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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P1045945

Luminaire Tested: **FFX-CLB-40-740-U-FG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1045945 |
| Test Lab: | INNOVATION CENTER(G3) |
| Issue Date: | 07/01/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | FFX-CLB-40-740-U-FG-T5-HSS |
| Description: | FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD |
| Light Source: | (6) 4000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 4703.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 119.4 lumens/watt |
| Luminous Opening: | Vertical Cylinder (Dia: 1.33' x H: 2.08') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U5 - G3 |

| | |
|---|---|
| Input Watts (W): | 39.4 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.99 |
| Total Harmonic Distortion (THDi): | 8.2% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

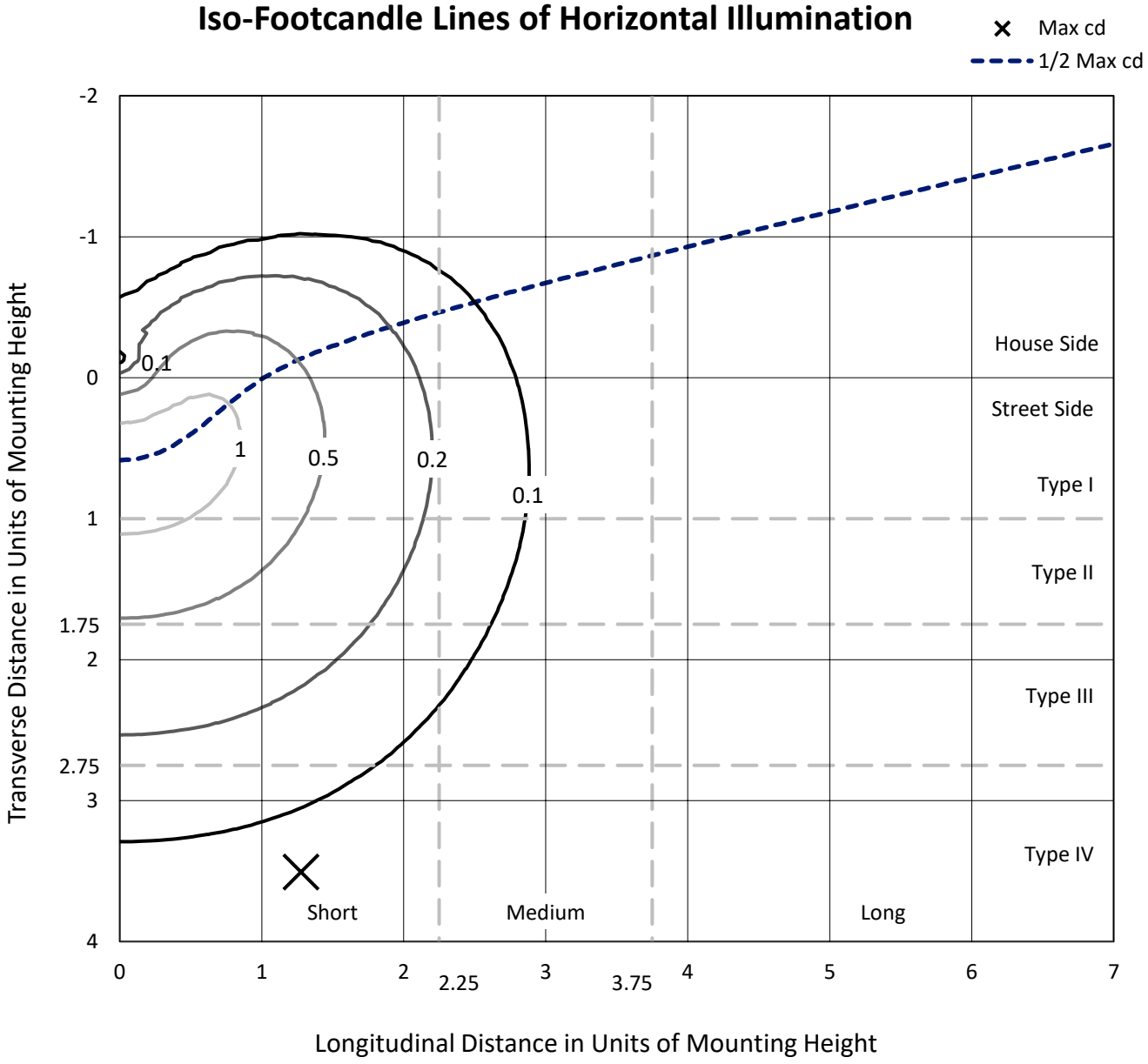


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

## Iso-Footcandle Lines of Horizontal Illumination



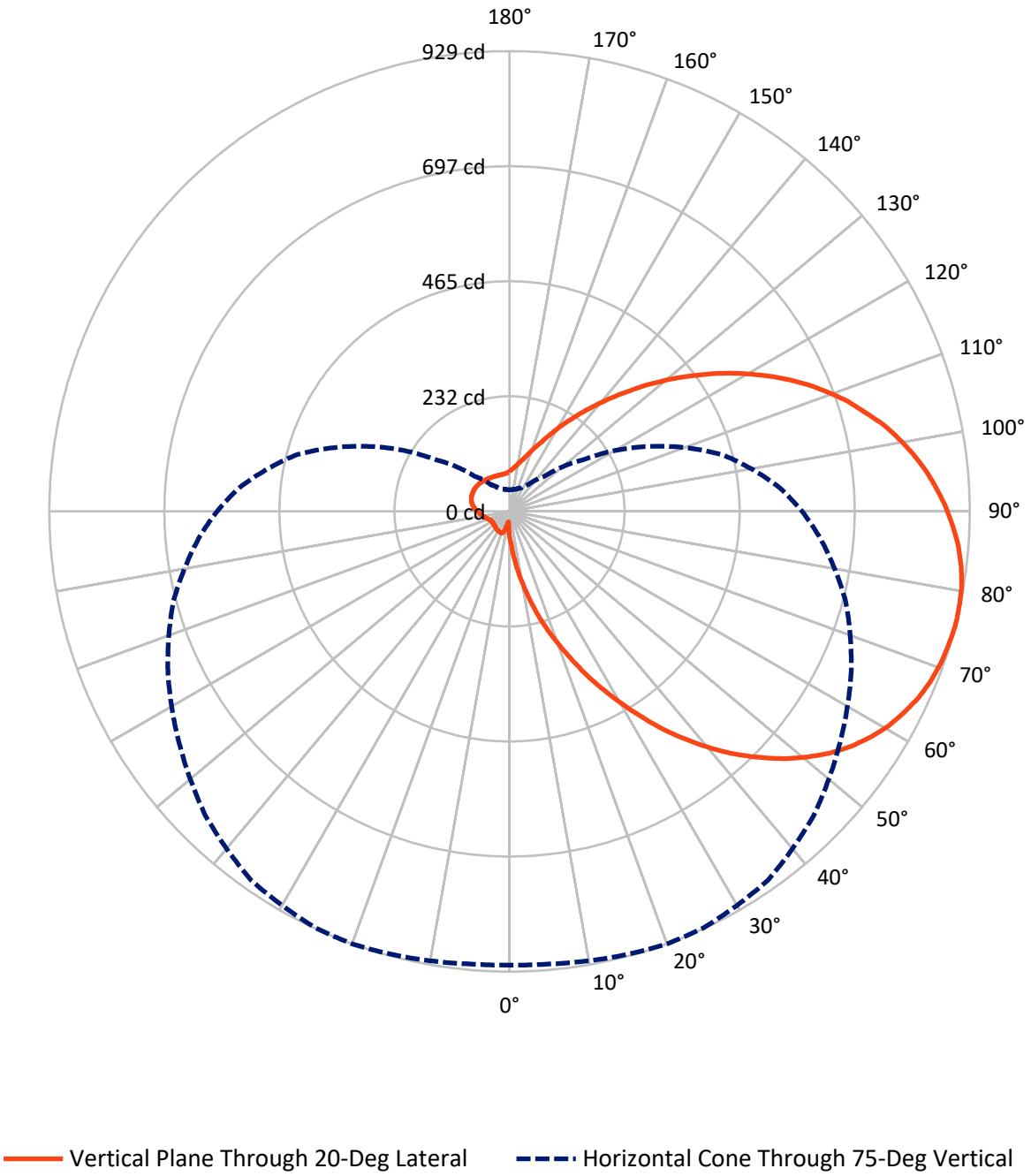

Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

## Luminous Intensity Polar Plot



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

Scaled Data Report

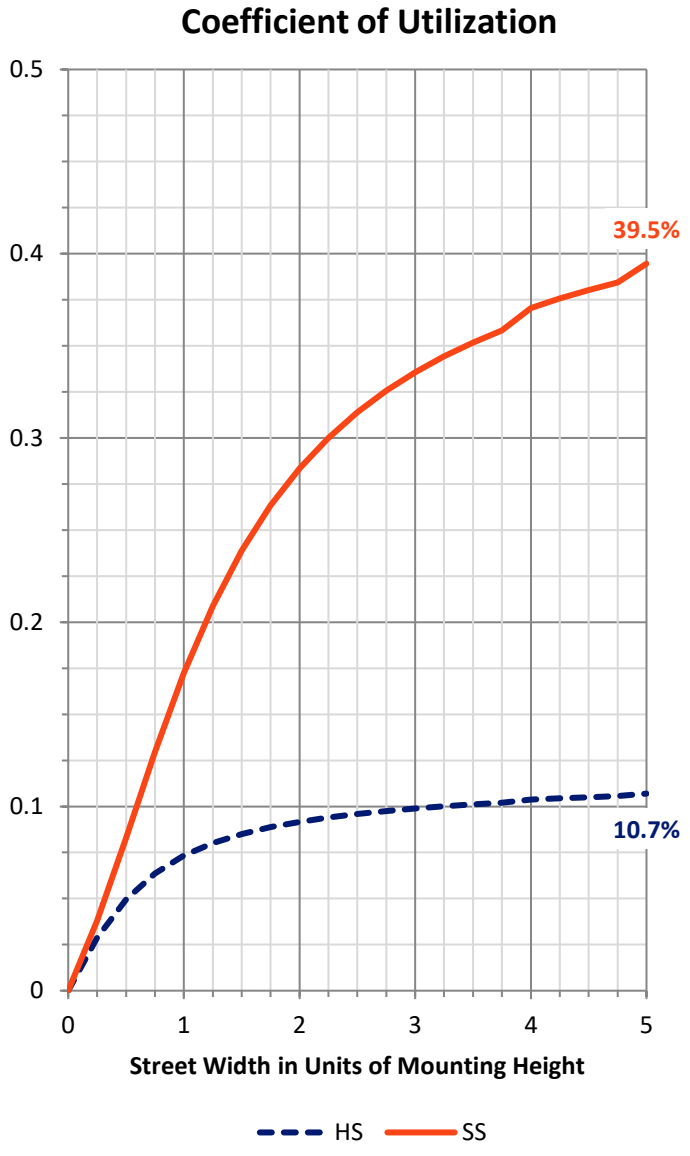
REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 543.8 | 517.4 | 1061.2 |
