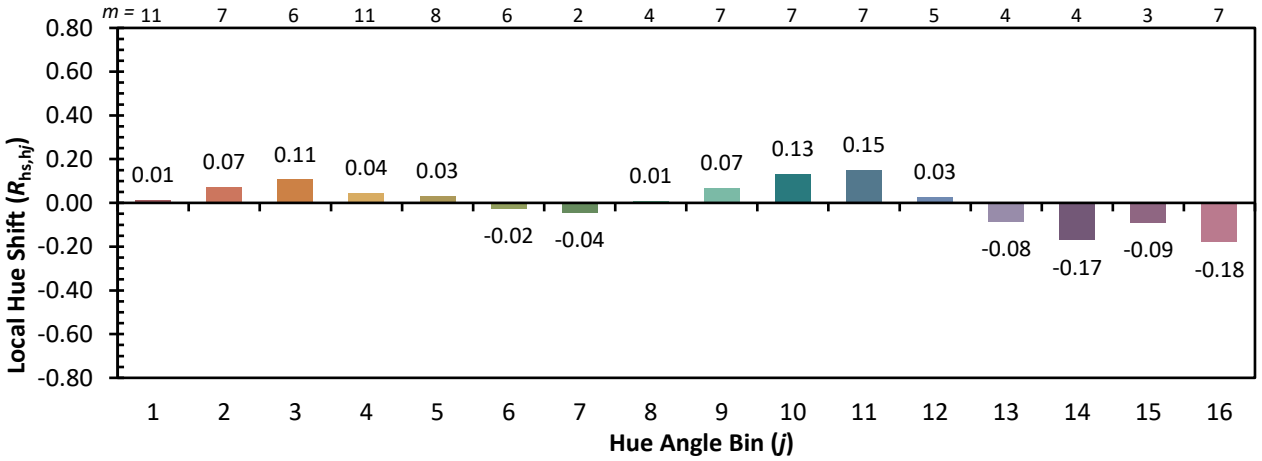


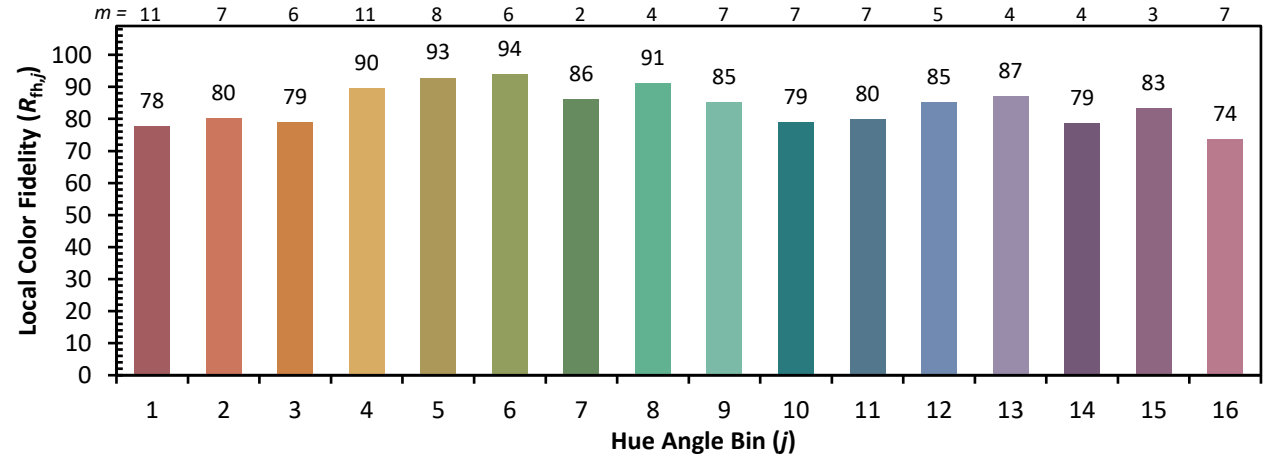
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## Color Rendition by Hue-Angle Bin



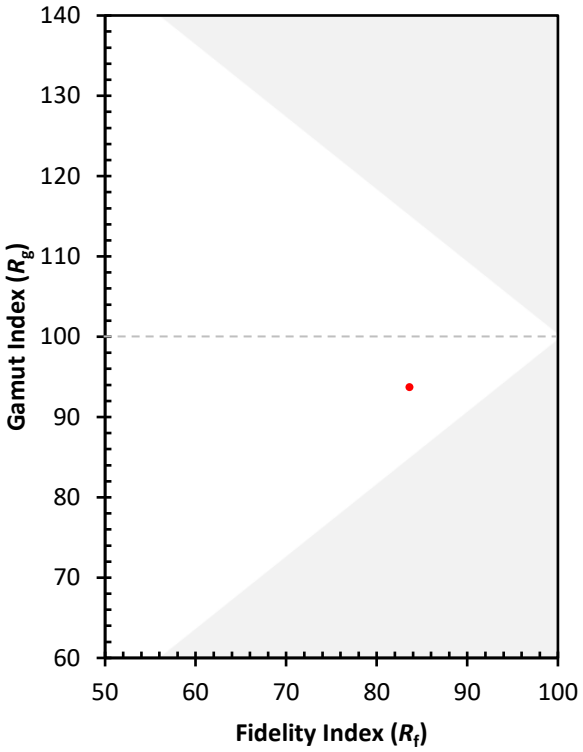



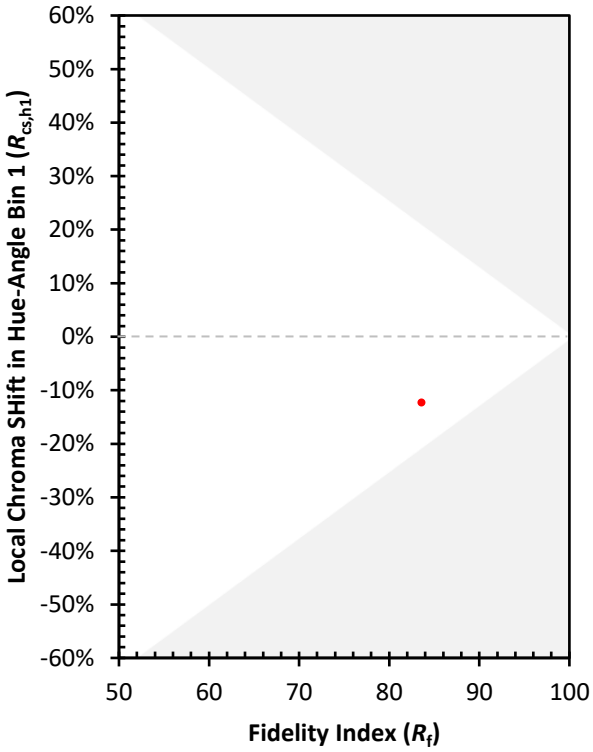



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## Measure Comparisons




(END OF REPORT)