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: P1045937

Luminaire Tested: **FFX-CLB-30-730-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: | P1045937 |
| Test Lab: | INNOVATION CENTER(G3) |
| Issue Date: | 07/01/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | FFX-CLB-30-730-U-FG-T5-HSS |
| Description: | FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD |
| Light Source: | (6) 3000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 3470 lumens |
| Efficiency: | N/A |
| Efficacy: | 113.4 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): | 30.6 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.99 |
| Total Harmonic Distortion (THDi): | 10.8% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

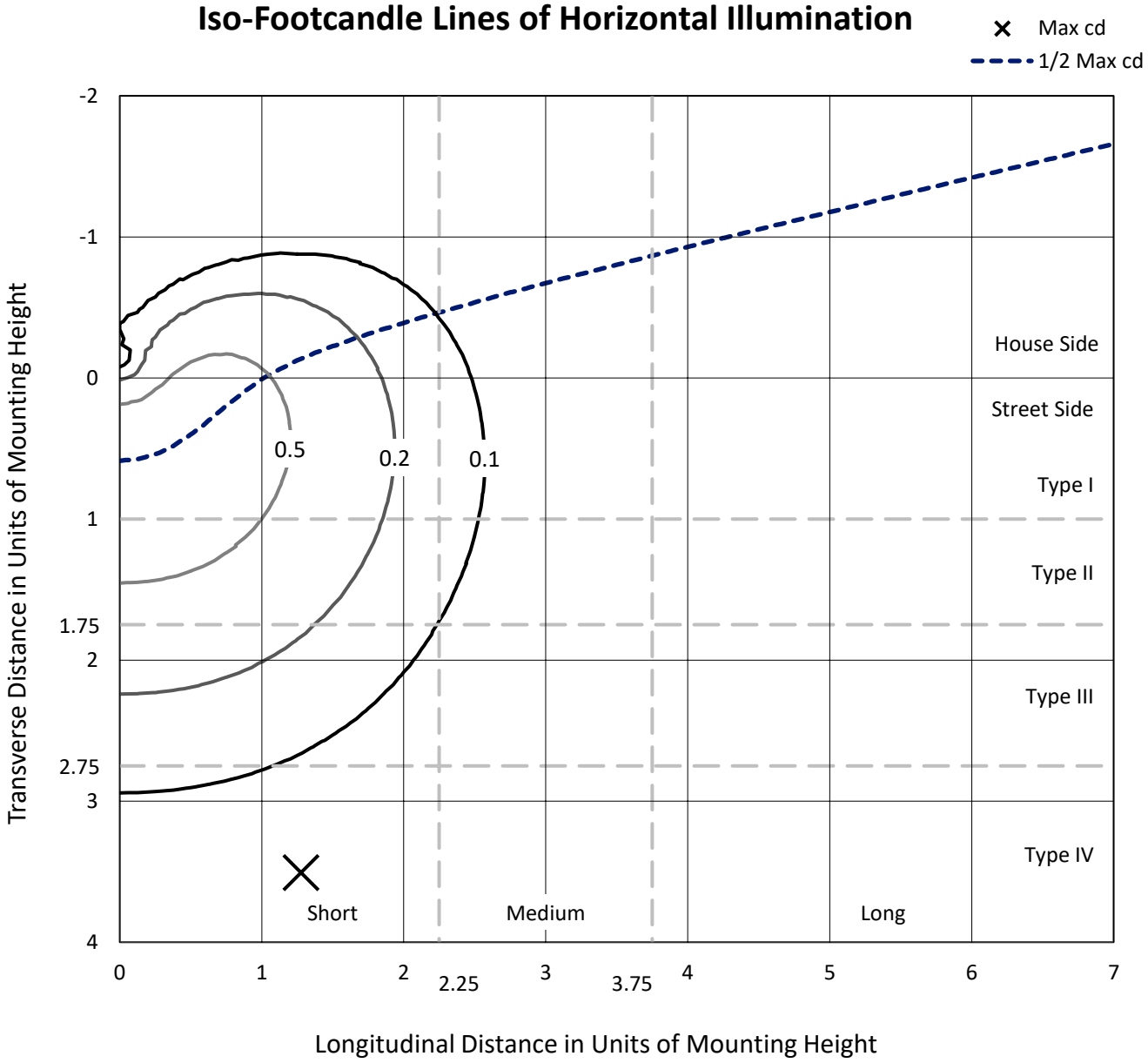


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REPORT NUMBER: P1045937
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## Iso-Footcandle Lines of Horizontal Illumination



