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: P1046222

Luminaire Tested: **FFX-CLB-60-750-U-FR-T4-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: | P1046222 |
| Test Lab: | INNOVATION CENTER(G3) |
| Issue Date: | 07/01/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | FFX-CLB-60-750-U-FR-T4-HSS |
| Description: | FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD |
| Light Source: | (4) 5000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9121.3 lumens |
| Efficiency: | N/A |
| Efficacy: | 150.5 lumens/watt |
| Luminous Opening: | Vertical Cylinder (Dia: 1.17' x H: 1.67') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U5 - G3 |

| | |
|---|---|
| Input Watts (W): | 60.6 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.99 |
| Total Harmonic Distortion (THDi): | 8.53% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

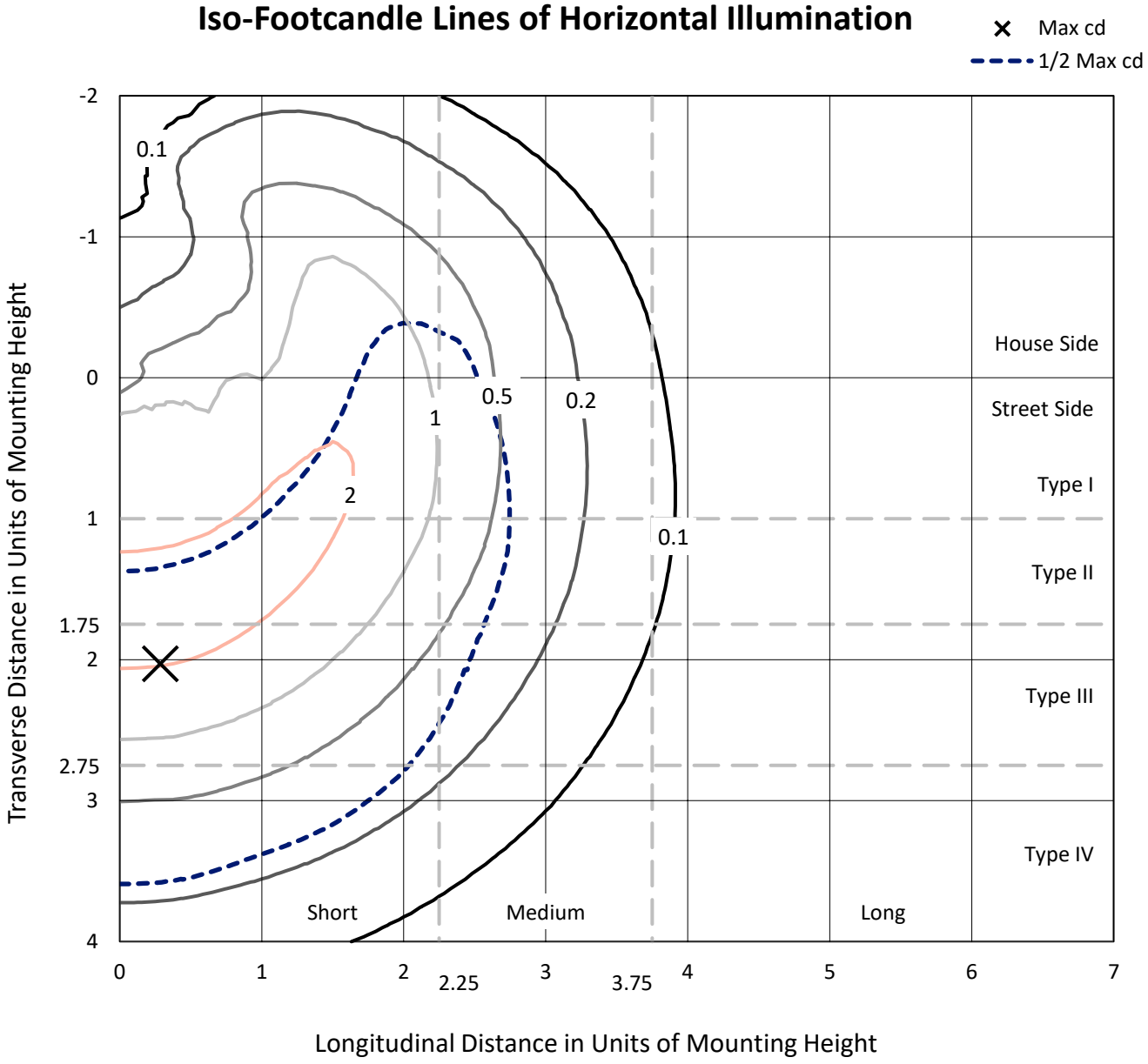


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REPORT NUMBER: P1046222
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## Iso-Footcandle Lines of Horizontal Illumination



