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: P1594549

Luminaire Tested: FLXB-1224-M-HI-3500K

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: | P1594549 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2601782A001) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 10/2/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | METALUX |
| Catalog Number: | FLXB-1224-M-HI-3500K |
| Description: | 1224 FlexBay Linear High bay at M beam, HI lumen, 3500K CCT settings |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 24129.0 lumens |
| Efficiency: | N/A |
| Efficacy: | 166.9 lumens/watt |
| Spacing Criteria (0/90/45): | 1.35 / 1.17 / 1.26 |
| Luminous Opening: | Rectangular (W 1.04' x L: 1.19' x H: 0') |
| CIE Type: | Direct |

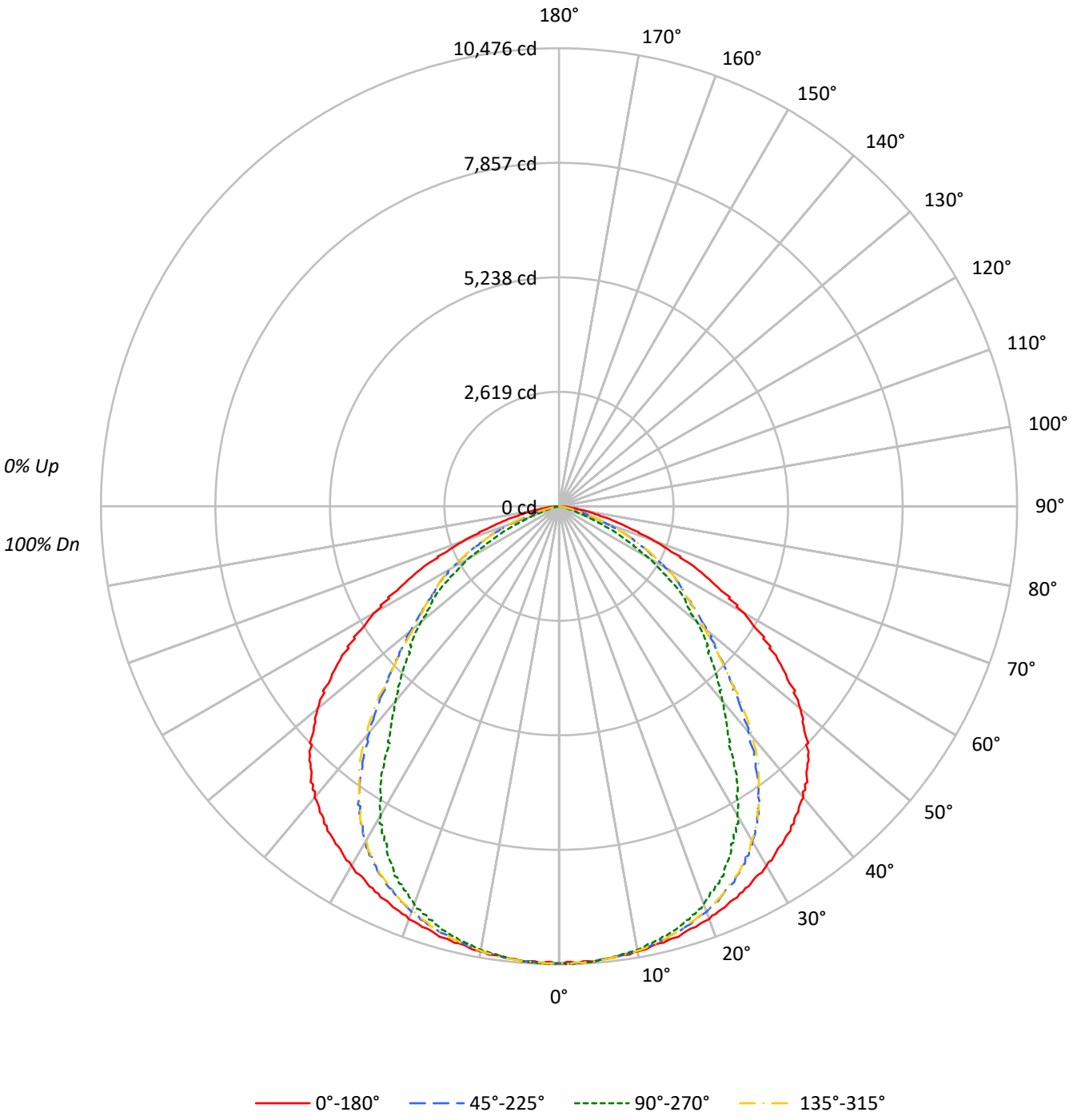
| | |
|---|---|
| Input Watts (W): | 144.6 |
| Input Voltage (V): | NR |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | NR |
| Total Harmonic Distortion (THDi): | NR |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

## Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

## 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 | 106 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 |
| 2 | 102 | 94 | 89 | 84 | 99 | 93 | 87 | 83 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 70 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 70 | 67 | 65 |
| 4 | 86 | 75 | 67 | 61 | 84 | 74 | 67 | 61 | 72 | 65 | 60 | 69 | 64 | 59 | 67 | 62 | 58 | 56 |
| 5 | 80 | 68 | 60 | 53 | 78 | 67 | 59 | 53 | 65 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 50 |
| 6 | 74 | 61 | 53 | 47 | 72 | 61 | 53 | 47 | 59 | 52 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 44 |
| 7 | 69 | 56 | 48 | 42 | 67 | 55 | 47 | 42 | 54 | 47 | 42 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| 9 | 60 | 47 | 39 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 40 | 35 | 31 | 29 |

## AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|---|---|---|---|---|
| 0° | 90949 | 90949 | 90949 | 90949 |
| 5° | 91052 | 90979 | 91052 | 90979 |
| 10° | 91338 | 90991 | 91338 | 90991 |
| 15° | 92058 | 90651 | 92058 | 90651 |
| 20° | 93045 | 89634 | 93045 | 89634 |
| 25° | 93806 | 86752 | 93806 | 86752 |
| 30° | 95392 | 81945 | 95392 | 81945 |
| 35° | 97062 | 73191 | 97062 | 73191 |
| 40° | 98789 | 65954 | 98789 | 65954 |
| 45° | 99113 | 60448 | 99113 | 60448 |
| 50° | 97649 | 55846 | 97649 | 55846 |
| 55° | 92532 | 50639 | 92532 | 50639 |
| 60° | 85207 | 41367 | 85207 | 41367 |
| 65° | 74180 | 30096 | 74180 | 30096 |
| 70° | 59444 | 16026 | 59444 | 16026 |
| 75° | 45101 | 7887 | 45101 | 7887 |
| 80° | 30602 | 3673 | 30602 | 3673 |
| 85° | 21755 | 2766 | 21755 | 2766 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45.5°
Luminance: 99366 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 991.8 | 4.1 |
| 10°-20° | 2860.2 | 11.9 |
| 20°-30° | 4339.3 | 18.0 |
| 30°-40° | 4973.8 | 20.6 |
| 40°-50° | 4507.8 | 18.7 |
| 50°-60° | 3524.0 | 14.6 |
| 60°-70° | 2140.9 | 8.9 |
| 70°-80° | 700.4 | 2.9 |
| 80°-90° | 90.8 | 0.4 |
| 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° | 8191.3 | 33.9 |
| 0°-40° | 13165.1 | 54.6 |
| 0°-60° | 21196.9 | 87.8 |
| 0°-90° | 24129.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 24129.0 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | 90° | 180° | 270° | 360° | Flux |
|---|---|---|---|---|---|---|
| 0° | 10452 | 10452 | 10452 | 10452 | 10452 | |
| 5° | 10424 | 10416 | 10424 | 10416 | 10424 | 992 |
| 15° | 10219 | 10063 | 10219 | 10063 | 10219 | 2887 |
| 25° | 9770 | 9036 | 9770 | 9036 | 9770 | 4517 |
| 35° | 9137 | 6890 | 9137 | 6890 | 9137 | 5714 |
| 45° | 8054 | 4912 | 8054 | 4912 | 8054 | 6184 |
| 55° | 6099 | 3338 | 6099 | 3338 | 6099 | 5433 |
| 65° | 3603 | 1462 | 3603 | 1462 | 3603 | 3541 |
| 75° | 1342 | 235 | 1342 | 235 | 1342 | 1440 |
| 85° | 218 | 28 | 218 | 28 | 218 | 265 |
| 90° | 26 | 3 | 26 | 3 | 26 | |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 |
| 0.5° | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 | 10452.1 |
| 1° | 10422.2 | 10453.0 | 10446.6 | 10475.6 | 10446.0 | 10452.4 | 10422.2 | 10453.0 | 10446.6 | 10475.6 | 10446.0 |
| 1.5° | 10422.2 | 10469.8 | 10463.3 | 10464.6 | 10460.8 | 10458.8 | 10422.2 | 10469.8 | 10463.3 | 10464.6 | 10460.8 |
| 2° | 10444.1 | 10460.1 | 10463.3 | 10464.6 | 10418.3 | 10469.1 | 10444.1 | 10460.1 | 10463.3 | 10464.6 | 10418.3 |
| 2.5° | 10444.1 | 10450.5 | 10456.9 | 10452.4 | 10418.3 | 10460.8 | 10444.1 | 10450.5 | 10456.9 | 10452.4 | 10418.3 |
| 3° | 10419.0 | 10450.5 | 10456.9 | 10452.4 | 10447.9 | 10464.6 | 10419.0 | 10450.5 | 10456.9 | 10452.4 | 10447.9 |
| 3.5° | 10419.0 | 10436.3 | 10424.8 | 10452.4 | 10428.0 | 10450.5 | 10419.0 | 10436.3 | 10424.8 | 10452.4 | 10428.0 |
| 4° | 10430.6 | 10436.3 | 10424.8 | 10452.4 | 10419.6 | 10450.5 | 10430.6 | 10436.3 | 10424.8 | 10452.4 | 10419.6 |
| 4.5° | 10444.7 | 10444.1 | 10436.3 | 10436.3 | 10418.3 | 10460.8 | 10444.7 | 10444.1 | 10436.3 | 10436.3 | 10418.3 |
| 5° | 10424.1 | 10429.3 | 10424.1 | 10415.8 | 10426.1 | 10432.5 | 10424.1 | 10429.3 | 10424.1 | 10415.8 | 10426.1 |
| 5.5° | 10404.2 | 10414.5 | 10399.1 | 10411.3 | 10411.3 | 10417.7 | 10404.2 | 10414.5 | 10399.1 | 10411.3 | 10411.3 |
| 6° | 10406.1 | 10424.1 | 10402.3 | 10399.1 | 10406.8 | 10420.9 | 10406.1 | 10424.1 | 10402.3 | 10399.1 | 10406.8 |
| 6.5° | 10399.7 | 10411.9 | 10402.3 | 10399.1 | 10381.1 | 10427.3 | 10399.7 | 10411.9 | 10402.3 | 10399.1 | 10381.1 |
| 7° | 10399.7 | 10391.3 | 10377.9 | 10370.8 | 10362.4 | 10413.9 | 10399.7 | 10391.3 | 10377.9 | 10370.8 | 10362.4 |
| 7.5° | 10366.9 | 10388.8 | 10377.9 | 10370.8 | 10370.1 | 10410.6 | 10366.9 | 10388.8 | 10377.9 | 10370.8 | 10370.1 |
| 8° | 10366.9 | 10396.5 | 10342.5 | 10343.8 | 10370.1 | 10388.8 | 10366.9 | 10396.5 | 10342.5 | 10343.8 | 10370.1 |
| 8.5° | 10376.6 | 10361.8 | 10342.5 | 10343.8 | 10339.9 | 10376.6 | 10376.6 | 10361.8 | 10342.5 | 10343.8 | 10339.9 |
| 9° | 10376.6 | 10365.6 | 10338.6 | 10326.4 | 10330.9 | 10381.7 | 10376.6 | 10365.6 | 10338.6 | 10326.4 | 10330.9 |
| 9.5° | 10337.3 | 10351.5 | 10338.6 | 10316.8 | 10330.9 | 10352.1 | 10337.3 | 10351.5 | 10338.6 | 10316.8 | 10330.9 |
| 10° | 10337.3 | 10329.0 | 10288.5 | 10298.1 | 10314.9 | 10328.4 | 10337.3 | 10329.0 | 10288.5 | 10298.1 | 10314.9 |
| 10.5° | 10330.3 | 10330.9 | 10288.5 | 10280.8 | 10294.3 | 10332.9 | 10330.3 | 10330.9 | 10288.5 | 10280.8 | 10294.3 |
| 11° | 10330.3 | 10320.0 | 10282.1 | 10254.4 | 10259.6 | 10339.3 | 10330.3 | 10320.0 | 10282.1 | 10254.4 | 10259.6 |
| 11.5° | 10302.6 | 10293.6 | 10259.6 | 10215.2 | 10235.2 | 10304.6 | 10302.6 | 10293.6 | 10259.6 | 10215.2 | 10235.2 |
| 12° | 10275.0 | 10282.1 | 10228.1 | 10215.2 | 10219.7 | 10282.1 | 10275.0 | 10282.1 | 10228.1 | 10215.2 | 10219.7 |
| 12.5° | 10258.3 | 10255.1 | 10191.4 | 10179.9 | 10219.1 | 10279.5 | 10258.3 | 10255.1 | 10191.4 | 10179.9 | 10219.1 |
| 13° | 10254.4 | 10255.1 | 10191.4 | 10179.9 | 10152.2 | 10264.1 | 10254.4 | 10255.1 | 10191.4 | 10179.9 | 10152.2 |
| 13.5° | 10264.1 | 10232.6 | 10158.0 | 10123.9 | 10152.2 | 10242.9 | 10264.1 | 10232.6 | 10158.0 | 10123.9 | 10152.2 |
| 14° | 10235.1 | 10218.4 | 10158.0 | 10123.9 | 10129.1 | 10222.9 | 10235.1 | 10218.4 | 10158.0 | 10123.9 | 10129.1 |
| 14.5° | 10215.2 | 10188.9 | 10073.2 | 10086.7 | 10092.5 | 10191.4 | 10215.2 | 10188.9 | 10073.2 | 10086.7 | 10092.5 |
| 15° | 10219.1 | 10183.1 | 10075.1 | 10062.9 | 10071.3 | 10175.4 | 10219.1 | 10183.1 | 10075.1 | 10062.9 | 10071.3 |
| 15.5° | 10219.1 | 10170.9 | 10066.1 | 10038.5 | 10033.3 | 10180.5 | 10219.1 | 10170.9 | 10066.1 | 10038.5 | 10033.3 |
| 16° | 10181.2 | 10140.0 | 10044.9 | 9992.8 | 10006.3 | 10138.1 | 10181.2 | 10140.0 | 10044.9 | 9992.8 | 10006.3 |
| 16.5° | 10153.5 | 10117.5 | 9998.0 | 9965.8 | 9978.0 | 10109.8 | 10153.5 | 10117.5 | 9998.0 | 9965.8 | 9978.0 |
| 17° | 10130.4 | 10113.7 | 9949.1 | 9904.8 | 9971.0 | 10104.7 | 10130.4 | 10113.7 | 9949.1 | 9904.8 | 9971.0 |
| 17.5° | 10114.9 | 10081.5 | 9949.1 | 9904.8 | 9882.9 | 10077.0 | 10114.9 | 10081.5 | 9949.1 | 9904.8 | 9882.9 |
| 18° | 10116.2 | 10045.5 | 9891.3 | 9829.6 | 9882.9 | 10052.6 | 10116.2 | 10045.5 | 9891.3 | 9829.6 | 9882.9 |
| 18.5° | 10084.1 | 10045.5 | 9891.3 | 9829.6 | 9841.1 | 10017.9 | 10084.1 | 10045.5 | 9891.3 | 9829.6 | 9841.1 |
| 19° | 10065.5 | 9992.8 | 9809.6 | 9754.3 | 9841.1 | 9981.9 | 10065.5 | 9992.8 | 9809.6 | 9754.3 | 9841.1 |
| 19.5° | 10055.8 | 9980.0 | 9809.6 | 9754.3 | 9753.1 | 9964.5 | 10055.8 | 9980.0 | 9809.6 | 9754.3 | 9753.1 |
| 20° | 10048.1 | 9965.8 | 9767.2 | 9679.8 | 9702.3 | 9958.1 | 10048.1 | 9965.8 | 9767.2 | 9679.8 | 9702.3 |
| 20.5° | 9991.5 | 9925.3 | 9724.8 | 9612.3 | 9682.3 | 9922.8 | 9991.5 | 9925.3 | 9724.8 | 9612.3 | 9682.3 |
| 21° | 9991.5 | 9896.4 | 9666.3 | 9573.1 | 9639.3 | 9894.5 | 9991.5 | 9896.4 | 9666.3 | 9573.1 | 9639.3 |
| 21.5° | 9954.9 | 9884.2 | 9606.5 | 9470.2 | 9618.1 | 9867.5 | 9954.9 | 9884.2 | 9606.5 | 9470.2 | 9618.1 |
| 22° | 9935.0 | 9849.5 | 9606.5 | 9470.2 | 9551.2 | 9849.5 | 9935.0 | 9849.5 | 9606.5 | 9470.2 | 9551.2 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.5° | 9923.4 | 9812.2 | 9521.0 | *9368.0* | 9510.7 | 9809.0 | 9923.4 | 9812.2 | 9521.0 | 9368.0 | 9510.7 |
| 23° | 9883.6 | 9794.8 | 9467.0 | *9368.0* | 9450.9 | 9789.1 | 9883.6 | 9794.8 | 9467.0 | 9368.0 | 9450.9 |
| 23.5° | 9846.3 | 9710.6 | 9410.5 | *9256.2* | 9450.9 | 9715.8 | 9846.3 | 9710.6 | 9410.5 | 9256.2 | 9450.9 |
| 24° | 9834.7 | 9683.6 | 9410.5 | *9256.2* | 9342.3 | 9686.2 | 9834.7 | 9683.6 | 9410.5 | 9256.2 | 9342.3 |
| 24.5° | 9832.1 | 9683.6 | 9325.6 | *9121.8* | 9275.5 | 9670.8 | 9832.1 | 9683.6 | 9325.6 | 9121.8 | 9275.5 |
| 25° | 9770.4 | 9638.0 | 9325.6 | *9035.7* | 9236.2 | 9613.6 | 9770.4 | 9638.0 | 9325.6 | 9035.7 | 9236.2 |
| 25.5° | 9770.4 | 9598.2 | 9188.7 | *8979.8* | 9171.3 | 9582.1 | 9770.4 | 9598.2 | 9188.7 | 8979.8 | 9171.3 |
| 26° | 9715.8 | 9580.8 | 9138.5 | *8909.1* | 9132.8 | 9557.6 | 9715.8 | 9580.8 | 9138.5 | 8909.1 | 9132.8 |
| 26.5° | 9715.8 | 9540.3 | 9089.1 | *8827.4* | 9043.4 | 9530.6 | 9715.8 | 9540.3 | 9089.1 | 8827.4 | 9043.4 |
| 27° | 9673.3 | 9492.1 | 8952.8 | *8666.1* | 8972.7 | 9470.2 | 9673.3 | 9492.1 | 8952.8 | 8666.1 | 8972.7 |
| 27.5° | 9630.3 | 9461.2 | 8952.8 | *8666.1* | 8873.1 | 9442.6 | 9630.3 | 9461.2 | 8952.8 | 8666.1 | 8873.1 |
| 28° | 9596.2 | 9372.5 | 8805.6 | *8499.6* | 8873.1 | 9405.3 | 9596.2 | 9372.5 | 8805.6 | 8499.6 | 8873.1 |
| 28.5° | 9580.2 | 9372.5 | 8805.6 | *8499.6* | 8706.0 | 9360.3 | 9580.2 | 9372.5 | 8805.6 | 8499.6 | 8706.0 |
| 29° | 9576.3 | 9301.8 | 8671.2 | *8333.1* | 8706.0 | 9289.0 | 9576.3 | 9301.8 | 8671.2 | 8333.1 | 8706.0 |
| 29.5° | 9531.9 | 9251.0 | 8671.2 | *8333.1* | 8562.6 | 9224.7 | 9531.9 | 9251.0 | 8671.2 | 8333.1 | 8562.6 |
| 30° | 9494.0 | 9188.7 | 8488.7 | *8155.7* | 8464.9 | 9171.3 | 9494.0 | 9188.7 | 8488.7 | 8155.7 | 8464.9 |
| 30.5° | 9444.5 | 9156.5 | 8403.2 | *8054.8* | 8388.4 | 9127.0 | 9444.5 | 9156.5 | 8403.2 | 8054.8 | 8388.4 |
| 31° | 9444.5 | 9097.4 | 8326.7 | *7963.5* | 8273.4 | 9103.8 | 9444.5 | 9097.4 | 8326.7 | 7963.5 | 8273.4 |
| 31.5° | 9398.2 | 9037.6 | 8130.7 | *7771.3* | 8176.9 | 9038.9 | 9398.2 | 9037.6 | 8130.7 | 7771.3 | 8176.9 |
| 32° | 9350.0 | 8975.9 | 8130.7 | *7703.2* | 8083.1 | 8991.4 | 9350.0 | 8975.9 | 8130.7 | 7703.2 | 8083.1 |
| 32.5° | 9301.8 | 8936.7 | 7920.5 | *7608.1* | 8011.1 | 8936.7 | 9301.8 | 8936.7 | 7920.5 | 7608.1 | 8011.1 |
| 33° | 9268.4 | 8853.8 | 7920.5 | *7451.2* | 7780.3 | 8876.9 | 9268.4 | 8853.8 | 7920.5 | 7451.2 | 7780.3 |
| 33.5° | 9258.1 | 8732.3 | 7721.8 | *7363.2* | 7780.3 | 8781.8 | 9258.1 | 8732.3 | 7721.8 | 7363.2 | 7780.3 |
| 34° | 9206.0 | 8732.3 | 7721.8 | *7154.9* | 7592.6 | 8704.7 | 9206.0 | 8732.3 | 7721.8 | 7154.9 | 7592.6 |
| 34.5° | 9167.5 | 8576.1 | 7490.4 | *7054.0* | 7471.2 | 8633.3 | 9167.5 | 8576.1 | 7490.4 | 7054.0 | 7471.2 |
| 35° | 9137.3 | 8527.3 | 7380.5 | *6890.1* | 7365.1 | 8574.8 | 9137.3 | 8527.3 | 7380.5 | 6890.1 | 7365.1 |
| 35.5° | 9116.1 | 8422.5 | 7287.9 | *6661.9* | 7230.1 | 8514.4 | 9116.1 | 8422.5 | 7287.9 | 6661.9 | 7230.1 |
| 36° | 9033.1 | 8346.6 | 7140.8 | *6661.9* | 7117.6 | 8424.4 | 9033.1 | 8346.6 | 7140.8 | 6661.9 | 7117.6 |
| 36.5° | 9033.1 | 8228.4 | 7006.4 | *6497.3* | 7008.3 | 8351.1 | 9033.1 | 8228.4 | 7006.4 | 6497.3 | 7008.3 |
| 37° | 8943.8 | 8178.2 | 6750.6 | *6407.3* | 6885.6 | 8281.7 | 8943.8 | 8178.2 | 6750.6 | 6407.3 | 6885.6 |
| 37.5° | 8901.4 | 8034.9 | 6750.6 | *6305.1* | 6822.6 | 8197.5 | 8901.4 | 8034.9 | 6750.6 | 6305.1 | 6822.6 |
| 38° | 8882.1 | 7962.3 | 6521.1 | *6203.6* | 6682.5 | 8097.9 | 8882.1 | 7962.3 | 6521.1 | 6203.6 | 6682.5 |
| 38.5° | 8810.7 | 7819.5 | 6521.1 | *6109.1* | 6518.5 | 8003.4 | 8810.7 | 7819.5 | 6521.1 | 6109.1 | 6518.5 |
| 39° | 8761.2 | 7577.9 | 6285.8 | *5990.2* | 6518.5 | 7782.3 | 8761.2 | 7577.9 | 6285.8 | 5990.2 | 6518.5 |
| 39.5° | 8716.9 | 7508.4 | 6285.8 | *5927.2* | 6299.3 | 7679.4 | 8716.9 | 7508.4 | 6285.8 | 5927.2 | 6299.3 |
| 40° | 8697.0 | 7337.5 | 6116.8 | *5806.3* | 6218.4 | 7574.0 | 8697.0 | 7337.5 | 6116.8 | 5806.3 | 6218.4 |
| 40.5° | 8589.0 | 7238.5 | 6116.8 | *5734.3* | 6063.4 | 7439.0 | 8589.0 | 7238.5 | 6116.8 | 5734.3 | 6063.4 |
| 41° | 8589.0 | 7050.1 | 5889.9 | *5596.1* | 5982.4 | 7297.6 | 8589.0 | 7050.1 | 5889.9 | 5596.1 | 5982.4 |
