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: P1045856

Luminaire Tested: **FFX-CLB-30-740-U-VM8-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1045856 |
| Test Lab: | INNOVATION CENTER(G3) |
| Issue Date: | 07/01/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | FFX-CLB-30-740-U-VM8-T5-HSS |
| Description: | FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD |
| Light Source: | (6) 4000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 3506.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 114.6 lumens/watt |
| Luminous Opening: | Vertical Cylinder (Dia: 1.17' x H: 1.67') |
| 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 |

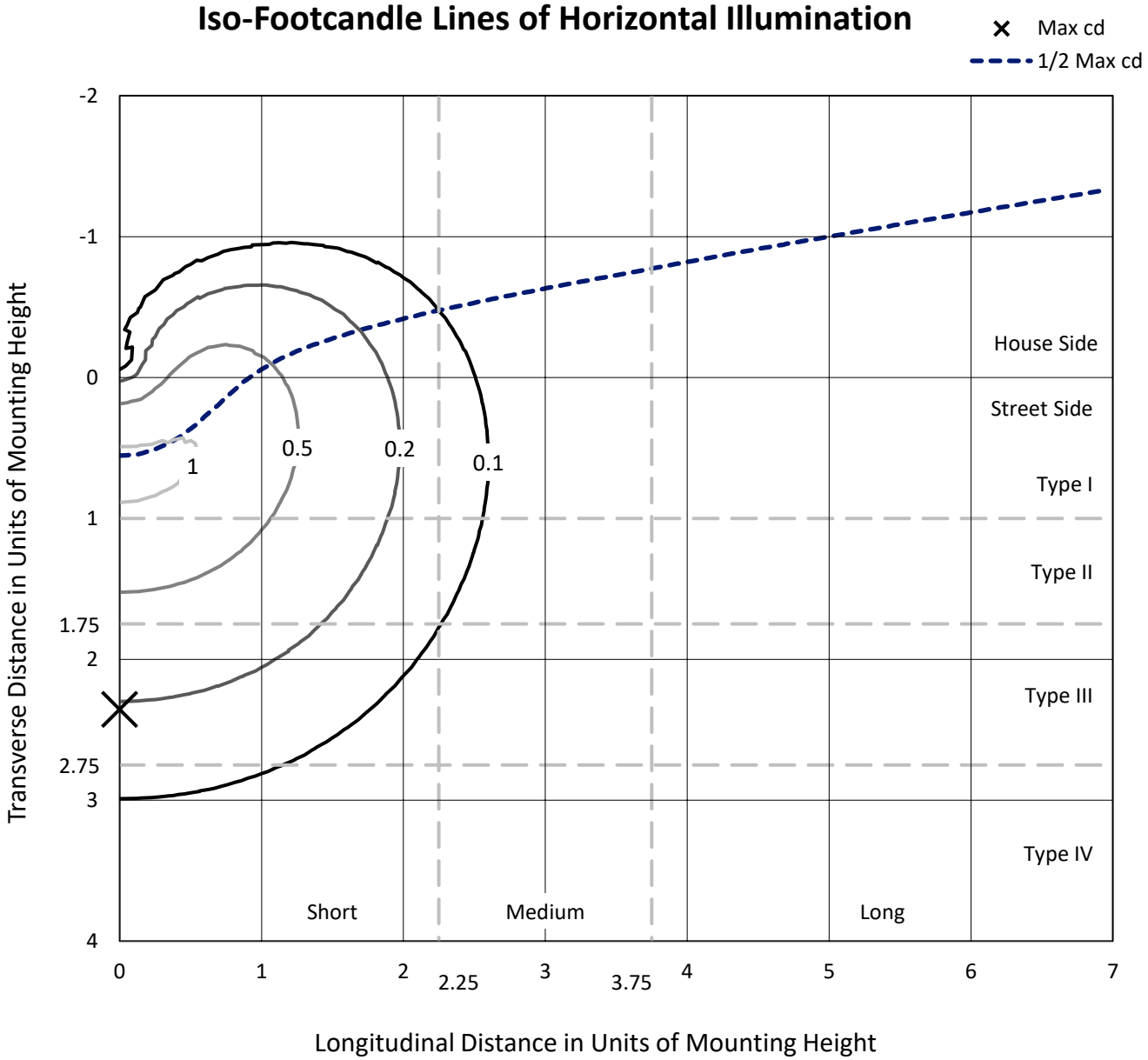


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REPORT NUMBER: P1045856
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## Iso-Footcandle Lines of Horizontal Illumination