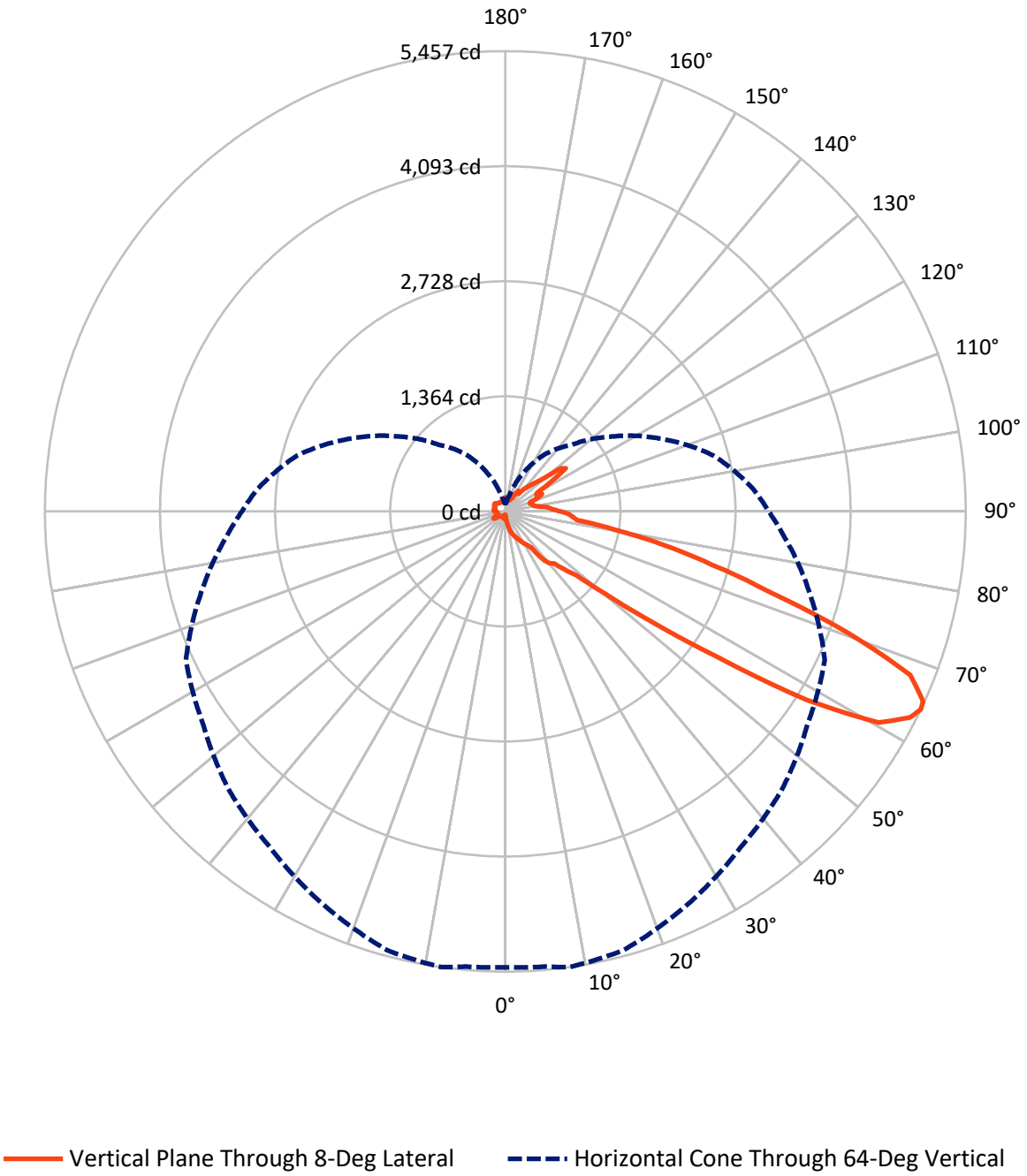

Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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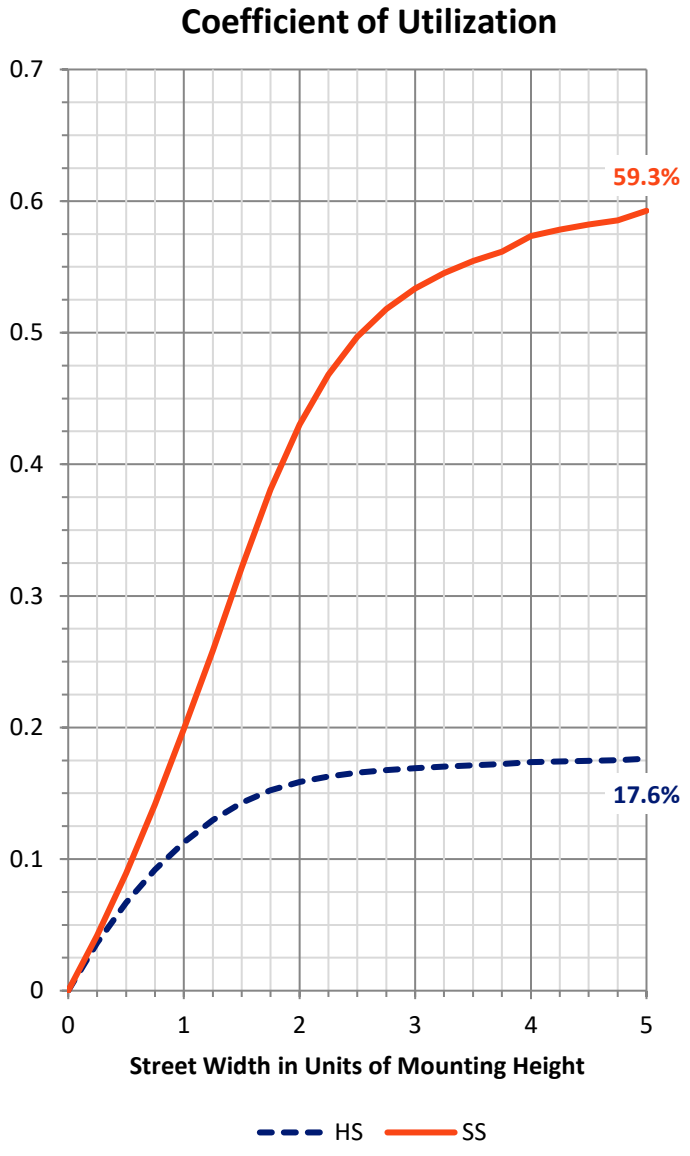
REPORT NUMBER: P1046222
CATALOG NUMBER: FFX-CLB-60-750-U-FR-T4-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1668.1 | 623.1 | 2291.3 |
| | % Fixture | 18.3 | 6.8 | 25.1 |
| **Street Side** | Lumens | 5636.9 | 1193.2 | 6830.0 |
| | % Fixture | 61.8 | 13.1 | 74.9 |
| **Total** | Lumens | 7305.0 | 1816.3 | 9121.3 |
| | % Fixture | 80.1 | 19.9 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 9.3 | 0.1 |
| 10°-20° | 50.2 | 0.6 |
| 20°-30° | 109.0 | 1.2 |
| 30°-40° | 217.9 | 2.4 |
| 40°-50° | 471.7 | 5.2 |
| 50°-60° | 1635.0 | 17.9 |
| 60°-70° | 2750.2 | 30.2 |
| 70°-80° | 1495.5 | 16.4 |
| 80°-90° | 566.1 | 6.2 |
| 90°-100° | 357.2 | 3.9 |
| 100°-110° | 241.0 | 2.6 |
| 110°-120° | 260.7 | 2.9 |
| 120°-130° | 429.1 | 4.7 |
| 130°-140° | 264.3 | 2.9 |
| 140°-150° | 138.2 | 1.5 |
| 150°-160° | 72.0 | 0.8 |
| 160°-170° | 39.1 | 0.4 |
| 170°-180° | 14.7 | 0.2 |
| 0°-90° | 7305.0 | 80.1 |
| 0°-180° | 9121.3 | 100.0 |



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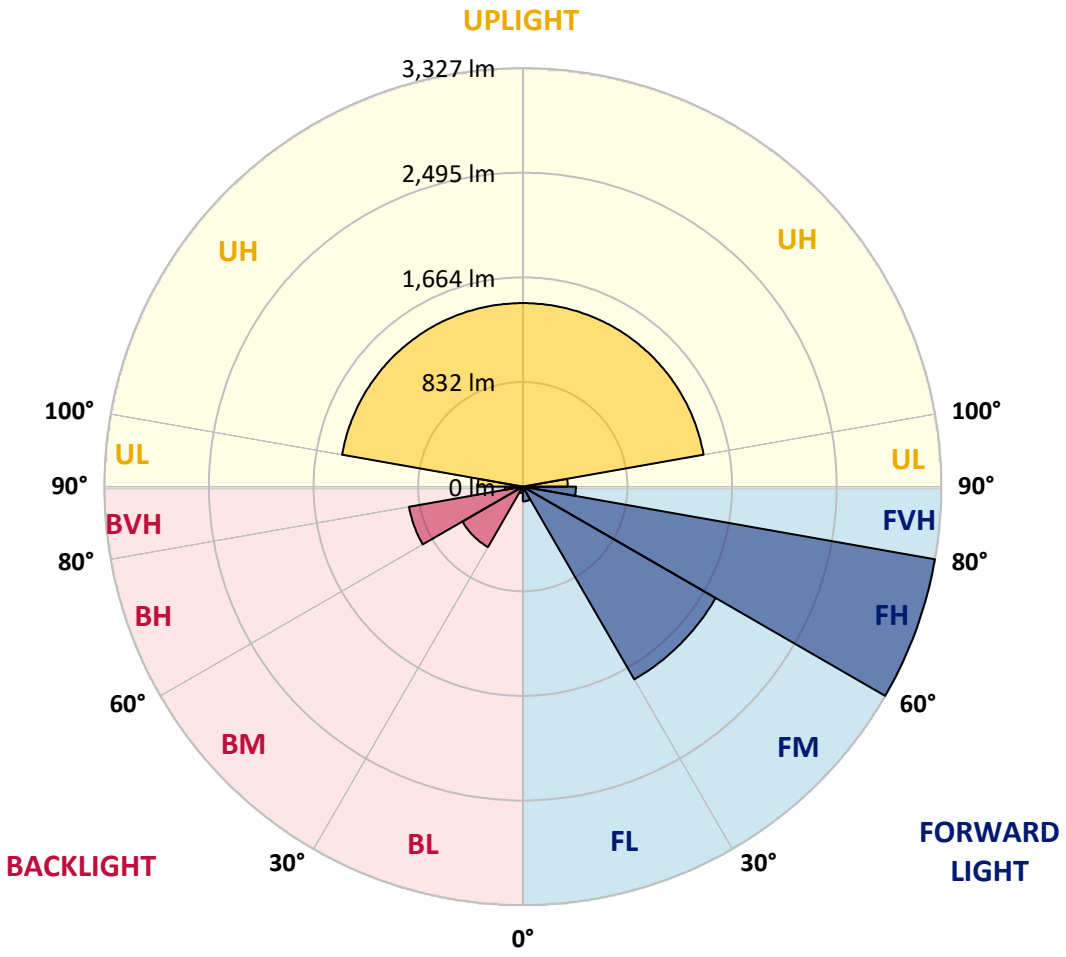
Scaled Data Report

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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 117.3 | 1.3 | | | |
| FM | (30°-60°) | 1770.1 | 19.4 | | | |
| FH | (60°-80°) | 3327.1 | 36.5 | | | G2/5000 |
| FVH | (80°-90°) | 422.3 | 4.6 | | | G3/500 |
| BL | (0°-30°) | 51.2 | 0.6 | B0/110 | | |
| BM | (30°-60°) | 554.5 | 6.1 | B1/1000 | | |
| BH | (60°-80°) | 918.7 | 10.1 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 143.8 | 1.6 | | | G2/225 |
| UL | (90°-100°) | 357.2 | 3.9 | | U3/500 | |
| UH | (100°-180°) | 1459.1 | 16.0 | | U5 | |