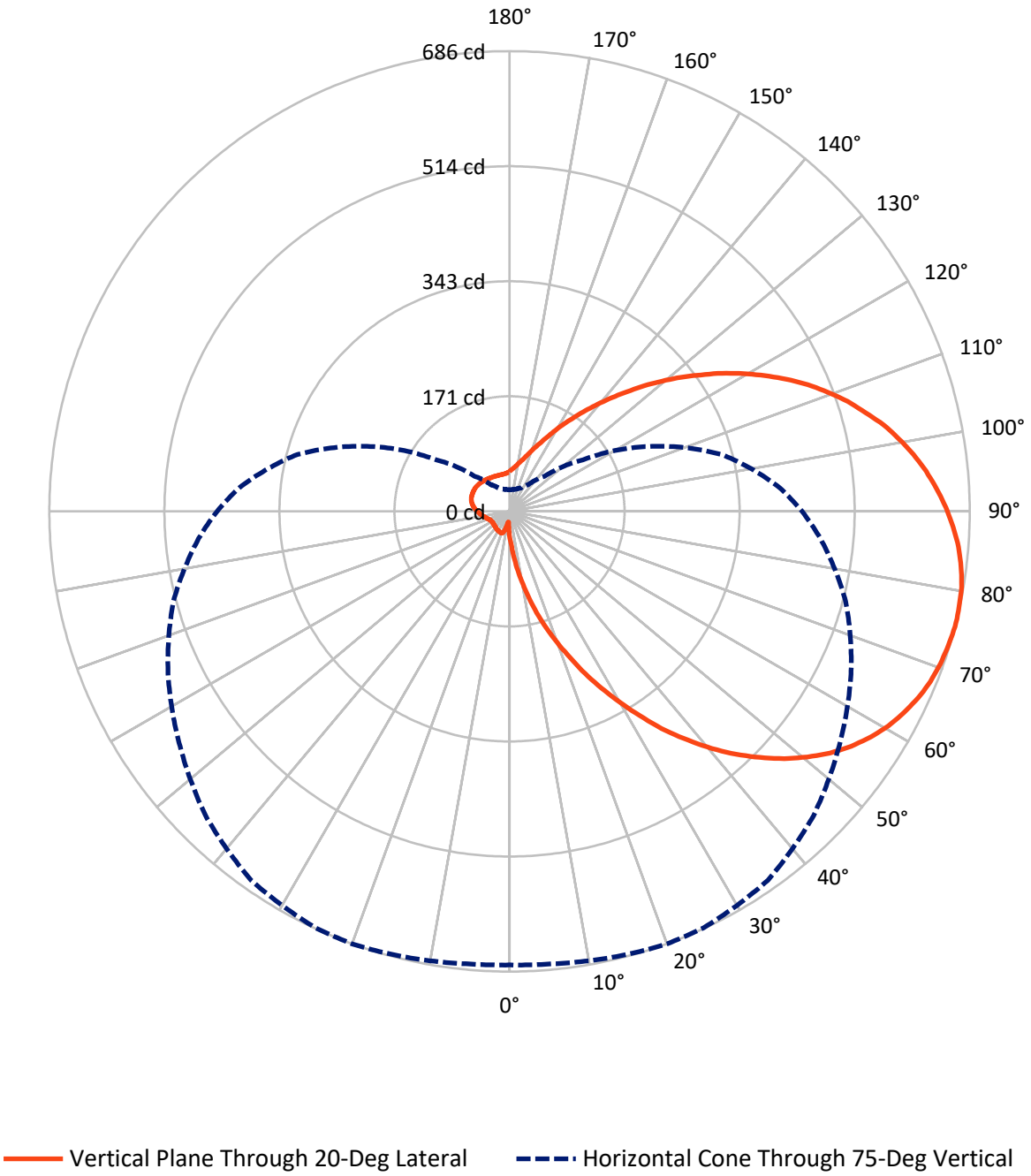

Based on 15 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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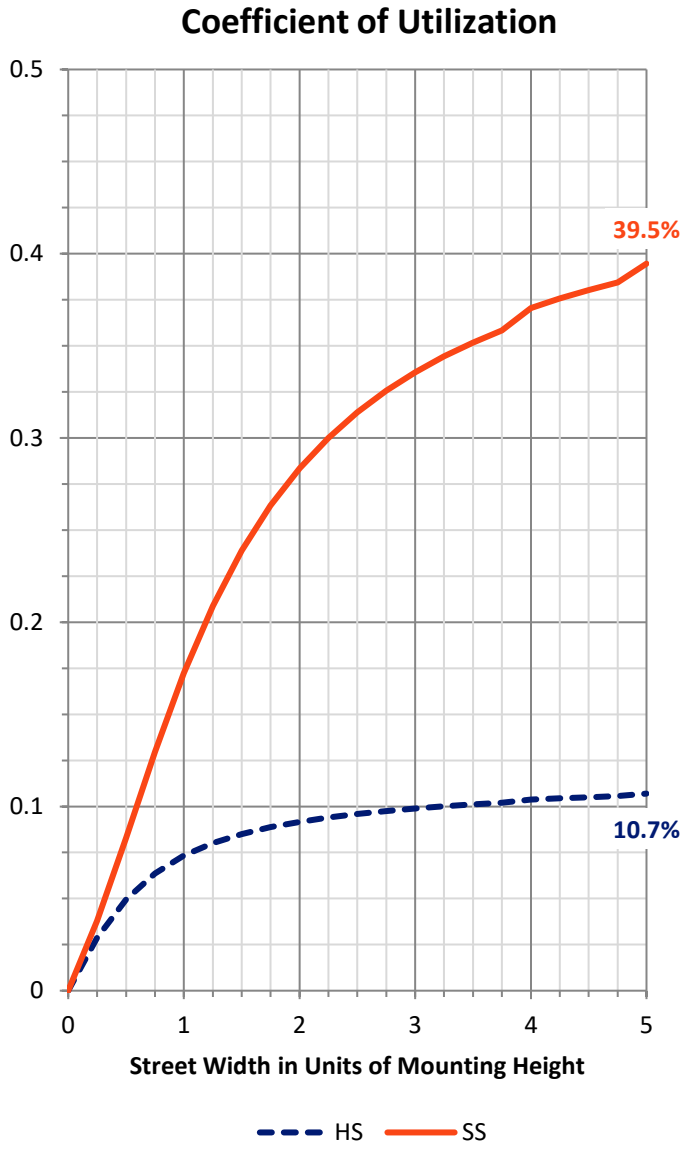
REPORT NUMBER: P1045937
CATALOG NUMBER: FFX-CLB-30-730-U-FG-T5-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 401.2 | 381.6 | 782.8 |
| | % Fixture | 11.6 | 11.0 | 22.6 |
| **Street Side** | Lumens | 1575.3 | 1111.9 | 2687.1 |
| | % Fixture | 45.4 | 32.0 | 77.4 |
| **Total** | Lumens | 1976.5 | 1493.5 | 3470.0 |
| | % Fixture | 57.0 | 43.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 4.9 | 0.1 |
| 10°-20° | 28.9 | 0.8 |
| 20°-30° | 76.7 | 2.2 |
| 30°-40° | 148.1 | 4.3 |
| 40°-50° | 232.0 | 6.7 |
| 50°-60° | 310.2 | 8.9 |
| 60°-70° | 367.5 | 10.6 |
| 70°-80° | 400.5 | 11.5 |
| 80°-90° | 407.7 | 11.7 |
| 90°-100° | 386.6 | 11.1 |
| 100°-110° | 341.8 | 9.9 |
| 110°-120° | 277.6 | 8.0 |
| 120°-130° | 204.3 | 5.9 |
| 130°-140° | 135.5 | 3.9 |
| 140°-150° | 79.8 | 2.3 |
| 150°-160° | 42.2 | 1.2 |
| 160°-170° | 19.9 | 0.6 |
| 170°-180° | 5.8 | 0.2 |
| 0°-90° | 1976.5 | 57.0 |
| 0°-180° | 3470.0 | 100.0 |



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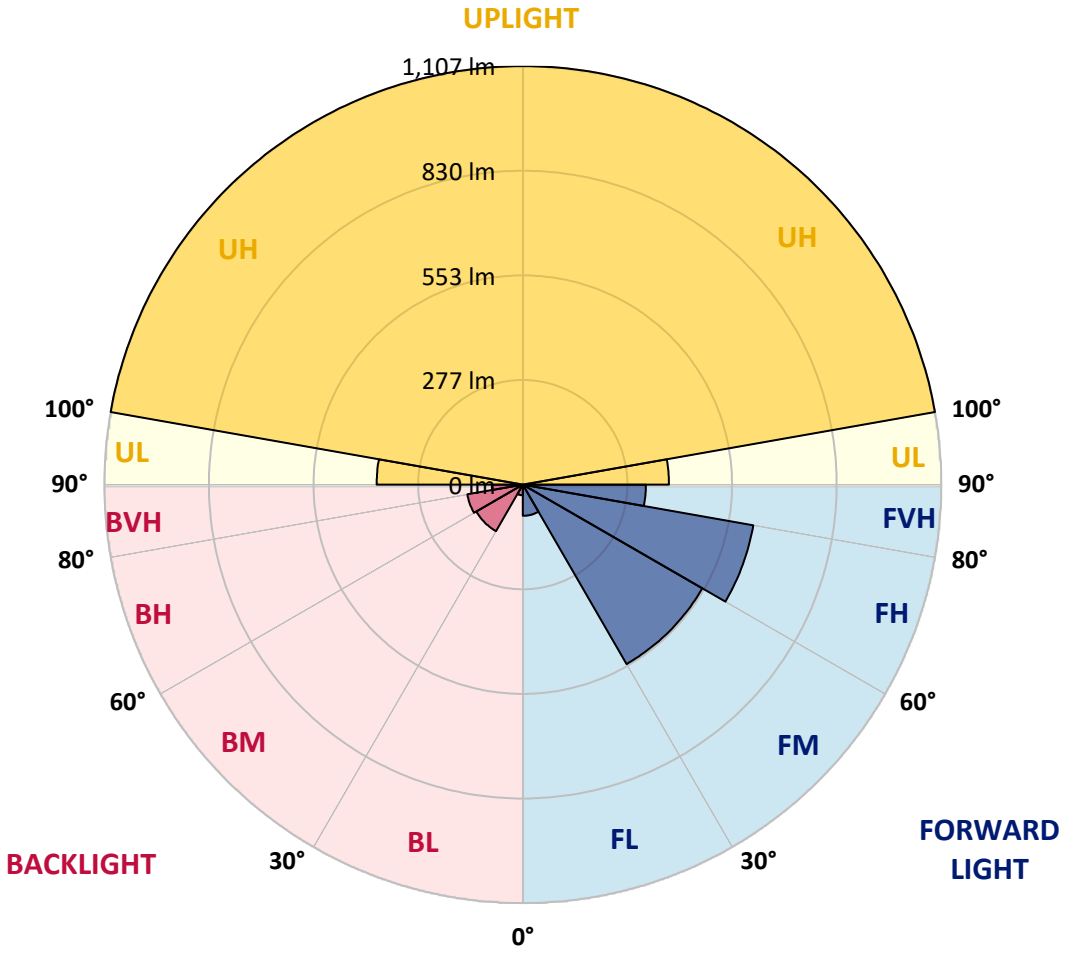
Scaled Data Report