| 41.5° | 8488.7 | 6965.9 | 5764.5 | *5596.1* | 5847.5 | 7165.8 | 8488.7 | 6965.9 | 5764.5 | 5596.1 | 5847.5 |
| 42° | 8488.7 | 6768.6 | 5679.7 | *5441.2* | 5630.8 | 7012.9 | 8488.7 | 6768.6 | 5679.7 | 5441.2 | 5630.8 |
| 42.5° | 8384.6 | 6656.7 | 5517.1 | *5364.1* | 5630.8 | 6852.2 | 8384.6 | 6656.7 | 5517.1 | 5364.1 | 5630.8 |
| 43° | 8299.7 | 6483.8 | 5517.1 | *5285.7* | 5457.9 | 6690.2 | 8299.7 | 6483.8 | 5517.1 | 5285.7 | 5457.9 |
| 43.5° | 8249.6 | 6204.2 | 5359.6 | *5182.2* | 5457.9 | 6525.6 | 8249.6 | 6204.2 | 5359.6 | 5182.2 | 5457.9 |
| 44° | 8179.5 | 6204.2 | 5359.6 | *5102.5* | 5269.0 | 6192.6 | 8179.5 | 6204.2 | 5359.6 | 5102.5 | 5269.0 |
| 44.5° | 8144.2 | 5949.0 | 5220.1 | *4990.0* | 5269.0 | 6023.6 | 8144.2 | 5949.0 | 5220.1 | 4990.0 | 5269.0 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 45° | 8054.2 | 5793.5 | 5220.1 | 4912.2 | 5111.5 | 5861.6 | 8054.2 | 5793.5 | 5220.1 | 4912.2 | 5111.5 |
| 45.5° | 8004.0 | 5675.2 | 5050.4 | 4772.1 | 5022.1 | 5669.4 | 8004.0 | 5675.2 | 5050.4 | 4772.1 | 5022.1 |
| 46° | 7858.7 | 5531.2 | 4984.8 | 4772.1 | 4959.1 | 5540.9 | 7858.7 | 5531.2 | 4984.8 | 4772.1 | 4959.1 |
| 46.5° | 7858.7 | 5427.1 | 4896.8 | 4654.4 | 4854.3 | 5364.7 | 7858.7 | 5427.1 | 4896.8 | 4654.4 | 4854.3 |
| 47° | 7724.4 | 5263.2 | 4728.4 | 4654.4 | 4779.8 | 5242.0 | 7724.4 | 5263.2 | 4728.4 | 4654.4 | 4779.8 |
| 47.5° | 7613.2 | 5180.3 | 4728.4 | 4557.4 | 4693.0 | 5083.8 | 7613.2 | 5180.3 | 4728.4 | 4557.4 | 4693.0 |
| 48° | 7538.6 | 5026.0 | 4570.9 | 4471.2 | 4633.2 | 4981.6 | 7538.6 | 5026.0 | 4570.9 | 4471.2 | 4633.2 |
| 48.5° | 7439.6 | 4942.4 | 4570.9 | 4403.8 | 4475.1 | 4839.6 | 7439.6 | 4942.4 | 4570.9 | 4403.8 | 4475.1 |
| 49° | 7398.5 | 4736.7 | 4441.7 | 4312.5 | 4475.1 | 4631.9 | 7398.5 | 4736.7 | 4441.7 | 4312.5 | 4475.1 |
| 49.5° | 7285.4 | 4736.7 | 4441.7 | 4211.6 | 4323.4 | 4538.1 | 7285.4 | 4736.7 | 4441.7 | 4211.6 | 4323.4 |
| 50° | 7213.4 | 4536.2 | 4275.9 | 4125.4 | 4243.7 | 4432.7 | 7213.4 | 4536.2 | 4275.9 | 4125.4 | 4243.7 |
| 50.5° | 7104.1 | 4428.8 | 4275.9 | 4038.0 | 4188.4 | 4359.4 | 7104.1 | 4428.8 | 4275.9 | 4038.0 | 4188.4 |
| 51° | 7035.3 | 4362.6 | 4106.8 | 3854.2 | 4098.4 | 4269.4 | 7035.3 | 4362.6 | 4106.8 | 3854.2 | 4098.4 |
| 51.5° | 6853.4 | 4245.6 | 4025.8 | 3854.2 | 4016.8 | 4195.5 | 6853.4 | 4245.6 | 4025.8 | 3854.2 | 4016.8 |
| 52° | 6853.4 | 4181.3 | 3942.2 | 3724.3 | 3847.1 | 4117.1 | 6853.4 | 4181.3 | 3942.2 | 3724.3 | 3847.1 |
| 52.5° | 6640.0 | 4090.7 | 3777.0 | 3707.6 | 3768.7 | 4045.7 | 6640.0 | 4090.7 | 3777.0 | 3707.6 | 3768.7 |
| 53° | 6527.5 | 4017.4 | 3777.0 | 3628.5 | 3768.7 | 3969.9 | 6527.5 | 4017.4 | 3777.0 | 3628.5 | 3768.7 |
| 53.5° | 6459.4 | 3870.9 | 3613.1 | 3599.0 | 3683.8 | 3899.2 | 6459.4 | 3870.9 | 3613.1 | 3599.0 | 3683.8 |
| 54° | 6328.3 | 3870.9 | 3613.1 | 3495.5 | 3530.2 | 3839.4 | 6328.3 | 3870.9 | 3613.1 | 3495.5 | 3530.2 |
| 54.5° | 6231.8 | 3721.1 | 3447.3 | 3437.0 | 3530.2 | 3701.8 | 6231.8 | 3721.1 | 3447.3 | 3437.0 | 3530.2 |
| 55° | 6099.4 | 3648.5 | 3447.3 | 3338.0 | 3374.0 | 3642.7 | 6099.4 | 3648.5 | 3447.3 | 3338.0 | 3374.0 |
| 55.5° | 6021.0 | 3588.7 | 3308.4 | 3242.9 | 3345.1 | 3514.8 | 6021.0 | 3588.7 | 3308.4 | 3242.9 | 3345.1 |
| 56° | 5803.7 | 3510.3 | 3308.4 | 3141.3 | 3269.9 | 3514.8 | 5803.7 | 3510.3 | 3308.4 | 3141.3 | 3269.9 |
| 56.5° | 5803.7 | 3454.4 | 3241.6 | 2980.0 | 3244.2 | 3458.2 | 5803.7 | 3454.4 | 3241.6 | 2980.0 | 3244.2 |
| 57° | 5565.9 | 3391.4 | 3181.8 | 2980.0 | 3214.6 | 3390.1 | 5565.9 | 3391.4 | 3181.8 | 2980.0 | 3214.6 |
| 57.5° | 5565.9 | 3320.7 | 3165.1 | 2805.8 | 3156.7 | 3330.9 | 5565.9 | 3320.7 | 3165.1 | 2805.8 | 3156.7 |
| 58° | 5344.8 | 3254.4 | 3021.1 | 2733.1 | 3130.4 | 3262.2 | 5344.8 | 3254.4 | 3021.1 | 2733.1 | 3130.4 |
| 58.5° | 5210.5 | 3192.7 | 3021.1 | 2643.8 | 2974.8 | 3206.9 | 5210.5 | 3192.7 | 3021.1 | 2643.8 | 2974.8 |
| 59° | 5103.1 | 3073.8 | 2843.7 | 2552.5 | 2974.8 | 3073.8 | 5103.1 | 3073.8 | 2843.7 | 2552.5 | 2974.8 |
| 59.5° | 4988.7 | 3073.8 | 2843.7 | 2469.6 | 2753.1 | 3008.9 | 4988.7 | 3073.8 | 2843.7 | 2469.6 | 2753.1 |
| 60° | 4896.1 | 2950.4 | 2645.1 | 2377.0 | 2753.1 | 2953.0 | 4896.1 | 2950.4 | 2645.1 | 2377.0 | 2753.1 |
| 60.5° | 4666.7 | 2882.3 | 2645.1 | 2278.7 | 2557.7 | 2882.9 | 4666.7 | 2882.3 | 2645.1 | 2278.7 | 2557.7 |
| 61° | 4666.7 | 2798.1 | 2459.3 | 2102.6 | 2476.7 | 2819.9 | 4666.7 | 2798.1 | 2459.3 | 2102.6 | 2476.7 |
| 61.5° | 4423.7 | 2740.9 | 2379.0 | 2102.6 | 2386.7 | 2752.4 | 4423.7 | 2740.9 | 2379.0 | 2102.6 | 2386.7 |
| 62° | 4423.7 | 2661.2 | 2294.1 | 1927.7 | 2301.2 | 2692.0 | 4423.7 | 2661.2 | 2294.1 | 1927.7 | 2301.2 |
| 62.5° | 4187.1 | 2596.9 | 2127.0 | 1927.7 | 2212.5 | 2627.7 | 4187.1 | 2596.9 | 2127.0 | 1927.7 | 2212.5 |
| 63° | 4068.9 | 2523.6 | 2127.0 | 1765.7 | 2141.1 | 2568.0 | 4068.9 | 2523.6 | 2127.0 | 1765.7 | 2141.1 |
| 63.5° | 3935.8 | 2461.3 | 2023.5 | 1690.6 | 2064.0 | 2504.3 | 3935.8 | 2461.3 | 2023.5 | 1690.6 | 2064.0 |
| 64° | 3832.3 | 2391.8 | 1936.1 | 1608.3 | 1879.5 | 2431.0 | 3832.3 | 2391.8 | 1936.1 | 1608.3 | 1879.5 |
| 64.5° | 3710.8 | 2292.2 | 1769.0 | 1541.4 | 1879.5 | 2304.4 | 3710.8 | 2292.2 | 1769.0 | 1541.4 | 1879.5 |
| 65° | 3602.8 | 2238.2 | 1769.0 | 1461.7 | 1697.6 | 2238.2 | 3602.8 | 2238.2 | 1769.0 | 1461.7 | 1697.6 |
| 65.5° | 3473.6 | 2178.4 | 1589.6 | 1396.8 | 1617.9 | 2155.9 | 3473.6 | 2178.4 | 1589.6 | 1396.8 | 1617.9 |
| 66° | 3366.3 | 2136.0 | 1589.6 | 1313.9 | 1526.0 | 2093.6 | 3366.3 | 2136.0 | 1589.6 | 1313.9 | 1526.0 |
| 66.5° | 3233.9 | 2093.6 | 1434.7 | 1132.6 | 1434.1 | 2023.5 | 3233.9 | 2093.6 | 1434.7 | 1132.6 | 1434.1 |
| 67° | 3007.6 | 2017.1 | 1358.2 | 1132.6 | 1341.5 | 1950.9 | 3007.6 | 2017.1 | 1358.2 | 1132.6 | 1341.5 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67.5° | 3007.6 | 1932.2 | 1276.6 | 964.2 | 1258.6 | 1882.1 | 3007.6 | 1932.2 | 1276.6 | 964.2 | 1258.6 |
| 68° | 2771.7 | 1867.9 | 1112.0 | 869.7 | 1187.9 | 1817.2 | 2771.7 | 1867.9 | 1112.0 | 869.7 | 1187.9 |
| 68.5° | 2676.6 | 1786.3 | 1112.0 | 832.4 | 1112.0 | 1760.6 | 2676.6 | 1786.3 | 1112.0 | 832.4 | 1112.0 |
| 69° | 2554.4 | 1627.5 | 955.2 | 743.7 | 1030.4 | 1701.5 | 2554.4 | 1627.5 | 955.2 | 743.7 | 1030.4 |
| 69.5° | 2466.4 | 1627.5 | 955.2 | 700.6 | 883.8 | 1643.0 | 2466.4 | 1627.5 | 955.2 | 700.6 | 883.8 |
| 70° | 2336.5 | 1474.6 | 802.2 | 629.9 | 883.8 | 1534.3 | 2336.5 | 1474.6 | 802.2 | 629.9 | 883.8 |
| 70.5° | 2251.0 | 1401.3 | 802.2 | 581.7 | 760.4 | 1476.5 | 2251.0 | 1401.3 | 802.2 | 581.7 | 760.4 |
| 71° | 2127.0 | 1336.4 | 642.1 | 521.9 | 760.4 | 1412.8 | 2127.0 | 1336.4 | 642.1 | 521.9 | 760.4 |
| 71.5° | 1925.8 | 1265.0 | 557.9 | 486.6 | 652.4 | 1342.8 | 1925.8 | 1265.0 | 557.9 | 486.6 | 652.4 |
| 72° | 1925.8 | 1209.7 | 505.2 | 422.3 | 620.9 | 1257.3 | 1925.8 | 1209.7 | 505.2 | 422.3 | 620.9 |
| 72.5° | 1731.7 | 1155.1 | 448.0 | 422.3 | 532.9 | 1197.5 | 1731.7 | 1155.1 | 448.0 | 422.3 | 532.9 |
| 73° | 1669.3 | 1099.2 | 415.2 | 374.1 | 499.4 | 1015.6 | 1669.3 | 1099.2 | 415.2 | 374.1 | 499.4 |
| 73.5° | 1563.9 | 1042.0 | 353.5 | 326.5 | 414.0 | 1015.6 | 1563.9 | 1042.0 | 353.5 | 326.5 | 414.0 |
| 74° | 1502.9 | 996.3 | 353.5 | 309.2 | 321.4 | 925.0 | 1502.9 | 996.3 | 353.5 | 309.2 | 321.4 |
| 74.5° | 1388.4 | 880.6 | 260.3 | 251.3 | 321.4 | 854.3 | 1388.4 | 880.6 | 260.3 | 251.3 | 321.4 |
| 75° | 1341.5 | 880.6 | 260.3 | 234.6 | 274.5 | 721.2 | 1341.5 | 880.6 | 260.3 | 234.6 | 274.5 |
| 75.5° | 1230.9 | 773.3 | 238.5 | 185.1 | 274.5 | 662.1 | 1230.9 | 773.3 | 238.5 | 185.1 | 274.5 |
| 76° | 1191.1 | 690.4 | 238.5 | 175.5 | 228.8 | 604.2 | 1191.1 | 690.4 | 238.5 | 175.5 | 228.8 |
| 76.5° | 1088.2 | 663.4 | 201.2 | 149.8 | 214.0 | 547.7 | 1088.2 | 663.4 | 201.2 | 149.8 | 214.0 |
| 77° | 949.4 | 572.1 | 185.8 | 149.8 | 190.9 | 493.0 | 949.4 | 572.1 | 185.8 | 149.8 | 190.9 |
| 77.5° | 949.4 | 557.3 | 169.0 | 129.8 | 177.4 | 442.2 | 949.4 | 557.3 | 169.0 | 129.8 | 177.4 |
| 78° | 831.1 | 480.8 | 133.0 | 129.8 | 154.3 | 387.0 | 831.1 | 480.8 | 133.0 | 129.8 | 154.3 |
| 78.5° | 812.5 | 464.7 | 133.0 | 109.3 | 146.6 | 345.8 | 812.5 | 464.7 | 133.0 | 109.3 | 146.6 |
| 79° | 713.5 | 399.2 | 100.3 | 94.5 | 131.8 | 298.3 | 713.5 | 399.2 | 100.3 | 94.5 | 131.8 |
| 79.5° | 699.4 | 386.3 | 100.3 | 89.3 | 109.3 | 250.7 | 699.4 | 386.3 | 100.3 | 89.3 | 109.3 |
| 80° | 610.7 | 318.8 | 80.3 | 73.3 | 109.3 | 183.8 | 610.7 | 318.8 | 80.3 | 73.3 | 109.3 |
| 80.5° | 601.0 | 263.5 | 80.3 | 68.8 | 82.9 | 163.9 | 601.0 | 263.5 | 80.3 | 68.8 | 82.9 |
| 81° | 518.1 | 255.2 | 70.7 | 60.4 | 78.4 | 145.3 | 518.1 | 255.2 | 70.7 | 60.4 | 78.4 |
| 81.5° | 428.1 | 201.2 | 70.7 | 57.9 | 65.6 | 127.9 | 428.1 | 201.2 | 70.7 | 57.9 | 65.6 |
| 82° | 428.1 | 194.1 | 57.9 | 48.9 | 62.3 | 113.1 | 428.1 | 194.1 | 57.9 | 48.9 | 62.3 |
| 82.5° | 351.0 | 144.0 | 51.4 | 48.9 | 55.9 | 101.6 | 351.0 | 144.0 | 51.4 | 48.9 | 55.9 |
| 83° | 351.0 | 138.8 | 45.0 | 39.9 | 52.1 | 86.8 | 351.0 | 138.8 | 45.0 | 39.9 | 52.1 |
| 83.5° | 279.0 | 104.1 | 36.6 | 33.4 | 45.6 | 74.6 | 279.0 | 104.1 | 36.6 | 33.4 | 45.6 |
| 84° | 274.5 | 99.6 | 36.6 | 32.8 | 39.2 | 62.3 | 274.5 | 99.6 | 36.6 | 32.8 | 39.2 |
| 84.5° | 217.9 | 77.8 | 30.2 | 28.3 | 31.5 | 54.0 | 217.9 | 77.8 | 30.2 | 28.3 | 31.5 |
| 85° | 217.9 | 77.8 | 30.2 | 27.7 | 23.8 | 45.6 | 217.9 | 77.8 | 30.2 | 27.7 | 23.8 |
| 85.5° | 168.4 | 57.9 | 17.3 | 23.8 | 23.8 | 31.5 | 168.4 | 57.9 | 17.3 | 23.8 | 23.8 |
| 86° | 168.4 | 46.3 | 17.3 | 21.9 | 20.6 | 25.7 | 168.4 | 46.3 | 17.3 | 21.9 | 20.6 |
| 86.5° | 125.4 | 46.3 | 10.3 | 19.3 | 18.7 | 19.3 | 125.4 | 46.3 | 10.3 | 19.3 | 18.7 |
| 87° | 93.2 | 34.7 | 9.7 | 17.3 | 12.9 | 13.5 | 93.2 | 34.7 | 9.7 | 17.3 | 12.9 |
| 87.5° | 93.2 | 25.7 | 9.0 | 10.3 | 11.6 | 9.0 | 93.2 | 25.7 | 9.0 | 10.3 | 11.6 |
| 88° | 68.1 | 25.7 | 7.7 | 10.3 | 6.4 | 7.7 | 68.1 | 25.7 | 7.7 | 10.3 | 6.4 |
| 88.5° | 68.1 | 25.7 | 6.4 | 6.4 | 6.4 | 5.1 | 68.1 | 25.7 | 6.4 | 6.4 | 6.4 |
| 89° | 49.5 | 18.7 | 3.2 | 5.8 | 5.1 | 3.2 | 49.5 | 18.7 | 3.2 | 5.8 | 5.1 |
| 89.5° | 49.5 | 18.7 | 3.2 | 5.8 | 3.9 | 2.6 | 49.5 | 18.7 | 3.2 | 5.8 | 3.9 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 90° | 25.7 | 7.1 | 2.6 | *2.6* | 1.9 | 1.9 | 25.7 | 7.1 | 2.6 | 2.6 | 1.9 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 0° | 10452.1 | 10452.1 |
| 0.5° | 10452.1 | 10452.1 |
| 1° | *10452.4* | *10422.2* |
| 1.5° | 10458.8 | 10422.2 |
| 2° | 10469.1 | 10444.1 |
| 2.5° | 10460.8 | 10444.1 |
| 3° | 10464.6 | 10419.0 |
| 3.5° | 10450.5 | 10419.0 |
| 4° | 10450.5 | 10430.6 |
| 4.5° | 10460.8 | 10444.7 |
| 5° | 10432.5 | 10424.1 |
| 5.5° | 10417.7 | 10404.2 |
| 6° | 10420.9 | 10406.1 |
| 6.5° | 10427.3 | 10399.7 |
| 7° | 10413.9 | 10399.7 |
| 7.5° | 10410.6 | 10366.9 |
| 8° | 10388.8 | 10366.9 |
| 8.5° | 10376.6 | 10376.6 |
| 9° | 10381.7 | 10376.6 |
| 9.5° | 10352.1 | 10337.3 |
| 10° | 10328.4 | 10337.3 |
| 10.5° | 10332.9 | 10330.3 |
| 11° | 10339.3 | 10330.3 |
| 11.5° | 10304.6 | 10302.6 |
| 12° | 10282.1 | 10275.0 |
| 12.5° | 10279.5 | 10258.3 |
| 13° | 10264.1 | 10254.4 |
| 13.5° | 10242.9 | 10264.1 |
| 14° | 10222.9 | 10235.1 |
| 14.5° | 10191.4 | 10215.2 |
| 15° | 10175.4 | 10219.1 |
| 15.5° | 10180.5 | 10219.1 |
| 16° | 10138.1 | 10181.2 |
| 16.5° | 10109.8 | 10153.5 |
| 17° | 10104.7 | 10130.4 |
| 17.5° | 10077.0 | 10114.9 |
| 18° | 10052.6 | 10116.2 |
| 18.5° | 10017.9 | 10084.1 |
| 19° | 9981.9 | 10065.5 |
| 19.5° | 9964.5 | 10055.8 |
| 20° | 9958.1 | 10048.1 |
| 20.5° | 9922.8 | 9991.5 |
| 21° | 9894.5 | 9991.5 |
| 21.5° | 9867.5 | 9954.9 |
| 22° | 9849.5 | 9935.0 |