**BUG Rating: B2-U5-G3**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 8° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 58.6 | 58.6 | *58.6* | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| 2.5° | 63.7 | 63.7 | *63.7* | 65.6 | 66.8 | 67.5 | 65.6 | 64.3 | 63.7 | 63.1 | 61.2 |
| 5° | 91.4 | 92.1 | *92.1* | 94.0 | 92.7 | 94.0 | 91.4 | 89.5 | 86.4 | 82.6 | 79.5 |
| 7.5° | 129.3 | 129.3 | *128.6* | 129.3 | 128.6 | 126.1 | 126.1 | 128.0 | 123.0 | 115.4 | 108.5 |
| 10° | 175.3 | 176.6 | *175.9* | 173.4 | 169.6 | 166.5 | 166.5 | 169.0 | 161.4 | 148.2 | 138.1 |
| 12.5° | 222.0 | 224.5 | *222.0* | 222.6 | 216.3 | 213.8 | 208.7 | 207.5 | 197.4 | 184.8 | 167.1 |
| 15° | 256.6 | 258.5 | *259.2* | 261.1 | 260.4 | 252.2 | 243.4 | 233.9 | 225.7 | 214.4 | 196.1 |
| 17.5° | 284.4 | 285.0 | *286.3* | 285.6 | 281.9 | 273.7 | 263.6 | 253.5 | 240.2 | 228.3 | 211.2 |
| 20° | 311.5 | 314.0 | *313.4* | 312.8 | 310.9 | 304.6 | 292.6 | 278.1 | 266.7 | 249.1 | 231.4 |
| 22.5° | 339.2 | 337.3 | *338.6* | 338.0 | 338.0 | 331.7 | 319.1 | 302.0 | 286.9 | 269.2 | 253.5 |
| 25° | 371.4 | 370.8 | *371.4* | 369.5 | 367.0 | 363.8 | 348.1 | 328.5 | 311.5 | 293.2 | 271.1 |
| 27.5° | 405.4 | 406.1 | *406.7* | 403.6 | 400.4 | 395.4 | 372.7 | 353.1 | 334.8 | 312.1 | 281.2 |
| 30° | 443.3 | 441.4 | *442.0* | 437.6 | 435.7 | 420.0 | 397.9 | 374.6 | 354.4 | 324.1 | 293.8 |
| 32.5° | 478.0 | 474.8 | *474.2* | 470.4 | 467.2 | 444.5 | 421.8 | 399.1 | 375.2 | 344.3 | 317.8 |
| 35° | 526.5 | 532.8 | *530.3* | 530.3 | 538.5 | 503.8 | 477.3 | 455.3 | 429.4 | 397.3 | 369.5 |
| 37.5° | 724.5 | 723.2 | *715.7* | 705.6 | 677.2 | 652.6 | 640.6 | 606.0 | 564.3 | 529.0 | 484.9 |
| 40° | 820.4 | 816.6 | *808.4* | 788.2 | 768.0 | 739.0 | 720.7 | 699.3 | 677.8 | 615.4 | 544.8 |
| 42.5° | 843.1 | 839.9 | *841.8* | 865.8 | 892.2 | 870.8 | 799.5 | 722.0 | 684.2 | 641.9 | 606.6 |
| 45° | 967.3 | 978.0 | *981.1* | 980.5 | 961.6 | 938.9 | 908.0 | 861.3 | 795.8 | 735.9 | 662.1 |
| 47.5° | 1124.9 | 1123.7 | *1131.2* | 1121.1 | 1136.9 | 1097.2 | 1057.4 | 1008.9 | 940.8 | 859.4 | 771.2 |
| 50° | 1537.3 | 1524.1 | *1525.9* | 1529.7 | 1505.8 | 1476.8 | 1440.8 | 1413.7 | 1280.7 | 1165.3 | 1031.0 |
| 52.5° | 2192.4 | 2194.3 | *2180.5* | 2179.8 | 2108.6 | 2052.5 | 1989.4 | 1991.9 | 1796.5 | 1641.3 | 1447.1 |
| 55° | 3081.5 | 3082.8 | *3033.0* | 3074.0 | 2993.9 | 2986.3 | 2847.0 | 2667.3 | 2404.3 | 2193.1 | 1997.6 |
| 57.5° | 4188.8 | 4226.6 | *4222.2* | 4149.1 | 4026.7 | 3960.5 | 3735.4 | 3546.9 | 3174.9 | 2843.2 | 2577.7 |
| 60° | 5132.1 | 5114.4 | *5085.4* | 5030.0 | 4663.6 | 4509.7 | 4343.9 | 4183.1 | 3874.8 | 3415.7 | 3018.5 |
| 62.5° | 5401.4 | 5388.1 | *5383.1* | 5355.3 | 5065.9 | 4812.4 | 4603.7 | 4340.8 | 4134.6 | 3684.3 | 3279.5 |
| 64° | *5405.8* | *5417.7* | *5456.8* | *5390.6* | *5133.4* | *4862.9* | *4646.6* | *4378.0* | *4177.4* | *3733.5* | *3311.1* |
| 65° | 5395.7 | 5393.2 | *5442.3* | 5358.5 | 5130.2 | 4860.3 | 4620.1 | 4362.8 | 4164.2 | 3720.3 | 3302.9 |
| 67.5° | 5125.2 | 5114.4 | *5177.5* | 5069.7 | 4870.4 | 4627.0 | 4391.2 | 4115.0 | 3940.4 | 3514.1 | 3109.9 |
| 70° | 4205.8 | 4205.2 | *4303.6* | 4213.4 | 4154.1 | 3896.2 | 3655.3 | 3401.9 | 3215.2 | 2865.3 | 2527.3 |
| 72.5° | 3222.8 | 3217.1 | *3282.7* | 3215.2 | 3184.9 | 3063.2 | 2838.1 | 2614.3 | 2436.5 | 2174.2 | 1900.5 |
| 75° | 2568.3 | 2570.8 | *2536.1* | 2469.9 | 2445.3 | 2391.1 | 2290.8 | 2157.1 | 2008.3 | 1770.0 | 1517.8 |
| 77.5° | 1923.2 | 1910.6 | *1925.7* | 1833.0 | 1826.1 | 1809.7 | 1809.1 | 1723.3 | 1597.2 | 1445.2 | 1245.4 |
| 80° | 1281.9 | 1289.5 | *1316.6* | 1292.0 | 1298.9 | 1293.3 | 1328.6 | 1237.8 | 1141.9 | 1052.4 | 945.8 |
| 82.5° | 829.2 | 849.4 | *856.9* | 891.0 | 920.6 | 933.9 | 885.3 | 793.9 | 734.0 | 701.2 | 653.9 |
| 85° | 795.8 | 804.0 | *799.5* | 779.4 | 769.3 | 752.9 | 752.3 | 723.2 | 692.4 | 629.3 | 552.4 |
| 87.5° | 734.0 | 743.4 | *739.6* | 722.0 | 699.3 | 697.4 | 693.0 | 672.8 | 658.3 | 608.5 | 540.4 |
| 90° | 626.1 | 626.8 | *629.9* | 626.8 | 622.4 | 619.2 | 594.0 | 582.0 | 573.2 | 530.3 | 484.3 |
| 92.5° | 542.9 | 550.5 | *548.6* | 542.9 | 528.4 | 537.2 | 510.1 | 487.4 | 482.4 | 452.7 | 417.4 |
| 95° | 498.8 | 503.8 | *505.1* | 495.0 | 481.1 | 478.0 | 457.2 | 439.5 | 431.3 | 411.8 | 368.9 |
| 97.5° | 413.6 | 410.5 | *408.0* | 405.4 | 396.0 | 385.9 | 372.7 | 350.6 | 343.7 | 322.2 | 298.3 |
| 100° | 353.1 | 354.4 | *353.1* | 351.2 | 343.0 | 338.0 | 328.5 | 310.9 | 303.3 | 289.4 | 273.0 |
| 102.5° | 336.7 | 337.3 | *337.3* | 338.0 | 324.1 | 312.8 | 302.7 | 290.1 | 283.1 | 271.1 | 255.4 |
| 105° | 321.6 | 321.6 | *322.8* | 323.5 | 309.6 | 293.2 | 278.7 | 271.8 | 268.6 | 254.7 | 238.4 |
| 107.5° | 302.7 | 302.0 | *303.9* | 295.7 | 281.9 | 274.9 | 259.8 | 251.6 | 250.3 | 239.6 | 222.6 |

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**CANDELA DISTRIBUTION (continued):**