REPORT NUMBER: P1045937
CATALOG NUMBER: FFX-CLB-30-730-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°) | 82.6 | 2.4 | | | |
| FM | (30°-60°) | 548.2 | 15.8 | | | |
| FH | (60°-80°) | 619.0 | 17.8 | | | G0/660 |
| FVH | (80°-90°) | 325.5 | 9.4 | | | G3/500 |
| BL | (0°-30°) | 28.0 | 0.8 | B0/110 | | |
| BM | (30°-60°) | 142.0 | 4.1 | B0/220 | | |
| BH | (60°-80°) | 149.0 | 4.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 82.2 | 2.4 | | | G1/100 |
| UL | (90°-100°) | 386.6 | 11.1 | | U3/500 | |
| UH | (100°-180°) | 1106.9 | 31.9 | | U5 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 39.7 | 39.7 | 39.7 | *39.7* | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 2.5° | 48.5 | 48.5 | 48.9 | *48.9* | 49.2 | 48.5 | 47.4 | 46.7 | 45.6 | 43.0 | 40.8 |
| 5° | 67.5 | 67.8 | 67.1 | *67.5* | 67.8 | 66.0 | 63.4 | 60.2 | 55.4 | 51.0 | 46.3 |
| 7.5° | 90.4 | 91.5 | 89.7 | *89.3* | 88.2 | 85.3 | 81.7 | 76.6 | 71.5 | 65.6 | 58.7 |
| 10° | 115.6 | 115.2 | 113.0 | *110.5* | 109.7 | 106.1 | 101.4 | 96.6 | 89.0 | 81.7 | 74.4 |
| 12.5° | 139.3 | 138.9 | 137.1 | *135.3* | 134.2 | 129.4 | 123.6 | 118.1 | 110.1 | 100.6 | 91.5 |
| 15° | 164.1 | 164.4 | 162.6 | *161.5* | 159.3 | 154.6 | 149.9 | 141.8 | 133.8 | 122.9 | 111.9 |
| 17.5° | 188.9 | 189.6 | 187.8 | *187.0* | 185.2 | 181.2 | 175.0 | 166.6 | 156.4 | 143.7 | 129.8 |
| 20° | 216.2 | 216.9 | 215.8 | *213.3* | 211.1 | 206.7 | 201.3 | 190.7 | 179.4 | 166.3 | 148.4 |
| 22.5° | 245.4 | 245.7 | 242.5 | *241.7* | 239.5 | 235.5 | 227.5 | 218.0 | 205.3 | 188.5 | 169.9 |
| 25° | 274.2 | 274.2 | 273.5 | *272.7* | 269.4 | 264.7 | 256.7 | 245.0 | 230.8 | 212.9 | 191.1 |
| 27.5° | 305.2 | 305.5 | 303.7 | *303.0* | 300.4 | 294.2 | 285.9 | 273.1 | 258.5 | 237.0 | 212.2 |
| 30° | 338.0 | 337.6 | 335.8 | *334.3* | 333.3 | 327.1 | 317.6 | 304.4 | 286.2 | 261.4 | 236.3 |
| 32.5° | 370.8 | 369.7 | 368.6 | *367.2* | 366.8 | 358.8 | 351.1 | 335.1 | 316.1 | 289.9 | 259.6 |
| 35° | 404.3 | 401.8 | 401.1 | *401.4* | 399.6 | 393.0 | 381.7 | 366.1 | 344.2 | 316.8 | 282.6 |
| 37.5° | 433.5 | 435.7 | 433.9 | *432.4* | 432.8 | 425.5 | 413.5 | 396.0 | 373.0 | 342.7 | 305.9 |
| 40° | 466.0 | 464.5 | 464.5 | *464.5* | 463.4 | 456.9 | 444.1 | 424.8 | 398.5 | 366.4 | 326.3 |
| 42.5° | 494.0 | 494.0 | 495.9 | *494.8* | 493.7 | 486.0 | 472.2 | 450.7 | 422.9 | 388.3 | 346.0 |
| 45° | 522.8 | 522.1 | 524.3 | *522.8* | 522.1 | 514.1 | 499.5 | 477.3 | 448.1 | 410.2 | 365.7 |
| 47.5° | 549.5 | 549.8 | 550.6 | *550.6* | 549.8 | 540.7 | 525.4 | 499.1 | 469.6 | 429.1 | 382.5 |
| 50° | 572.4 | 574.3 | 576.4 | *575.0* | 575.7 | 565.9 | 548.7 | 522.1 | 487.8 | 447.0 | 397.4 |
| 52.5° | 595.0 | 595.0 | 598.0 | *598.0* | 597.2 | 587.7 | 568.4 | 540.3 | 506.4 | 463.1 | 411.3 |
| 55° | 614.4 | 614.7 | 617.3 | *617.6* | 617.3 | 606.3 | 585.9 | 555.7 | 520.3 | 476.5 | 422.6 |
| 57.5° | 628.9 | 630.0 | 633.3 | *634.4* | 633.0 | 623.1 | 600.1 | 569.5 | 532.0 | 487.1 | 432.4 |
| 60° | 642.1 | 643.5 | 647.2 | *648.6* | 647.5 | 637.0 | 612.9 | 580.1 | 541.4 | 496.2 | 440.8 |
| 62.5° | 653.7 | 654.1 | 658.8 | *659.6* | 659.2 | 647.9 | 622.4 | 588.1 | 549.1 | 503.2 | 448.1 |
| 65° | 662.1 | 663.2 | 668.3 | *669.4* | 668.7 | 656.7 | 630.0 | 594.7 | 555.3 | 509.0 | 453.6 |
| 67.5° | 668.7 | 669.4 | 674.5 | *676.3* | 675.6 | 662.9 | 635.5 | 598.7 | 558.9 | 513.0 | 457.9 |
| 70° | 672.3 | 673.4 | 679.3 | *680.7* | 680.0 | 667.2 | 638.8 | 600.5 | 561.1 | 515.9 | 460.9 |
| 72.5° | 674.5 | 675.6 | 681.8 | *683.6* | 683.3 | 669.8 | 640.3 | 601.2 | 561.9 | 517.4 | 463.1 |
| 75° | *675.6* | *676.7* | *682.9* | *685.5* | *684.4* | *670.9* | *640.6* | *600.9* | *561.5* | *518.5* | *464.9* |
| 76° | 675.6 | 676.3 | 682.9 | *685.5* | 684.4 | 670.9 | 640.6 | 600.1 | 561.1 | 518.8 | 465.6 |
| 77.5° | 674.9 | 676.0 | 682.5 | *684.7* | 684.0 | 670.5 | 639.5 | 598.7 | 560.0 | 518.1 | 466.0 |
| 80° | 673.1 | 674.2 | 680.4 | *682.9* | 681.8 | 668.0 | 637.0 | 595.8 | 557.1 | 516.6 | 466.0 |
| 82.5° | 669.1 | 670.1 | 676.0 | *677.8* | 677.4 | 663.6 | 632.2 | 590.7 | 552.7 | 514.1 | 465.2 |
| 85° | 662.9 | 663.9 | 668.7 | *670.9* | 669.8 | 656.7 | 625.3 | 583.7 | 547.3 | 510.1 | 463.1 |
| 87.5° | 654.5 | 655.2 | 660.3 | *661.0* | 660.7 | 647.5 | 616.6 | 575.0 | 540.0 | 504.6 | 459.4 |
| 90° | 644.3 | 645.0 | 649.0 | *650.1* | 649.0 | 636.6 | 605.2 | 565.5 | 530.9 | 498.1 | 455.0 |
| 92.5° | 633.7 | 633.3 | 636.2 | *637.3* | 636.2 | 623.8 | 593.6 | 554.2 | 521.4 | 490.8 | 449.6 |
| 95° | 621.3 | 622.0 | 622.7 | *623.5* | 622.0 | 610.0 | 580.5 | 541.8 | 511.2 | 482.7 | 444.5 |
| 97.5° | 607.4 | 607.1 | 607.8 | *607.8* | 606.3 | 594.3 | 565.5 | 529.8 | 499.5 | 474.0 | 437.5 |
| 100° | 592.9 | 592.5 | 591.8 | *590.3* | 588.8 | 577.2 | 550.6 | 514.8 | 487.5 | 463.4 | 430.6 |
| 102.5° | 576.8 | 574.6 | 572.4 | *572.1* | 568.8 | 558.9 | 533.4 | 500.6 | 474.7 | 453.6 | 421.9 |
| 105° | 557.1 | 556.4 | 553.1 | *550.2* | 548.4 | 537.4 | 514.1 | 484.9 | 461.2 | 441.5 | 412.4 |
| 107.5° | 537.1 | 535.6 | 530.9 | *529.8* | 526.1 | 516.3 | 495.1 | 469.2 | 447.7 | 429.5 | 401.1 |