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 22.5° | 9809.0 | 9923.4 |
| 23° | 9789.1 | 9883.6 |
| 23.5° | 9715.8 | 9846.3 |
| 24° | 9686.2 | 9834.7 |
| 24.5° | 9670.8 | 9832.1 |
| 25° | 9613.6 | 9770.4 |
| 25.5° | 9582.1 | 9770.4 |
| 26° | 9557.6 | 9715.8 |
| 26.5° | 9530.6 | 9715.8 |
| 27° | 9470.2 | 9673.3 |
| 27.5° | 9442.6 | 9630.3 |
| 28° | 9405.3 | 9596.2 |
| 28.5° | 9360.3 | 9580.2 |
| 29° | 9289.0 | 9576.3 |
| 29.5° | 9224.7 | 9531.9 |
| 30° | 9171.3 | 9494.0 |
| 30.5° | 9127.0 | 9444.5 |
| 31° | 9103.8 | 9444.5 |
| 31.5° | 9038.9 | 9398.2 |
| 32° | 8991.4 | 9350.0 |
| 32.5° | 8936.7 | 9301.8 |
| 33° | 8876.9 | 9268.4 |
| 33.5° | 8781.8 | 9258.1 |
| 34° | 8704.7 | 9206.0 |
| 34.5° | 8633.3 | 9167.5 |
| 35° | 8574.8 | 9137.3 |
| 35.5° | 8514.4 | 9116.1 |
| 36° | 8424.4 | 9033.1 |
| 36.5° | 8351.1 | 9033.1 |
| 37° | 8281.7 | 8943.8 |
| 37.5° | 8197.5 | 8901.4 |
| 38° | 8097.9 | 8882.1 |
| 38.5° | 8003.4 | 8810.7 |
| 39° | 7782.3 | 8761.2 |
| 39.5° | 7679.4 | 8716.9 |
| 40° | 7574.0 | 8697.0 |
| 40.5° | 7439.0 | 8589.0 |
| 41° | 7297.6 | 8589.0 |
| 41.5° | 7165.8 | 8488.7 |
| 42° | 7012.9 | 8488.7 |
| 42.5° | 6852.2 | 8384.6 |
| 43° | 6690.2 | 8299.7 |
| 43.5° | 6525.6 | 8249.6 |
| 44° | 6192.6 | 8179.5 |
| 44.5° | 6023.6 | 8144.2 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 45° | 5861.6 | 8054.2 |
| 45.5° | 5669.4 | 8004.0 |
| 46° | 5540.9 | 7858.7 |
| 46.5° | 5364.7 | 7858.7 |
| 47° | 5242.0 | 7724.4 |
| 47.5° | 5083.8 | 7613.2 |
| 48° | 4981.6 | 7538.6 |
| 48.5° | 4839.6 | 7439.6 |
| 49° | 4631.9 | 7398.5 |
| 49.5° | 4538.1 | 7285.4 |
| 50° | 4432.7 | 7213.4 |
| 50.5° | 4359.4 | 7104.1 |
| 51° | 4269.4 | 7035.3 |
| 51.5° | 4195.5 | 6853.4 |
| 52° | 4117.1 | 6853.4 |
| 52.5° | 4045.7 | 6640.0 |
| 53° | 3969.9 | 6527.5 |
| 53.5° | 3899.2 | 6459.4 |
| 54° | 3839.4 | 6328.3 |
| 54.5° | 3701.8 | 6231.8 |
| 55° | 3642.7 | 6099.4 |
| 55.5° | 3514.8 | 6021.0 |
| 56° | 3514.8 | 5803.7 |
| 56.5° | 3458.2 | 5803.7 |
| 57° | 3390.1 | 5565.9 |
| 57.5° | 3330.9 | 5565.9 |
| 58° | 3262.2 | 5344.8 |
| 58.5° | 3206.9 | 5210.5 |
| 59° | 3073.8 | 5103.1 |
| 59.5° | 3008.9 | 4988.7 |
| 60° | 2953.0 | 4896.1 |
| 60.5° | 2882.9 | 4666.7 |
| 61° | 2819.9 | 4666.7 |
| 61.5° | 2752.4 | 4423.7 |
| 62° | 2692.0 | 4423.7 |
| 62.5° | 2627.7 | 4187.1 |
| 63° | 2568.0 | 4068.9 |
| 63.5° | 2504.3 | 3935.8 |
| 64° | 2431.0 | 3832.3 |
| 64.5° | 2304.4 | 3710.8 |
| 65° | 2238.2 | 3602.8 |
| 65.5° | 2155.9 | 3473.6 |
| 66° | 2093.6 | 3366.3 |
| 66.5° | 2023.5 | 3233.9 |
| 67° | 1950.9 | 3007.6 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 67.5° | 1882.1 | 3007.6 |
| 68° | 1817.2 | 2771.7 |
| 68.5° | 1760.6 | 2676.6 |
| 69° | 1701.5 | 2554.4 |
| 69.5° | 1643.0 | 2466.4 |
| 70° | 1534.3 | 2336.5 |
| 70.5° | 1476.5 | 2251.0 |
| 71° | 1412.8 | 2127.0 |
| 71.5° | 1342.8 | 1925.8 |
| 72° | 1257.3 | 1925.8 |
| 72.5° | 1197.5 | 1731.7 |
| 73° | 1015.6 | 1669.3 |
| 73.5° | 1015.6 | 1563.9 |
| 74° | 925.0 | 1502.9 |
| 74.5° | 854.3 | 1388.4 |
| 75° | 721.2 | 1341.5 |
| 75.5° | 662.1 | 1230.9 |
| 76° | 604.2 | 1191.1 |
| 76.5° | 547.7 | 1088.2 |
| 77° | 493.0 | 949.4 |
| 77.5° | 442.2 | 949.4 |
| 78° | 387.0 | 831.1 |
| 78.5° | 345.8 | 812.5 |
| 79° | 298.3 | 713.5 |
| 79.5° | 250.7 | 699.4 |
| 80° | 183.8 | 610.7 |
| 80.5° | 163.9 | 601.0 |
| 81° | 145.3 | 518.1 |
| 81.5° | 127.9 | 428.1 |
| 82° | 113.1 | 428.1 |
| 82.5° | 101.6 | 351.0 |
| 83° | 86.8 | 351.0 |
| 83.5° | 74.6 | 279.0 |
| 84° | 62.3 | 274.5 |
| 84.5° | 54.0 | 217.9 |
| 85° | 45.6 | 217.9 |
| 85.5° | 31.5 | 168.4 |
| 86° | 25.7 | 168.4 |
| 86.5° | 19.3 | 125.4 |
| 87° | 13.5 | 93.2 |
| 87.5° | 9.0 | 93.2 |
| 88° | 7.7 | 68.1 |
| 88.5° | 5.1 | 68.1 |
| 89° | 3.2 | 49.5 |
| 89.5° | 2.6 | 49.5 |