| | 0° | 5° | 8° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 330.4 | 323.5 | *322.2* | 302.0 | 283.1 | 267.4 | 259.8 | 252.2 | 247.8 | 233.3 | 222.6 |
| 112.5° | 432.6 | 423.1 | *420.6* | 401.7 | 335.5 | 329.8 | 322.8 | 320.3 | 317.8 | 298.3 | 280.0 |
| 115° | 476.7 | 476.7 | *484.3* | 476.7 | 430.7 | 378.3 | 370.8 | 359.4 | 363.8 | 339.9 | 313.4 |
| 117.5° | 381.5 | 408.0 | *415.5* | 392.8 | 394.7 | 361.3 | 309.6 | 291.9 | 283.1 | 276.2 | 288.2 |
| 120° | 428.1 | 445.8 | *438.2* | 396.6 | 377.7 | 358.2 | 360.7 | 354.4 | 322.8 | 279.3 | 283.8 |
| 122.5° | 638.1 | 654.5 | *660.2* | 663.3 | 672.2 | 658.9 | 629.3 | 587.7 | 556.2 | 503.8 | 474.2 |
| 125° | 893.5 | 881.5 | *880.3* | 885.9 | 892.9 | 875.8 | 863.2 | 855.0 | 835.5 | 766.8 | 670.3 |
| 127.5° | 820.4 | 814.7 | *824.1* | 822.9 | 839.9 | 810.9 | 805.2 | 809.6 | 802.1 | 763.6 | 707.5 |
| 130° | 588.3 | 598.4 | *605.3* | 628.0 | 661.5 | 635.6 | 611.6 | 575.7 | 573.2 | 592.1 | 562.5 |
| 132.5° | 493.7 | 498.1 | *510.8* | 540.4 | 565.6 | 554.9 | 519.6 | 484.9 | 482.4 | 498.1 | 495.6 |
| 135° | 436.3 | 439.5 | *441.4* | 442.7 | 438.2 | 448.3 | 440.8 | 428.1 | 420.0 | 420.6 | 413.0 |
| 137.5° | 389.7 | 390.9 | *389.7* | 379.6 | 367.6 | 365.7 | 384.6 | 385.3 | 377.7 | 364.5 | 354.4 |
| 140° | 338.0 | 338.0 | *332.9* | 326.0 | 324.1 | 324.7 | 335.5 | 337.3 | 328.5 | 317.8 | 302.7 |
| 142.5° | 264.2 | 261.1 | *261.7* | 273.0 | 293.2 | 288.8 | 274.9 | 257.3 | 254.7 | 267.4 | 262.3 |
| 145° | 285.6 | 285.0 | *283.1* | 283.8 | 278.7 | 270.5 | 265.5 | 259.8 | 249.7 | 241.5 | 233.3 |
| 147.5° | 288.2 | 285.6 | *286.9* | 284.4 | 281.9 | 278.1 | 276.2 | 278.7 | 276.2 | 270.5 | 259.8 |
| 150° | 227.6 | 228.9 | *230.2* | 227.0 | 229.5 | 230.8 | 229.5 | 227.6 | 230.8 | 223.8 | 219.4 |
| 152.5° | 177.8 | 177.2 | *176.6* | 177.8 | 177.2 | 179.7 | 180.3 | 179.7 | 178.4 | 177.8 | 170.9 |
| 155° | 167.1 | 169.0 | *167.7* | 163.9 | 166.5 | 168.4 | 170.9 | 172.8 | 170.9 | 167.7 | 161.4 |
| 157.5° | 153.9 | 153.9 | *153.9* | 153.9 | 154.5 | 155.1 | 158.3 | 159.5 | 159.5 | 157.6 | 153.2 |
| 160° | 143.1 | 143.8 | *143.8* | 143.8 | 145.0 | 146.3 | 148.2 | 149.4 | 150.7 | 149.4 | 146.9 |
| 162.5° | 136.8 | 136.2 | *136.2* | 136.8 | 136.8 | 138.7 | 140.6 | 143.1 | 143.8 | 142.5 | 142.5 |
| 165° | 133.0 | 133.0 | *133.0* | 133.7 | 134.9 | 136.2 | 138.7 | 139.4 | 140.0 | 141.2 | 141.2 |
| 167.5° | 137.5 | 137.5 | *137.5* | 138.1 | 139.4 | 141.2 | 142.5 | 143.8 | 146.3 | 146.9 | 146.9 |
| 170° | 144.4 | 144.4 | *144.4* | 145.0 | 145.7 | 146.3 | 146.9 | 148.2 | 148.8 | 150.1 | 149.4 |
| 172.5° | 151.3 | 150.7 | *151.3* | 151.3 | 151.3 | 151.3 | 151.3 | 152.0 | 152.6 | 152.6 | 152.6 |
| 175° | 158.9 | 158.9 | *159.5* | 158.9 | 157.6 | 157.6 | 157.6 | 158.3 | 158.3 | 158.3 | 157.6 |
| 177.5° | 166.5 | 166.5 | *165.8* | 166.5 | 165.8 | 165.2 | 164.6 | 163.9 | 162.7 | 162.7 | 161.4 |
| 180° | 162.1 | 162.1 | *162.1* | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| 2.5° | 59.9 | 57.4 | 54.2 | 50.4 | 46.7 | 44.1 | 41.6 | 38.5 | 36.6 | 35.9 | 35.9 |
| 5° | 75.7 | 73.8 | 70.6 | 65.6 | 62.4 | 56.8 | 51.7 | 48.6 | 45.4 | 42.2 | 39.7 |
| 7.5° | 105.9 | 105.3 | 107.2 | 111.0 | 105.9 | 92.7 | 78.8 | 71.3 | 71.9 | 75.7 | 77.6 |
| 10° | 133.0 | 129.3 | 129.9 | 138.7 | 130.5 | 105.3 | 86.4 | 79.5 | 83.2 | 90.8 | 92.1 |
| 12.5° | 161.4 | 155.7 | 151.3 | 149.4 | 131.2 | 102.8 | 85.8 | 77.6 | 79.5 | 85.8 | 85.8 |
| 15° | 187.3 | 180.3 | 170.3 | 157.0 | 135.6 | 110.3 | 89.5 | 77.6 | 77.6 | 76.9 | 75.7 |
| 17.5° | 201.8 | 194.2 | 175.9 | 155.1 | 131.8 | 109.1 | 87.6 | 75.7 | 69.4 | 64.3 | 63.7 |
| 20° | 224.5 | 220.7 | 197.4 | 167.7 | 135.6 | 106.6 | 84.5 | 72.5 | 65.6 | 61.8 | 60.5 |
| 22.5° | 246.5 | 235.8 | 205.6 | 175.3 | 138.7 | 105.9 | 83.2 | 71.9 | 65.6 | 62.4 | 61.2 |
| 25° | 258.5 | 245.3 | 215.0 | 184.1 | 143.1 | 106.6 | 84.5 | 73.1 | 66.2 | 63.1 | 62.4 |
| 27.5° | 268.0 | 254.1 | 225.7 | 192.3 | 148.8 | 109.1 | 88.3 | 75.0 | 67.5 | 63.7 | 63.1 |
| 30° | 280.6 | 267.4 | 238.4 | 202.4 | 153.9 | 114.8 | 92.7 | 78.2 | 69.4 | 65.6 | 64.9 |
| 32.5° | 304.6 | 288.2 | 254.1 | 211.2 | 160.2 | 120.4 | 98.4 | 83.2 | 72.5 | 66.8 | 66.8 |
| 35° | 354.4 | 336.7 | 291.3 | 235.2 | 167.1 | 124.9 | 102.2 | 86.4 | 75.0 | 68.7 | 68.1 |
| 37.5° | 459.0 | 437.0 | 381.5 | 294.5 | 184.1 | 131.2 | 106.6 | 88.3 | 76.3 | 70.6 | 69.4 |
| 40° | 509.5 | 468.5 | 406.1 | 329.2 | 212.5 | 141.2 | 113.5 | 92.7 | 78.2 | 71.3 | 70.6 |
| 42.5° | 570.7 | 536.6 | 450.8 | 338.0 | 235.8 | 164.6 | 125.5 | 99.0 | 82.0 | 72.5 | 71.9 |
| 45° | 630.6 | 597.1 | 520.8 | 411.1 | 283.8 | 201.1 | 145.0 | 109.7 | 87.6 | 75.7 | 73.8 |
| 47.5° | 735.2 | 680.4 | 588.9 | 481.1 | 349.3 | 254.7 | 178.4 | 124.9 | 97.1 | 79.5 | 76.9 |
| 50° | 994.4 | 958.4 | 818.5 | 653.3 | 454.6 | 331.7 | 242.8 | 160.2 | 107.8 | 82.0 | 78.2 |
| 52.5° | 1341.2 | 1273.1 | 1114.2 | 911.8 | 659.6 | 492.5 | 355.0 | 237.7 | 132.4 | 84.5 | 79.5 |
| 55° | 1890.4 | 1784.5 | 1601.6 | 1251.0 | 946.5 | 746.6 | 555.5 | 390.3 | 201.8 | 90.2 | 80.1 |
| 57.5° | 2477.5 | 2381.6 | 2163.4 | 1729.0 | 1282.6 | 950.9 | 731.4 | 551.1 | 283.1 | 102.8 | 87.0 |
| 60° | 2870.3 | 2703.2 | 2454.1 | 2034.2 | 1550.5 | 1118.0 | 818.5 | 578.2 | 293.8 | 105.3 | 90.8 |
| 62.5° | 3095.4 | 2922.6 | 2554.4 | 2072.0 | 1598.5 | 1155.2 | 856.3 | 529.7 | 234.6 | 102.2 | 94.6 |
| 64° | *3121.9* | *2955.4* | *2555.6* | *2036.1* | *1547.4* | *1116.7* | *829.8* | *496.9* | *203.7* | *100.9* | *96.5* |
| 65° | 3101.1 | 2947.2 | 2524.8 | 1993.2 | 1478.7 | 1066.9 | 798.3 | 464.1 | 181.0 | 99.6 | 97.1 |
| 67.5° | 2898.7 | 2763.7 | 2321.1 | 1807.8 | 1314.7 | 921.2 | 655.1 | 356.9 | 141.9 | 97.1 | 95.8 |
| 70° | 2347.6 | 2285.8 | 1908.1 | 1458.5 | 1039.2 | 734.6 | 516.4 | 273.0 | 120.4 | 94.6 | 93.3 |
| 72.5° | 1761.1 | 1683.0 | 1423.8 | 1112.9 | 809.6 | 571.3 | 392.2 | 210.0 | 106.6 | 92.1 | 90.8 |
| 75° | 1411.8 | 1335.5 | 1128.7 | 876.5 | 602.2 | 426.9 | 290.1 | 157.0 | 100.3 | 91.4 | 90.2 |
| 77.5° | 1167.2 | 1106.0 | 928.2 | 667.1 | 428.1 | 305.8 | 213.1 | 128.0 | 98.4 | 92.1 | 90.8 |
| 80° | 897.9 | 887.8 | 725.1 | 485.5 | 303.3 | 228.3 | 172.1 | 119.8 | 99.0 | 94.6 | 93.3 |
| 82.5° | 629.9 | 604.7 | 512.0 | 361.3 | 262.3 | 208.7 | 165.2 | 121.7 | 104.0 | 100.3 | 99.6 |
| 85° | 518.9 | 499.4 | 438.2 | 347.4 | 249.7 | 201.8 | 163.3 | 124.9 | 109.1 | 105.9 | 104.7 |
| 87.5° | 513.3 | 491.8 | 433.8 | 332.3 | 237.1 | 192.3 | 155.7 | 121.7 | 108.5 | 106.6 | 107.8 |
| 90° | 466.0 | 450.2 | 396.6 | 306.5 | 235.2 | 195.5 | 162.7 | 134.3 | 120.4 | 114.1 | 112.9 |
| 92.5° | 408.0 | 398.5 | 360.7 | 297.6 | 244.0 | 206.8 | 177.2 | 148.8 | 136.2 | 132.4 | 130.5 |
| 95° | 356.3 | 352.5 | 321.6 | 270.5 | 225.1 | 194.8 | 167.7 | 143.1 | 132.4 | 127.4 | 126.7 |
| 97.5° | 291.9 | 287.5 | 263.6 | 230.2 | 196.7 | 171.5 | 151.3 | 132.4 | 124.9 | 124.2 | 123.6 |
| 100° | 266.7 | 263.6 | 246.5 | 225.1 | 198.6 | 179.7 | 162.1 | 146.3 | 140.0 | 140.0 | 140.6 |
| 102.5° | 246.5 | 244.7 | 229.5 | 207.5 | 186.6 | 169.0 | 154.5 | 140.0 | 132.4 | 132.4 | 128.0 |
| 105° | 230.2 | 227.0 | 213.1 | 195.5 | 174.0 | 157.6 | 143.8 | 133.0 | 124.9 | 122.3 | 122.3 |
| 107.5° | 215.7 | 211.9 | 200.5 | 183.5 | 167.7 | 152.0 | 139.4 | 129.3 | 123.6 | 121.7 | 121.7 |