| | % Fixture | 11.6 | 11.0 | 22.6 |
| **Street Side** | Lumens | 2135.4 | 1507.2 | 3642.7 |
| | % Fixture | 45.4 | 32.0 | 77.4 |
| **Total** | Lumens | 2679.3 | 2024.6 | 4703.9 |
| | % Fixture | 57.0 | 43.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 6.7 | 0.1 |
| 10°-20° | 39.2 | 0.8 |
| 20°-30° | 104.0 | 2.2 |
| 30°-40° | 200.8 | 4.3 |
| 40°-50° | 314.5 | 6.7 |
| 50°-60° | 420.5 | 8.9 |
| 60°-70° | 498.3 | 10.6 |
| 70°-80° | 542.8 | 11.5 |
| 80°-90° | 552.6 | 11.7 |
| 90°-100° | 524.0 | 11.1 |
| 100°-110° | 463.4 | 9.9 |
| 110°-120° | 376.3 | 8.0 |
| 120°-130° | 277.0 | 5.9 |
| 130°-140° | 183.6 | 3.9 |
| 140°-150° | 108.2 | 2.3 |
| 150°-160° | 57.2 | 1.2 |
| 160°-170° | 27.0 | 0.6 |
| 170°-180° | 7.9 | 0.2 |
| 0°-90° | 2679.3 | 57.0 |
| 0°-180° | 4703.9 | 100.0 |



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

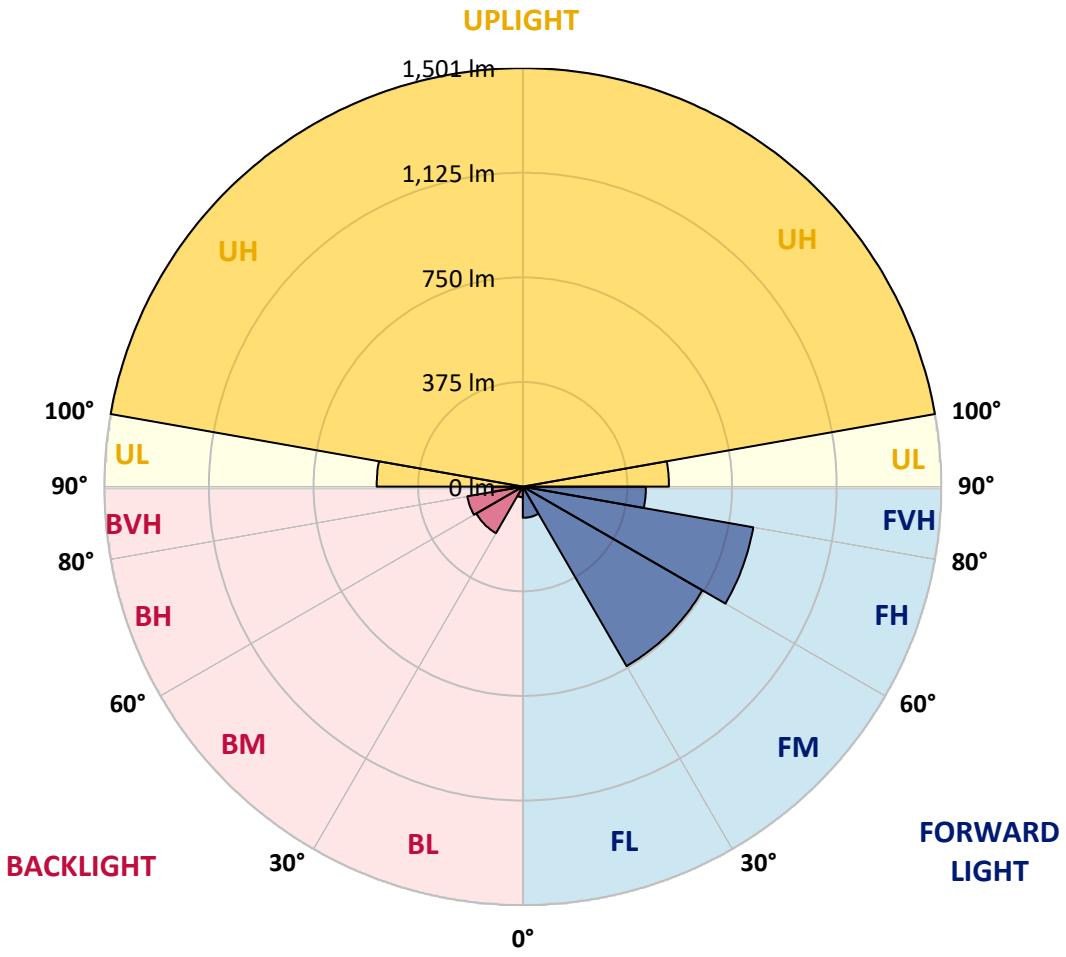
Scaled Data Report

REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 111.9 | 2.4 | | | |
| FM | (30°-60°) | 743.2 | 15.8 | | | |
| FH | (60°-80°) | 839.1 | 17.8 | | | G1/1800 |
| FVH | (80°-90°) | 441.2 | 9.4 | | | G3/500 |
| BL | (0°-30°) | 38.0 | 0.8 | B0/110 | | |
| BM | (30°-60°) | 192.5 | 4.1 | B0/220 | | |
| BH | (60°-80°) | 202.0 | 4.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 111.4 | 2.4 | | | G2/225 |
| UL | (90°-100°) | 524.0 | 11.1 | | U4/1000 | |
| UH | (100°-180°) | 1500.5 | 31.9 | | U5 | |