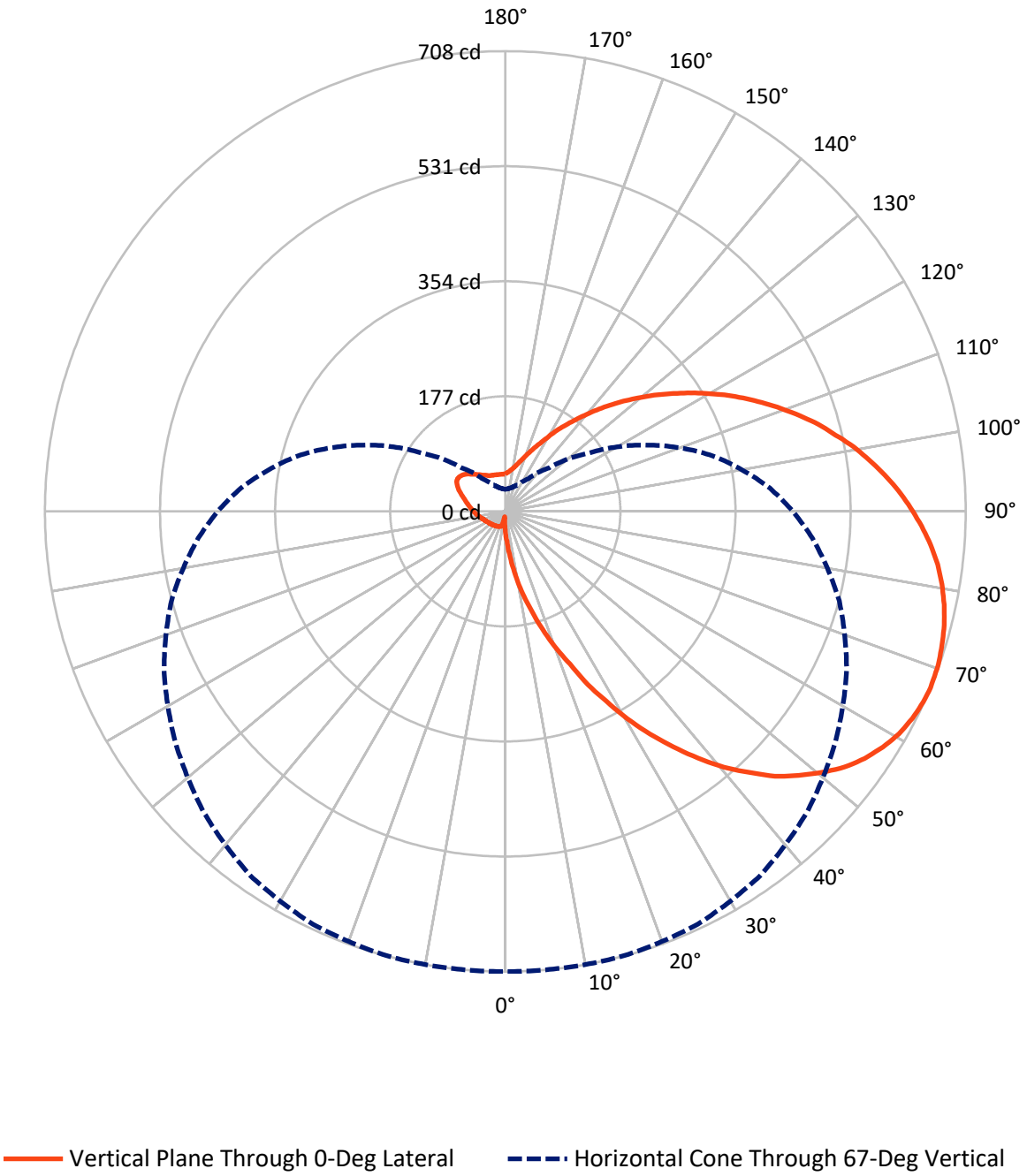

Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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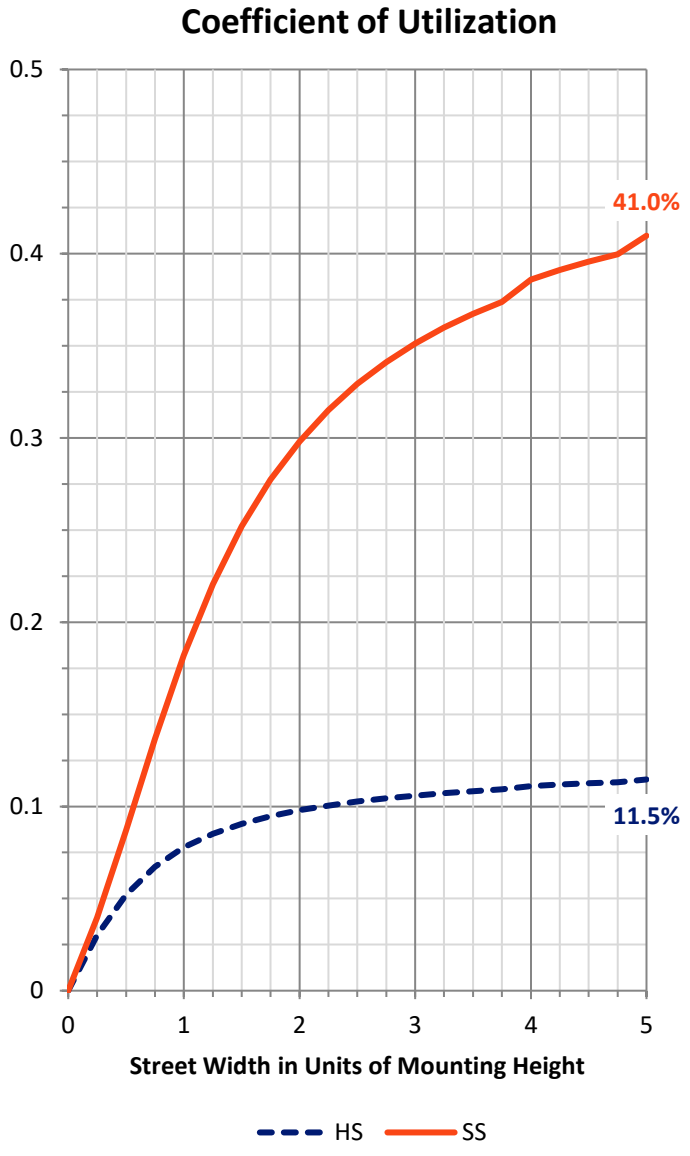
REPORT NUMBER: P1045856
CATALOG NUMBER: FFX-CLB-30-740-U-VM8-T5-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 434.2 | 413.6 | 847.8 |
| | % Fixture | 12.4 | 11.8 | 24.2 |
| **Street Side** | Lumens | 1637.1 | 1021.2 | 2658.3 |
| | % Fixture | 46.7 | 29.1 | 75.8 |
| **Total** | Lumens | 2071.3 | 1434.8 | 3506.1 |
| | % Fixture | 59.1 | 40.9 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 4.6 | 0.1 |
| 10°-20° | 29.1 | 0.8 |
| 20°-30° | 81.3 | 2.3 |
| 30°-40° | 162.8 | 4.6 |
| 40°-50° | 255.8 | 7.3 |
| 50°-60° | 336.3 | 9.6 |
| 60°-70° | 388.4 | 11.1 |
| 70°-80° | 409.8 | 11.7 |
| 80°-90° | 403.1 | 11.5 |
| 90°-100° | 369.9 | 10.6 |
| 100°-110° | 320.0 | 9.1 |
| 110°-120° | 262.6 | 7.5 |
| 120°-130° | 200.2 | 5.7 |
| 130°-140° | 134.9 | 3.8 |
| 140°-150° | 79.9 | 2.3 |
| 150°-160° | 42.0 | 1.2 |
| 160°-170° | 19.6 | 0.6 |
| 170°-180° | 5.7 | 0.2 |
| 0°-90° | 2071.3 | 59.1 |
| 0°-180° | 3506.1 | 100.0 |



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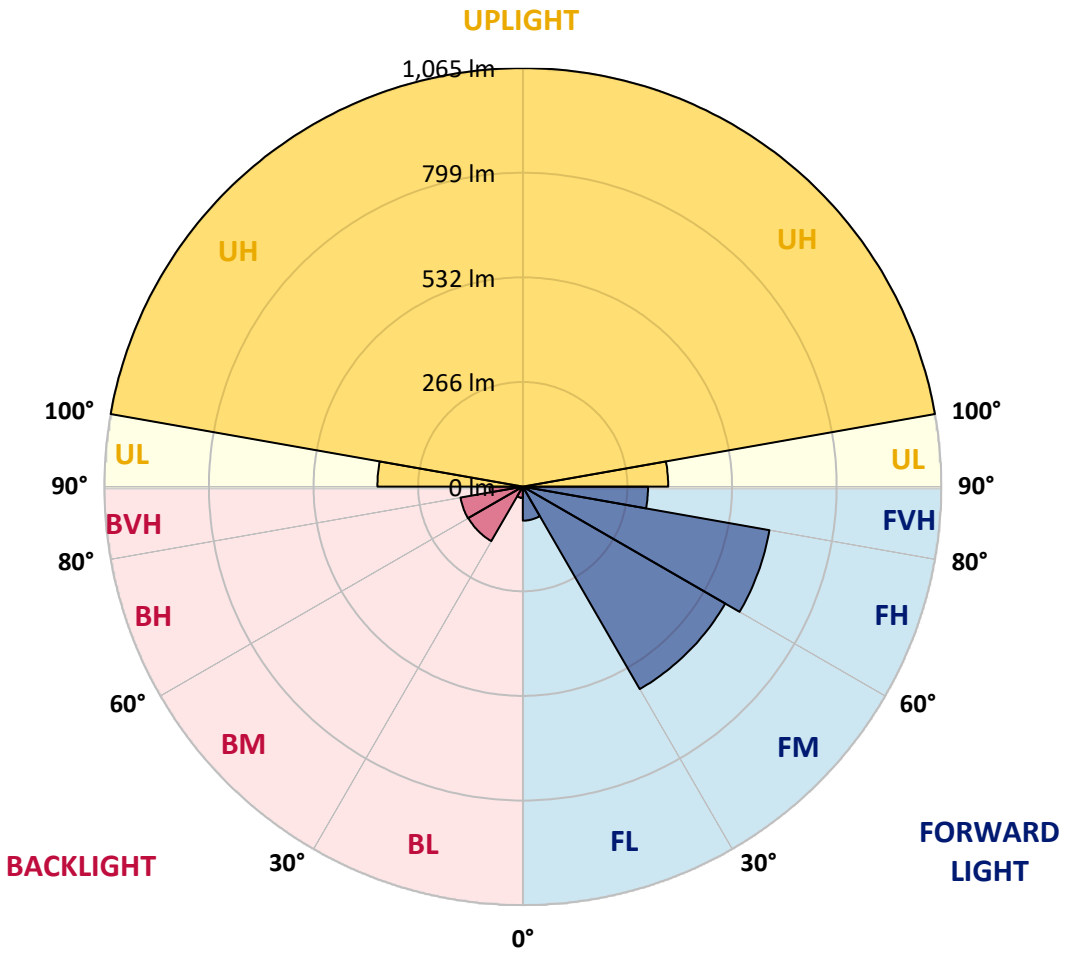
Scaled Data Report