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CATALOG NUMBER: FFX-CLB-30-730-U-FG-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 515.6 | 514.8 | 509.7 | *506.4* | 503.5 | 492.6 | 474.4 | 452.5 | 432.8 | 416.0 | 388.3 |
| 112.5° | 491.5 | 490.8 | 485.3 | *482.7* | 478.4 | 470.0 | 452.8 | 433.2 | 416.4 | 401.1 | 374.5 |
| 115° | 467.1 | 466.7 | 460.5 | *457.2* | 453.2 | 443.0 | 429.1 | 413.8 | 398.9 | 383.6 | 357.7 |
| 117.5° | 442.6 | 440.8 | 434.6 | *430.6* | 426.6 | 417.5 | 406.2 | 394.1 | 380.3 | 366.1 | 340.5 |
| 120° | 414.9 | 414.6 | 407.6 | *404.3* | 400.7 | 392.3 | 382.5 | 371.2 | 360.2 | 346.0 | 323.4 |
| 122.5° | 388.3 | 387.9 | 381.7 | *377.7* | 373.0 | 366.4 | 358.4 | 349.7 | 339.8 | 326.0 | 303.7 |
| 125° | 361.3 | 360.6 | 354.0 | *350.0* | 346.0 | 340.5 | 332.9 | 326.7 | 318.7 | 305.5 | 284.4 |
| 127.5° | 334.0 | 332.5 | 328.5 | *324.5* | 320.1 | 313.2 | 310.6 | 305.2 | 296.4 | 283.7 | 265.1 |
| 130° | 308.5 | 307.7 | 302.3 | *298.6* | 294.2 | 288.8 | 286.6 | 282.2 | 276.0 | 264.3 | 246.8 |
| 132.5° | 281.8 | 281.1 | 277.8 | *274.2* | 270.5 | 265.1 | 264.0 | 260.0 | 253.8 | 244.3 | 227.9 |
| 135° | 258.1 | 257.4 | 253.8 | *249.8* | 247.9 | 243.9 | 242.5 | 239.2 | 233.3 | 223.9 | 209.6 |
| 137.5° | 235.2 | 234.8 | 231.2 | *227.9* | 225.7 | 222.8 | 221.3 | 218.4 | 214.0 | 205.6 | 192.5 |
| 140° | 214.4 | 212.6 | 209.6 | *206.7* | 204.5 | 201.6 | 200.9 | 198.3 | 195.1 | 187.0 | 177.6 |
| 142.5° | 193.6 | 192.5 | 190.3 | *187.8* | 186.3 | 183.0 | 181.2 | 180.1 | 175.7 | 169.5 | 161.9 |
| 145° | 173.2 | 173.2 | 171.4 | *169.5* | 167.4 | 165.2 | 163.7 | 162.6 | 159.0 | 153.5 | 146.2 |
| 147.5° | 156.1 | 156.1 | 154.6 | *153.9* | 152.0 | 149.1 | 148.0 | 146.9 | 143.7 | 139.3 | 133.4 |
| 150° | 141.5 | 140.7 | 139.6 | *138.6* | 137.1 | 134.5 | 132.7 | 131.6 | 129.1 | 125.8 | 120.3 |
| 152.5° | 126.9 | 126.9 | 126.2 | *124.7* | 123.6 | 121.8 | 120.3 | 118.9 | 117.0 | 113.4 | 109.0 |
| 155° | 114.5 | 114.5 | 113.4 | *112.7* | 111.9 | 110.5 | 109.0 | 107.6 | 105.4 | 102.5 | 99.2 |
| 157.5° | 104.3 | 104.3 | 103.5 | *103.2* | 101.7 | 101.0 | 99.5 | 98.1 | 95.9 | 93.3 | 90.4 |
| 160° | 94.8 | 95.2 | 94.8 | *94.4* | 93.3 | 92.2 | 90.8 | 89.3 | 87.5 | 85.3 | 83.1 |
| 162.5° | 87.1 | 87.5 | 86.8 | *86.4* | 85.7 | 84.6 | 83.1 | 82.4 | 80.9 | 78.4 | 76.2 |
| 165° | 80.6 | 80.6 | 80.2 | *79.8* | 79.5 | 78.0 | 77.3 | 76.6 | 75.1 | 73.3 | 71.5 |
| 167.5° | 75.5 | 75.5 | 75.1 | *75.1* | 74.4 | 73.7 | 72.6 | 71.8 | 70.4 | 69.3 | 67.1 |
| 170° | 71.1 | 71.1 | 70.7 | *70.4* | 70.0 | 69.3 | 68.5 | 67.5 | 66.7 | 65.3 | 64.2 |
| 172.5° | 67.5 | 67.5 | 67.1 | *66.7* | 66.7 | 65.6 | 65.3 | 64.5 | 63.8 | 62.7 | 61.6 |
| 175° | 64.5 | 64.2 | 64.2 | *63.8* | 63.4 | 62.7 | 62.3 | 62.0 | 61.3 | 60.9 | 60.2 |
| 177.5° | 62.0 | 62.0 | 61.6 | *61.6* | 61.3 | 60.5 | 60.5 | 60.2 | 59.8 | 59.4 | 59.1 |
| 180° | 58.7 | 58.7 | 58.7 | *58.7* | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 2.5° | 39.7 | 38.6 | 35.7 | 33.2 | 31.4 | 28.8 | 26.6 | 25.9 | 25.5 | 25.2 | 25.2 |
| 5° | 43.8 | 41.6 | 36.5 | 31.7 | 27.3 | 23.7 | 20.4 | 17.1 | 14.6 | 13.1 | 12.4 |
| 7.5° | 55.1 | 52.5 | 45.6 | 39.4 | 33.2 | 27.7 | 22.2 | 18.2 | 14.6 | 12.4 | 12.4 |
| 10° | 70.0 | 66.4 | 57.6 | 48.9 | 41.2 | 33.2 | 26.6 | 21.1 | 17.9 | 16.0 | 16.0 |
| 12.5° | 85.7 | 80.9 | 70.7 | 59.4 | 48.9 | 39.7 | 31.7 | 25.9 | 22.2 | 20.8 | 20.8 |
| 15° | 104.3 | 98.1 | 85.0 | 70.7 | 58.0 | 47.0 | 37.9 | 31.4 | 27.0 | 25.2 | 24.8 |
| 17.5° | 122.1 | 114.1 | 98.4 | 82.4 | 67.1 | 54.0 | 43.4 | 35.0 | 30.3 | 27.7 | 27.3 |
| 20° | 141.1 | 131.3 | 112.7 | 93.0 | 75.5 | 59.4 | 46.7 | 37.6 | 31.4 | 28.4 | 28.1 |
| 22.5° | 158.6 | 148.0 | 125.8 | 102.8 | 82.0 | 63.4 | 48.5 | 37.9 | 31.0 | 27.7 | 27.3 |
| 25° | 178.7 | 166.6 | 140.4 | 113.4 | 89.0 | 66.7 | 50.0 | 37.9 | 30.6 | 27.0 | 26.6 |
| 27.5° | 199.1 | 184.9 | 155.3 | 124.0 | 95.2 | 70.4 | 51.0 | 37.9 | 29.9 | 26.3 | 25.9 |
| 30° | 220.6 | 204.9 | 169.5 | 134.9 | 101.7 | 73.3 | 52.1 | 37.6 | 29.5 | 25.5 | 25.2 |
| 32.5° | 242.5 | 224.2 | 185.2 | 145.5 | 108.3 | 76.2 | 52.9 | 37.6 | 28.8 | 25.2 | 24.4 |
| 35° | 264.7 | 243.6 | 200.9 | 156.4 | 114.1 | 78.8 | 53.2 | 37.2 | 28.4 | 24.4 | 24.1 |
| 37.5° | 284.4 | 262.5 | 215.5 | 166.3 | 119.6 | 80.6 | 53.6 | 36.8 | 28.1 | 24.1 | 23.7 |
| 40° | 304.4 | 280.7 | 229.3 | 175.0 | 123.6 | 81.7 | 53.2 | 36.5 | 27.3 | 23.7 | 23.3 |
| 42.5° | 322.7 | 297.2 | 242.1 | 183.4 | 127.2 | 82.8 | 52.9 | 35.7 | 27.0 | 23.3 | 23.0 |
| 45° | 340.2 | 313.2 | 254.1 | 190.7 | 130.5 | 83.1 | 52.1 | 35.4 | 26.6 | 23.3 | 23.0 |
| 47.5° | 356.2 | 327.1 | 265.8 | 197.6 | 133.4 | 83.1 | 51.8 | 34.6 | 26.6 | 23.3 | 23.0 |
| 50° | 369.7 | 340.9 | 275.3 | 203.8 | 135.3 | 82.8 | 51.0 | 34.3 | 26.6 | 23.3 | 23.0 |
| 52.5° | 382.8 | 352.2 | 284.8 | 208.6 | 136.4 | 82.0 | 50.0 | 33.9 | 26.6 | 23.7 | 23.3 |
| 55° | 393.4 | 362.4 | 292.8 | 213.7 | 137.5 | 81.3 | 49.2 | 33.5 | 26.6 | 23.7 | 23.7 |
| 57.5° | 402.5 | 370.8 | 299.0 | 216.9 | 137.5 | 79.8 | 48.5 | 33.5 | 27.0 | 24.4 | 24.1 |
| 60° | 411.3 | 378.5 | 305.5 | 219.9 | 137.5 | 78.8 | 47.8 | 33.5 | 27.3 | 24.8 | 24.4 |
| 62.5° | 417.1 | 384.7 | 310.6 | 222.4 | 136.7 | 77.7 | 47.0 | 33.5 | 27.7 | 25.5 | 25.2 |
| 65° | 422.9 | 390.5 | 315.4 | 224.6 | 136.4 | 76.6 | 47.0 | 33.9 | 28.4 | 26.6 | 26.3 |
| 67.5° | 427.3 | 395.2 | 318.7 | 226.1 | 135.6 | 75.5 | 46.7 | 34.6 | 29.5 | 27.7 | 27.3 |
| 70° | 431.0 | 398.9 | 322.7 | 227.2 | 134.9 | 74.7 | 47.0 | 35.7 | 30.6 | 28.8 | 28.8 |
| 72.5° | 433.9 | 402.2 | 324.9 | 228.2 | 134.2 | 74.4 | 47.8 | 36.8 | 32.5 | 30.6 | 30.3 |
| 75° | *435.7* | *404.0* | *327.1* | *228.6* | *133.4* | *74.0* | *48.5* | *38.3* | *33.9* | *32.5* | *32.1* |
| 76° | 436.1 | 404.7 | 327.8 | 229.0 | 133.1 | 74.0 | 48.9 | 38.6 | 34.6 | 33.2 | 32.8 |
| 77.5° | 437.2 | 405.8 | 328.5 | 229.0 | 132.7 | 74.0 | 49.6 | 39.7 | 35.7 | 34.3 | 34.3 |
| 80° | 437.9 | 406.5 | 329.6 | 229.3 | 132.0 | 74.0 | 50.7 | 41.6 | 37.9 | 36.5 | 36.1 |
| 82.5° | 437.5 | 406.9 | 330.0 | 228.6 | 131.6 | 74.4 | 52.1 | 43.4 | 40.1 | 38.6 | 38.3 |
| 85° | 436.1 | 405.8 | 329.2 | 227.5 | 130.5 | 75.1 | 53.6 | 45.6 | 41.9 | 40.5 | 40.5 |
| 87.5° | 433.5 | 403.3 | 327.4 | 226.1 | 129.8 | 75.5 | 55.1 | 47.4 | 44.1 | 42.7 | 42.7 |
| 90° | 429.9 | 400.3 | 325.2 | 224.6 | 128.7 | 75.8 | 56.9 | 49.2 | 46.3 | 45.2 | 44.8 |
| 92.5° | 425.5 | 396.7 | 322.3 | 222.4 | 128.0 | 76.6 | 58.3 | 51.4 | 48.5 | 47.0 | 47.0 |
| 95° | 421.1 | 392.7 | 319.0 | 219.9 | 127.2 | 77.7 | 59.8 | 53.2 | 50.3 | 49.2 | 49.2 |
| 97.5° | 414.9 | 387.2 | 314.7 | 216.9 | 126.2 | 78.0 | 61.6 | 55.1 | 52.5 | 51.0 | 51.0 |
| 100° | 407.3 | 381.0 | 309.6 | 214.0 | 125.4 | 79.1 | 63.1 | 56.9 | 54.3 | 53.2 | 52.9 |
| 102.5° | 399.6 | 373.7 | 304.1 | 210.7 | 124.3 | 79.5 | 64.5 | 58.7 | 55.8 | 54.7 | 54.7 |
| 105° | 390.9 | 365.7 | 297.2 | 206.4 | 123.2 | 80.2 | 65.6 | 59.8 | 57.2 | 56.1 | 55.8 |
| 107.5° | 380.6 | 355.5 | 290.2 | 202.4 | 122.1 | 80.9 | 66.7 | 60.9 | 58.3 | 57.2 | 56.9 |

