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: P1045932

Luminaire Tested: **FFX-CLB-80-730-U-FG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1045932 |
| Test Lab: | INNOVATION CENTER(G3) |
| Issue Date: | 07/01/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | FFX-CLB-80-730-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: | 8947.6 lumens |
| Efficiency: | N/A |
| Efficacy: | 109.4 lumens/watt |
| Luminous Opening: | Vertical Cylinder (Dia: 1.33' x H: 2.08') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U5 - G5 |

| | |
|---|---|
| Input Watts (W): | 81.8 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.99 |
| Total Harmonic Distortion (THDi): | 6.01% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

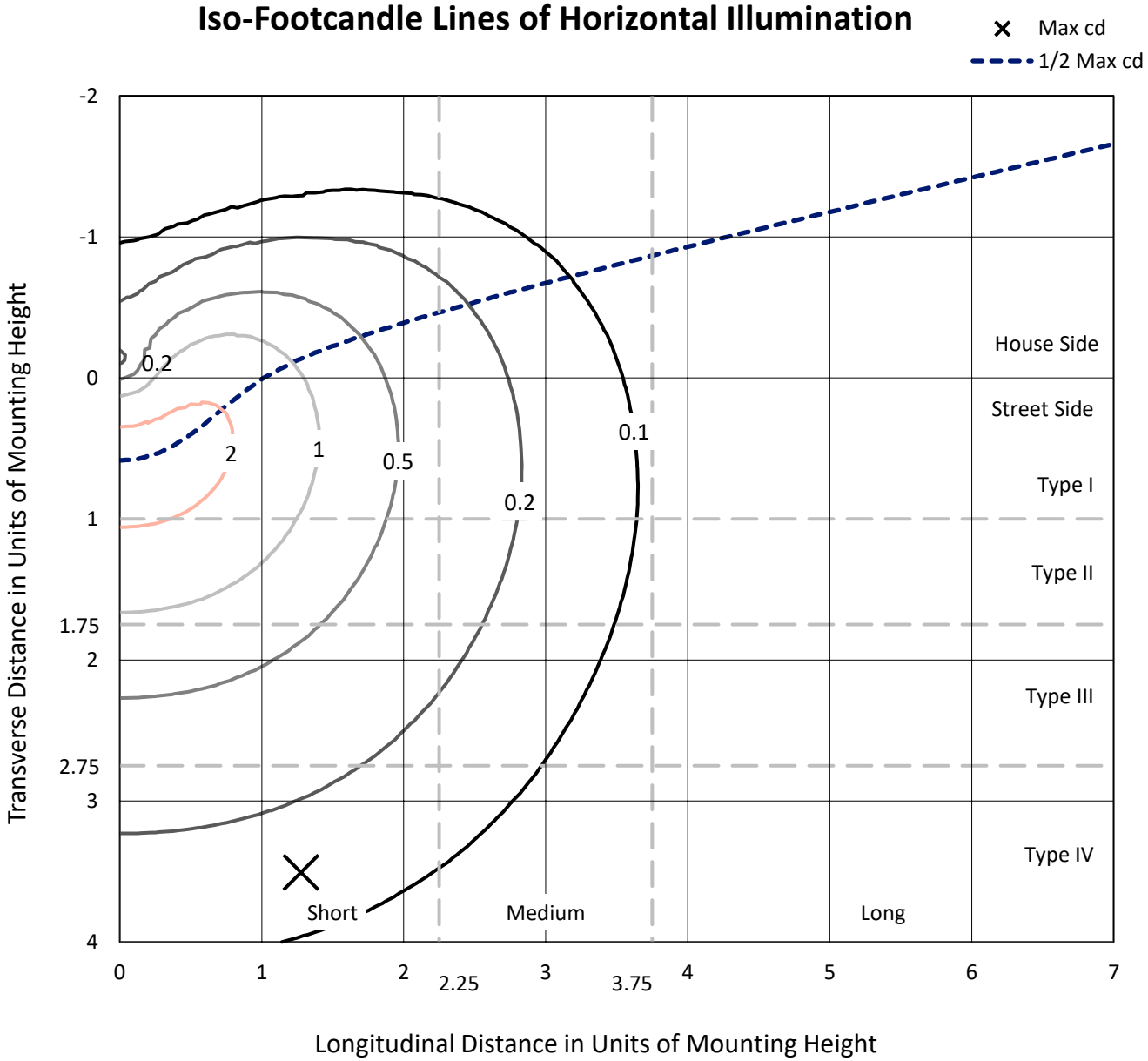


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REPORT NUMBER: P1045932
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## Iso-Footcandle Lines of Horizontal Illumination