REPORT NUMBER: P1045856
CATALOG NUMBER: FFX-CLB-30-740-U-VM8-T5-HSS

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 86.5 | 2.5 | | | |
| FM | (30°-60°) | 594.8 | 17.0 | | | |
| FH | (60°-80°) | 637.2 | 18.2 | | | G0/660 |
| FVH | (80°-90°) | 318.5 | 9.1 | | | G3/500 |
| BL | (0°-30°) | 28.6 | 0.8 | B0/110 | | |
| BM | (30°-60°) | 160.1 | 4.6 | B0/220 | | |
| BH | (60°-80°) | 161.0 | 4.6 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 84.5 | 2.4 | | | G1/100 |
| UL | (90°-100°) | 369.9 | 10.6 | | U3/500 | |
| UH | (100°-180°) | 1064.9 | 30.4 | | U5 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 2.5° | 45.3 | 46.0 | 46.0 | 45.6 | 45.3 | 44.5 | 43.7 | 42.2 | 39.1 | 36.8 | 34.5 |
| 5° | 65.6 | 65.6 | 66.0 | 65.6 | 64.1 | 62.5 | 59.1 | 56.4 | 51.4 | 47.6 | 43.3 |
| 7.5° | 89.0 | 90.1 | 89.8 | 88.6 | 85.9 | 82.5 | 78.3 | 73.3 | 68.3 | 62.5 | 56.0 |
| 10° | 115.1 | 114.7 | 114.7 | 113.2 | 110.1 | 105.5 | 100.9 | 95.1 | 87.8 | 80.6 | 72.1 |
| 12.5° | 139.6 | 140.8 | 140.0 | 138.1 | 134.3 | 130.8 | 125.1 | 118.5 | 110.1 | 102.4 | 90.9 |
| 15° | 166.1 | 166.9 | 166.9 | 165.7 | 162.3 | 157.3 | 150.8 | 144.6 | 133.5 | 122.8 | 111.6 |
| 17.5° | 196.4 | 195.3 | 193.7 | 193.7 | 189.5 | 185.3 | 178.8 | 170.3 | 158.0 | 146.2 | 131.2 |
| 20° | 226.7 | 226.3 | 224.4 | 223.3 | 220.6 | 214.4 | 206.0 | 196.4 | 184.1 | 170.7 | 153.1 |
| 22.5° | 255.1 | 258.9 | 258.5 | 256.6 | 253.2 | 247.0 | 237.8 | 226.3 | 213.7 | 196.8 | 176.5 |
| 25° | 295.4 | 293.1 | 293.5 | 291.5 | 288.5 | 281.2 | 272.0 | 258.5 | 243.2 | 224.4 | 201.4 |
| 27.5° | 330.3 | 329.5 | 329.5 | 328.4 | 324.1 | 316.5 | 305.7 | 293.1 | 275.4 | 253.2 | 227.5 |
| 30° | 370.6 | 368.6 | 367.9 | 366.7 | 362.5 | 354.1 | 342.9 | 327.2 | 308.0 | 285.4 | 255.1 |
| 32.5° | 408.5 | 407.0 | 404.3 | 403.9 | 400.9 | 392.0 | 379.4 | 363.3 | 341.4 | 314.9 | 281.6 |
| 35° | 445.0 | 445.7 | 444.6 | 442.7 | 438.5 | 430.0 | 417.7 | 398.2 | 376.7 | 346.0 | 309.9 |
| 37.5° | 481.8 | 481.4 | 482.2 | 480.6 | 474.1 | 466.1 | 451.5 | 430.8 | 406.2 | 372.9 | 334.9 |
| 40° | 517.9 | 515.9 | 515.6 | 514.0 | 509.4 | 501.4 | 484.9 | 463.8 | 436.2 | 401.6 | 358.7 |
| 42.5° | 548.9 | 549.7 | 548.9 | 547.4 | 541.3 | 532.1 | 514.8 | 491.4 | 462.2 | 425.0 | 380.9 |
| 45° | 581.5 | 580.4 | 580.0 | 580.0 | 571.9 | 562.4 | 543.6 | 519.4 | 486.8 | 446.9 | 400.1 |
| 47.5° | 607.2 | 608.8 | 608.0 | 606.1 | 600.7 | 588.8 | 568.9 | 542.4 | 508.3 | 467.2 | 417.4 |
| 50° | 631.4 | 633.3 | 633.7 | 631.8 | 625.3 | 612.2 | 591.5 | 562.0 | 527.4 | 484.1 | 432.3 |
| 52.5° | 653.7 | 653.3 | 654.4 | 653.3 | 647.1 | 633.7 | 609.9 | 580.0 | 542.8 | 498.3 | 443.8 |
| 55° | 670.9 | 670.9 | 671.7 | 670.1 | 664.4 | 649.4 | 624.9 | 593.0 | 555.1 | 509.4 | 453.8 |
| 57.5° | 684.7 | 685.5 | 685.1 | 684.7 | 678.2 | 662.5 | 636.4 | 603.4 | 565.0 | 517.5 | 461.1 |
| 60° | 695.5 | 695.8 | 695.8 | 695.1 | 688.6 | 672.1 | 645.6 | 611.5 | 571.6 | 524.4 | 466.8 |
| 62.5° | 702.4 | 702.8 | 702.8 | 702.0 | 695.5 | 678.6 | 651.7 | 616.4 | 576.2 | 528.6 | 470.7 |
| 65° | 706.6 | 707.0 | 707.0 | 706.2 | 699.7 | 682.4 | 654.8 | 619.1 | 578.5 | 530.9 | 473.0 |
| 67° | 708.1 | 708.1 | 708.1 | 707.7 | 700.8 | 684.0 | 655.6 | 619.5 | 579.2 | 531.7 | 474.1 |
| 67.5° | 707.7 | 707.7 | 708.1 | 707.4 | 700.8 | 683.6 | 655.2 | 619.5 | 578.8 | 531.7 | 474.1 |
| 70° | 706.6 | 706.6 | 706.6 | 705.8 | 699.3 | 682.0 | 653.7 | 617.6 | 577.7 | 530.9 | 473.7 |
| 72.5° | 702.4 | 702.8 | 702.8 | 702.0 | 695.5 | 678.6 | 650.2 | 614.1 | 574.6 | 528.6 | 472.6 |
| 75° | 697.4 | 697.4 | 697.4 | 696.6 | 690.1 | 673.2 | 645.2 | 609.5 | 570.8 | 525.5 | 470.3 |
| 77.5° | 690.1 | 690.1 | 690.1 | 689.3 | 682.8 | 666.3 | 638.7 | 603.8 | 565.8 | 521.3 | 467.6 |
| 80° | 680.9 | 681.3 | 680.9 | 680.1 | 673.6 | 657.1 | 630.6 | 596.5 | 559.3 | 516.3 | 463.8 |
| 82.5° | 670.1 | 670.5 | 670.1 | 668.6 | 662.5 | 646.7 | 620.3 | 586.9 | 551.6 | 509.8 | 459.2 |
| 85° | 656.3 | 656.0 | 656.3 | 654.0 | 648.7 | 632.9 | 608.8 | 576.2 | 542.0 | 502.1 | 452.6 |
| 87.5° | 640.6 | 641.0 | 640.2 | 639.1 | 632.6 | 617.2 | 594.2 | 563.9 | 530.9 | 492.9 | 445.0 |
| 90° | 623.3 | 623.3 | 623.0 | 621.4 | 614.5 | 600.7 | 578.8 | 549.7 | 519.0 | 482.6 | 436.9 |
| 92.5° | 605.7 | 605.3 | 604.2 | 603.4 | 597.3 | 583.1 | 562.0 | 535.9 | 507.1 | 472.2 | 428.5 |
| 95° | 586.1 | 586.1 | 585.4 | 583.8 | 576.9 | 565.4 | 545.1 | 520.5 | 493.3 | 461.1 | 419.7 |
| 97.5° | 565.4 | 565.0 | 564.7 | 562.4 | 556.2 | 544.7 | 528.2 | 504.4 | 479.5 | 449.2 | 409.7 |
| 100° | 545.1 | 543.9 | 543.2 | 540.9 | 535.5 | 524.4 | 508.7 | 487.9 | 463.8 | 436.2 | 398.9 |
| 102.5° | 521.3 | 521.3 | 520.9 | 518.6 | 511.7 | 502.5 | 488.3 | 469.9 | 449.2 | 422.7 | 387.4 |
| 105° | 500.2 | 498.3 | 497.5 | 495.2 | 489.9 | 479.9 | 468.0 | 451.9 | 432.7 | 408.1 | 375.9 |
| 107.5° | 476.4 | 474.9 | 474.5 | 471.1 | 466.8 | 457.6 | 447.7 | 432.7 | 416.6 | 394.7 | 364.0 |