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

Scaled Data Report

REPORT NUMBER: P1045937
CATALOG NUMBER: FFX-CLB-30-730-U-FG-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 369.0 | 346.0 | 281.8 | 198.0 | 121.4 | 82.0 | 67.8 | 61.6 | 59.1 | 57.6 | 57.6 |
| 112.5° | 355.5 | 332.5 | 272.7 | 192.9 | 121.4 | 83.5 | 68.5 | 62.3 | 59.4 | 58.0 | 58.0 |
| 115° | 339.4 | 318.3 | 261.8 | 188.1 | 121.0 | 85.0 | 70.0 | 62.7 | 59.4 | 58.3 | 58.0 |
| 117.5° | 323.8 | 303.4 | 250.8 | 183.4 | 122.1 | 87.5 | 71.5 | 63.4 | 59.4 | 58.0 | 58.0 |
| 120° | 306.3 | 287.7 | 239.5 | 178.7 | 123.6 | 90.1 | 73.3 | 63.8 | 59.4 | 57.6 | 57.6 |
| 122.5° | 288.0 | 270.9 | 228.6 | 174.3 | 124.7 | 93.0 | 74.7 | 64.5 | 59.1 | 57.2 | 56.9 |
| 125° | 270.9 | 253.8 | 216.2 | 169.9 | 125.8 | 95.5 | 76.6 | 64.9 | 58.7 | 56.5 | 56.1 |
| 127.5° | 251.9 | 238.8 | 205.3 | 165.2 | 126.5 | 97.7 | 78.0 | 65.3 | 58.3 | 55.8 | 55.4 |
| 130° | 235.5 | 222.8 | 194.3 | 160.1 | 125.8 | 98.4 | 78.4 | 64.9 | 57.6 | 55.1 | 55.1 |
| 132.5° | 217.3 | 207.1 | 182.3 | 153.5 | 124.0 | 98.4 | 78.8 | 64.9 | 57.2 | 54.7 | 54.3 |
| 135° | 201.3 | 191.8 | 171.0 | 146.2 | 120.7 | 97.0 | 78.0 | 64.5 | 56.9 | 54.3 | 54.0 |
| 137.5° | 186.3 | 177.2 | 159.0 | 138.6 | 115.9 | 94.4 | 76.6 | 63.8 | 56.5 | 54.0 | 53.6 |
| 140° | 170.3 | 163.7 | 148.0 | 130.2 | 110.8 | 91.5 | 74.7 | 63.1 | 56.5 | 54.0 | 53.6 |
| 142.5° | 155.7 | 150.2 | 136.0 | 121.0 | 104.3 | 87.1 | 72.6 | 62.0 | 56.1 | 54.0 | 53.6 |
| 145° | 142.6 | 136.4 | 125.4 | 111.9 | 97.7 | 83.1 | 70.4 | 61.3 | 55.8 | 54.0 | 53.6 |
| 147.5° | 129.8 | 124.3 | 115.2 | 103.5 | 91.9 | 79.1 | 68.2 | 60.2 | 55.8 | 54.0 | 53.6 |
| 150° | 117.0 | 113.4 | 105.4 | 95.9 | 85.3 | 75.1 | 66.0 | 59.4 | 55.8 | 54.3 | 54.0 |
| 152.5° | 106.1 | 103.5 | 96.6 | 89.0 | 79.8 | 71.1 | 63.8 | 58.7 | 55.8 | 54.3 | 54.3 |
| 155° | 97.0 | 94.4 | 88.6 | 81.7 | 75.1 | 67.8 | 62.3 | 58.0 | 55.8 | 54.7 | 54.3 |
| 157.5° | 87.9 | 86.0 | 81.3 | 76.2 | 70.7 | 65.3 | 60.9 | 57.6 | 55.8 | 54.7 | 54.7 |
| 160° | 80.9 | 79.1 | 75.5 | 71.5 | 67.1 | 63.1 | 59.4 | 56.9 | 55.8 | 55.1 | 55.1 |
| 162.5° | 75.1 | 73.7 | 70.7 | 67.5 | 64.2 | 60.9 | 58.3 | 56.5 | 55.8 | 55.1 | 55.1 |
| 165° | 70.4 | 69.3 | 66.7 | 64.2 | 62.0 | 59.4 | 57.6 | 56.5 | 55.8 | 55.4 | 55.4 |
| 167.5° | 66.4 | 65.6 | 63.8 | 62.0 | 60.2 | 58.3 | 56.9 | 56.1 | 55.8 | 55.8 | 55.8 |
| 170° | 63.4 | 62.7 | 61.6 | 60.2 | 58.7 | 57.6 | 56.5 | 56.1 | 56.1 | 55.8 | 56.1 |
| 172.5° | 61.3 | 60.9 | 59.8 | 58.7 | 58.0 | 56.9 | 56.5 | 56.1 | 56.5 | 56.5 | 56.5 |
| 175° | 59.8 | 59.4 | 58.7 | 58.0 | 57.6 | 56.9 | 56.9 | 56.5 | 56.9 | 57.2 | 57.2 |
| 177.5° | 58.7 | 58.3 | 58.0 | 58.0 | 57.6 | 57.2 | 57.2 | 57.6 | 58.0 | 58.0 | 58.0 |
| 180° | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

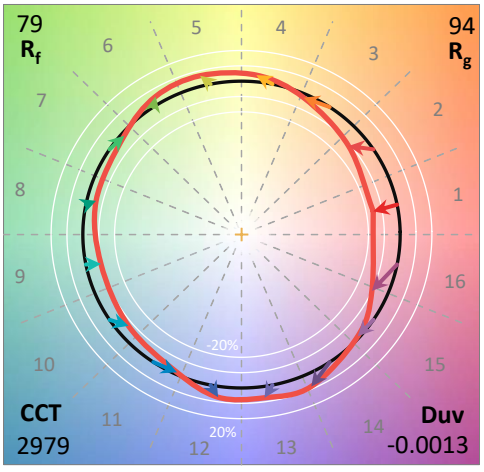
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2501-332-9 |
| 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-20-730-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): | 2979 |
| CIE u': | 0.2518 |
| CIE v': | 0.5199 |
| Duv: | -0.0013 |
| CIE x: | 0.4365 |
| CIE y: | 0.4006 |
| CIE z: | 0.1630 |
| Peak Wavelength (nm): | 599 |
| Dominant Wavelength (nm): | 583 |
| Purity: | 51.24251 |
| Rf: | 79.2 |
| Rg: | 94.4 |

| | | | | | |
|---|---|---|---|---|---|
| CRI (Ra): | 75.1 | | | | |
| R1: | 72.0 | R9: | -26.5 |
| R2: | 87.0 | R10: | 72.2 |
| R3: | 93.5 | R11: | 69.1 |
| R4: | 71.3 | R12: | 66.7 |
| R5: | 73.0 | R13: | 75.2 |
| R6: | 83.8 | R14: | 96.7 |
| R7: | 76.4 | R15: | 63.2 |
| R8: | 44.1 | | |




## Test Conditions

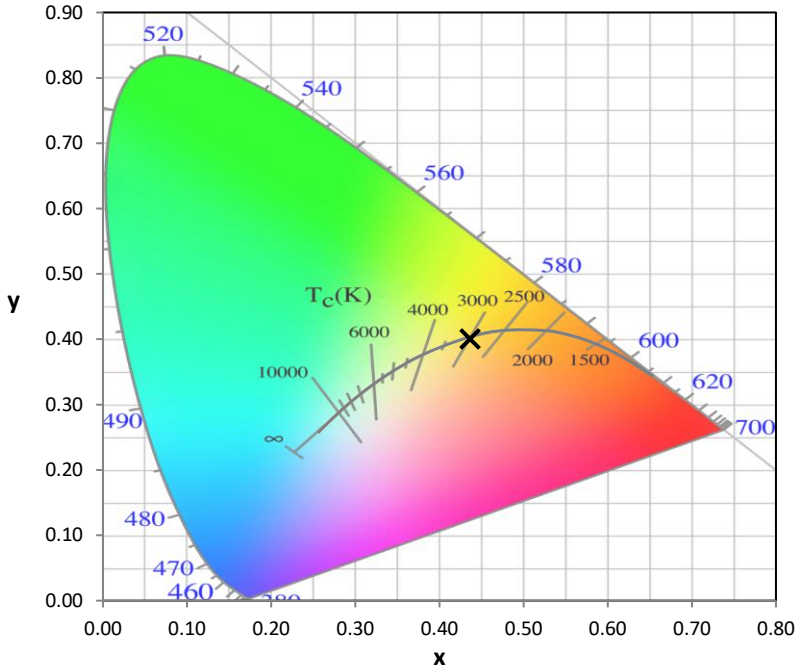
| | |
|---|---|
| Stabilization Time: | 23M |
| Operation Time: | 1H 23M |
| Sphere Temperature (°C): | 24.9 |

REPORT NUMBER: SP1-2501-332-9

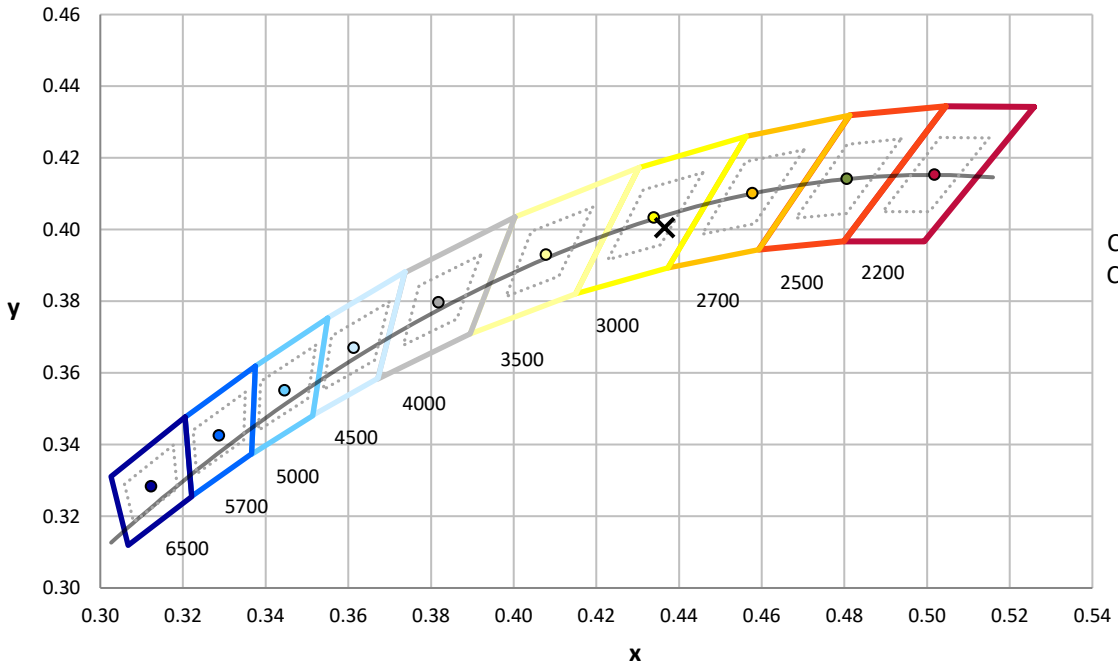
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 12/16/2024 | 6/16/2025 |
| Power Meter | INXT2011004 | 1/21/2025 | 1/21/2026 |
| AC Power Source | IN0063 | 10/22/2024 | 10/22/2025 |
| DC 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: SP1-2501-332-9