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**CANDELA DISTRIBUTION (continued):**

| | 330° | 360° |
|---|---|---|
| 90° | 1.9 | 25.7 |

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

Scaled Data Report

TEST NUMBER: P1594549
CATALOG NUMBER: FLXB-1224-M-HI-3500K

**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 | 27.1 | 28.6 | 27.5 | 28.9 | 29.3 | 24.9 | 26.4 | 25.2 | 26.7 | 27.0 |
| | 3H | 28.6 | 30.0 | 29.0 | 30.3 | 30.7 | 25.3 | 26.7 | 25.7 | 27.0 | 27.4 |
| | 4H | 29.0 | 30.3 | 29.4 | 30.6 | 31.0 | 25.3 | 26.6 | 25.7 | 26.9 | 27.3 |
| | 6H | 29.2 | 30.4 | 29.6 | 30.7 | 31.1 | 25.3 | 26.4 | 25.7 | 26.8 | 27.2 |
| | 8H | 29.2 | 30.3 | 29.7 | 30.7 | 31.1 | 25.2 | 26.3 | 25.7 | 26.7 | 27.1 |
| | 12H | 29.3 | 30.3 | 29.7 | 30.7 | 31.1 | 25.2 | 26.3 | 25.6 | 26.6 | 27.1 |
| 4H | 2H | 27.3 | 28.6 | 27.7 | 28.9 | 29.3 | 25.4 | 26.6 | 25.8 | 27.0 | 27.3 |
| | 3H | 28.9 | 30.0 | 29.3 | 30.4 | 30.8 | 25.9 | 26.9 | 26.3 | 27.3 | 27.7 |
| | 4H | 29.4 | 30.3 | 29.8 | 30.7 | 31.2 | 25.9 | 26.8 | 26.3 | 27.2 | 27.7 |
| | 6H | 29.6 | 30.4 | 30.1 | 30.9 | 31.3 | 25.9 | 26.7 | 26.3 | 27.1 | 27.6 |
| | 8H | 29.7 | 30.4 | 30.1 | 30.8 | 31.3 | 25.8 | 26.6 | 26.3 | 27.0 | 27.5 |
| | 12H | 29.7 | 30.3 | 30.2 | 30.8 | 31.3 | 25.8 | 26.4 | 26.3 | 26.9 | 27.4 |
| 8H | 4H | 29.3 | 30.1 | 29.8 | 30.5 | 31.0 | 26.0 | 26.7 | 26.5 | 27.2 | 27.7 |
| | 6H | 29.6 | 30.2 | 30.1 | 30.7 | 31.2 | 26.0 | 26.6 | 26.4 | 27.1 | 27.5 |
| | 8H | 29.6 | 30.2 | 30.1 | 30.7 | 31.2 | 25.9 | 26.5 | 26.4 | 27.0 | 27.5 |
| | 12H | 29.7 | 30.1 | 30.2 | 30.6 | 31.2 | 25.9 | 26.4 | 26.4 | 26.9 | 27.4 |
| 12H | 4H | 29.3 | 30.0 | 29.8 | 30.4 | 30.9 | 26.0 | 26.6 | 26.5 | 27.1 | 27.6 |
| | 6H | 29.5 | 30.1 | 30.1 | 30.6 | 31.1 | 25.9 | 26.5 | 26.5 | 26.9 | 27.5 |
| | 8H | 29.6 | 30.1 | 30.1 | 30.6 | 31.1 | 25.9 | 26.4 | 26.4 | 26.9 | 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: SP3-2602-684-2

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3500K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

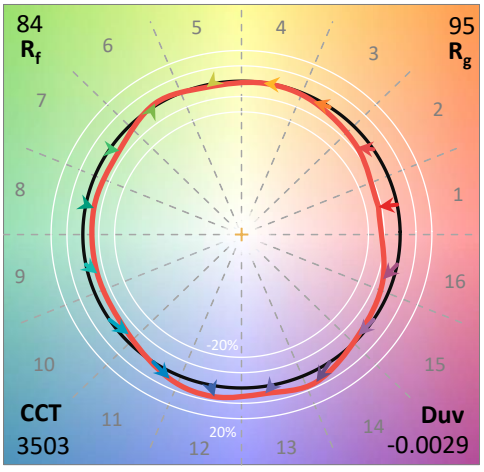
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP3-2602-684-2 |
| 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-3500K** |
| Description: | LDS HLBX 2436 W beam, HI lumen, 3500K CCT settings |