**BUG Rating: B1-U5-G3**
Type IV Short



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

Scaled Data Report

REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 53.9 | 53.9 | 53.9 | *53.9* | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 2.5° | 65.7 | 65.7 | 66.2 | *66.2* | 66.7 | 65.7 | 64.3 | 63.3 | 61.8 | 58.3 | 55.4 |
| 5° | 91.4 | 91.9 | 90.9 | *91.4* | 91.9 | 89.5 | 86.0 | 81.6 | 75.1 | 69.2 | 62.8 |
| 7.5° | 122.6 | 124.1 | 121.6 | *121.1* | 119.6 | 115.7 | 110.7 | 103.8 | 96.9 | 89.0 | 79.6 |
| 10° | 156.7 | 156.2 | 153.2 | *149.8* | 148.8 | 143.8 | 137.4 | 131.0 | 120.6 | 110.7 | 100.8 |
| 12.5° | 188.8 | 188.3 | 185.8 | *183.4* | 181.9 | 175.5 | 167.6 | 160.1 | 149.3 | 136.4 | 124.1 |
| 15° | 222.4 | 222.9 | 220.4 | *219.0* | 216.0 | 209.6 | 203.1 | 192.3 | 181.4 | 166.6 | 151.7 |
| 17.5° | 256.0 | 257.0 | 254.5 | *253.6* | 251.1 | 245.6 | 237.2 | 225.9 | 212.0 | 194.7 | 176.0 |
| 20° | 293.1 | 294.1 | 292.6 | *289.1* | 286.2 | 280.2 | 272.8 | 258.5 | 243.2 | 225.4 | 201.2 |
| 22.5° | 332.6 | 333.1 | 328.7 | *327.7* | 324.7 | 319.3 | 308.4 | 295.6 | 278.3 | 255.5 | 230.3 |
| 25° | 371.7 | 371.7 | 370.7 | *369.7* | 365.3 | 358.8 | 348.0 | 332.1 | 312.9 | 288.6 | 259.0 |
| 27.5° | 413.7 | 414.2 | 411.7 | *410.7* | 407.3 | 398.9 | 387.5 | 370.2 | 350.4 | 321.3 | 287.7 |
| 30° | 458.2 | 457.7 | 455.2 | *453.2* | 451.8 | 443.3 | 430.5 | 412.7 | 388.0 | 354.4 | 320.3 |
| 32.5° | 502.7 | 501.2 | 499.7 | *497.7* | 497.2 | 486.3 | 476.0 | 454.2 | 428.5 | 392.9 | 351.9 |
| 35° | 548.1 | 544.7 | 543.7 | *544.2* | 541.7 | 532.8 | 517.5 | 496.2 | 466.6 | 429.5 | 383.0 |
| 37.5° | 587.7 | 590.6 | 588.2 | *586.2* | 586.7 | 576.8 | 560.5 | 536.8 | 505.6 | 464.6 | 414.7 |
| 40° | 631.7 | 629.7 | 629.7 | *629.7* | 628.2 | 619.3 | 602.0 | 575.8 | 540.2 | 496.7 | 442.4 |
| 42.5° | 669.7 | 669.7 | 672.2 | *670.7* | 669.2 | 658.8 | 640.1 | 610.9 | 573.3 | 526.4 | 469.0 |
| 45° | 708.8 | 707.8 | 710.7 | *708.8* | 707.8 | 696.9 | 677.1 | 647.0 | 607.4 | 556.0 | 495.7 |
| 47.5° | 744.8 | 745.3 | 746.3 | *746.3* | 745.3 | 733.0 | 712.2 | 676.6 | 636.6 | 581.7 | 518.5 |
| 50° | 776.0 | 778.5 | 781.4 | *779.4* | 780.4 | 767.1 | 743.9 | 707.8 | 661.3 | 606.0 | 538.7 |
| 52.5° | 806.6 | 806.6 | 810.6 | *810.6* | 809.6 | 796.7 | 770.5 | 732.5 | 686.5 | 627.7 | 557.5 |
| 55° | 832.8 | 833.3 | 836.8 | *837.3* | 836.8 | 821.9 | 794.3 | 753.2 | 705.3 | 646.0 | 572.8 |
| 57.5° | 852.6 | 854.1 | 858.5 | *860.0* | 858.0 | 844.7 | 813.5 | 772.0 | 721.1 | 660.3 | 586.2 |
| 60° | 870.4 | 872.4 | 877.3 | *879.3* | 877.8 | 863.5 | 830.8 | 786.4 | 734.0 | 672.7 | 597.6 |
| 62.5° | 886.2 | 886.7 | 893.1 | *894.1* | 893.6 | 878.3 | 843.7 | 797.2 | 744.4 | 682.1 | 607.4 |
| 65° | 897.6 | 899.1 | 906.0 | *907.5* | 906.5 | 890.2 | 854.1 | 806.1 | 752.8 | 690.0 | 614.9 |
| 67.5° | 906.5 | 907.5 | 914.4 | *916.8* | 915.9 | 898.6 | 861.5 | 811.6 | 757.7 | 695.4 | 620.8 |
| 70° | 911.4 | 912.9 | 920.8 | *922.8* | 921.8 | 904.5 | 865.9 | 814.0 | 760.7 | 699.4 | 624.7 |
| 72.5° | 914.4 | 915.9 | 924.3 | *926.7* | 926.2 | 907.9 | 867.9 | 815.0 | 761.6 | 701.3 | 627.7 |
| 75° | *915.9* | *917.3* | *925.7* | *929.2* | *927.7* | *909.4* | *868.4* | *814.5* | *761.2* | *702.8* | *630.2* |
| 76° | 915.9 | 916.8 | 925.7 | *929.2* | 927.7 | 909.4 | 868.4 | 813.5 | 760.7 | 703.3 | 631.2 |
| 77.5° | 914.9 | 916.4 | 925.2 | *928.2* | 927.2 | 908.9 | 866.9 | 811.6 | 759.2 | 702.3 | 631.7 |
| 80° | 912.4 | 913.9 | 922.3 | *925.7* | 924.3 | 905.5 | 863.5 | 807.6 | 755.2 | 700.4 | 631.7 |
| 82.5° | 907.0 | 908.4 | 916.4 | *918.8* | 918.3 | 899.5 | 857.0 | 800.7 | 749.3 | 696.9 | 630.7 |
| 85° | 898.6 | 900.0 | 906.5 | *909.4* | 907.9 | 890.2 | 847.6 | 791.3 | 741.9 | 691.5 | 627.7 |
| 87.5° | 887.2 | 888.2 | 895.1 | *896.1* | 895.6 | 877.8 | 835.8 | 779.4 | 732.0 | 684.1 | 622.8 |
| 90° | 873.4 | 874.3 | 879.8 | *881.3* | 879.8 | 863.0 | 820.5 | 766.6 | 719.6 | 675.2 | 616.8 |
| 92.5° | 859.0 | 858.5 | 862.5 | *864.0* | 862.5 | 845.7 | 804.6 | 751.3 | 706.8 | 665.3 | 609.4 |
| 95° | 842.2 | 843.2 | 844.2 | *845.2* | 843.2 | 826.9 | 786.9 | 734.5 | 692.9 | 654.4 | 602.5 |
| 97.5° | 823.4 | 822.9 | 823.9 | *823.9* | 821.9 | 805.6 | 766.6 | 718.2 | 677.1 | 642.5 | 593.1 |
| 100° | 803.7 | 803.2 | 802.2 | *800.2* | 798.2 | 782.4 | 746.3 | 697.9 | 660.8 | 628.2 | 583.7 |
| 102.5° | 781.9 | 778.9 | 776.0 | *775.5* | 771.0 | 757.7 | 723.1 | 678.6 | 643.5 | 614.9 | 571.9 |
| 105° | 755.2 | 754.2 | 749.8 | *745.8* | 743.4 | 728.5 | 696.9 | 657.4 | 625.2 | 598.5 | 559.0 |
| 107.5° | 728.0 | 726.1 | 719.6 | *718.2* | 713.2 | 699.9 | 671.2 | 636.1 | 606.9 | 582.2 | 543.7 |

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

Scaled Data Report

REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 698.9 | 697.9 | 691.0 | *686.5* | 682.6 | 667.7 | 643.0 | 613.4 | 586.7 | 563.9 | 526.4 |
| 112.5° | 666.3 | 665.3 | 657.9 | *654.4* | 648.5 | 637.1 | 613.9 | 587.2 | 564.4 | 543.7 | 507.6 |
| 115° | 633.1 | 632.6 | 624.2 | *619.8* | 614.4 | 600.5 | 581.7 | 561.0 | 540.7 | 520.0 | 484.9 |
| 117.5° | 600.0 | 597.6 | 589.2 | *583.7* | 578.3 | 565.9 | 550.6 | 534.3 | 515.5 | 496.2 | 461.6 |
| 120° | 562.5 | 562.0 | 552.6 | *548.1* | 543.2 | 531.8 | 518.5 | 503.2 | 488.3 | 469.0 | 438.4 |
| 122.5° | 526.4 | 525.9 | 517.5 | *512.0* | 505.6 | 496.7 | 485.9 | 474.0 | 460.6 | 441.9 | 411.7 |
| 125° | 489.8 | 488.8 | 479.9 | *474.5* | 469.0 | 461.6 | 451.3 | 442.9 | 432.0 | 414.2 | 385.5 |
| 127.5° | 452.7 | 450.8 | 445.3 | *439.9* | 434.0 | 424.6 | 421.1 | 413.7 | 401.8 | 384.5 | 359.3 |
| 130° | 418.1 | 417.2 | 409.7 | *404.8* | 398.9 | 391.5 | 388.5 | 382.6 | 374.2 | 358.3 | 334.6 |
| 132.5° | 382.1 | 381.1 | 376.6 | *371.7* | 366.7 | 359.3 | 357.8 | 352.4 | 344.0 | 331.2 | 308.9 |
| 135° | 349.9 | 348.9 | 344.0 | *338.6* | 336.1 | 330.7 | 328.7 | 324.2 | 316.3 | 303.5 | 284.2 |
| 137.5° | 318.8 | 318.3 | 313.4 | *308.9* | 305.9 | 302.0 | 300.0 | 296.1 | 290.1 | 278.8 | 261.0 |
| 140° | 290.6 | 288.2 | 284.2 | *280.2* | 277.3 | 273.3 | 272.3 | 268.9 | 264.4 | 253.6 | 240.7 |
| 142.5° | 262.5 | 261.0 | 258.0 | *254.5* | 252.6 | 248.1 | 245.6 | 244.2 | 238.2 | 229.8 | 219.4 |
| 145° | 234.8 | 234.8 | 232.3 | *229.8* | 226.9 | 223.9 | 221.9 | 220.4 | 215.5 | 208.1 | 198.2 |
| 147.5° | 211.5 | 211.5 | 209.6 | *208.6* | 206.1 | 202.2 | 200.7 | 199.2 | 194.7 | 188.8 | 180.9 |
| 150° | 191.8 | 190.8 | 189.3 | *187.8* | 185.8 | 182.4 | 179.9 | 178.4 | 175.0 | 170.5 | 163.1 |
| 152.5° | 172.0 | 172.0 | 171.0 | *169.0* | 167.6 | 165.1 | 163.1 | 161.1 | 158.7 | 153.7 | 147.8 |
| 155° | 155.2 | 155.2 | 153.7 | *152.7* | 151.7 | 149.8 | 147.8 | 145.8 | 142.8 | 138.9 | 134.4 |
| 157.5° | 141.4 | 141.4 | 140.4 | *139.9* | 137.9 | 136.9 | 134.9 | 133.0 | 130.0 | 126.5 | 122.6 |
| 160° | 128.5 | 129.0 | 128.5 | *128.0* | 126.5 | 125.0 | 123.1 | 121.1 | 118.6 | 115.7 | 112.7 |
| 162.5° | 118.1 | 118.6 | 117.6 | *117.1* | 116.2 | 114.7 | 112.7 | 111.7 | 109.7 | 106.3 | 103.3 |
| 165° | 109.2 | 109.2 | 108.7 | *108.2* | 107.7 | 105.8 | 104.8 | 103.8 | 101.8 | 99.3 | 96.9 |
| 167.5° | 102.3 | 102.3 | 101.8 | *101.8* | 100.8 | 99.8 | 98.4 | 97.4 | 95.4 | 93.9 | 90.9 |
| 170° | 96.4 | 96.4 | 95.9 | *95.4* | 94.9 | 93.9 | 92.9 | 91.4 | 90.4 | 88.5 | 87.0 |
| 172.5° | 91.4 | 91.4 | 90.9 | *90.4* | 90.4 | 89.0 | 88.5 | 87.5 | 86.5 | 85.0 | 83.5 |
| 175° | 87.5 | 87.0 | 87.0 | *86.5* | 86.0 | 85.0 | 84.5 | 84.0 | 83.0 | 82.5 | 81.6 |
| 177.5° | 84.0 | 84.0 | 83.5 | *83.5* | 83.0 | 82.0 | 82.0 | 81.6 | 81.1 | 80.6 | 80.1 |
| 180° | 79.6 | 79.6 | 79.6 | *79.6* | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |

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

Scaled Data Report

REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 2.5° | 53.9 | 52.4 | 48.4 | 45.0 | 42.5 | 39.0 | 36.1 | 35.1 | 34.6 | 34.1 | 34.1 |
| 5° | 59.3 | 56.3 | 49.4 | 43.0 | 37.1 | 32.1 | 27.7 | 23.2 | 19.8 | 17.8 | 16.8 |
| 7.5° | 74.6 | 71.2 | 61.8 | 53.4 | 45.0 | 37.6 | 30.1 | 24.7 | 19.8 | 16.8 | 16.8 |
| 10° | 94.9 | 90.0 | 78.1 | 66.2 | 55.9 | 45.0 | 36.1 | 28.7 | 24.2 | 21.7 | 21.7 |
| 12.5° | 116.2 | 109.7 | 95.9 | 80.6 | 66.2 | 53.9 | 43.0 | 35.1 | 30.1 | 28.2 | 28.2 |
| 15° | 141.4 | 133.0 | 115.2 | 95.9 | 78.6 | 63.8 | 51.4 | 42.5 | 36.6 | 34.1 | 33.6 |
| 17.5° | 165.6 | 154.7 | 133.4 | 111.7 | 90.9 | 73.1 | 58.8 | 47.4 | 41.0 | 37.6 | 37.1 |
| 20° | 191.3 | 177.9 | 152.7 | 126.0 | 102.3 | 80.6 | 63.3 | 50.9 | 42.5 | 38.6 | 38.1 |
| 22.5° | 215.0 | 200.7 | 170.5 | 139.4 | 111.2 | 86.0 | 65.7 | 51.4 | 42.0 | 37.6 | 37.1 |
| 25° | 242.2 | 225.9 | 190.3 | 153.7 | 120.6 | 90.4 | 67.7 | 51.4 | 41.5 | 36.6 | 36.1 |
| 27.5° | 269.9 | 250.6 | 210.6 | 168.0 | 129.0 | 95.4 | 69.2 | 51.4 | 40.5 | 35.6 | 35.1 |
| 30° | 299.0 | 277.8 | 229.8 | 182.9 | 137.9 | 99.3 | 70.7 | 50.9 | 40.0 | 34.6 | 34.1 |
| 32.5° | 328.7 | 304.0 | 251.1 | 197.2 | 146.8 | 103.3 | 71.7 | 50.9 | 39.0 | 34.1 | 33.1 |
| 35° | 358.8 | 330.2 | 272.3 | 212.0 | 154.7 | 106.8 | 72.2 | 50.4 | 38.6 | 33.1 | 32.6 |
| 37.5° | 385.5 | 355.9 | 292.1 | 225.4 | 162.1 | 109.2 | 72.7 | 49.9 | 38.1 | 32.6 | 32.1 |
| 40° | 412.7 | 380.6 | 310.9 | 237.2 | 167.6 | 110.7 | 72.2 | 49.4 | 37.1 | 32.1 | 31.6 |
| 42.5° | 437.4 | 402.8 | 328.2 | 248.6 | 172.5 | 112.2 | 71.7 | 48.4 | 36.6 | 31.6 | 31.1 |
| 45° | 461.1 | 424.6 | 344.5 | 258.5 | 176.9 | 112.7 | 70.7 | 47.9 | 36.1 | 31.6 | 31.1 |
| 47.5° | 482.9 | 443.3 | 360.3 | 267.9 | 180.9 | 112.7 | 70.2 | 47.0 | 36.1 | 31.6 | 31.1 |
| 50° | 501.2 | 462.1 | 373.2 | 276.3 | 183.4 | 112.2 | 69.2 | 46.5 | 36.1 | 31.6 | 31.1 |
| 52.5° | 519.0 | 477.5 | 386.0 | 282.7 | 184.9 | 111.2 | 67.7 | 46.0 | 36.1 | 32.1 | 31.6 |
| 55° | 533.3 | 491.3 | 396.9 | 289.6 | 186.3 | 110.2 | 66.7 | 45.5 | 36.1 | 32.1 | 32.1 |
| 57.5° | 545.7 | 502.7 | 405.3 | 294.1 | 186.3 | 108.2 | 65.7 | 45.5 | 36.6 | 33.1 | 32.6 |
| 60° | 557.5 | 513.0 | 414.2 | 298.0 | 186.3 | 106.8 | 64.7 | 45.5 | 37.1 | 33.6 | 33.1 |
| 62.5° | 565.4 | 521.4 | 421.1 | 301.5 | 185.3 | 105.3 | 63.8 | 45.5 | 37.6 | 34.6 | 34.1 |
| 65° | 573.3 | 529.3 | 427.5 | 304.5 | 184.9 | 103.8 | 63.8 | 46.0 | 38.6 | 36.1 | 35.6 |
| 67.5° | 579.3 | 535.8 | 432.0 | 306.4 | 183.9 | 102.3 | 63.3 | 47.0 | 40.0 | 37.6 | 37.1 |
| 70° | 584.2 | 540.7 | 437.4 | 307.9 | 182.9 | 101.3 | 63.8 | 48.4 | 41.5 | 39.0 | 39.0 |
| 72.5° | 588.2 | 545.2 | 440.4 | 309.4 | 181.9 | 100.8 | 64.7 | 49.9 | 44.0 | 41.5 | 41.0 |
| 75° | *590.6* | *547.6* | *443.3* | *309.9* | *180.9* | *100.3* | *65.7* | *51.9* | *46.0* | *44.0* | *43.5* |
| 76° | 591.1 | 548.6 | 444.3 | 310.4 | 180.4 | 100.3 | 66.2 | 52.4 | 47.0 | 45.0 | 44.5 |
| 77.5° | 592.6 | 550.1 | 445.3 | 310.4 | 179.9 | 100.3 | 67.2 | 53.9 | 48.4 | 46.5 | 46.5 |
| 80° | 593.6 | 551.1 | 446.8 | 310.9 | 178.9 | 100.3 | 68.7 | 56.3 | 51.4 | 49.4 | 48.9 |
| 82.5° | 593.1 | 551.6 | 447.3 | 309.9 | 178.4 | 100.8 | 70.7 | 58.8 | 54.4 | 52.4 | 51.9 |
| 85° | 591.1 | 550.1 | 446.3 | 308.4 | 176.9 | 101.8 | 72.7 | 61.8 | 56.8 | 54.9 | 54.9 |
| 87.5° | 587.7 | 546.6 | 443.8 | 306.4 | 176.0 | 102.3 | 74.6 | 64.3 | 59.8 | 57.8 | 57.8 |
| 90° | 582.7 | 542.7 | 440.9 | 304.5 | 174.5 | 102.8 | 77.1 | 66.7 | 62.8 | 61.3 | 60.8 |
| 92.5° | 576.8 | 537.8 | 436.9 | 301.5 | 173.5 | 103.8 | 79.1 | 69.7 | 65.7 | 63.8 | 63.8 |
| 95° | 570.9 | 532.3 | 432.5 | 298.0 | 172.5 | 105.3 | 81.1 | 72.2 | 68.2 | 66.7 | 66.7 |
| 97.5° | 562.5 | 524.9 | 426.5 | 294.1 | 171.0 | 105.8 | 83.5 | 74.6 | 71.2 | 69.2 | 69.2 |
| 100° | 552.1 | 516.5 | 419.6 | 290.1 | 170.0 | 107.3 | 85.5 | 77.1 | 73.6 | 72.2 | 71.7 |
| 102.5° | 541.7 | 506.6 | 412.2 | 285.7 | 168.5 | 107.7 | 87.5 | 79.6 | 75.6 | 74.1 | 74.1 |
| 105° | 529.8 | 495.7 | 402.8 | 279.7 | 167.1 | 108.7 | 89.0 | 81.1 | 77.6 | 76.1 | 75.6 |
| 107.5° | 516.0 | 481.9 | 393.4 | 274.3 | 165.6 | 109.7 | 90.4 | 82.5 | 79.1 | 77.6 | 77.1 |