## CIE 1931 Chromaticity Diagram




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

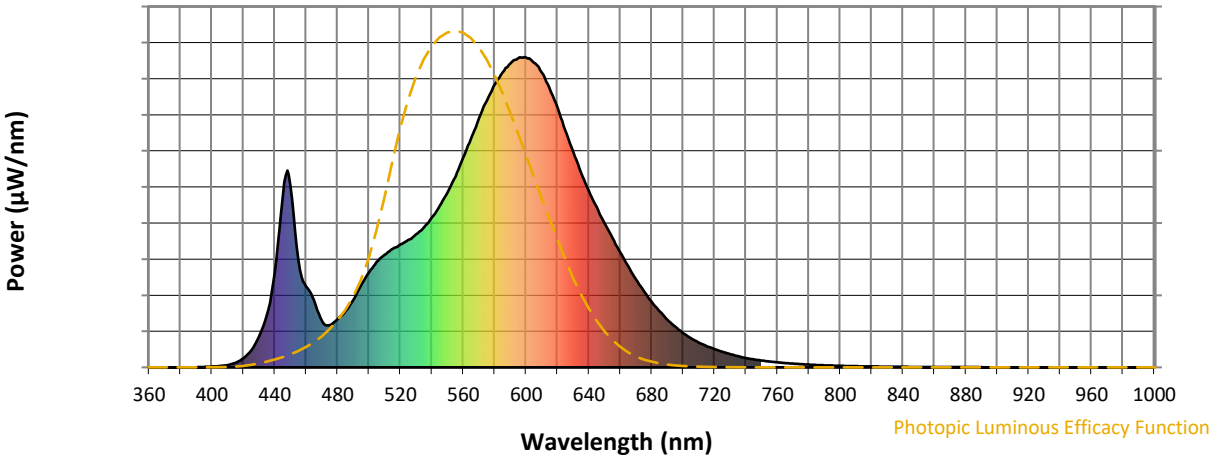



CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

## Photopic Flux vs. Wavelength

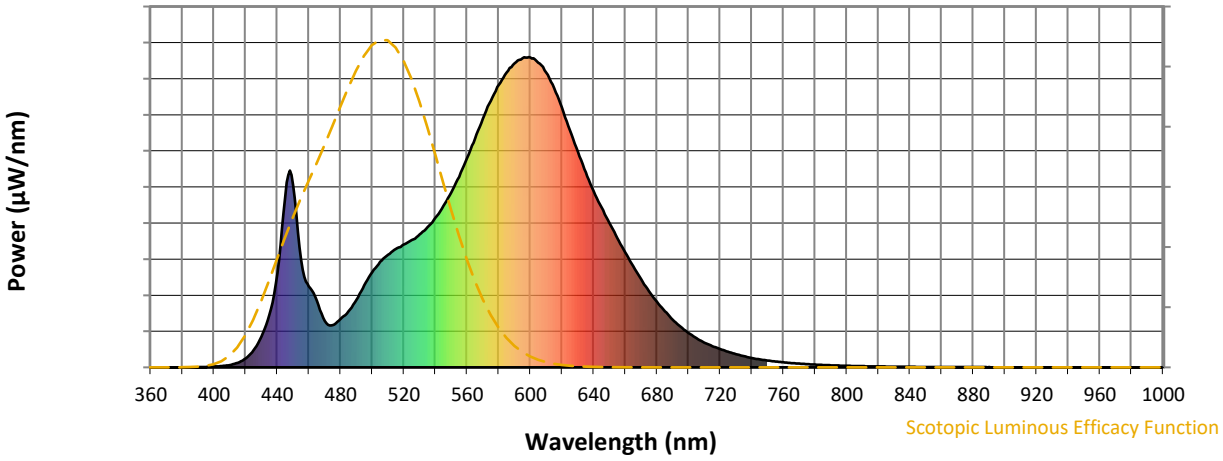



## Photopic Lumens: NR

| 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 | 217 | NR | 620 | 838 | NR | 750 | 22 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 264 | NR | 625 | 764 | NR | 755 | 19 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 306 | NR | 630 | 696 | NR | 760 | 16 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 340 | NR | 635 | 629 | NR | 765 | 14 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 568 | NR | 770 | 12 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 382 | NR | 645 | 516 | NR | 775 | 10 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 396 | NR | 650 | 465 | NR | 780 | 9 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 411 | NR | 655 | 417 | NR | 785 | 8 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 429 | NR | 660 | 370 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 4 | NR | 535 | 452 | NR | 665 | 326 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 8 | NR | 540 | 482 | NR | 670 | 284 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 15 | NR | 545 | 521 | NR | 675 | 245 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 29 | NR | 550 | 563 | NR | 680 | 211 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 55 | NR | 555 | 614 | NR | 685 | 181 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 99 | NR | 560 | 676 | NR | 690 | 154 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 171 | NR | 565 | 738 | NR | 695 | 131 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 303 | NR | 570 | 802 | NR | 700 | 111 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 547 | NR | 575 | 859 | NR | 705 | 94 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 587 | NR | 580 | 911 | NR | 710 | 80 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 346 | NR | 585 | 950 | NR | 715 | 69 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 261 | NR | 590 | 980 | NR | 720 | 59 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 216 | NR | 595 | 996 | NR | 725 | 50 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 150 | NR | 600 | 998 | NR | 730 | 42 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 137 | NR | 605 | 982 | NR | 735 | 36 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 156 | NR | 610 | 950 | NR | 740 | 30 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 180 | NR | 615 | 899 | NR | 745 | 26 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-9

## Scotopic Flux vs. Wavelength

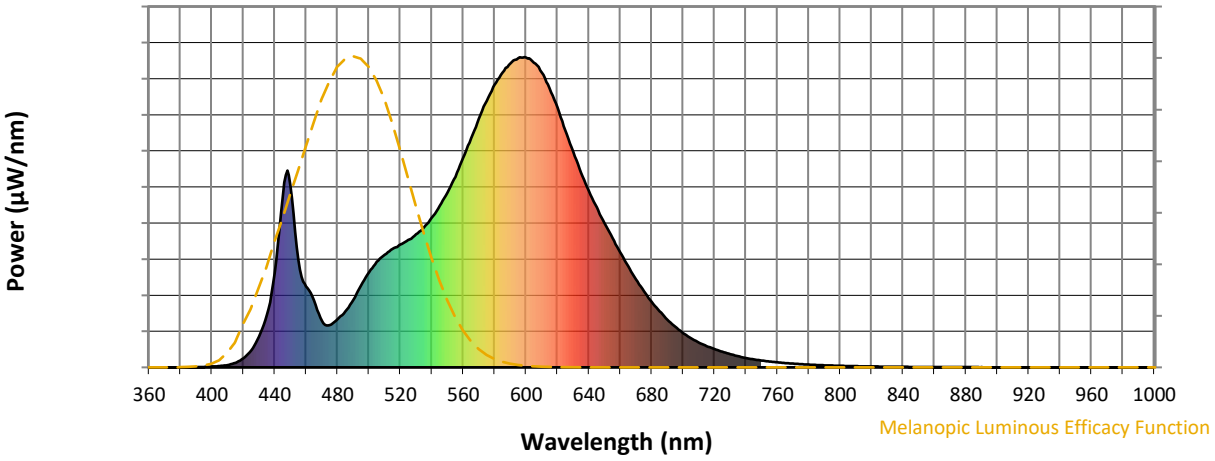



**Scotopic Lumens: NR** **S/P: 1.29**

| 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 | 217 | NR | 620 | 838 | NR | 750 | 22 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 264 | NR | 625 | 764 | NR | 755 | 19 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 306 | NR | 630 | 696 | NR | 760 | 16 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 340 | NR | 635 | 629 | NR | 765 | 14 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 568 | NR | 770 | 12 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 382 | NR | 645 | 516 | NR | 775 | 10 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 396 | NR | 650 | 465 | NR | 780 | 9 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 411 | NR | 655 | 417 | NR | 785 | 8 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 429 | NR | 660 | 370 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 4 | NR | 535 | 452 | NR | 665 | 326 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 8 | NR | 540 | 482 | NR | 670 | 284 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 15 | NR | 545 | 521 | NR | 675 | 245 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 29 | NR | 550 | 563 | NR | 680 | 211 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 55 | NR | 555 | 614 | NR | 685 | 181 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 99 | NR | 560 | 676 | NR | 690 | 154 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 171 | NR | 565 | 738 | NR | 695 | 131 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 303 | NR | 570 | 802 | NR | 700 | 111 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 547 | NR | 575 | 859 | NR | 705 | 94 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 587 | NR | 580 | 911 | NR | 710 | 80 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 346 | NR | 585 | 950 | NR | 715 | 69 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 261 | NR | 590 | 980 | NR | 720 | 59 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 216 | NR | 595 | 996 | NR | 725 | 50 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 150 | NR | 600 | 998 | NR | 730 | 42 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 137 | NR | 605 | 982 | NR | 735 | 36 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 156 | NR | 610 | 950 | NR | 740 | 30 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 180 | NR | 615 | 899 | NR | 745 | 26 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-9