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Scaled Data Report

REPORT NUMBER: P1045856
CATALOG NUMBER: FFX-CLB-30-740-U-VM8-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 0° | 5° | 10° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | *452.3* | 451.5 | 451.1 | 447.7 | 442.3 | 436.2 | 425.8 | 413.9 | 399.7 | 379.8 | 352.9 |
| 112.5° | *428.5* | 427.7 | 427.7 | 425.0 | 420.0 | 412.4 | 405.1 | 394.7 | 382.1 | 364.8 | 339.9 |
| 115° | *405.1* | 403.9 | 403.5 | 400.5 | 395.5 | 389.7 | 382.4 | 375.2 | 364.4 | 349.8 | 327.2 |
| 117.5° | *381.7* | 380.1 | 380.5 | 377.8 | 374.0 | 368.3 | 361.3 | 356.4 | 347.2 | 333.7 | 314.6 |
| 120° | *357.5* | 357.9 | 357.9 | 354.4 | 351.0 | 346.4 | 340.6 | 335.6 | 329.5 | 317.6 | 300.0 |
| 122.5° | *334.5* | 335.3 | 335.3 | 333.0 | 328.7 | 324.5 | 320.7 | 316.1 | 310.7 | 301.5 | 285.8 |
| 125° | *311.5* | 313.0 | 312.2 | 310.3 | 306.9 | 302.3 | 299.6 | 295.8 | 291.5 | 283.9 | 270.1 |
| 127.5° | *290.4* | 290.4 | 288.5 | 288.8 | 285.4 | 281.6 | 279.3 | 276.6 | 272.4 | 265.1 | 253.9 |
| 130° | *268.5* | 268.9 | 269.3 | 267.0 | 263.9 | 260.8 | 258.5 | 257.4 | 253.9 | 247.8 | 236.7 |
| 132.5° | *248.6* | 248.6 | 247.8 | 246.3 | 243.6 | 241.3 | 241.3 | 237.8 | 235.1 | 229.4 | 219.8 |
| 135° | *229.0* | 228.6 | 228.6 | 227.1 | 225.2 | 224.0 | 221.3 | 219.8 | 217.1 | 211.7 | 204.5 |
| 137.5° | *209.8* | 210.6 | 209.8 | 208.7 | 206.8 | 205.2 | 203.3 | 202.9 | 199.1 | 195.3 | 187.2 |
| 140° | *191.4* | 192.6 | 191.4 | 191.0 | 189.5 | 187.6 | 186.4 | 184.9 | 183.7 | 178.8 | 171.9 |
| 142.5° | *174.2* | 174.9 | 174.2 | 173.8 | 172.6 | 171.1 | 170.3 | 169.2 | 166.5 | 163.4 | 157.7 |
| 145° | *159.2* | 158.8 | 158.8 | 158.4 | 156.9 | 155.7 | 154.6 | 153.8 | 152.3 | 149.2 | 142.7 |
| 147.5° | *144.6* | 143.5 | 144.2 | 143.5 | 142.3 | 141.5 | 141.2 | 139.6 | 138.1 | 135.0 | 130.4 |
| 150° | *129.7* | 130.4 | 130.0 | 129.7 | 128.5 | 128.5 | 127.4 | 126.2 | 125.1 | 121.6 | 118.5 |
| 152.5° | *117.4* | 117.4 | 117.8 | 117.0 | 116.6 | 115.5 | 114.7 | 114.3 | 112.8 | 110.5 | 107.0 |
| 155° | *107.0* | 106.6 | 106.6 | 106.6 | 105.9 | 104.7 | 104.3 | 103.6 | 102.8 | 100.1 | 97.1 |
| 157.5° | *97.1* | 97.1 | 97.1 | 96.7 | 96.7 | 95.5 | 95.1 | 94.0 | 92.8 | 91.3 | 88.6 |
| 160° | *88.6* | 88.6 | 88.2 | 88.2 | 87.8 | 87.5 | 86.7 | 85.5 | 84.8 | 83.6 | 81.3 |
| 162.5° | *81.7* | 81.3 | 81.3 | 80.9 | 80.6 | 79.8 | 79.4 | 79.0 | 77.9 | 76.7 | 74.8 |
| 165° | *75.2* | 75.2 | 75.2 | 74.8 | 74.4 | 74.0 | 73.7 | 72.9 | 72.1 | 71.3 | 70.2 |
| 167.5° | *70.2* | 70.2 | 70.2 | 69.8 | 69.8 | 69.4 | 69.0 | 68.3 | 67.5 | 66.7 | 66.0 |
| 170° | *66.4* | 66.4 | 66.4 | 66.0 | 65.6 | 65.2 | 64.8 | 64.4 | 64.1 | 63.3 | 62.9 |
| 172.5° | *63.3* | 63.3 | 63.3 | 63.3 | 62.5 | 62.1 | 61.8 | 61.8 | 61.4 | 61.0 | 60.6 |
| 175° | *60.6* | 60.6 | 60.6 | 60.6 | 60.2 | 59.8 | 59.5 | 59.5 | 59.1 | 58.7 | 58.3 |
| 177.5° | *59.1* | 59.1 | 59.1 | 58.7 | 58.7 | 58.3 | 57.9 | 57.9 | 57.5 | 57.5 | 57.2 |
| 180° | *57.2* | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 2.5° | 33.0 | 31.5 | 28.8 | 26.5 | 24.6 | 22.6 | 21.5 | 20.3 | 20.3 | 20.7 | 19.9 |
| 5° | 39.9 | 37.2 | 32.2 | 26.9 | 22.2 | 18.4 | 15.3 | 12.7 | 10.4 | 9.2 | 9.2 |
| 7.5° | 52.9 | 49.9 | 43.0 | 36.1 | 29.5 | 23.4 | 18.4 | 14.2 | 10.7 | 8.8 | 8.4 |
| 10° | 67.9 | 64.4 | 54.9 | 46.4 | 38.4 | 30.7 | 24.2 | 18.4 | 14.6 | 12.7 | 12.3 |
| 12.5° | 85.2 | 80.6 | 69.0 | 58.3 | 47.9 | 38.4 | 30.3 | 23.8 | 19.9 | 18.0 | 17.6 |
| 15° | 105.1 | 97.8 | 84.8 | 71.3 | 57.9 | 46.0 | 36.4 | 29.2 | 24.9 | 22.2 | 22.2 |
| 17.5° | 123.1 | 115.5 | 99.7 | 82.5 | 67.1 | 53.3 | 41.8 | 33.0 | 27.2 | 24.6 | 24.2 |
| 20° | 143.8 | 133.5 | 114.7 | 94.7 | 76.0 | 59.1 | 45.3 | 35.3 | 28.4 | 24.9 | 24.9 |
| 22.5° | 164.9 | 154.2 | 131.2 | 107.0 | 84.4 | 64.4 | 48.7 | 36.8 | 29.2 | 25.3 | 24.9 |
| 25° | 189.9 | 175.3 | 147.7 | 120.4 | 94.0 | 70.2 | 51.8 | 38.4 | 29.9 | 26.1 | 25.3 |
| 27.5° | 214.0 | 199.1 | 166.9 | 133.9 | 102.8 | 76.0 | 54.5 | 39.9 | 30.7 | 26.5 | 26.1 |
| 30° | 239.4 | 221.0 | 184.5 | 147.7 | 112.0 | 80.9 | 57.2 | 41.0 | 31.1 | 26.9 | 26.1 |
| 32.5° | 264.7 | 244.4 | 204.1 | 161.1 | 120.8 | 85.5 | 59.5 | 41.8 | 31.8 | 27.2 | 26.5 |
| 35° | 290.4 | 268.5 | 222.9 | 174.5 | 128.9 | 89.8 | 61.0 | 42.6 | 32.2 | 27.2 | 26.9 |
| 37.5° | 312.6 | 289.6 | 240.5 | 186.8 | 135.8 | 93.2 | 62.5 | 43.3 | 32.2 | 27.6 | 27.2 |
| 40° | 334.9 | 309.9 | 255.9 | 197.2 | 141.9 | 95.9 | 63.7 | 43.7 | 32.6 | 28.0 | 27.6 |
| 42.5° | 354.8 | 327.2 | 269.3 | 206.4 | 146.9 | 97.8 | 64.1 | 43.7 | 33.0 | 28.4 | 28.0 |
| 45° | 372.9 | 344.9 | 281.9 | 215.2 | 151.1 | 99.0 | 64.4 | 44.1 | 33.4 | 28.8 | 28.4 |
| 47.5° | 389.4 | 359.4 | 293.5 | 222.5 | 154.6 | 100.1 | 64.4 | 44.1 | 33.8 | 29.5 | 28.8 |
| 50° | 403.2 | 371.7 | 303.0 | 228.6 | 156.9 | 100.5 | 64.1 | 44.1 | 34.1 | 29.9 | 29.5 |
| 52.5° | 413.9 | 382.1 | 311.1 | 232.8 | 158.4 | 100.1 | 63.7 | 44.1 | 34.5 | 30.3 | 29.9 |
| 55° | 423.1 | 390.5 | 316.9 | 236.3 | 158.8 | 99.4 | 63.3 | 44.1 | 34.9 | 31.1 | 30.7 |
| 57.5° | 430.0 | 396.6 | 321.8 | 239.0 | 159.2 | 98.6 | 62.5 | 44.1 | 35.3 | 31.5 | 31.1 |
| 60° | 435.4 | 402.0 | 325.7 | 240.5 | 158.8 | 97.4 | 62.1 | 44.1 | 35.7 | 32.2 | 31.8 |
| 62.5° | 439.2 | 405.1 | 328.0 | 240.9 | 157.7 | 96.3 | 61.4 | 44.1 | 36.1 | 33.0 | 32.6 |
| 65° | 441.5 | 407.4 | 329.9 | 241.3 | 156.5 | 95.1 | 61.0 | 44.5 | 36.8 | 34.1 | 33.8 |
| 67° | *442.3* | *408.5* | *330.3* | *241.3* | *155.7* | *94.4* | *61.0* | *44.9* | *37.6* | *34.5* | *34.1* |
| 67.5° | 442.7 | 408.5 | 330.3 | 240.9 | 155.4 | 94.4 | 61.0 | 44.9 | 37.6 | 34.9 | 34.5 |
| 70° | 442.3 | 408.5 | 330.3 | 240.1 | 154.2 | 93.6 | 60.6 | 45.6 | 38.7 | 36.1 | 35.7 |
| 72.5° | 441.5 | 407.8 | 329.5 | 239.0 | 152.7 | 92.8 | 61.0 | 46.4 | 39.9 | 37.2 | 36.8 |
| 75° | 439.6 | 406.2 | 328.0 | 237.4 | 151.5 | 92.1 | 61.4 | 47.2 | 41.0 | 38.7 | 38.4 |
| 77.5° | 437.7 | 404.3 | 326.8 | 235.9 | 150.4 | 92.1 | 61.8 | 48.3 | 42.6 | 40.3 | 39.9 |
| 80° | 434.2 | 401.6 | 324.5 | 234.4 | 149.2 | 91.7 | 62.5 | 49.9 | 44.1 | 41.8 | 41.4 |
| 82.5° | 430.0 | 397.8 | 321.5 | 232.1 | 148.1 | 91.7 | 63.7 | 51.0 | 45.6 | 43.3 | 43.0 |
| 85° | 424.3 | 392.8 | 317.6 | 229.0 | 146.9 | 92.1 | 64.4 | 52.6 | 47.2 | 45.3 | 44.9 |
| 87.5° | 417.7 | 386.7 | 313.0 | 226.3 | 145.8 | 92.1 | 65.6 | 54.1 | 48.7 | 46.8 | 46.8 |
| 90° | 410.1 | 380.1 | 307.6 | 223.3 | 144.6 | 92.8 | 67.1 | 55.6 | 50.6 | 48.7 | 48.7 |
| 92.5° | 403.2 | 373.2 | 303.4 | 220.2 | 143.8 | 93.6 | 68.7 | 57.5 | 52.6 | 50.6 | 50.6 |
| 95° | 394.0 | 366.0 | 297.3 | 217.5 | 143.5 | 94.4 | 70.2 | 59.5 | 54.9 | 52.9 | 52.6 |
| 97.5° | 385.1 | 357.9 | 291.9 | 214.4 | 143.1 | 95.9 | 72.1 | 61.8 | 56.8 | 54.9 | 54.9 |
| 100° | 375.5 | 349.8 | 285.8 | 211.7 | 143.1 | 97.8 | 74.8 | 64.1 | 59.5 | 57.5 | 57.2 |
| 102.5° | 366.3 | 341.0 | 279.6 | 209.1 | 143.8 | 99.7 | 77.5 | 66.7 | 62.1 | 60.2 | 59.8 |
| 105° | 356.0 | 331.8 | 274.3 | 206.8 | 144.6 | 102.4 | 80.6 | 70.2 | 65.2 | 63.3 | 62.9 |
| 107.5° | 345.6 | 323.4 | 268.1 | 204.8 | 146.2 | 105.9 | 84.4 | 73.7 | 68.7 | 66.4 | 66.0 |