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 3503 | CRI (Ra): | 83.9 | | |
| CIE u': | 0.2370 | R1: | 83.4 | R9: | 12.0 |
| CIE v': | 0.5073 | R2: | 92.6 | R10: | 81.6 |
| Duv: | -0.0029 | R3: | 95.6 | R11: | 80.4 |
| CIE x: | 0.4021 | R4: | 81.3 | R12: | 66.4 |
| CIE y: | 0.3825 | R5: | 83.2 | R13: | 86.1 |
| CIE z: | 0.2155 | R6: | 89.3 | R14: | 98.5 |
| Peak Wavelength (nm): | 599 | R7: | 83.4 | R15: | 77.2 |
| Dominant Wavelength (nm): | 582 | R8: | 62.5 | | |
| Purity: | 35.45926 | | | | |

| | |
|---|---|
| Rf: | 83.9 |
| Rg: | 95.1 |




## Test Conditions

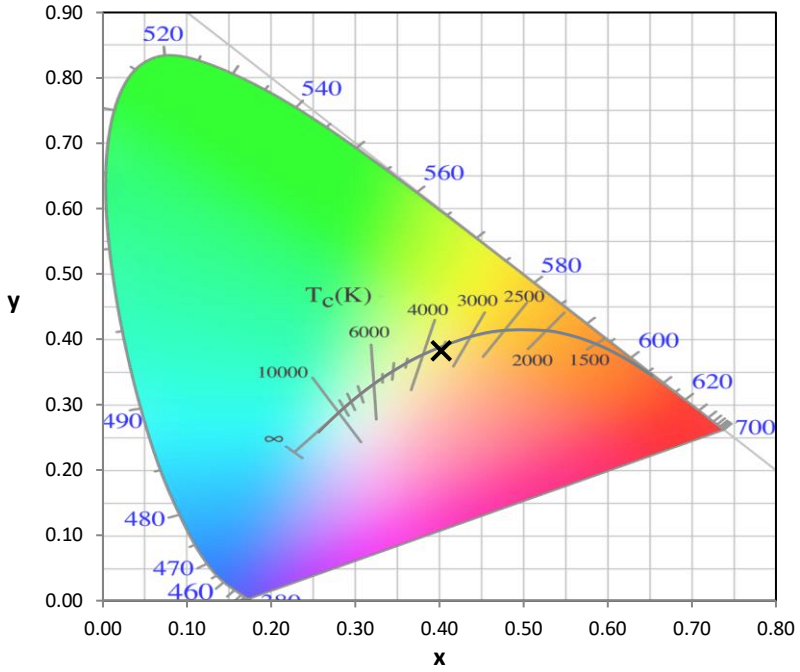
| | |
|---|---|
| Stabilization Time: | 20M |
| Operation Time: | 1H 20M |
| Sphere Temperature (°C): | 25.0 |

REPORT NUMBER: SP3-2602-684-2

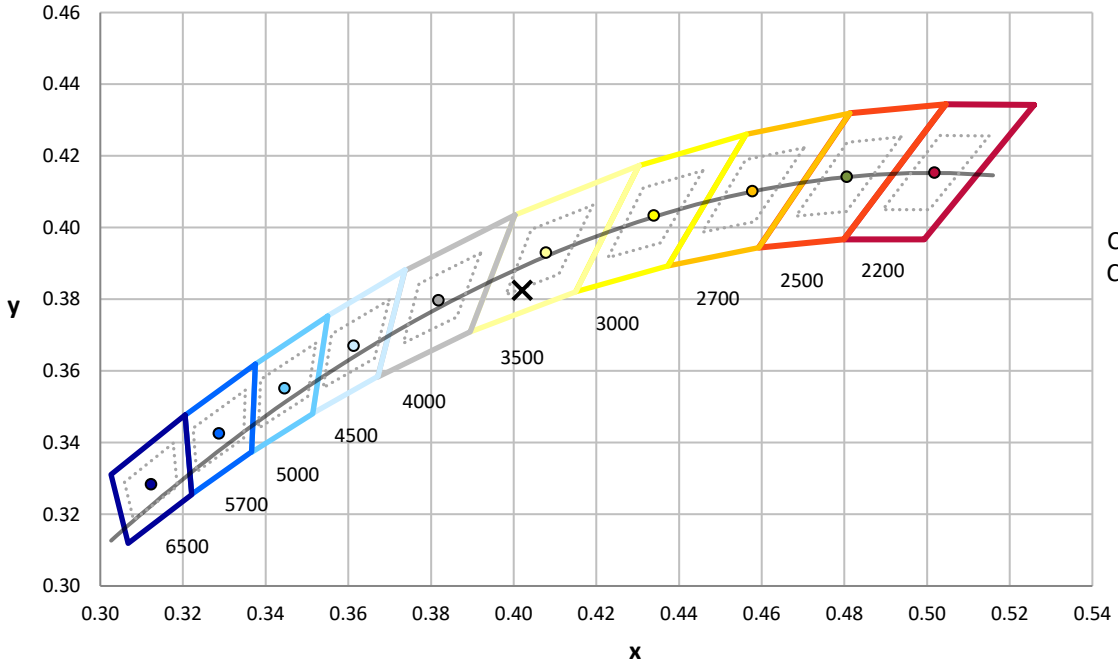
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | 3M SPHERE IN02505 | 1/10/2026 | 7/10/2026 |
| Power Meter | XITRON INXT2011006 | 10/21/2025 | 10/21/2026 |
| AC Power Source | CHROMA 61604 IN6064A | 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: SP3-2602-684-2

## CIE 1931 Chromaticity Diagram




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

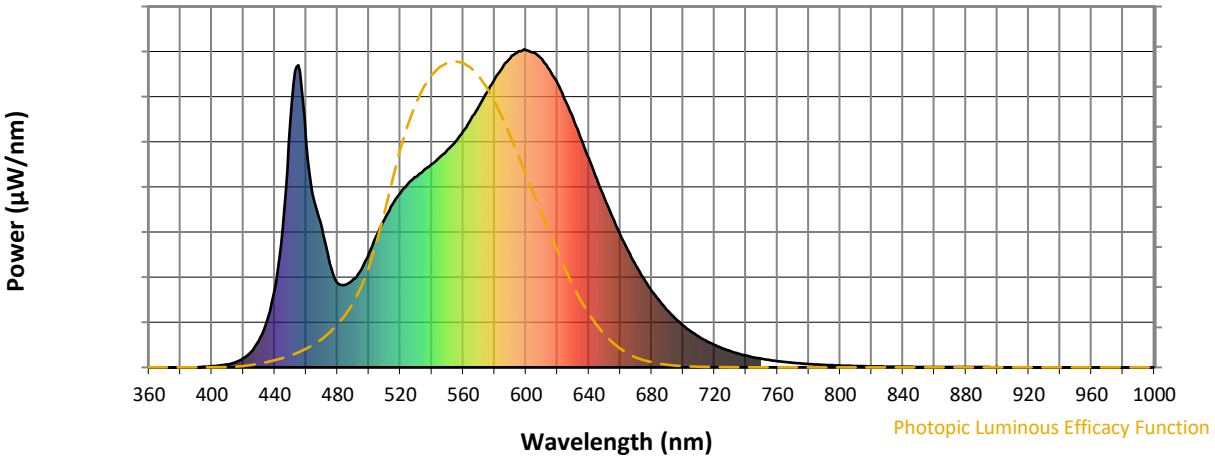



CCT = 3503K
CIE x = 0.4021
CIE y = 0.3825
Duv = -0.0029

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-2

## Photopic Flux vs. Wavelength

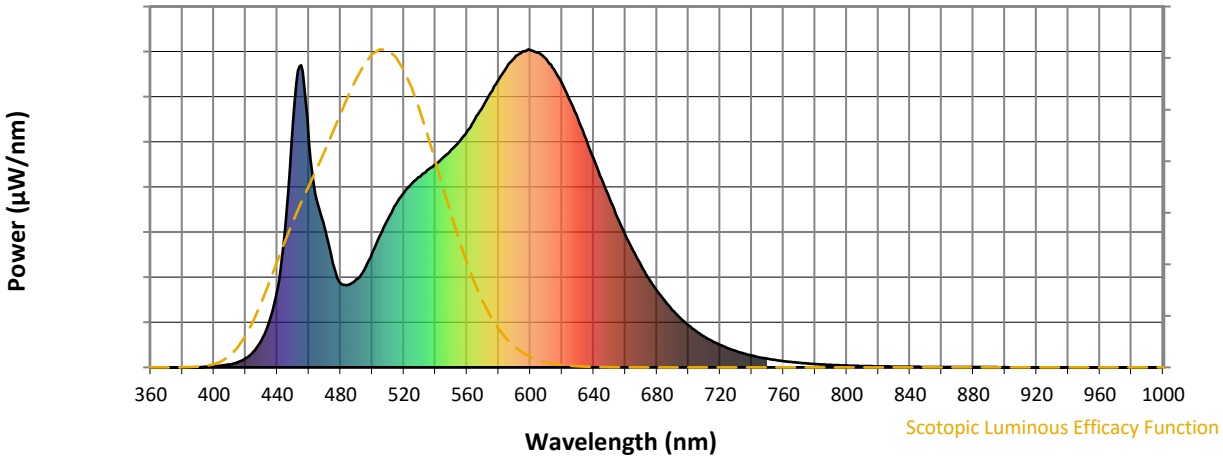



## Photopic Lumens: NR

| 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 | 277 | NR | 620 | 894 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 306 | NR | 625 | 839 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 359 | NR | 630 | 783 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 416 | NR | 635 | 720 | NR | 765 | 17 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 467 | NR | 640 | 657 | NR | 770 | 14 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 513 | NR | 645 | 593 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 549 | NR | 650 | 531 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 577 | NR | 655 | 472 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 599 | NR | 660 | 417 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 621 | NR | 665 | 367 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 9 | NR | 540 | 639 | NR | 670 | 320 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 16 | NR | 545 | 661 | NR | 675 | 279 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 29 | NR | 550 | 684 | NR | 680 | 241 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 50 | NR | 555 | 710 | NR | 685 | 210 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 84 | NR | 560 | 742 | NR | 690 | 180 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 146 | NR | 565 | 782 | NR | 695 | 154 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 245 | NR | 570 | 820 | NR | 700 | 132 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 435 | NR | 575 | 864 | NR | 705 | 113 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 775 | NR | 580 | 906 | NR | 710 | 96 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 950 | NR | 585 | 943 | NR | 715 | 82 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 714 | NR | 590 | 973 | NR | 720 | 71 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 526 | NR | 595 | 993 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 438 | NR | 600 | 997 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 328 | NR | 605 | 990 | NR | 735 | 44 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 265 | NR | 610 | 970 | NR | 740 | 37 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 260 | NR | 615 | 936 | NR | 745 | 32 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP3-2602-684-2