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.45**

| 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 | 217 | NR | 620 | 838 | NR | 750 | 22 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 264 | NR | 625 | 764 | NR | 755 | 19 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 306 | NR | 630 | 696 | NR | 760 | 16 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 340 | NR | 635 | 629 | NR | 765 | 14 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 568 | NR | 770 | 12 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 382 | NR | 645 | 516 | NR | 775 | 10 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 396 | NR | 650 | 465 | NR | 780 | 9 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 411 | NR | 655 | 417 | NR | 785 | 8 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 429 | NR | 660 | 370 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 4 | NR | 535 | 452 | NR | 665 | 326 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 8 | NR | 540 | 482 | NR | 670 | 284 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 15 | NR | 545 | 521 | NR | 675 | 245 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 29 | NR | 550 | 563 | NR | 680 | 211 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 55 | NR | 555 | 614 | NR | 685 | 181 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 99 | NR | 560 | 676 | NR | 690 | 154 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 171 | NR | 565 | 738 | NR | 695 | 131 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 303 | NR | 570 | 802 | NR | 700 | 111 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 547 | NR | 575 | 859 | NR | 705 | 94 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 587 | NR | 580 | 911 | NR | 710 | 80 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 346 | NR | 585 | 950 | NR | 715 | 69 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 261 | NR | 590 | 980 | NR | 720 | 59 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 216 | NR | 595 | 996 | NR | 725 | 50 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 150 | NR | 600 | 998 | NR | 730 | 42 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 137 | NR | 605 | 982 | NR | 735 | 36 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 156 | NR | 610 | 950 | NR | 740 | 30 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 180 | NR | 615 | 899 | NR | 745 | 26 | NR | 875 | 1 | NR | | | |

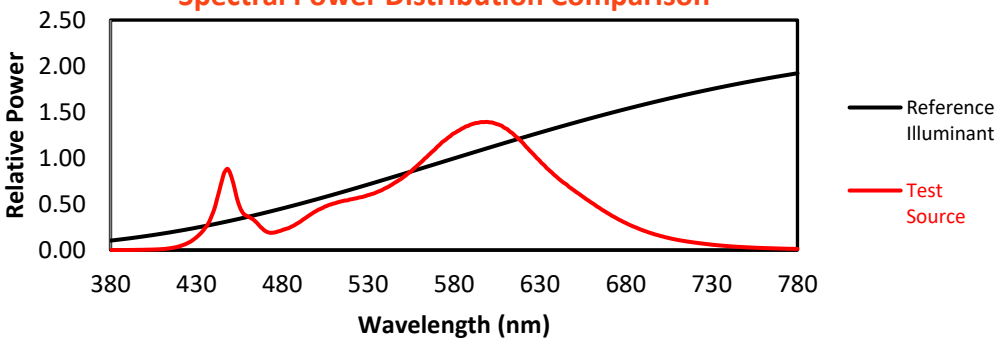
REPORT NUMBER: SP1-2501-332-9

# TM-30-18

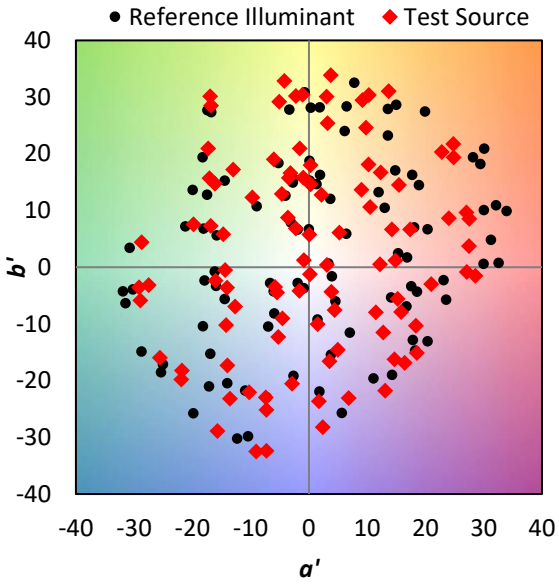
## Summary

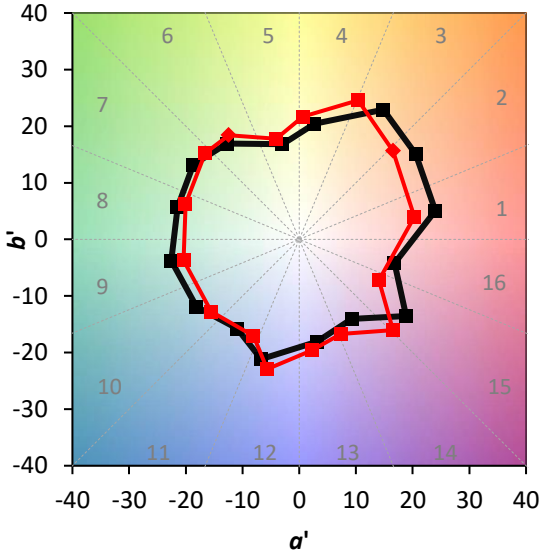
$R_f$ = 79.2
$R_g$ = 94.4
CIE $R_a$ = 75.1
$R_9$ = -26.5

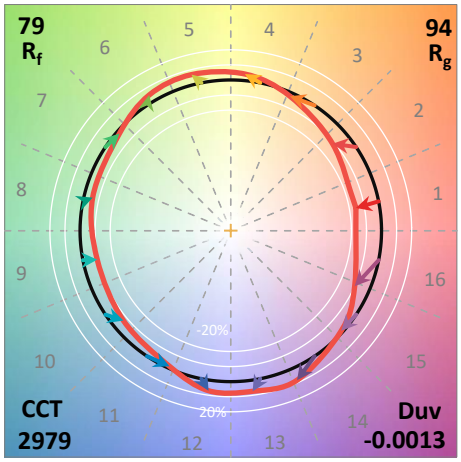
## Spectral Power Distribution Comparison

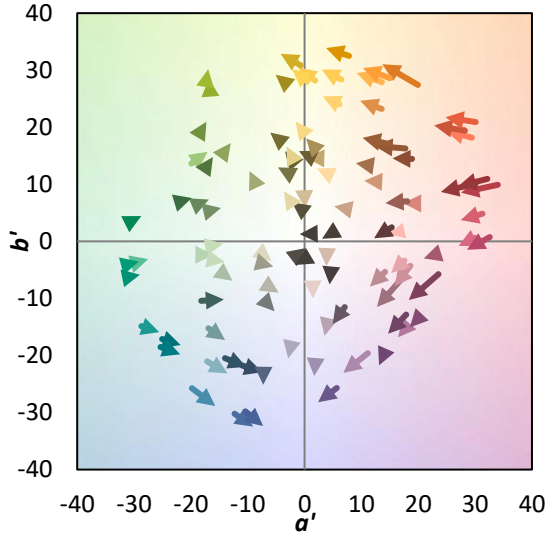



## Color Vector Graphics



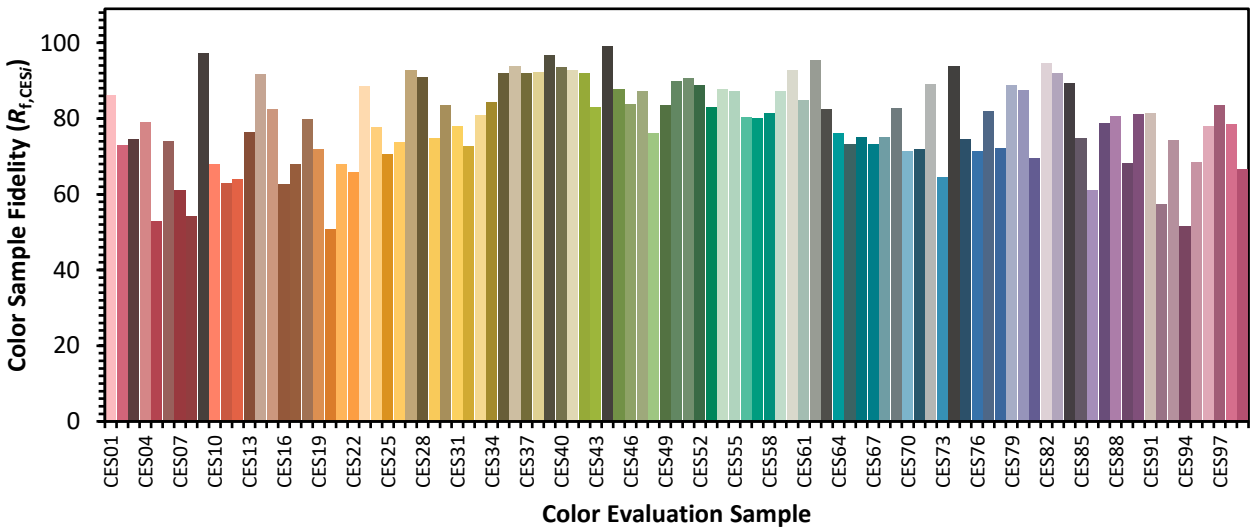



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**Individual Sample Fidelity Index ($R_{f,i}$)**