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

Scaled Data Report

REPORT NUMBER: P1045945
CATALOG NUMBER: FFX-CLB-40-740-U-FG-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 500.2 | 469.0 | 382.1 | 268.4 | 164.6 | 111.2 | 91.9 | 83.5 | 80.1 | 78.1 | 78.1 |
| 112.5° | 481.9 | 450.8 | 369.7 | 261.5 | 164.6 | 113.2 | 92.9 | 84.5 | 80.6 | 78.6 | 78.6 |
| 115° | 460.2 | 431.5 | 354.9 | 255.0 | 164.1 | 115.2 | 94.9 | 85.0 | 80.6 | 79.1 | 78.6 |
| 117.5° | 438.9 | 411.2 | 340.0 | 248.6 | 165.6 | 118.6 | 96.9 | 86.0 | 80.6 | 78.6 | 78.6 |
| 120° | 415.2 | 390.0 | 324.7 | 242.2 | 167.6 | 122.1 | 99.3 | 86.5 | 80.6 | 78.1 | 78.1 |
| 122.5° | 390.5 | 367.2 | 309.9 | 236.3 | 169.0 | 126.0 | 101.3 | 87.5 | 80.1 | 77.6 | 77.1 |
| 125° | 367.2 | 344.0 | 293.1 | 230.3 | 170.5 | 129.5 | 103.8 | 88.0 | 79.6 | 76.6 | 76.1 |
| 127.5° | 341.5 | 323.7 | 278.3 | 223.9 | 171.5 | 132.5 | 105.8 | 88.5 | 79.1 | 75.6 | 75.1 |
| 130° | 319.3 | 302.0 | 263.4 | 217.0 | 170.5 | 133.4 | 106.3 | 88.0 | 78.1 | 74.6 | 74.6 |
| 132.5° | 294.6 | 280.7 | 247.1 | 208.1 | 168.0 | 133.4 | 106.8 | 88.0 | 77.6 | 74.1 | 73.6 |
| 135° | 272.8 | 260.0 | 231.8 | 198.2 | 163.6 | 131.5 | 105.8 | 87.5 | 77.1 | 73.6 | 73.1 |
| 137.5° | 252.6 | 240.2 | 215.5 | 187.8 | 157.2 | 128.0 | 103.8 | 86.5 | 76.6 | 73.1 | 72.7 |
| 140° | 230.8 | 221.9 | 200.7 | 176.4 | 150.3 | 124.1 | 101.3 | 85.5 | 76.6 | 73.1 | 72.7 |
| 142.5° | 211.0 | 203.6 | 184.4 | 164.1 | 141.4 | 118.1 | 98.4 | 84.0 | 76.1 | 73.1 | 72.7 |
| 145° | 193.3 | 184.9 | 170.0 | 151.7 | 132.5 | 112.7 | 95.4 | 83.0 | 75.6 | 73.1 | 72.7 |
| 147.5° | 176.0 | 168.5 | 156.2 | 140.4 | 124.6 | 107.3 | 92.4 | 81.6 | 75.6 | 73.1 | 72.7 |
| 150° | 158.7 | 153.7 | 142.8 | 130.0 | 115.7 | 101.8 | 89.5 | 80.6 | 75.6 | 73.6 | 73.1 |
| 152.5° | 143.8 | 140.4 | 131.0 | 120.6 | 108.2 | 96.4 | 86.5 | 79.6 | 75.6 | 73.6 | 73.6 |
| 155° | 131.5 | 128.0 | 120.1 | 110.7 | 101.8 | 91.9 | 84.5 | 78.6 | 75.6 | 74.1 | 73.6 |
| 157.5° | 119.1 | 116.6 | 110.2 | 103.3 | 95.9 | 88.5 | 82.5 | 78.1 | 75.6 | 74.1 | 74.1 |
| 160° | 109.7 | 107.3 | 102.3 | 96.9 | 90.9 | 85.5 | 80.6 | 77.1 | 75.6 | 74.6 | 74.6 |
| 162.5° | 101.8 | 99.8 | 95.9 | 91.4 | 87.0 | 82.5 | 79.1 | 76.6 | 75.6 | 74.6 | 74.6 |
| 165° | 95.4 | 93.9 | 90.4 | 87.0 | 84.0 | 80.6 | 78.1 | 76.6 | 75.6 | 75.1 | 75.1 |
| 167.5° | 90.0 | 89.0 | 86.5 | 84.0 | 81.6 | 79.1 | 77.1 | 76.1 | 75.6 | 75.6 | 75.6 |
| 170° | 86.0 | 85.0 | 83.5 | 81.6 | 79.6 | 78.1 | 76.6 | 76.1 | 76.1 | 75.6 | 76.1 |
| 172.5° | 83.0 | 82.5 | 81.1 | 79.6 | 78.6 | 77.1 | 76.6 | 76.1 | 76.6 | 76.6 | 76.6 |
| 175° | 81.1 | 80.6 | 79.6 | 78.6 | 78.1 | 77.1 | 77.1 | 76.6 | 77.1 | 77.6 | 77.6 |
| 177.5° | 79.6 | 79.1 | 78.6 | 78.6 | 78.1 | 77.6 | 77.6 | 78.1 | 78.6 | 78.6 | 78.6 |
| 180° | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |

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

Streetworks

Report Number: SP1-2501-332-11

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

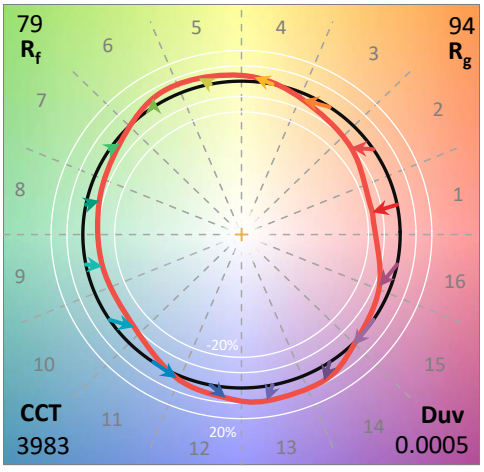
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2501-332-11 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 03/31/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | Streetworks |
| Catalog Number: | **FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS** |
| Description: | FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD |

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 3983 | CRI (Ra): | 76.2 | | |
| CIE u': | 0.2252 | R1: | 72.6 | R9: | -26.0 |
| CIE v': | 0.5025 | R2: | 84.0 | R10: | 63.7 |
| Duv: | 0.0005 | R3: | 93.4 | R11: | 72.4 |
| CIE x: | 0.3815 | R4: | 74.5 | R12: | 56.4 |
| CIE y: | 0.3785 | R5: | 73.8 | R13: | 75.0 |
| CIE z: | 0.2400 | R6: | 78.3 | R14: | 96.6 |
| Peak Wavelength (nm): | 448 | R7: | 81.1 | R15: | 64.5 |
| Dominant Wavelength (nm): | 578 | R8: | 52.1 | | |
| Purity: | 28.07575 | | | | |

| | |
|---|---|
| Rf: | 79 |
| Rg: | 94.1 |




## Test Conditions

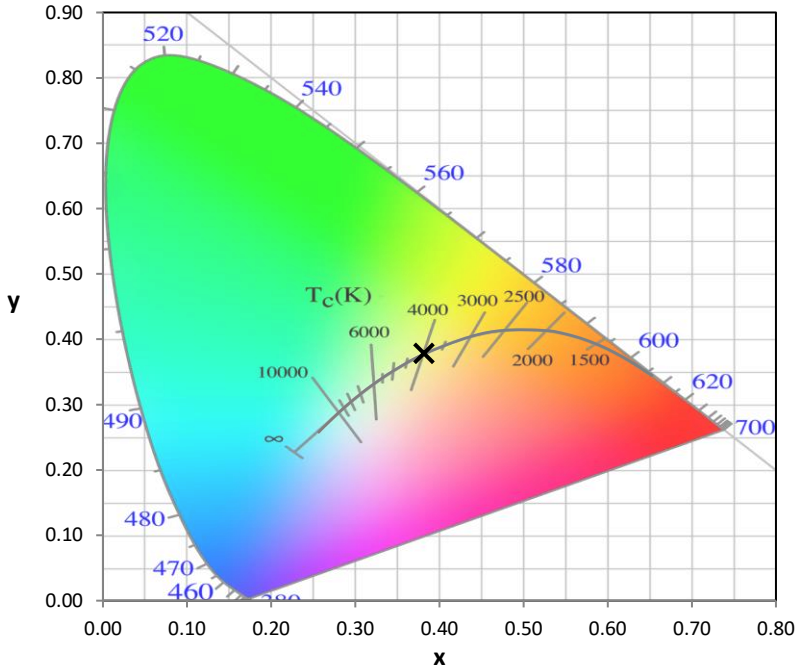
| | |
|---|---|
| Stabilization Time: | 20M |
| Operation Time: | 1H 20M |
| Sphere Temperature (°C): | 24.8 |

REPORT NUMBER: SP1-2501-332-11

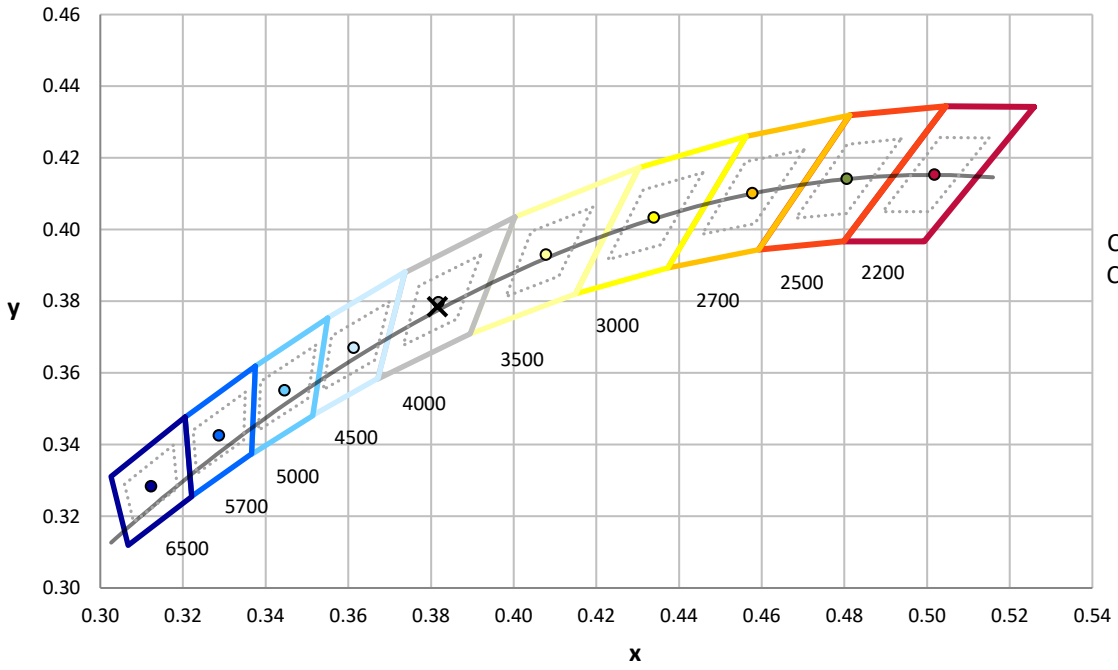
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 12/16/2024 | 6/16/2025 |
| Power Meter | INXT2011004 | 1/21/2025 | 1/21/2026 |
| AC Power Source | IN0063 | 10/22/2024 | 10/22/2025 |
| DC Power Source | IN0208 | 10/22/2024 | 10/22/2025 |
| Sphere Thermometer | IN0085 | 10/22/2024 | 10/22/2025 |
| Room Thermometer | IN0046 | 10/22/2024 | 10/22/2025 |