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

Scaled Data Report

REPORT NUMBER: P1045856
CATALOG NUMBER: FFX-CLB-30-740-U-VM8-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 334.5 | 314.2 | 262.8 | 203.3 | 148.5 | 109.7 | 88.6 | 78.3 | 72.5 | 70.2 | 69.8 |
| 112.5° | 324.1 | 305.0 | 257.0 | 202.2 | 150.8 | 114.3 | 93.6 | 82.5 | 77.1 | 74.0 | 73.7 |
| 115° | 312.6 | 295.4 | 251.6 | 201.0 | 153.4 | 118.9 | 99.0 | 87.1 | 81.3 | 78.3 | 78.3 |
| 117.5° | 301.5 | 285.4 | 245.5 | 199.9 | 156.1 | 123.9 | 104.0 | 92.1 | 85.5 | 82.5 | 82.1 |
| 120° | 288.5 | 274.7 | 239.0 | 197.6 | 157.7 | 127.7 | 108.2 | 96.3 | 89.0 | 85.9 | 85.5 |
| 122.5° | 275.4 | 262.8 | 230.5 | 194.1 | 158.0 | 130.0 | 111.2 | 99.7 | 92.1 | 88.6 | 88.2 |
| 125° | 260.5 | 249.7 | 221.7 | 188.7 | 156.9 | 131.2 | 113.2 | 100.9 | 93.2 | 89.4 | 89.0 |
| 127.5° | 245.9 | 235.5 | 211.4 | 182.2 | 153.8 | 130.0 | 112.8 | 100.9 | 93.2 | 89.0 | 88.6 |
| 130° | 230.2 | 221.0 | 199.1 | 174.2 | 148.8 | 127.4 | 111.2 | 99.4 | 91.7 | 87.5 | 87.1 |
| 132.5° | 214.0 | 206.4 | 187.2 | 165.3 | 142.7 | 123.1 | 107.8 | 96.7 | 89.0 | 85.2 | 84.8 |
| 135° | 198.3 | 191.4 | 174.9 | 155.4 | 136.2 | 118.1 | 104.0 | 93.2 | 85.5 | 82.1 | 82.1 |
| 137.5° | 183.4 | 176.8 | 162.3 | 145.8 | 128.5 | 112.4 | 99.4 | 89.0 | 82.5 | 79.0 | 78.3 |
| 140° | 168.0 | 162.6 | 150.0 | 135.4 | 120.4 | 106.3 | 94.4 | 84.8 | 78.6 | 75.6 | 75.2 |
| 142.5° | 153.8 | 149.2 | 138.5 | 126.6 | 112.8 | 100.5 | 89.4 | 81.3 | 75.6 | 72.5 | 72.1 |
| 145° | 140.4 | 136.2 | 127.0 | 116.2 | 105.1 | 94.4 | 84.4 | 77.1 | 72.1 | 69.8 | 69.4 |
| 147.5° | 127.0 | 124.3 | 116.6 | 107.8 | 97.4 | 87.8 | 79.8 | 73.7 | 69.0 | 67.1 | 66.7 |
| 150° | 115.8 | 112.4 | 106.6 | 98.6 | 90.5 | 82.5 | 75.6 | 70.2 | 66.7 | 64.8 | 64.8 |
| 152.5° | 104.7 | 102.8 | 97.1 | 90.9 | 84.0 | 77.5 | 71.3 | 67.1 | 64.4 | 62.9 | 62.9 |
| 155° | 96.3 | 93.6 | 88.6 | 83.6 | 77.9 | 72.5 | 68.3 | 64.8 | 62.5 | 61.4 | 61.0 |
| 157.5° | 87.5 | 85.9 | 82.1 | 77.5 | 73.3 | 69.0 | 65.6 | 62.9 | 61.0 | 60.2 | 59.8 |
| 160° | 80.2 | 79.0 | 76.0 | 72.5 | 69.0 | 66.0 | 63.3 | 61.4 | 59.8 | 59.1 | 59.1 |
| 162.5° | 74.0 | 73.3 | 70.6 | 68.3 | 65.6 | 63.3 | 61.4 | 59.8 | 59.1 | 58.7 | 58.7 |
| 165° | 69.4 | 68.7 | 66.7 | 64.8 | 63.3 | 61.4 | 60.2 | 59.1 | 58.3 | 58.3 | 58.3 |
| 167.5° | 65.6 | 64.8 | 63.7 | 62.5 | 61.4 | 59.8 | 59.1 | 58.3 | 58.3 | 57.9 | 57.9 |
| 170° | 62.5 | 62.1 | 61.0 | 60.2 | 59.5 | 58.7 | 58.3 | 57.9 | 57.5 | 57.5 | 57.5 |
| 172.5° | 60.2 | 59.8 | 59.1 | 58.7 | 57.9 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| 175° | 58.3 | 57.9 | 57.9 | 57.5 | 57.2 | 57.2 | 56.8 | 57.2 | 57.2 | 57.2 | 57.2 |
| 177.5° | 57.2 | 57.2 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 57.2 | 57.2 | 57.5 | 57.5 |
| 180° | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |

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

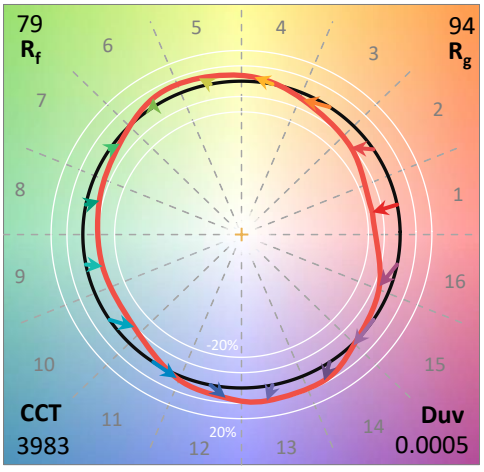
## Test Information

| | |
|---|---|
| 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

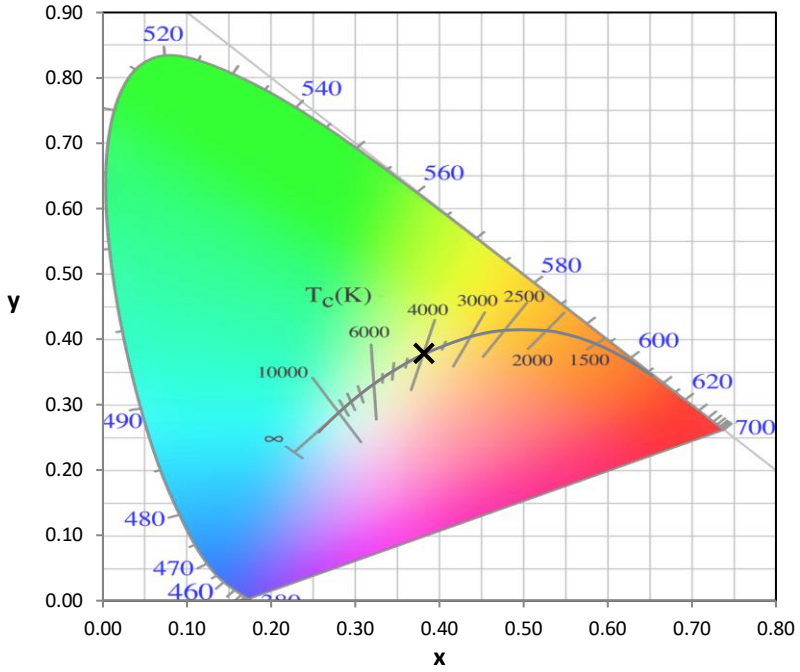
| | |
|---|---|
| Stabilization Time: | 20M |
| Operation Time: | 1H 20M |
| Sphere Temperature (°C): | 24.8 |

REPORT NUMBER: SP1-2501-332-11

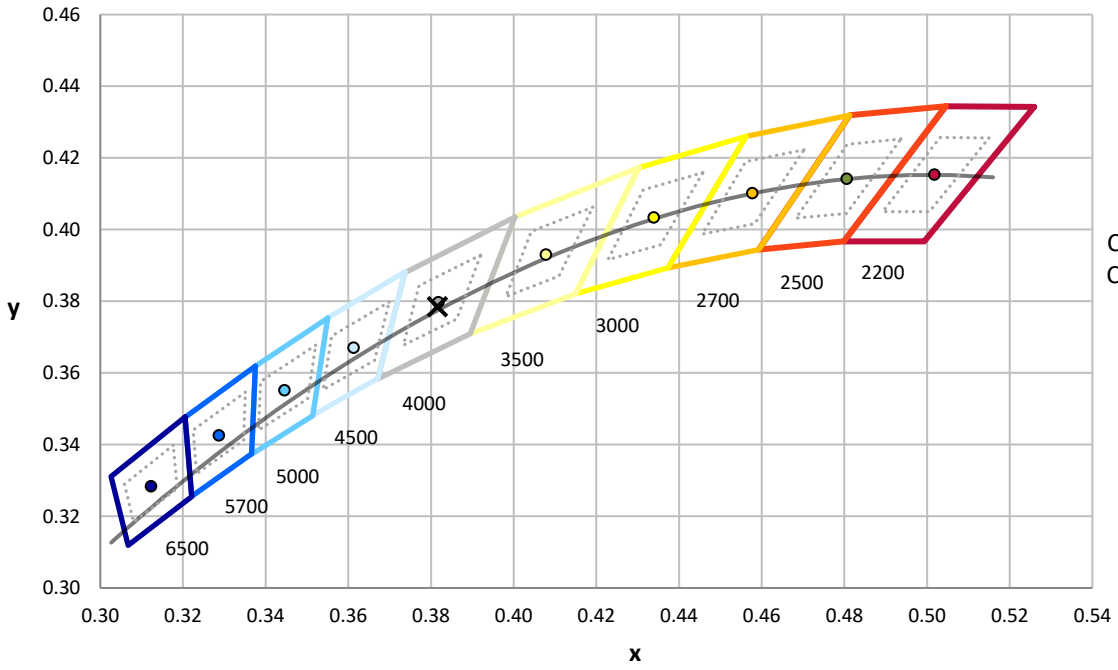
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 12/16/2024 | 6/16/2025 |
| Power Meter | INXT2011004 | 1/21/2025 | 1/21/2026 |
| AC Power Source | IN0063 | 10/22/2024 | 10/22/2025 |
| DC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