## Scotopic Flux vs. Wavelength

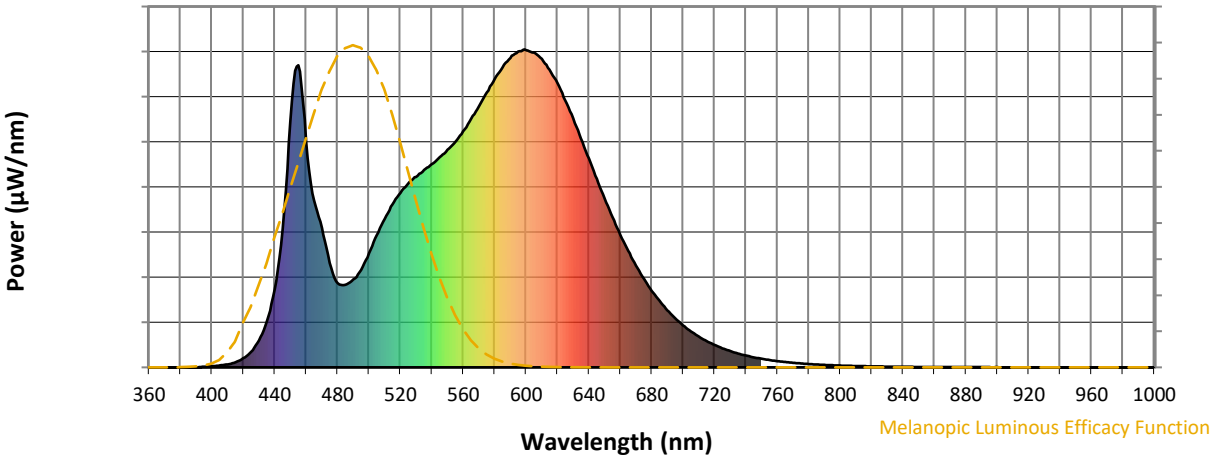



**Scotopic Lumens: NR** **S/P: 1.56**

| 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 | 277 | NR | 620 | 894 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 306 | NR | 625 | 839 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 359 | NR | 630 | 783 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 416 | NR | 635 | 720 | NR | 765 | 17 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 467 | NR | 640 | 657 | NR | 770 | 14 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 513 | NR | 645 | 593 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 549 | NR | 650 | 531 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 577 | NR | 655 | 472 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 599 | NR | 660 | 417 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 621 | NR | 665 | 367 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 9 | NR | 540 | 639 | NR | 670 | 320 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 16 | NR | 545 | 661 | NR | 675 | 279 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 29 | NR | 550 | 684 | NR | 680 | 241 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 50 | NR | 555 | 710 | NR | 685 | 210 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 84 | NR | 560 | 742 | NR | 690 | 180 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 146 | NR | 565 | 782 | NR | 695 | 154 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 245 | NR | 570 | 820 | NR | 700 | 132 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 435 | NR | 575 | 864 | NR | 705 | 113 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 775 | NR | 580 | 906 | NR | 710 | 96 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 950 | NR | 585 | 943 | NR | 715 | 82 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 714 | NR | 590 | 973 | NR | 720 | 71 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 526 | NR | 595 | 993 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 438 | NR | 600 | 997 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 328 | NR | 605 | 990 | NR | 735 | 44 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 265 | NR | 610 | 970 | NR | 740 | 37 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 260 | NR | 615 | 936 | NR | 745 | 32 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP3-2602-684-2

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.19**

| 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 | 277 | NR | 620 | 894 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 306 | NR | 625 | 839 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 359 | NR | 630 | 783 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 416 | NR | 635 | 720 | NR | 765 | 17 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 467 | NR | 640 | 657 | NR | 770 | 14 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 513 | NR | 645 | 593 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 549 | NR | 650 | 531 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 577 | NR | 655 | 472 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 599 | NR | 660 | 417 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 621 | NR | 665 | 367 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 9 | NR | 540 | 639 | NR | 670 | 320 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 16 | NR | 545 | 661 | NR | 675 | 279 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 29 | NR | 550 | 684 | NR | 680 | 241 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 50 | NR | 555 | 710 | NR | 685 | 210 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 84 | NR | 560 | 742 | NR | 690 | 180 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 146 | NR | 565 | 782 | NR | 695 | 154 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 245 | NR | 570 | 820 | NR | 700 | 132 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 435 | NR | 575 | 864 | NR | 705 | 113 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 775 | NR | 580 | 906 | NR | 710 | 96 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 950 | NR | 585 | 943 | NR | 715 | 82 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 714 | NR | 590 | 973 | NR | 720 | 71 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 526 | NR | 595 | 993 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 438 | NR | 600 | 997 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 328 | NR | 605 | 990 | NR | 735 | 44 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 265 | NR | 610 | 970 | NR | 740 | 37 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 260 | NR | 615 | 936 | NR | 745 | 32 | NR | 875 | 1 | NR | | | |

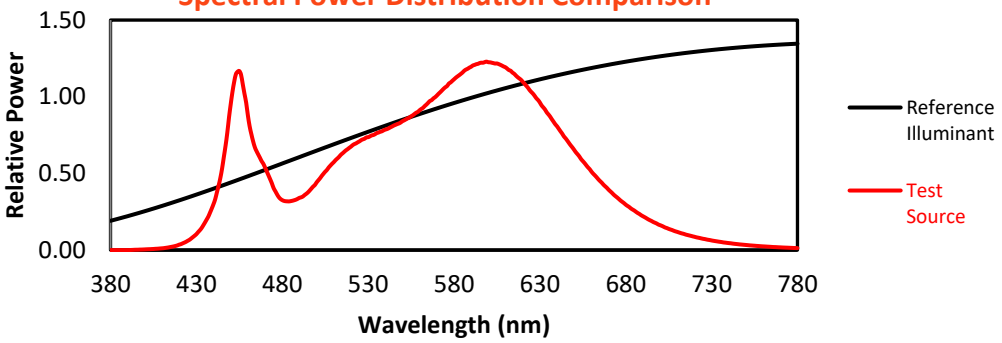
REPORT NUMBER: SP3-2602-684-2

# TM-30-18

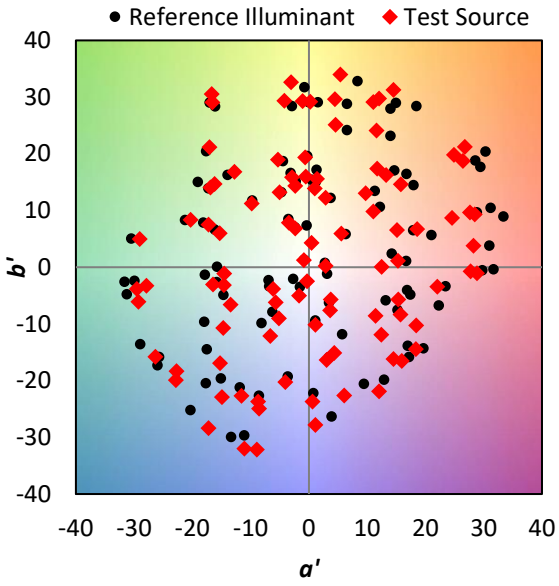
## Summary

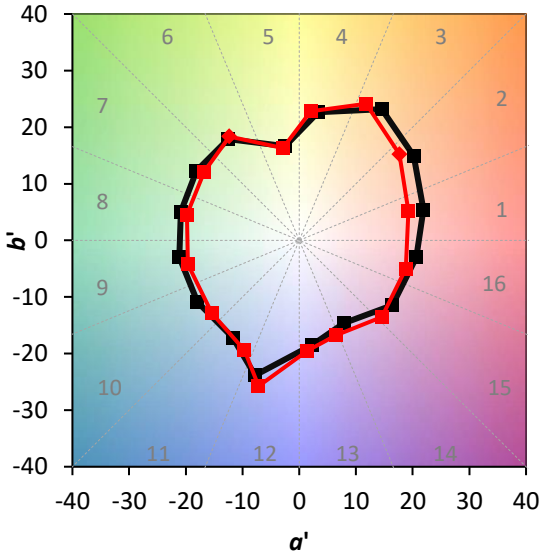
$R_f$ = 83.9
$R_g$ = 95.1
CIE $R_a$ = 83.9
$R_9$ = 12.0

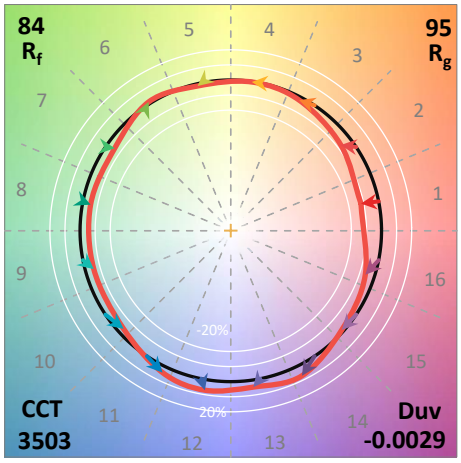
## Spectral Power Distribution Comparison