REPORT NUMBER: SP1-2501-332-11

## CIE 1931 Chromaticity Diagram




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

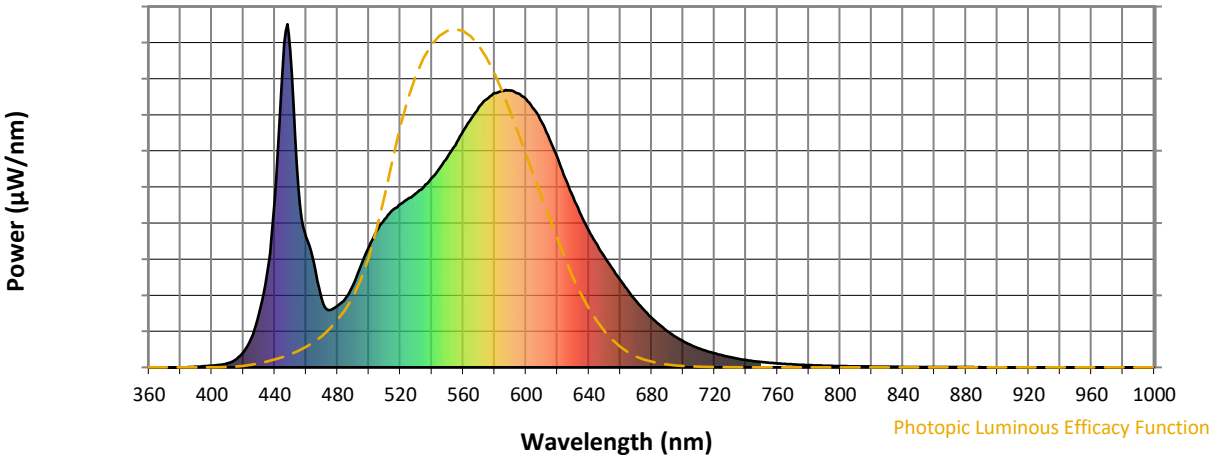



CCT = 3983K
CIE x = 0.3815
CIE y = 0.3785
Duv = 0.0005

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-11

## Photopic Flux vs. Wavelength

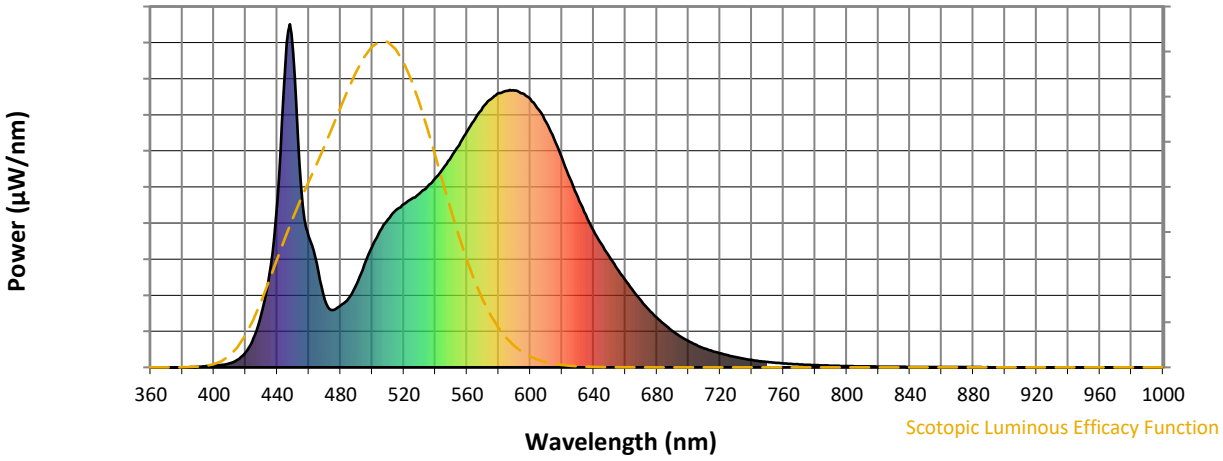



## Photopic Lumens: NR

| 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 | 241 | NR | 620 | 611 | NR | 750 | 16 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 298 | NR | 625 | 551 | NR | 755 | 13 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 352 | NR | 630 | 496 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 399 | NR | 635 | 444 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 432 | NR | 640 | 398 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 458 | NR | 645 | 359 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 476 | NR | 650 | 321 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 3 | NR | 525 | 492 | NR | 655 | 287 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 5 | NR | 530 | 508 | NR | 660 | 254 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 7 | NR | 535 | 527 | NR | 665 | 223 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 552 | NR | 670 | 194 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 23 | NR | 545 | 582 | NR | 675 | 168 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 44 | NR | 550 | 613 | NR | 680 | 144 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 85 | NR | 555 | 648 | NR | 685 | 124 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 689 | NR | 690 | 105 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 272 | NR | 565 | 725 | NR | 695 | 90 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 486 | NR | 570 | 758 | NR | 700 | 76 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 871 | NR | 575 | 782 | NR | 705 | 65 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 919 | NR | 580 | 799 | NR | 710 | 55 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 526 | NR | 585 | 806 | NR | 715 | 48 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 380 | NR | 590 | 807 | NR | 720 | 41 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 303 | NR | 595 | 799 | NR | 725 | 35 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 197 | NR | 600 | 782 | NR | 730 | 30 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 167 | NR | 605 | 752 | NR | 735 | 25 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 180 | NR | 610 | 714 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 201 | NR | 615 | 665 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-11

## Scotopic Flux vs. Wavelength

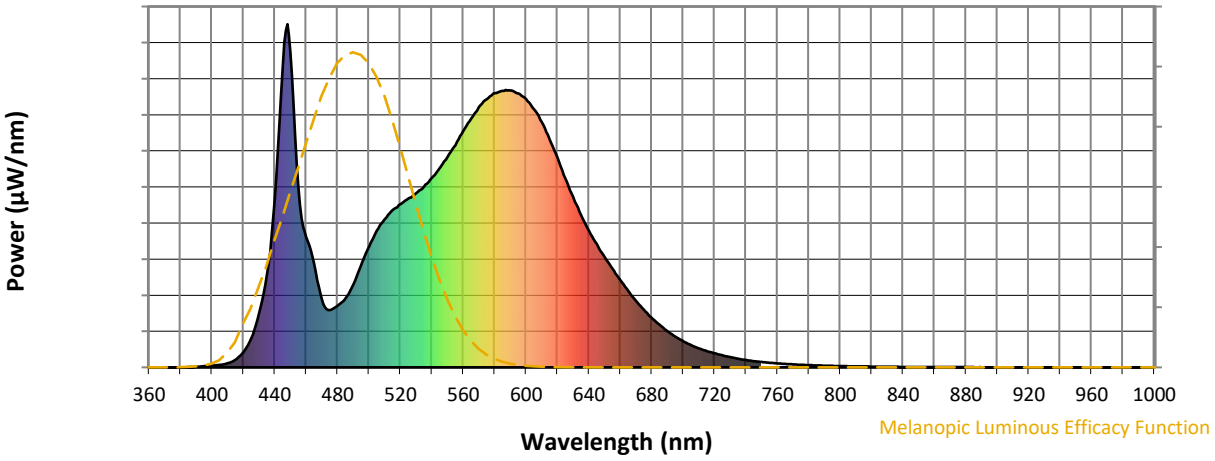



**Scotopic Lumens: NR** **S/P: 1.61**

| 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 | 241 | NR | 620 | 611 | NR | 750 | 16 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 298 | NR | 625 | 551 | NR | 755 | 13 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 352 | NR | 630 | 496 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 399 | NR | 635 | 444 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 432 | NR | 640 | 398 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 458 | NR | 645 | 359 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 476 | NR | 650 | 321 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 3 | NR | 525 | 492 | NR | 655 | 287 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 5 | NR | 530 | 508 | NR | 660 | 254 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 7 | NR | 535 | 527 | NR | 665 | 223 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 552 | NR | 670 | 194 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 23 | NR | 545 | 582 | NR | 675 | 168 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 44 | NR | 550 | 613 | NR | 680 | 144 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 85 | NR | 555 | 648 | NR | 685 | 124 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 689 | NR | 690 | 105 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 272 | NR | 565 | 725 | NR | 695 | 90 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 486 | NR | 570 | 758 | NR | 700 | 76 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 871 | NR | 575 | 782 | NR | 705 | 65 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 919 | NR | 580 | 799 | NR | 710 | 55 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 526 | NR | 585 | 806 | NR | 715 | 48 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 380 | NR | 590 | 807 | NR | 720 | 41 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 303 | NR | 595 | 799 | NR | 725 | 35 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 197 | NR | 600 | 782 | NR | 730 | 30 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 167 | NR | 605 | 752 | NR | 735 | 25 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 180 | NR | 610 | 714 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 201 | NR | 615 | 665 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-11