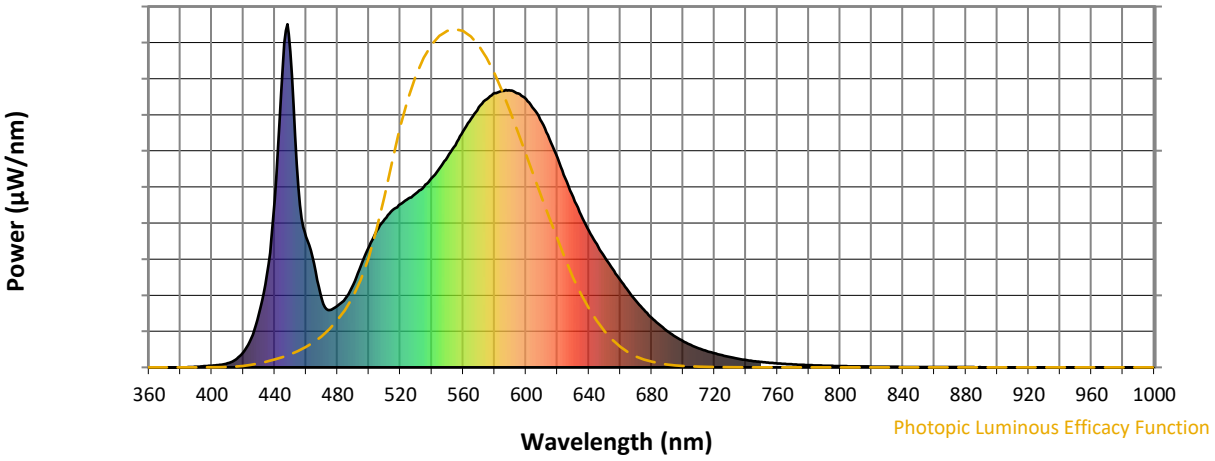



CCT = 3983K
CIE x = 0.3815
CIE y = 0.3785
Duv = 0.0005

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-11

## Photopic Flux vs. Wavelength

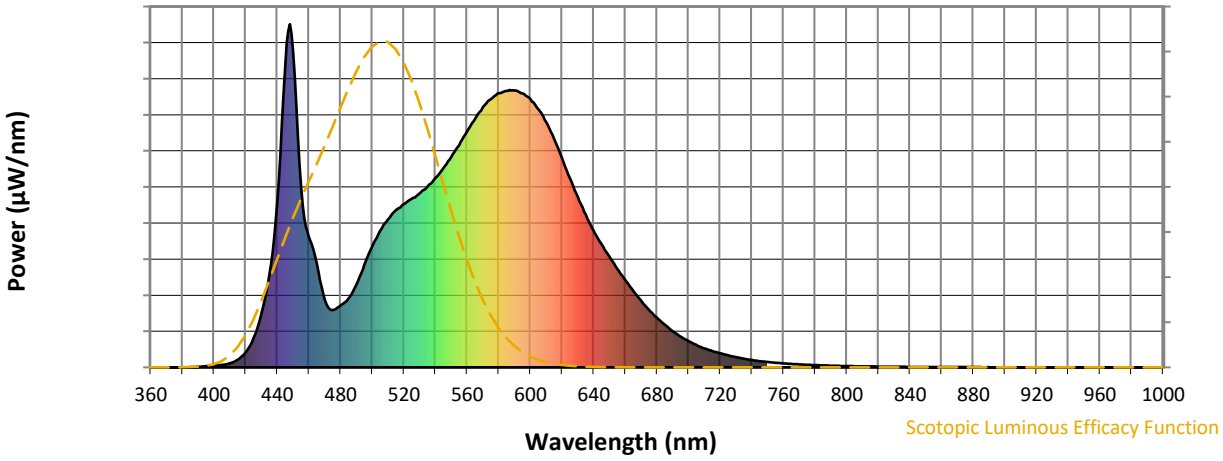



## Photopic Lumens: NR

| 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

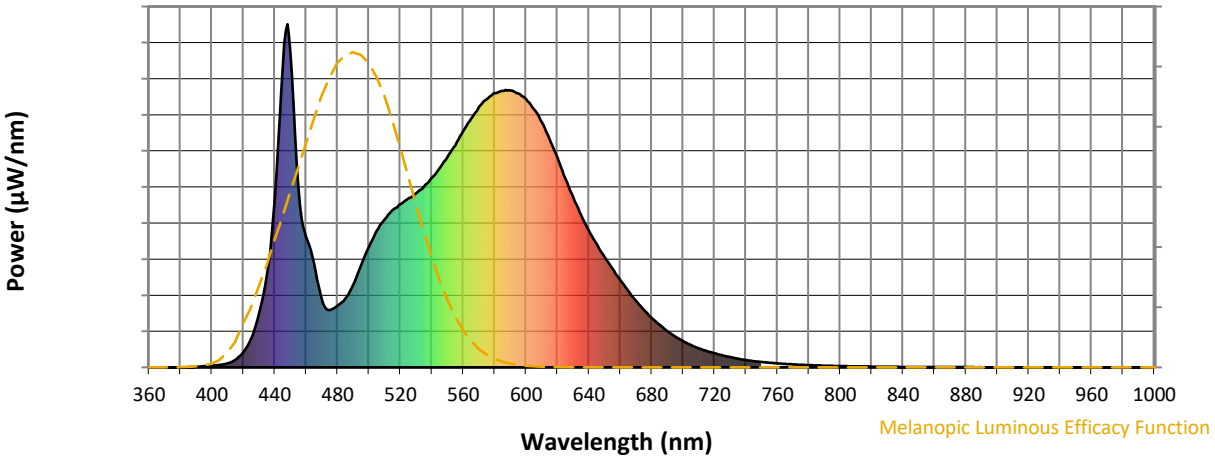



**Scotopic Lumens: NR** **S/P: 1.61**

| 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 | | | |

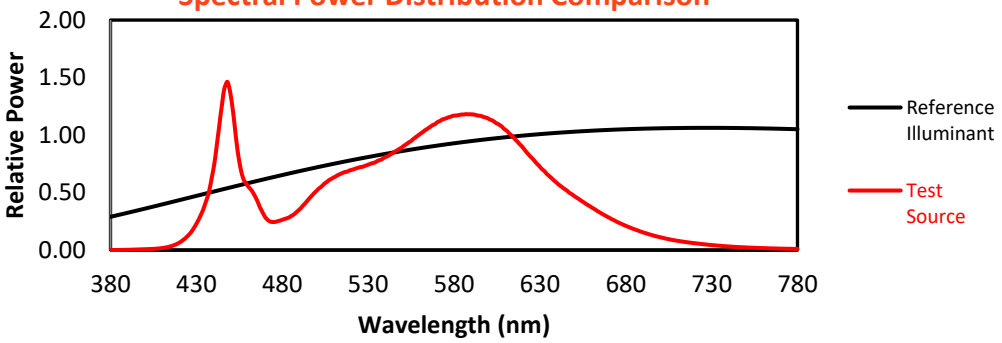
REPORT NUMBER: SP1-2501-332-11

# TM-30-18

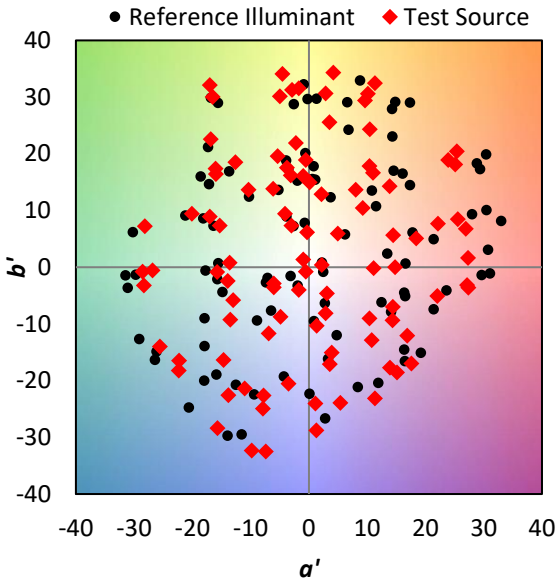
## Summary

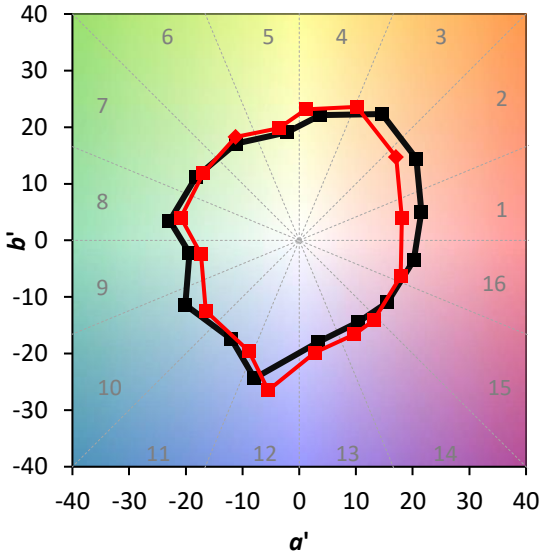
$R_f$ = 79
$R_g$ = 94.1
CIE $R_a$ = 76.2
$R_9$ = -26.0

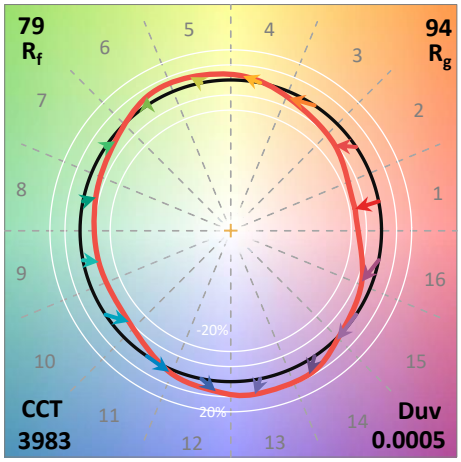
## Spectral Power Distribution Comparison

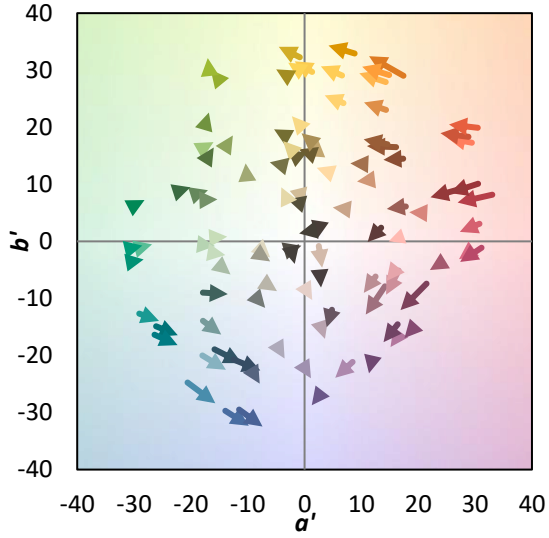



## Color Vector Graphics



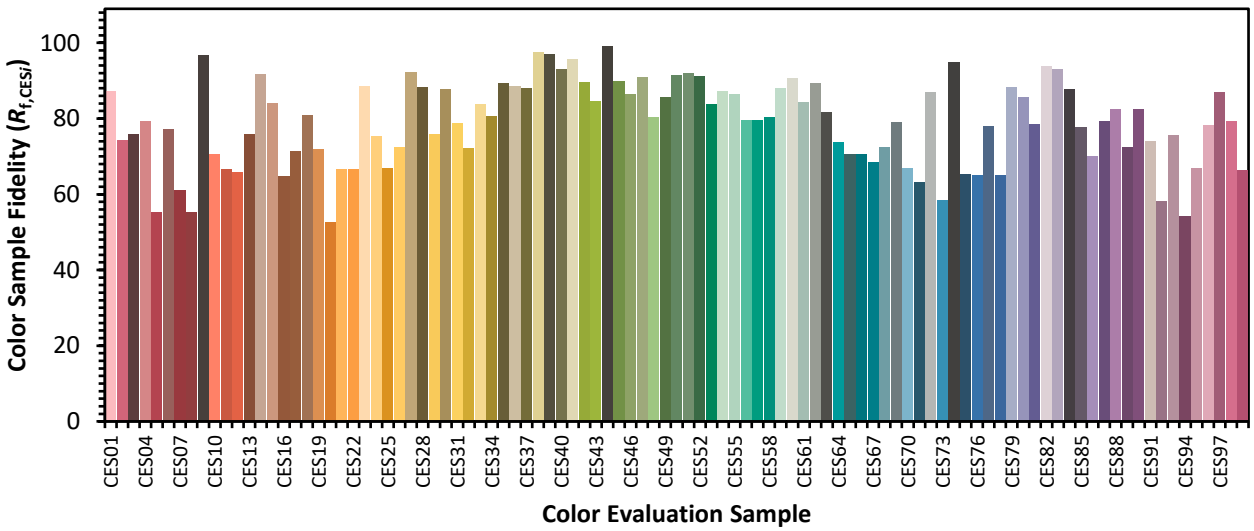



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**Individual Sample Fidelity Index ($R_{f,i}$)**