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

Scaled Data Report

REPORT NUMBER: P1046222
CATALOG NUMBER: FFX-CLB-60-750-U-FR-T4-HSS

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 216.3 | 213.1 | 199.9 | 181.6 | 167.1 | 155.1 | 145.0 | 135.6 | 130.5 | 126.7 | 126.7 |
| 112.5° | 266.1 | 252.9 | 229.5 | 202.4 | 186.0 | 170.3 | 154.5 | 141.2 | 134.9 | 133.7 | 132.4 |
| 115° | 301.4 | 288.2 | 259.2 | 223.8 | 194.2 | 172.1 | 156.4 | 146.3 | 140.6 | 144.4 | 146.3 |
| 117.5° | 302.7 | 278.7 | 223.2 | 206.2 | 184.8 | 166.5 | 155.7 | 149.4 | 145.7 | 149.4 | 149.4 |
| 120° | 308.3 | 259.8 | 230.2 | 223.2 | 198.0 | 172.1 | 160.2 | 158.9 | 155.1 | 147.6 | 147.6 |
| 122.5° | 458.4 | 414.3 | 367.0 | 307.1 | 254.7 | 230.2 | 208.7 | 171.5 | 153.9 | 145.7 | 145.0 |
| 125° | 631.8 | 585.8 | 512.0 | 431.9 | 356.3 | 277.4 | 206.2 | 175.9 | 157.6 | 147.6 | 145.7 |
| 127.5° | 671.5 | 635.6 | 538.5 | 442.7 | 335.5 | 258.5 | 206.8 | 181.0 | 162.7 | 152.0 | 150.1 |
| 130° | 541.6 | 513.3 | 447.7 | 369.5 | 295.1 | 239.0 | 201.8 | 175.9 | 158.3 | 147.6 | 145.0 |
| 132.5° | 481.7 | 455.3 | 390.9 | 319.7 | 261.7 | 218.2 | 184.8 | 159.5 | 141.9 | 134.3 | 134.3 |
| 135° | 402.9 | 384.6 | 327.3 | 285.0 | 243.4 | 206.8 | 174.0 | 150.7 | 136.2 | 131.8 | 131.8 |
| 137.5° | 345.5 | 331.0 | 290.1 | 256.6 | 224.5 | 193.0 | 164.6 | 145.7 | 135.6 | 131.2 | 130.5 |
| 140° | 295.7 | 286.3 | 262.3 | 229.5 | 198.6 | 167.7 | 145.7 | 134.9 | 130.5 | 128.6 | 128.0 |
| 142.5° | 257.3 | 250.3 | 228.9 | 194.8 | 164.6 | 145.7 | 137.5 | 134.3 | 129.9 | 125.5 | 124.9 |
| 145° | 225.1 | 219.4 | 194.8 | 175.3 | 160.8 | 153.2 | 146.9 | 137.5 | 126.7 | 121.1 | 120.4 |
| 147.5° | 252.9 | 244.0 | 222.6 | 199.9 | 176.6 | 158.9 | 145.0 | 132.4 | 122.3 | 118.5 | 118.5 |
| 150° | 217.5 | 211.2 | 198.0 | 180.3 | 160.8 | 144.4 | 132.4 | 124.2 | 120.4 | 119.8 | 119.8 |
| 152.5° | 169.0 | 165.8 | 162.1 | 153.2 | 140.6 | 129.9 | 122.3 | 118.5 | 119.8 | 122.3 | 123.0 |
| 155° | 158.9 | 157.6 | 153.9 | 145.7 | 137.5 | 127.4 | 121.1 | 119.2 | 121.1 | 123.6 | 124.2 |
| 157.5° | 151.3 | 150.7 | 147.6 | 140.0 | 132.4 | 126.1 | 121.7 | 120.4 | 122.3 | 124.2 | 124.2 |
| 160° | 145.0 | 144.4 | 140.0 | 134.3 | 128.6 | 124.2 | 121.1 | 121.1 | 123.0 | 124.2 | 124.2 |
| 162.5° | 141.2 | 140.6 | 137.5 | 133.0 | 129.3 | 126.7 | 126.1 | 126.1 | 126.7 | 127.4 | 127.4 |
| 165° | 141.2 | 140.6 | 137.5 | 133.7 | 131.2 | 131.2 | 132.4 | 133.0 | 131.2 | 129.9 | 130.5 |
| 167.5° | 146.9 | 145.7 | 141.9 | 138.7 | 138.1 | 138.7 | 140.6 | 140.6 | 139.4 | 137.5 | 136.8 |
| 170° | 148.8 | 148.2 | 146.9 | 145.7 | 145.7 | 145.7 | 146.3 | 146.9 | 146.9 | 147.6 | 147.6 |
| 172.5° | 152.6 | 152.6 | 152.0 | 152.0 | 152.6 | 152.0 | 152.0 | 153.2 | 154.5 | 155.1 | 155.7 |
| 175° | 157.6 | 157.0 | 157.6 | 157.6 | 158.3 | 157.6 | 157.0 | 158.3 | 160.2 | 161.4 | 161.4 |
| 177.5° | 161.4 | 161.4 | 160.8 | 160.2 | 160.2 | 160.2 | 160.2 | 160.8 | 160.8 | 160.8 | 160.2 |
| 180° | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 | 162.1 |

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

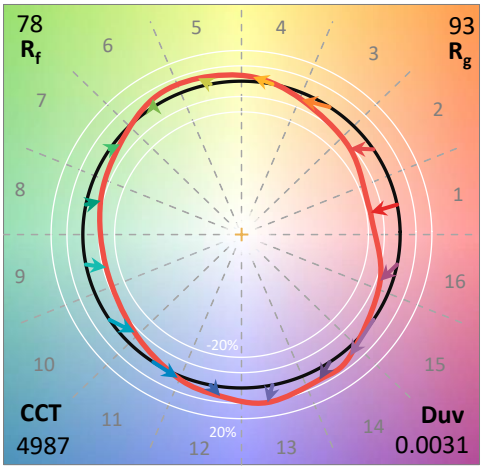
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2501-332-5 |
| 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-100-750-U-FR-T5** |
| Description: | FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5 |

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 4987 | CRI (Ra): | 75.8 | | |
| CIE u': | 0.2094 | R1: | 71.6 | R9: | -30.4 |
| CIE v': | 0.4882 | R2: | 82.8 | R10: | 59.9 |
| Duv: | 0.0031 | R3: | 91.2 | R11: | 70.9 |
| CIE x: | 0.3461 | R4: | 73.8 | R12: | 51.2 |
| CIE y: | 0.3586 | R5: | 73.0 | R13: | 74.2 |
| CIE z: | 0.2954 | R6: | 76.1 | R14: | 95.3 |
| Peak Wavelength (nm): | 450 | R7: | 82.9 | R15: | 63.7 |
| Dominant Wavelength (nm): | 570 | R8: | 54.9 | | |
| Purity: | 11.4 | | | | |

| | |
|---|---|
| Rf: | 78.3 |
| Rg: | 93.4 |




## Test Conditions

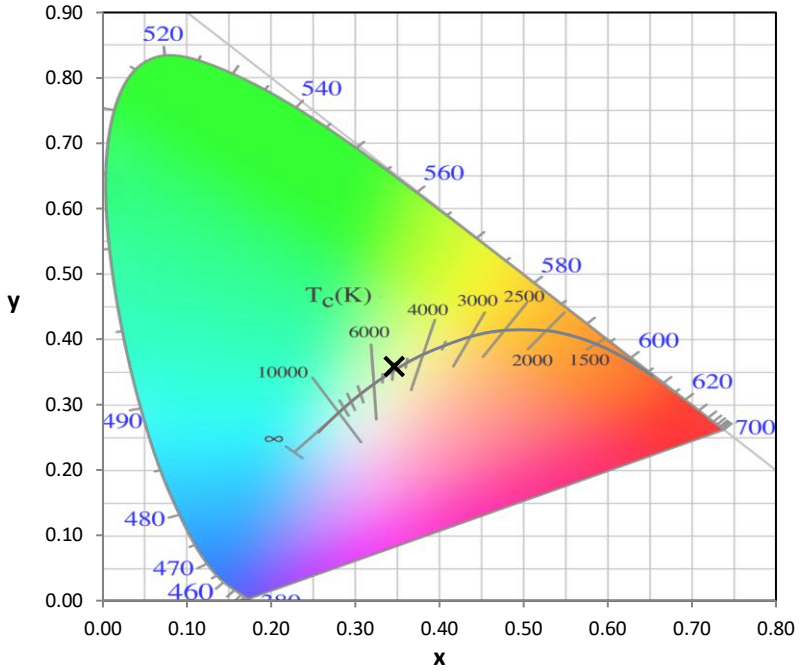
| | |
|---|---|
| Stabilization Time: | 67M |
| Operation Time: | 2H 7M |
| Sphere Temperature (°C): | 24.9 |

REPORT NUMBER: SP1-2501-332-5

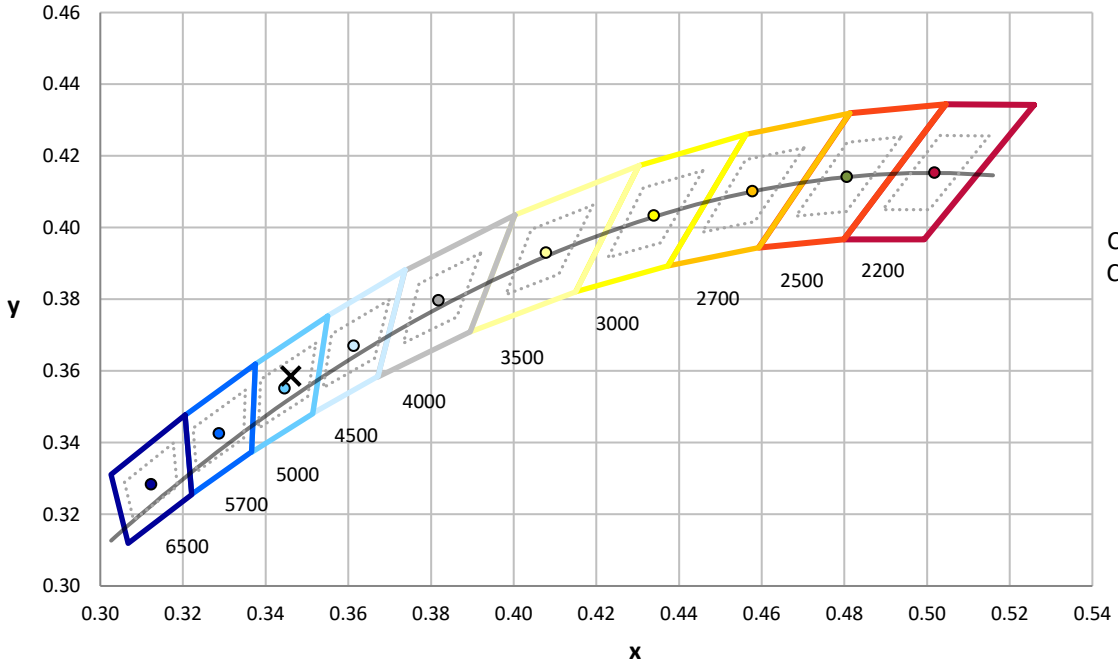
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 12/16/2024 | 6/16/2025 |
| Power Meter | INXT2011004 | 1/21/2025 | 1/21/2026 |
| AC Power Source | IN0063 | 10/22/2024 | 10/22/2025 |
| DC 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: SP1-2501-332-5