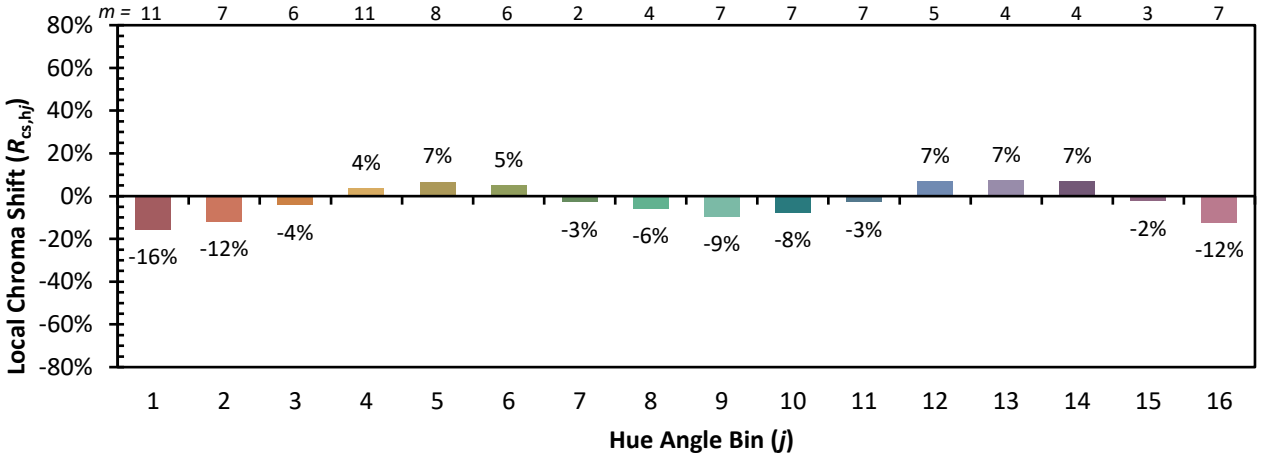
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 74 | CES51 = 91 | CES76 = 71 |
| CES02 = 63 | CES27 = 93 | CES52 = 89 | CES77 = 82 |
| CES03 = 31 | CES28 = 91 | CES53 = 83 | CES78 = 72 |
| CES04 = 71 | CES29 = 75 | CES54 = 88 | CES79 = 89 |
| CES05 = 49 | CES30 = 84 | CES55 = 87 | CES80 = 87 |
| CES06 = 51 | CES31 = 78 | CES56 = 80 | CES81 = 70 |
| CES07 = 42 | CES32 = 73 | CES57 = 80 | CES82 = 95 |
| CES08 = 40 | CES33 = 81 | CES58 = 81 | CES83 = 92 |
| CES09 = 29 | CES34 = 84 | CES59 = 87 | CES84 = 89 |
| CES10 = 76 | CES35 = 92 | CES60 = 93 | CES85 = 75 |
| CES11 = 59 | CES36 = 94 | CES61 = 85 | CES86 = 61 |
| CES12 = 65 | CES37 = 92 | CES62 = 96 | CES87 = 79 |
| CES13 = 43 | CES38 = 92 | CES63 = 82 | CES88 = 81 |
| CES14 = 74 | CES39 = 97 | CES64 = 76 | CES89 = 68 |
| CES15 = 71 | CES40 = 94 | CES65 = 73 | CES90 = 81 |
| CES16 = 47 | CES41 = 93 | CES66 = 75 | CES91 = 81 |
| CES17 = 50 | CES42 = 92 | CES67 = 73 | CES92 = 57 |
| CES18 = 56 | CES43 = 83 | CES68 = 75 | CES93 = 74 |
| CES19 = 73 | CES44 = 99 | CES69 = 83 | CES94 = 52 |
| CES20 = 66 | CES45 = 88 | CES70 = 71 | CES95 = 69 |
| CES21 = 87 | CES46 = 84 | CES71 = 72 | CES96 = 78 |
| CES22 = 79 | CES47 = 87 | CES72 = 89 | CES97 = 84 |
| CES23 = 92 | CES48 = 76 | CES73 = 64 | CES98 = 78 |
| CES24 = 91 | CES49 = 84 | CES74 = 94 | CES99 = 67 |
| CES25 = 72 | CES50 = 90 | CES75 = 75 | |

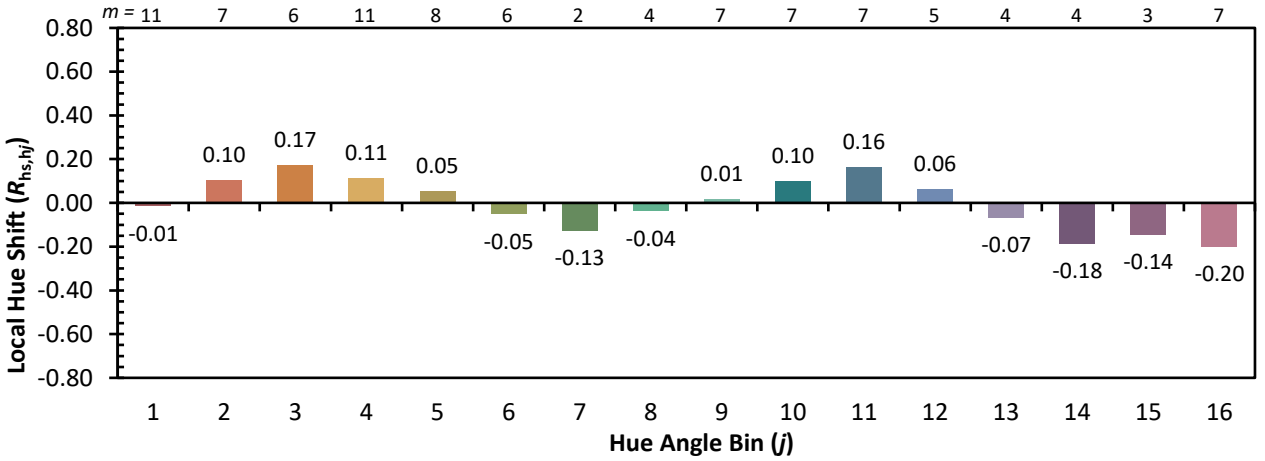


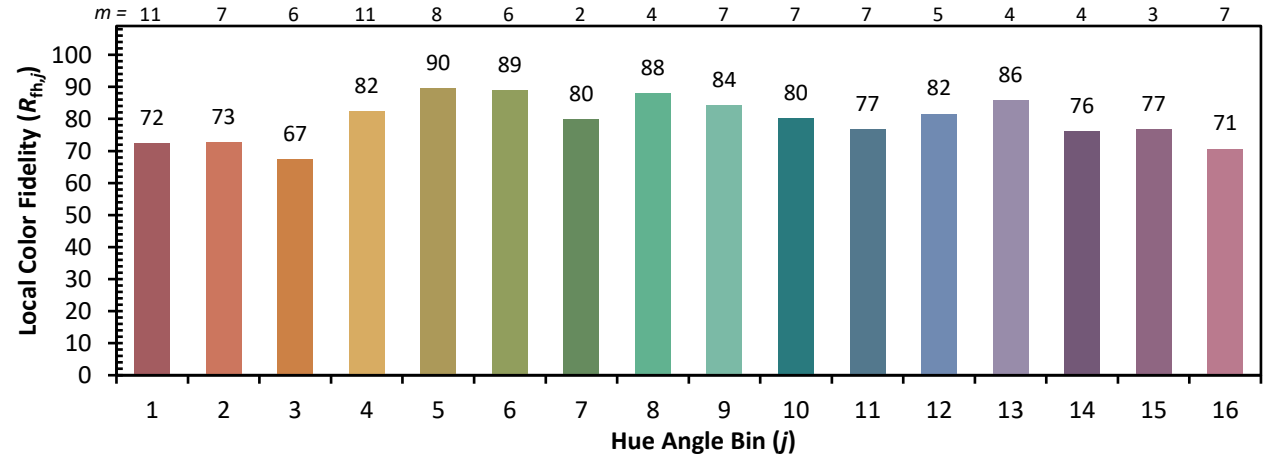
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## Color Rendition by Hue-Angle Bin



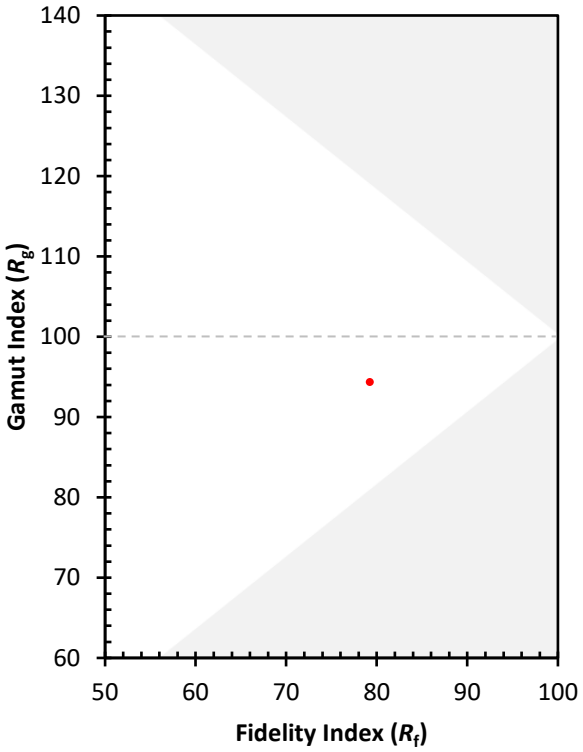



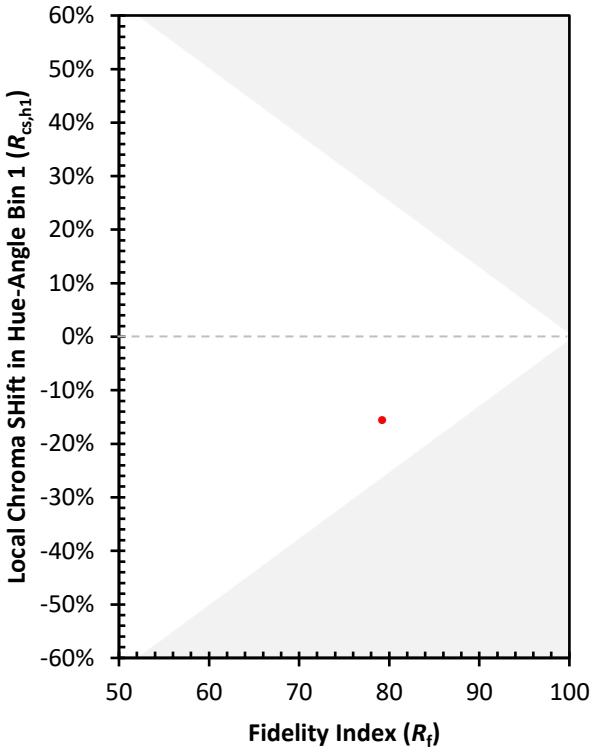



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## Measure Comparisons




(END OF REPORT)