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.24**

| 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 | 241 | NR | 620 | 611 | NR | 750 | 16 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 298 | NR | 625 | 551 | NR | 755 | 13 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 352 | NR | 630 | 496 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 399 | NR | 635 | 444 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 432 | NR | 640 | 398 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 458 | NR | 645 | 359 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 476 | NR | 650 | 321 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 3 | NR | 525 | 492 | NR | 655 | 287 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 5 | NR | 530 | 508 | NR | 660 | 254 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 7 | NR | 535 | 527 | NR | 665 | 223 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 552 | NR | 670 | 194 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 23 | NR | 545 | 582 | NR | 675 | 168 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 44 | NR | 550 | 613 | NR | 680 | 144 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 85 | NR | 555 | 648 | NR | 685 | 124 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 689 | NR | 690 | 105 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 272 | NR | 565 | 725 | NR | 695 | 90 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 486 | NR | 570 | 758 | NR | 700 | 76 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 871 | NR | 575 | 782 | NR | 705 | 65 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 919 | NR | 580 | 799 | NR | 710 | 55 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 526 | NR | 585 | 806 | NR | 715 | 48 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 380 | NR | 590 | 807 | NR | 720 | 41 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 303 | NR | 595 | 799 | NR | 725 | 35 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 197 | NR | 600 | 782 | NR | 730 | 30 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 167 | NR | 605 | 752 | NR | 735 | 25 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 180 | NR | 610 | 714 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 201 | NR | 615 | 665 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

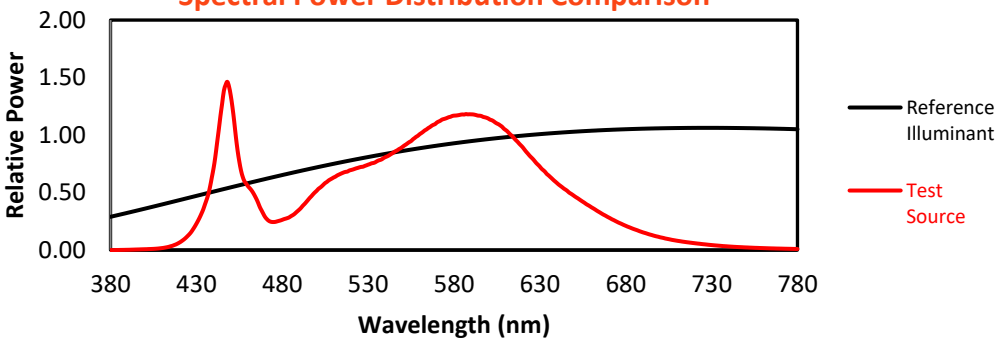
REPORT NUMBER: SP1-2501-332-11

# TM-30-18

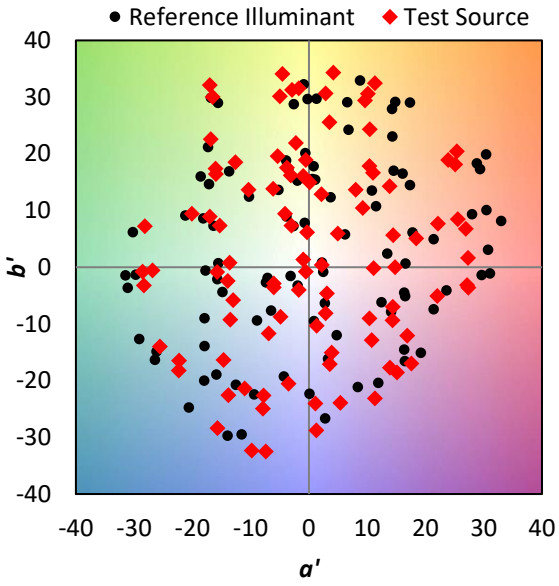
## Summary

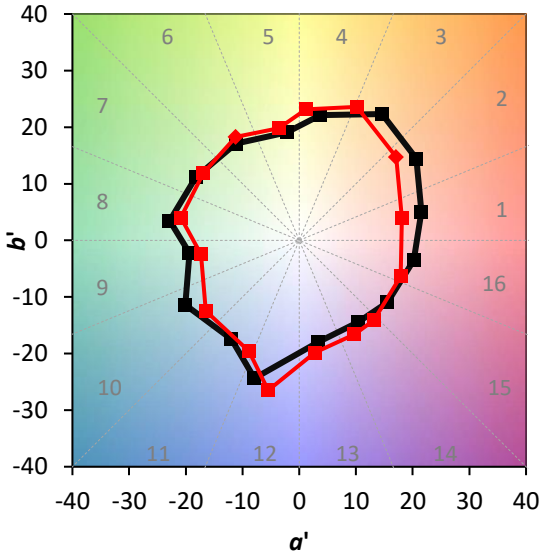
$R_f$ = 79
$R_g$ = 94.1
CIE $R_a$ = 76.2
$R_9$ = -26.0

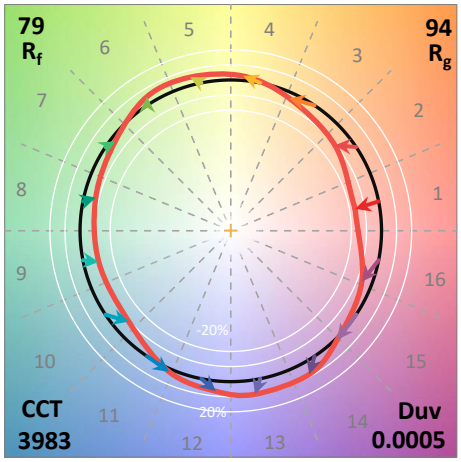
## Spectral Power Distribution Comparison