## CIE 1931 Chromaticity Diagram




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

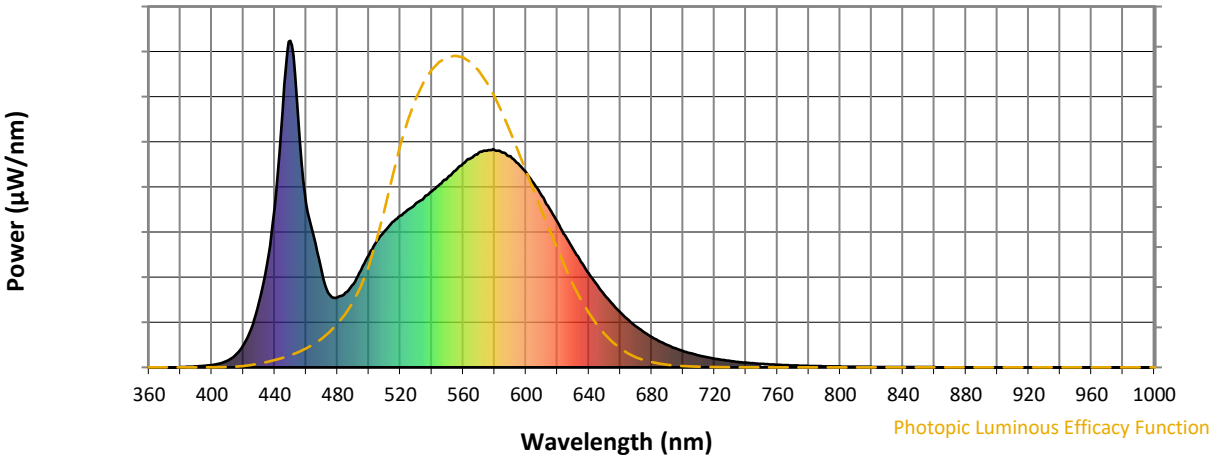



CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

## Photopic Flux vs. Wavelength

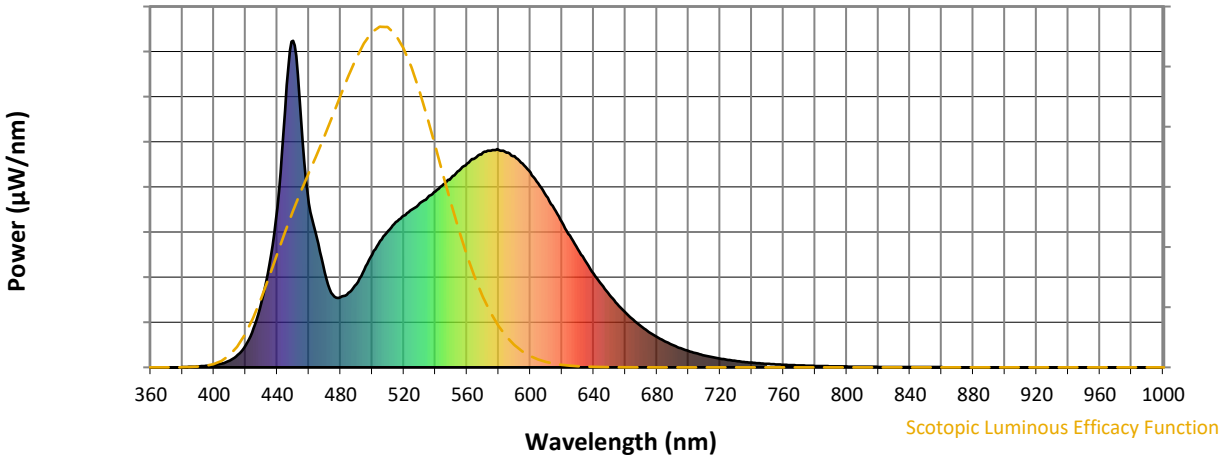



## Photopic Lumens: NR

| 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 | 255 | NR | 620 | 445 | NR | 750 | 11 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 298 | NR | 625 | 403 | NR | 755 | 9 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 345 | NR | 630 | 362 | NR | 760 | 8 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 387 | NR | 635 | 323 | NR | 765 | 7 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 417 | NR | 640 | 287 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 445 | NR | 645 | 254 | NR | 775 | 5 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 464 | NR | 650 | 222 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 483 | NR | 655 | 194 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 503 | NR | 660 | 168 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 12 | NR | 535 | 519 | NR | 665 | 146 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 21 | NR | 540 | 539 | NR | 670 | 126 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 38 | NR | 545 | 561 | NR | 675 | 108 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 68 | NR | 550 | 580 | NR | 680 | 93 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 119 | NR | 555 | 602 | NR | 685 | 80 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 199 | NR | 560 | 624 | NR | 690 | 69 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 315 | NR | 565 | 641 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 489 | NR | 570 | 657 | NR | 700 | 50 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 787 | NR | 575 | 663 | NR | 705 | 43 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 1000 | NR | 580 | 666 | NR | 710 | 36 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 757 | NR | 585 | 657 | NR | 715 | 31 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 503 | NR | 590 | 646 | NR | 720 | 27 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 398 | NR | 595 | 624 | NR | 725 | 23 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 290 | NR | 600 | 597 | NR | 730 | 20 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 222 | NR | 605 | 564 | NR | 735 | 17 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 215 | NR | 610 | 525 | NR | 740 | 14 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 228 | NR | 615 | 486 | NR | 745 | 12 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2501-332-5

## Scotopic Flux vs. Wavelength

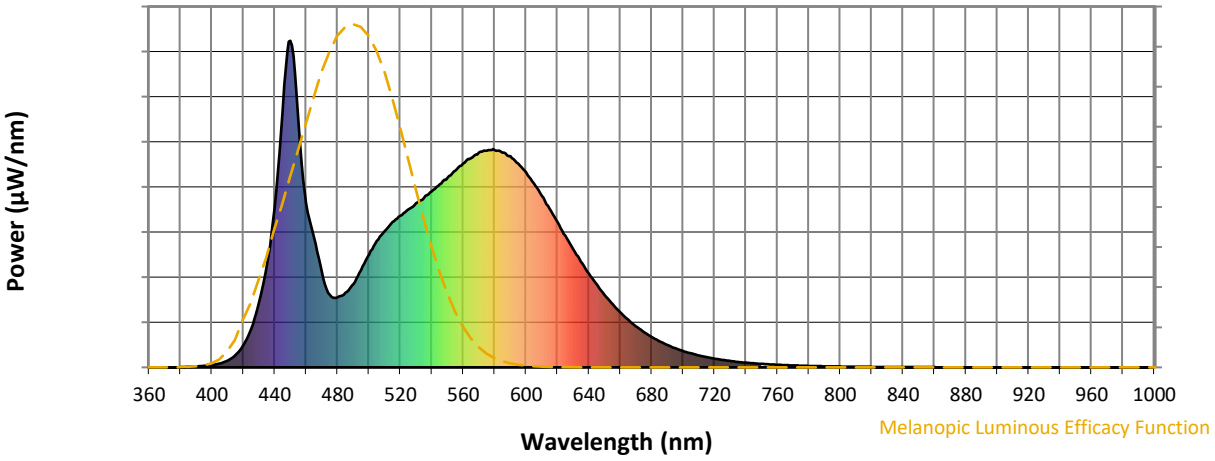



**Scotopic Lumens: NR** **S/P: 1.87**

| 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 | 255 | NR | 620 | 445 | NR | 750 | 11 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 298 | NR | 625 | 403 | NR | 755 | 9 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 345 | NR | 630 | 362 | NR | 760 | 8 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 387 | NR | 635 | 323 | NR | 765 | 7 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 417 | NR | 640 | 287 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 445 | NR | 645 | 254 | NR | 775 | 5 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 464 | NR | 650 | 222 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 483 | NR | 655 | 194 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 503 | NR | 660 | 168 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 12 | NR | 535 | 519 | NR | 665 | 146 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 21 | NR | 540 | 539 | NR | 670 | 126 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 38 | NR | 545 | 561 | NR | 675 | 108 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 68 | NR | 550 | 580 | NR | 680 | 93 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 119 | NR | 555 | 602 | NR | 685 | 80 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 199 | NR | 560 | 624 | NR | 690 | 69 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 315 | NR | 565 | 641 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 489 | NR | 570 | 657 | NR | 700 | 50 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 787 | NR | 575 | 663 | NR | 705 | 43 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 1000 | NR | 580 | 666 | NR | 710 | 36 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 757 | NR | 585 | 657 | NR | 715 | 31 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 503 | NR | 590 | 646 | NR | 720 | 27 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 398 | NR | 595 | 624 | NR | 725 | 23 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 290 | NR | 600 | 597 | NR | 730 | 20 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 222 | NR | 605 | 564 | NR | 735 | 17 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 215 | NR | 610 | 525 | NR | 740 | 14 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 228 | NR | 615 | 486 | NR | 745 | 12 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2501-332-5