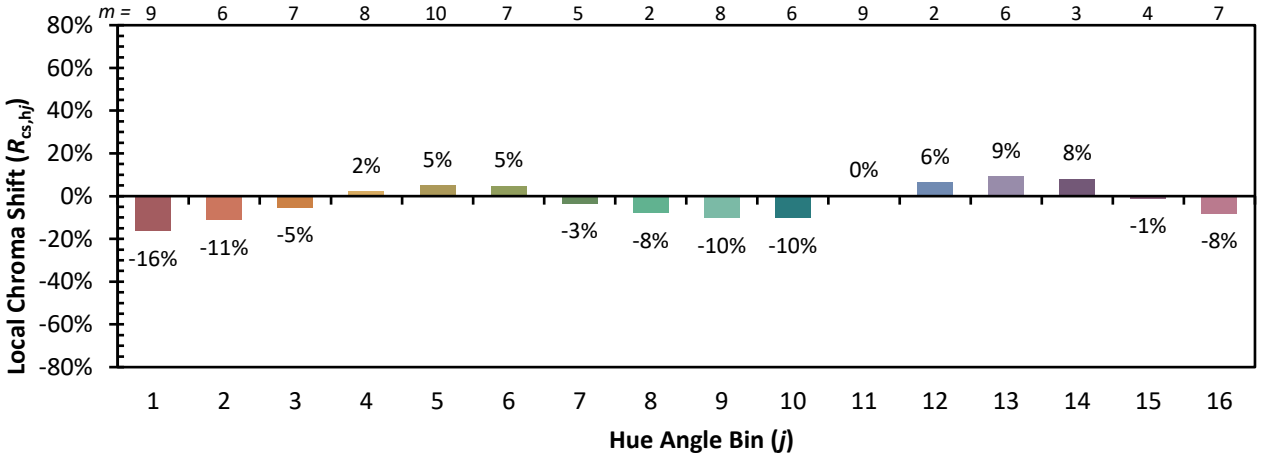
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 72 | CES51 = 92 | CES76 = 65 |
| CES02 = 61 | CES27 = 92 | CES52 = 91 | CES77 = 78 |
| CES03 = 30 | CES28 = 88 | CES53 = 84 | CES78 = 65 |
| CES04 = 70 | CES29 = 76 | CES54 = 87 | CES79 = 88 |
| CES05 = 47 | CES30 = 88 | CES55 = 86 | CES80 = 86 |
| CES06 = 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 | |

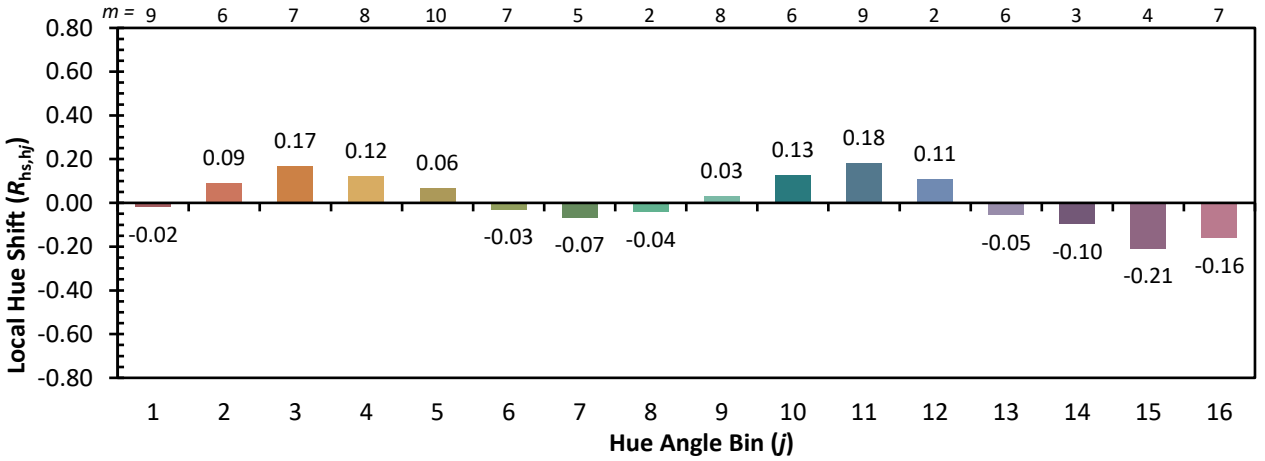


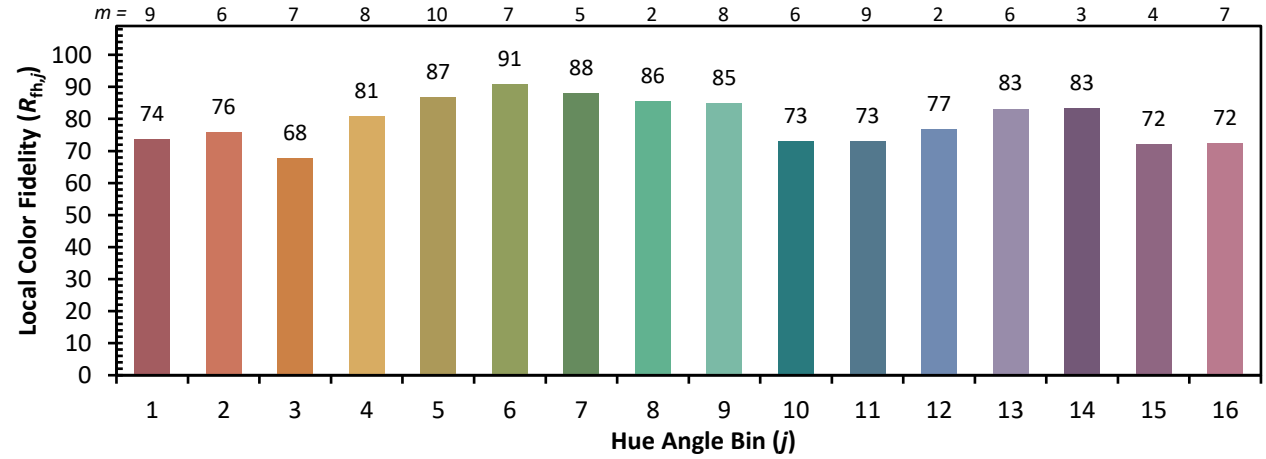
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## Color Rendition by Hue-Angle Bin



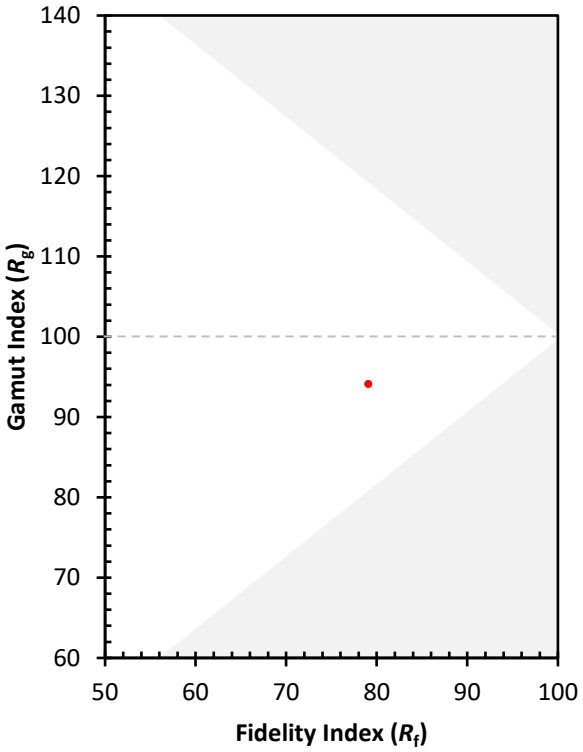



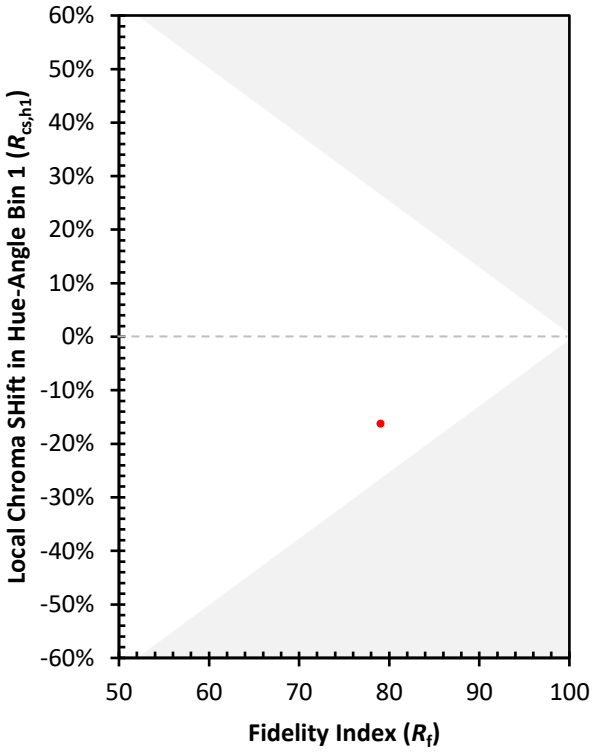



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## Measure Comparisons




(END OF REPORT)