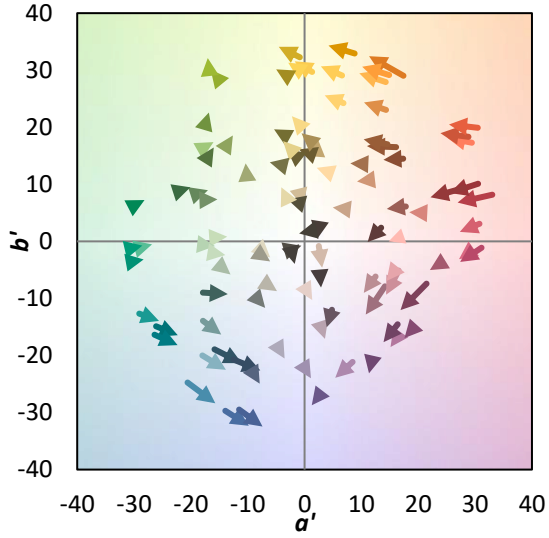



## Color Vector Graphics



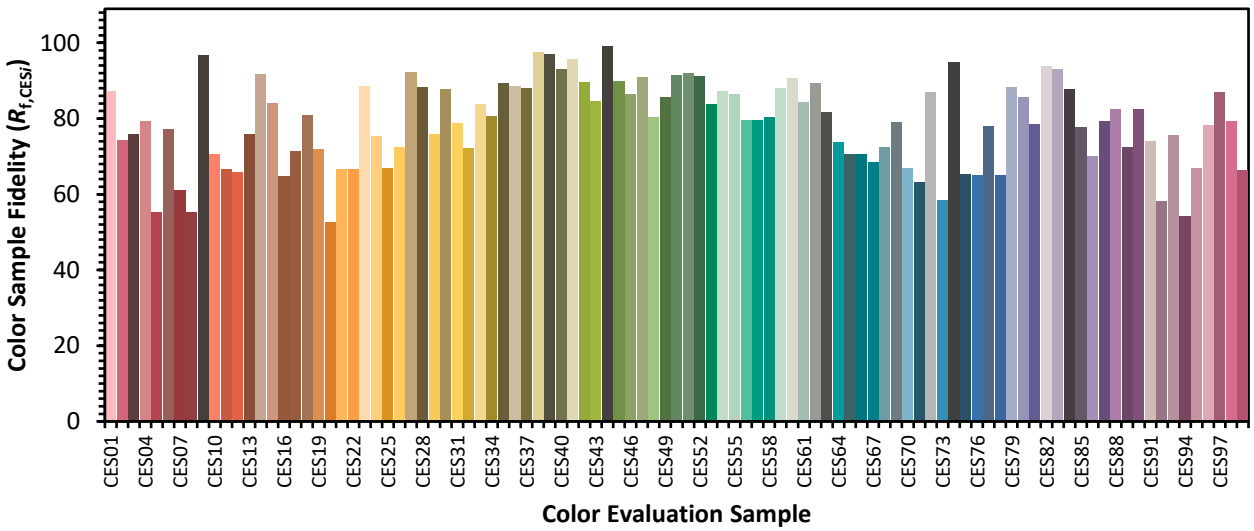



REPORT NUMBER: SP1-2501-332-11

# TM-30-18

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

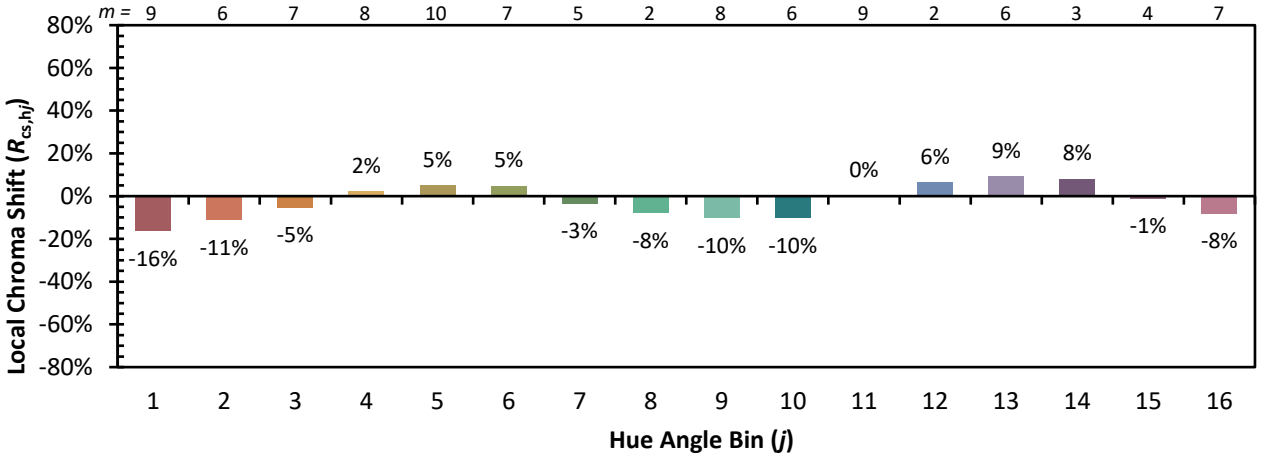
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 72 | CES51 = 92 | CES76 = 65 |
| CES02 = 61 | CES27 = 92 | CES52 = 91 | CES77 = 78 |
| CES03 = 30 | CES28 = 88 | CES53 = 84 | CES78 = 65 |
| CES04 = 70 | CES29 = 76 | CES54 = 87 | CES79 = 88 |
| CES05 = 47 | CES30 = 88 | CES55 = 86 | CES80 = 86 |
| CES06 = 50 | CES31 = 79 | CES56 = 80 | CES81 = 79 |
| CES07 = 40 | CES32 = 72 | CES57 = 79 | CES82 = 94 |
| CES08 = 39 | CES33 = 84 | CES58 = 80 | CES83 = 93 |
| CES09 = 29 | CES34 = 81 | CES59 = 88 | CES84 = 88 |
| CES10 = 74 | CES35 = 89 | CES60 = 91 | CES85 = 78 |
| CES11 = 57 | CES36 = 88 | CES61 = 84 | CES86 = 70 |
| CES12 = 63 | CES37 = 88 | CES62 = 89 | CES87 = 79 |
| CES13 = 42 | CES38 = 98 | CES63 = 82 | CES88 = 82 |
| CES14 = 74 | CES39 = 97 | CES64 = 74 | CES89 = 72 |
| CES15 = 71 | CES40 = 93 | CES65 = 71 | CES90 = 83 |
| CES16 = 46 | CES41 = 96 | CES66 = 71 | CES91 = 74 |
| CES17 = 49 | CES42 = 90 | CES67 = 68 | CES92 = 58 |
| CES18 = 56 | CES43 = 85 | CES68 = 72 | CES93 = 76 |
| CES19 = 72 | CES44 = 99 | CES69 = 79 | CES94 = 54 |
| CES20 = 65 | CES45 = 90 | CES70 = 67 | CES95 = 67 |
| CES21 = 86 | CES46 = 87 | CES71 = 63 | CES96 = 78 |
| CES22 = 78 | CES47 = 91 | CES72 = 87 | CES97 = 87 |
| CES23 = 91 | CES48 = 80 | CES73 = 58 | CES98 = 79 |
| CES24 = 91 | CES49 = 86 | CES74 = 95 | CES99 = 66 |
| CES25 = 72 | CES50 = 92 | CES75 = 65 | |

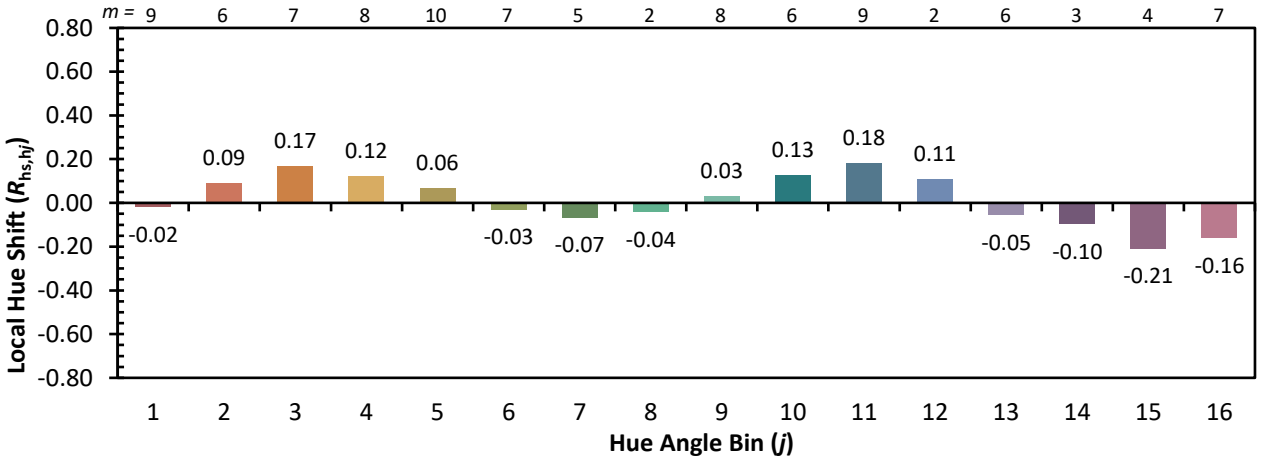


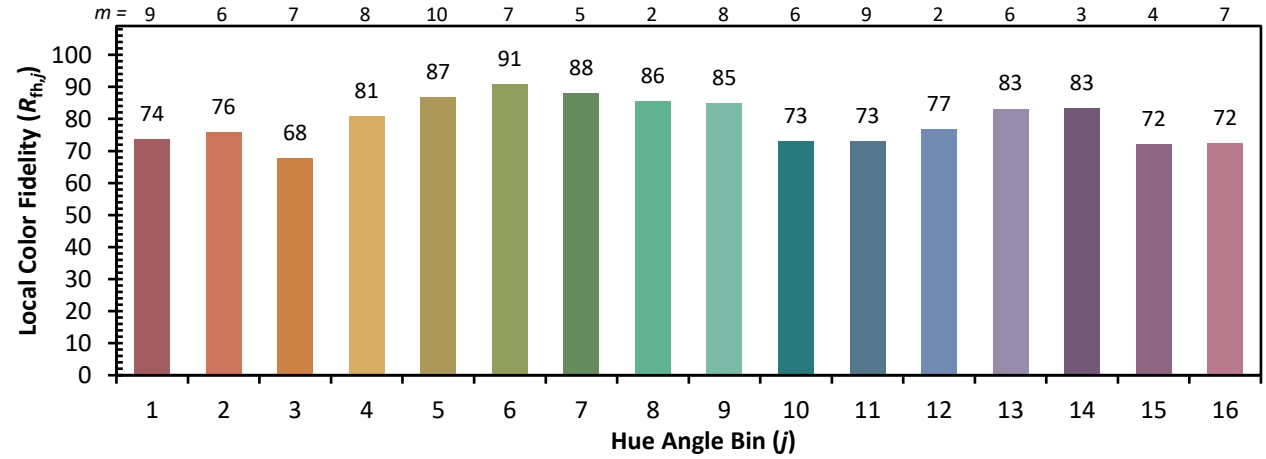
REPORT NUMBER: SP1-2501-332-11

**TM-30-18**

## Color Rendition by Hue-Angle Bin



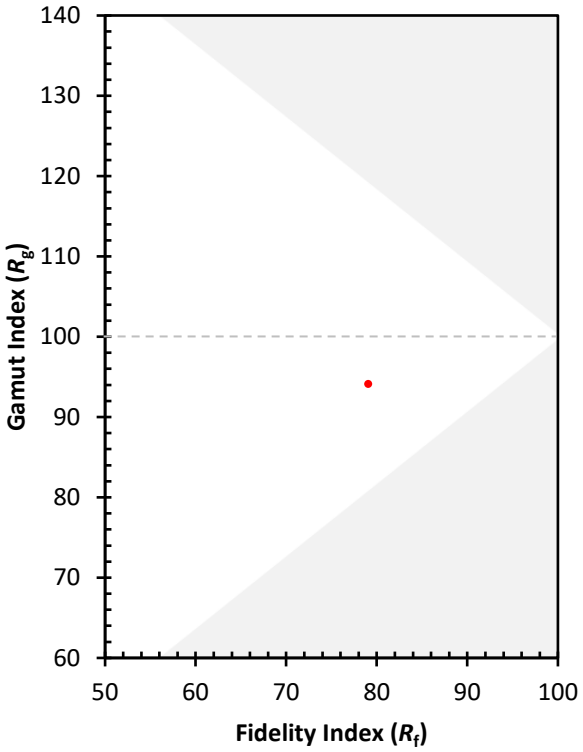



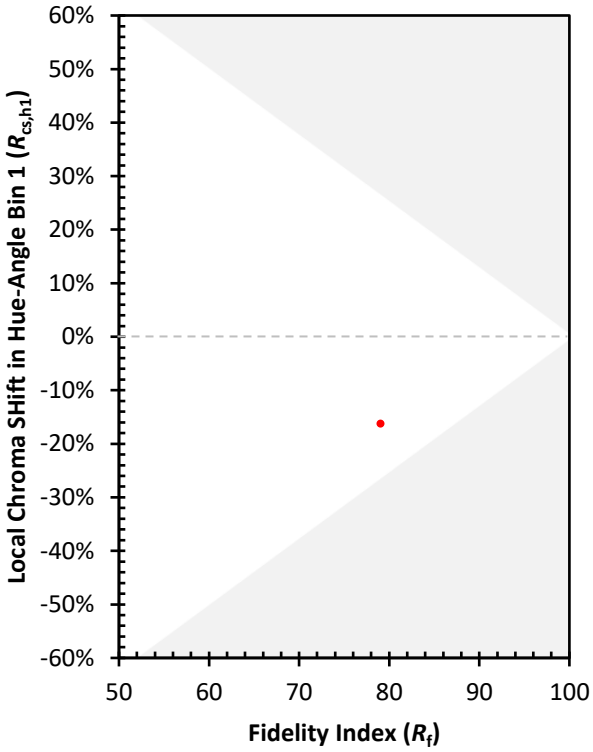



REPORT NUMBER: SP1-2501-332-11

# TM-30-18

## Measure Comparisons




(END OF REPORT)