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.92**

| 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 | 255 | NR | 620 | 445 | NR | 750 | 11 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 298 | NR | 625 | 403 | NR | 755 | 9 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 345 | NR | 630 | 362 | NR | 760 | 8 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 387 | NR | 635 | 323 | NR | 765 | 7 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 417 | NR | 640 | 287 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 445 | NR | 645 | 254 | NR | 775 | 5 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 464 | NR | 650 | 222 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 483 | NR | 655 | 194 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 503 | NR | 660 | 168 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 12 | NR | 535 | 519 | NR | 665 | 146 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 21 | NR | 540 | 539 | NR | 670 | 126 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 38 | NR | 545 | 561 | NR | 675 | 108 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 68 | NR | 550 | 580 | NR | 680 | 93 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 119 | NR | 555 | 602 | NR | 685 | 80 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 199 | NR | 560 | 624 | NR | 690 | 69 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 315 | NR | 565 | 641 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 489 | NR | 570 | 657 | NR | 700 | 50 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 787 | NR | 575 | 663 | NR | 705 | 43 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 1000 | NR | 580 | 666 | NR | 710 | 36 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 757 | NR | 585 | 657 | NR | 715 | 31 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 503 | NR | 590 | 646 | NR | 720 | 27 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 398 | NR | 595 | 624 | NR | 725 | 23 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 290 | NR | 600 | 597 | NR | 730 | 20 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 222 | NR | 605 | 564 | NR | 735 | 17 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 215 | NR | 610 | 525 | NR | 740 | 14 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 228 | NR | 615 | 486 | NR | 745 | 12 | NR | 875 | 0 | NR | | | |

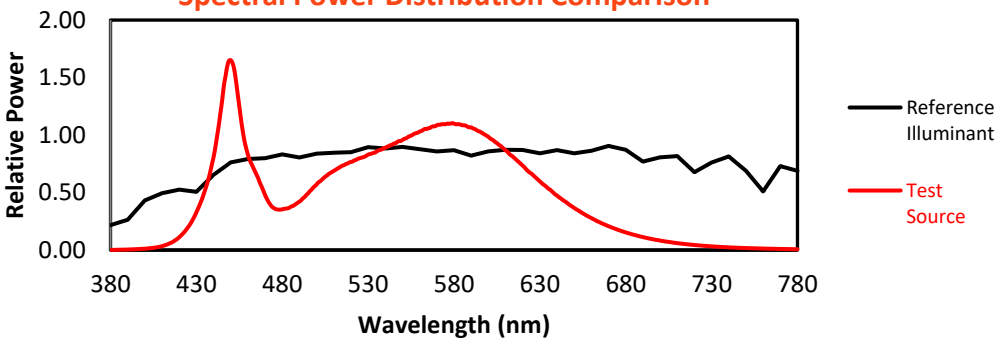
REPORT NUMBER: SP1-2501-332-5

# TM-30-18

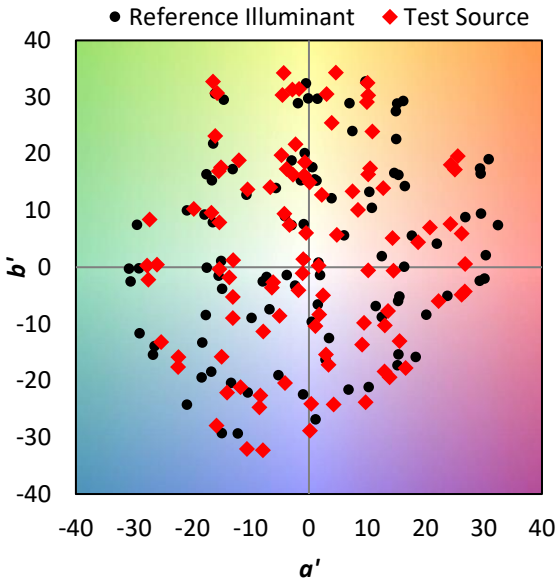
## Summary

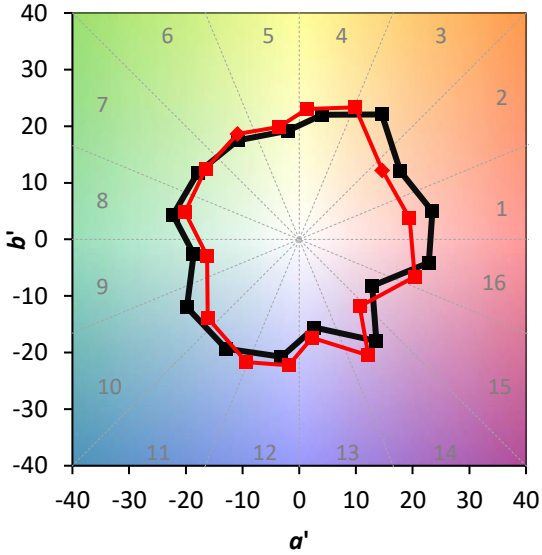
$R_f$ = 78.3
$R_g$ = 93.4
CIE $R_a$ = 75.8
$R_9$ = -30.4

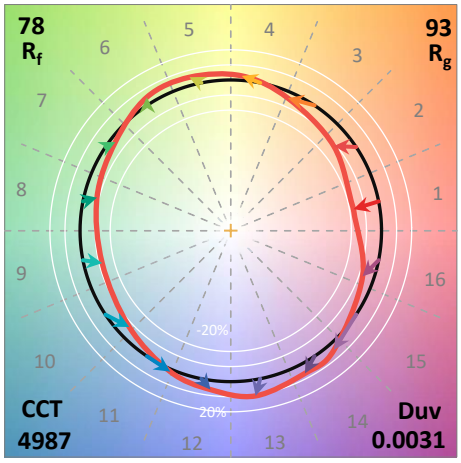
## Spectral Power Distribution Comparison

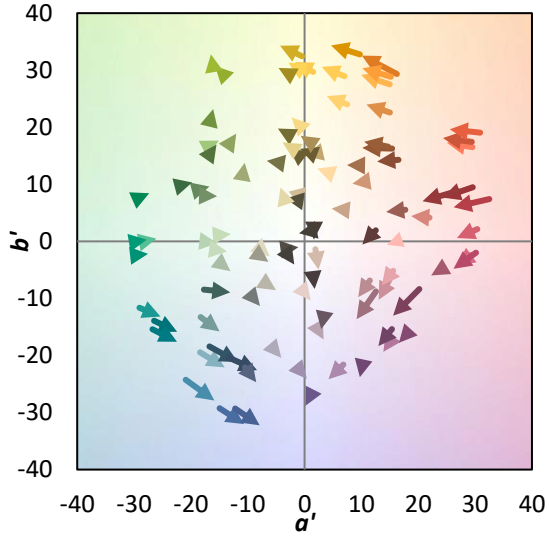



## Color Vector Graphics



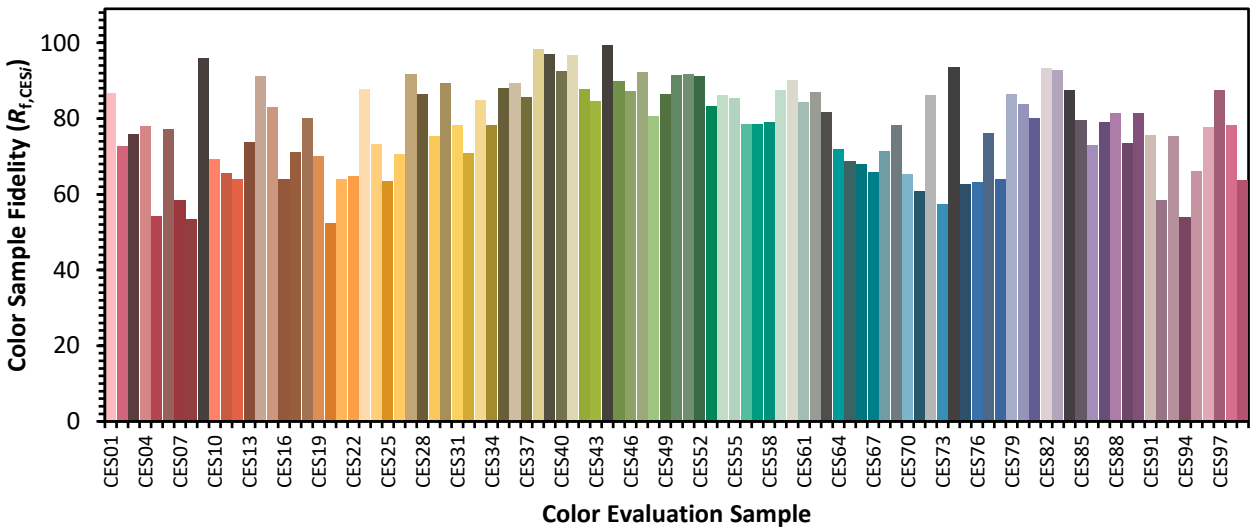



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**Individual Sample Fidelity Index ($R_{f,i}$)**