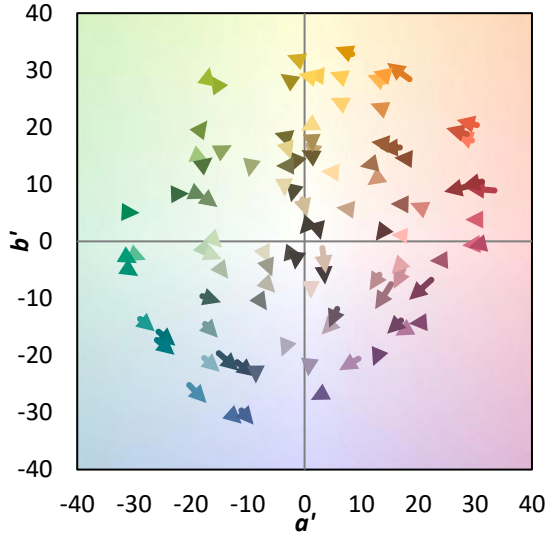



## Color Vector Graphics



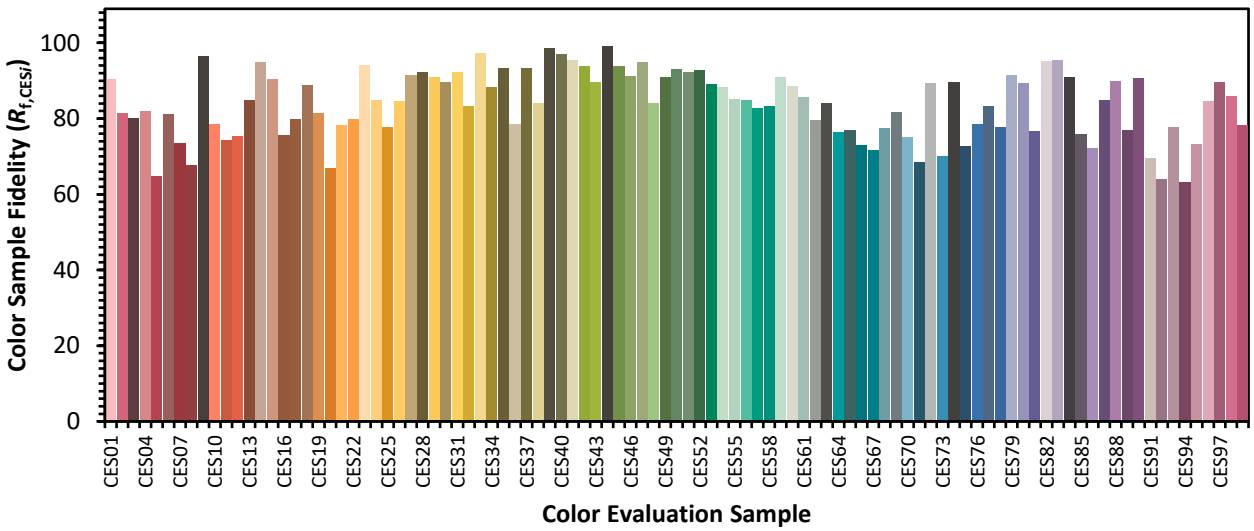



REPORT NUMBER: SP3-2602-684-2

# TM-30-18

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

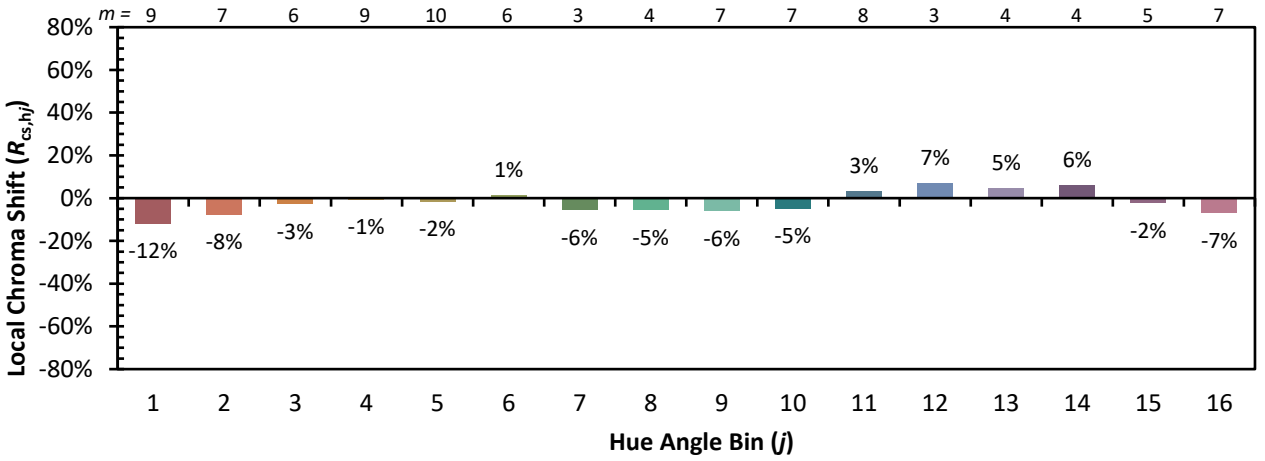
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 84 | CES51 = 92 | CES76 = 78 |
| CES02 = 62 | CES27 = 92 | CES52 = 93 | CES77 = 83 |
| CES03 = 31 | CES28 = 92 | CES53 = 89 | CES78 = 78 |
| CES04 = 70 | CES29 = 91 | CES54 = 88 | CES79 = 91 |
| CES05 = 49 | CES30 = 90 | CES55 = 85 | CES80 = 89 |
| CES06 = 51 | CES31 = 92 | CES56 = 85 | CES81 = 77 |
| CES07 = 41 | CES32 = 83 | CES57 = 83 | CES82 = 95 |
| CES08 = 40 | CES33 = 97 | CES58 = 83 | CES83 = 95 |
| CES09 = 29 | CES34 = 88 | CES59 = 91 | CES84 = 91 |
| CES10 = 75 | CES35 = 93 | CES60 = 89 | CES85 = 76 |
| CES11 = 58 | CES36 = 79 | CES61 = 86 | CES86 = 72 |
| CES12 = 64 | CES37 = 93 | CES62 = 80 | CES87 = 85 |
| CES13 = 43 | CES38 = 84 | CES63 = 84 | CES88 = 90 |
| CES14 = 74 | CES39 = 98 | CES64 = 76 | CES89 = 77 |
| CES15 = 71 | CES40 = 97 | CES65 = 77 | CES90 = 91 |
| CES16 = 47 | CES41 = 95 | CES66 = 73 | CES91 = 70 |
| CES17 = 50 | CES42 = 94 | CES67 = 72 | CES92 = 64 |
| CES18 = 56 | CES43 = 90 | CES68 = 77 | CES93 = 78 |
| CES19 = 72 | CES44 = 99 | CES69 = 82 | CES94 = 63 |
| CES20 = 66 | CES45 = 94 | CES70 = 75 | CES95 = 73 |
| CES21 = 86 | CES46 = 91 | CES71 = 68 | CES96 = 85 |
| CES22 = 78 | CES47 = 95 | CES72 = 89 | CES97 = 90 |
| CES23 = 92 | CES48 = 84 | CES73 = 70 | CES98 = 86 |
| CES24 = 91 | CES49 = 91 | CES74 = 90 | CES99 = 78 |
| CES25 = 72 | CES50 = 93 | CES75 = 73 | |

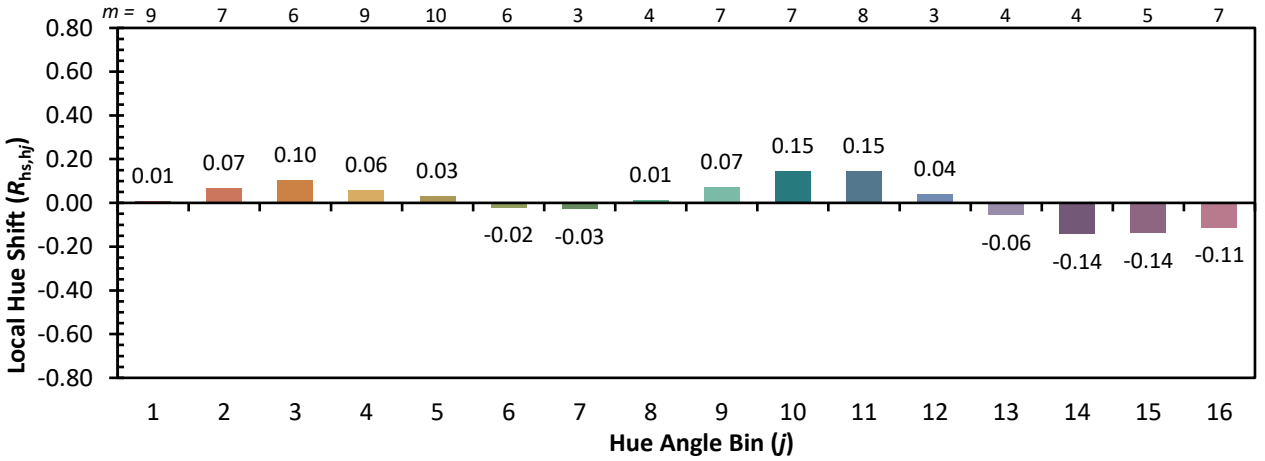


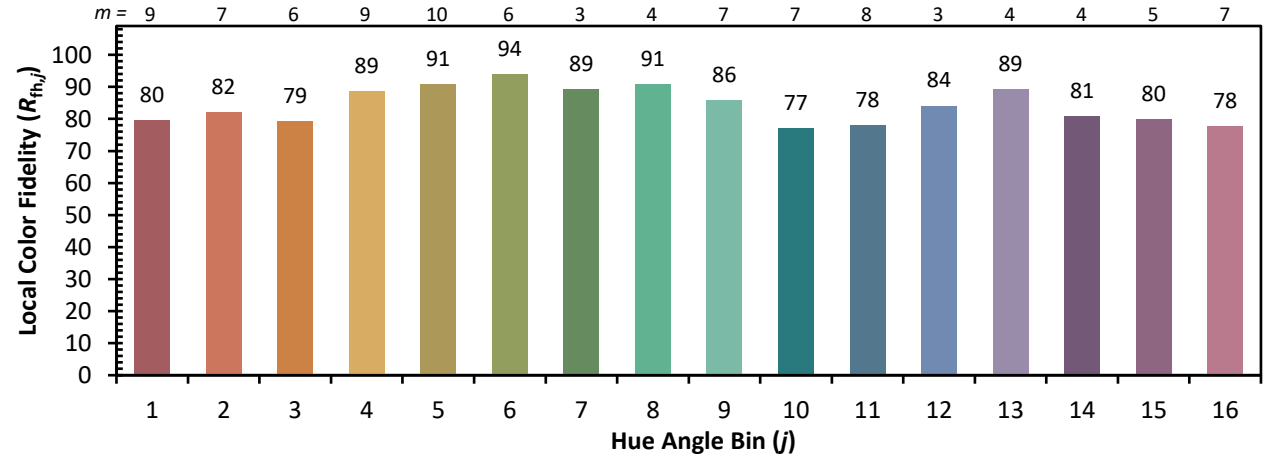
REPORT NUMBER: SP3-2602-684-2

**TM-30-18**

## Color Rendition by Hue-Angle Bin



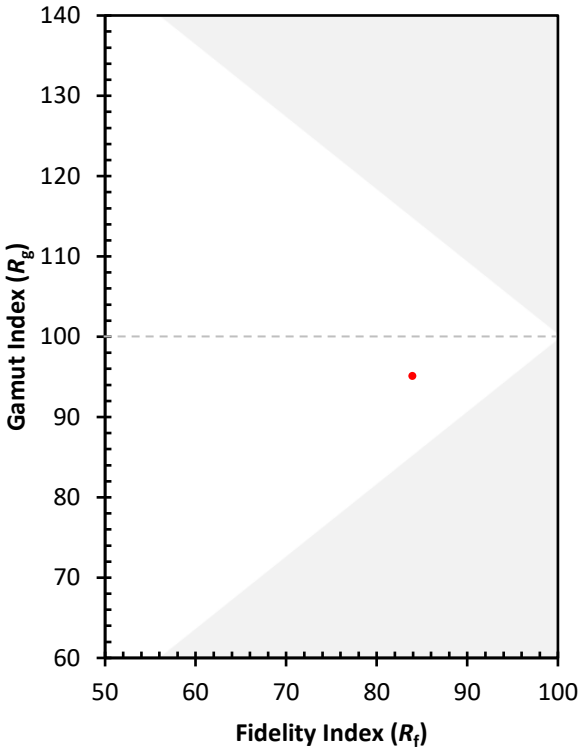



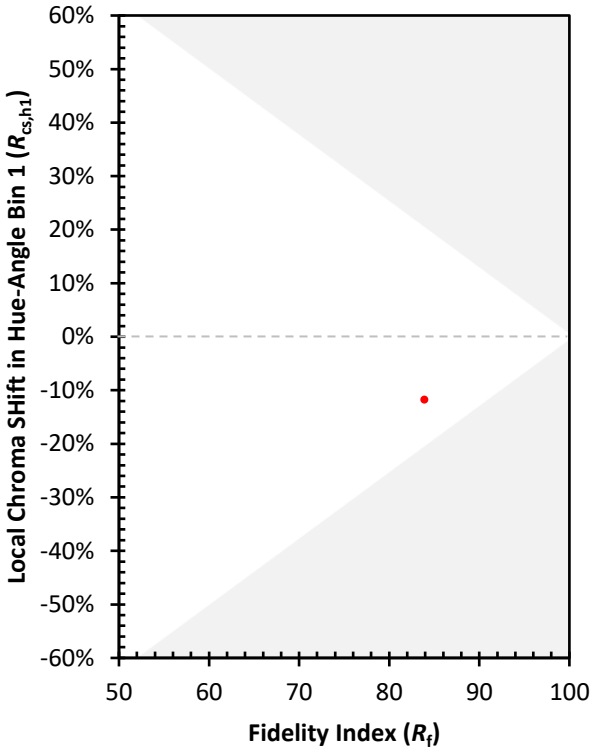



REPORT NUMBER: SP3-2602-684-2

# TM-30-18

## Measure Comparisons




(END OF REPORT)