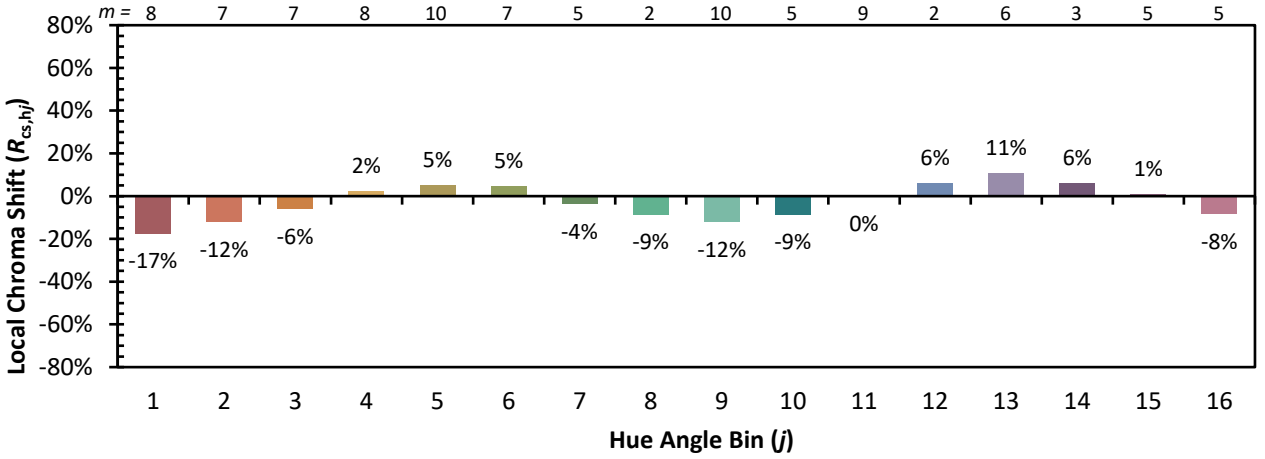
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 71 | CES51 = 92 | CES76 = 63 |
| CES02 = 60 | CES27 = 92 | CES52 = 91 | CES77 = 76 |
| CES03 = 30 | CES28 = 86 | CES53 = 83 | CES78 = 64 |
| CES04 = 69 | CES29 = 75 | CES54 = 86 | CES79 = 86 |
| CES05 = 46 | CES30 = 89 | CES55 = 85 | CES80 = 84 |
| CES06 = 50 | CES31 = 78 | CES56 = 79 | CES81 = 80 |
| CES07 = 39 | CES32 = 71 | CES57 = 78 | CES82 = 93 |
| CES08 = 38 | CES33 = 85 | CES58 = 79 | CES83 = 93 |
| CES09 = 29 | CES34 = 78 | CES59 = 88 | CES84 = 87 |
| CES10 = 73 | CES35 = 88 | CES60 = 90 | CES85 = 80 |
| CES11 = 56 | CES36 = 89 | CES61 = 84 | CES86 = 73 |
| CES12 = 61 | CES37 = 86 | CES62 = 87 | CES87 = 79 |
| CES13 = 41 | CES38 = 98 | CES63 = 82 | CES88 = 81 |
| CES14 = 74 | CES39 = 97 | CES64 = 72 | CES89 = 74 |
| CES15 = 70 | CES40 = 93 | CES65 = 69 | CES90 = 81 |
| CES16 = 46 | CES41 = 97 | CES66 = 68 | CES91 = 76 |
| CES17 = 49 | CES42 = 88 | CES67 = 66 | CES92 = 58 |
| CES18 = 55 | CES43 = 85 | CES68 = 71 | CES93 = 75 |
| CES19 = 71 | CES44 = 99 | CES69 = 78 | CES94 = 54 |
| CES20 = 64 | CES45 = 90 | CES70 = 65 | CES95 = 66 |
| CES21 = 85 | CES46 = 87 | CES71 = 61 | CES96 = 78 |
| CES22 = 77 | CES47 = 92 | CES72 = 86 | CES97 = 88 |
| CES23 = 91 | CES48 = 81 | CES73 = 57 | CES98 = 78 |
| CES24 = 90 | CES49 = 86 | CES74 = 93 | CES99 = 64 |
| CES25 = 71 | CES50 = 91 | CES75 = 63 | |

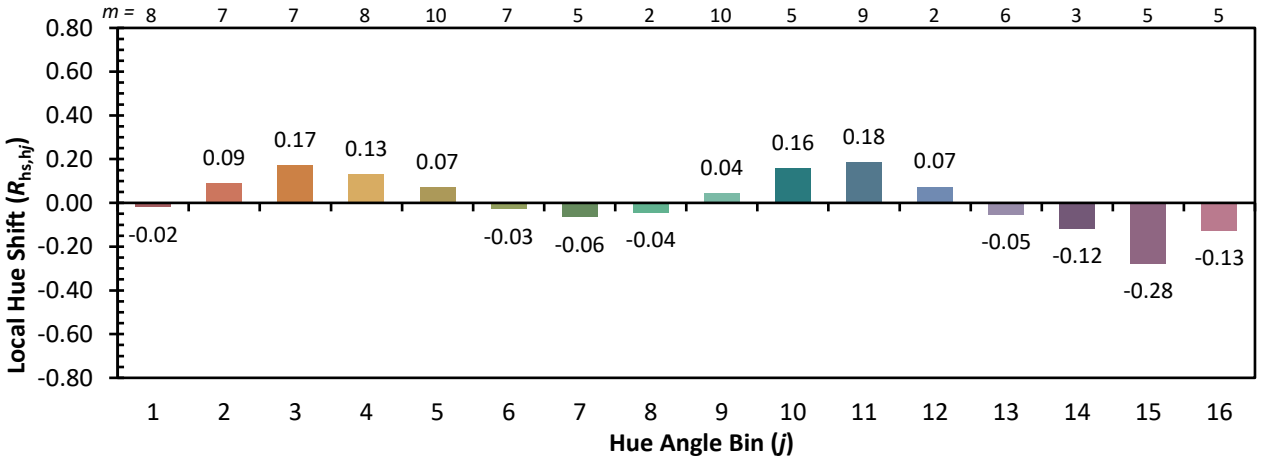


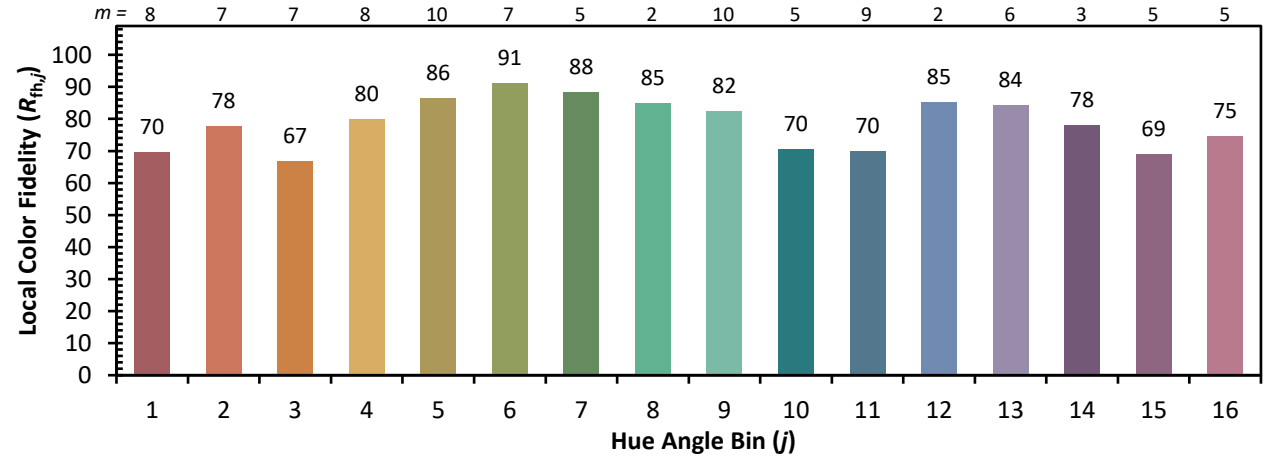
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## Color Rendition by Hue-Angle Bin



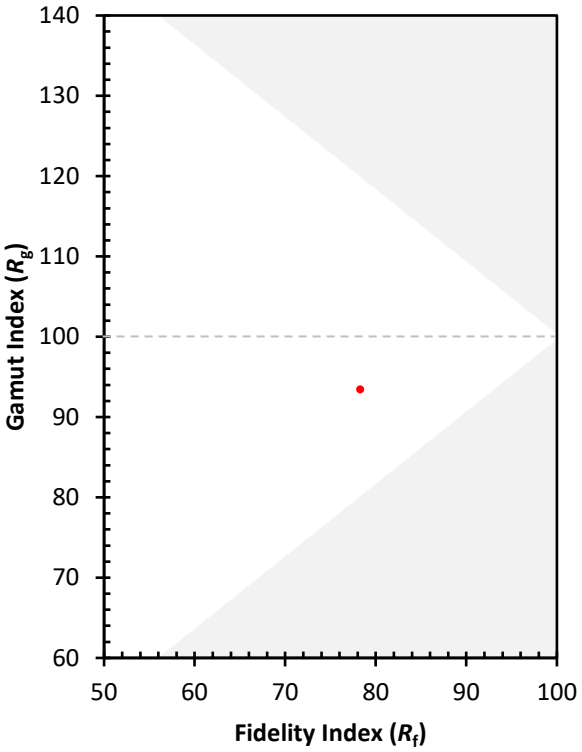



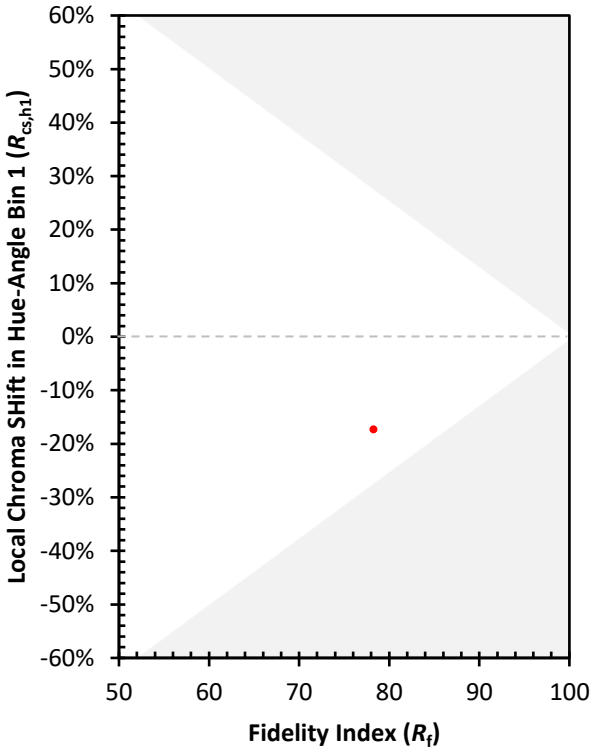



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## Measure Comparisons




(END OF REPORT)