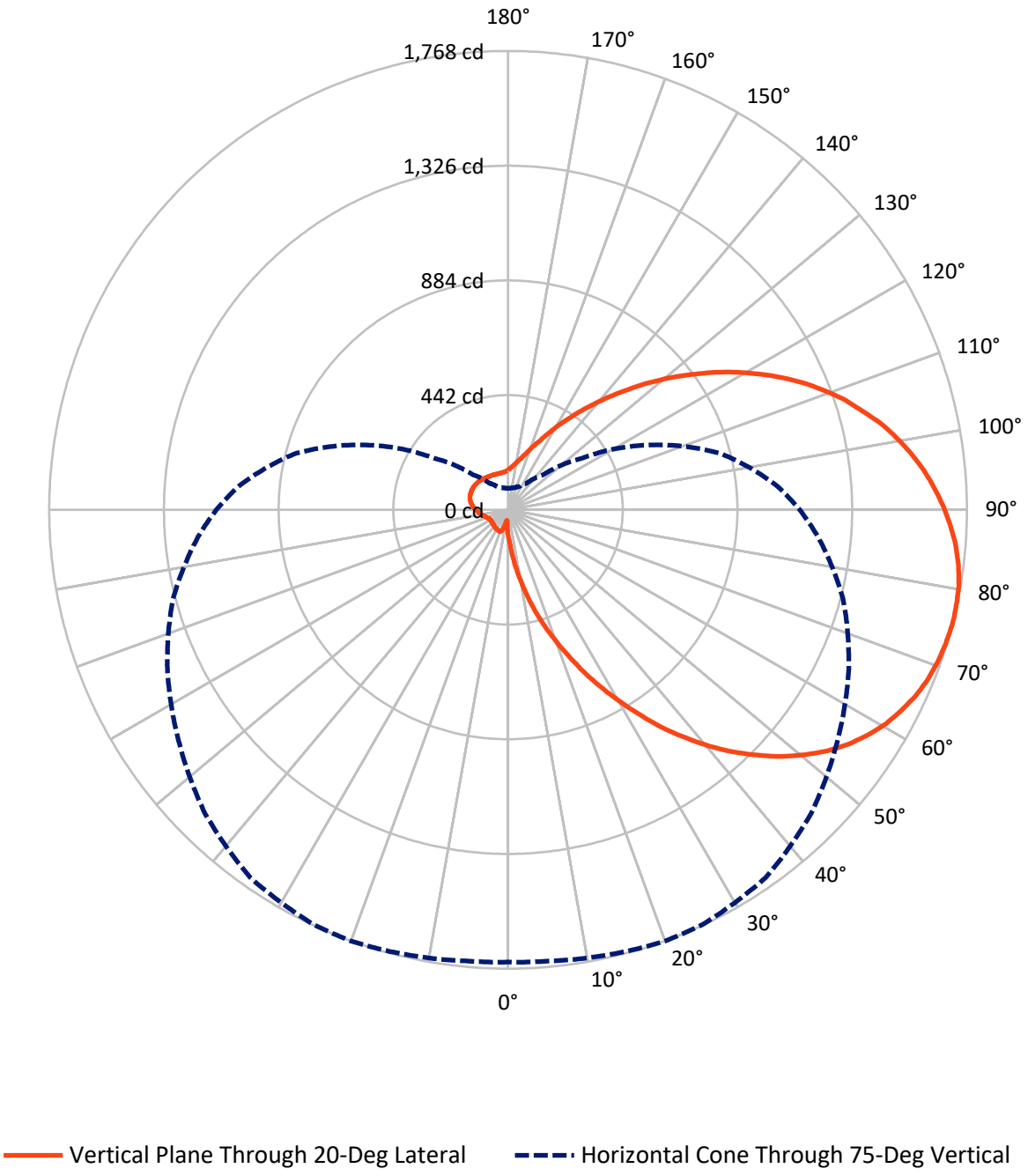

Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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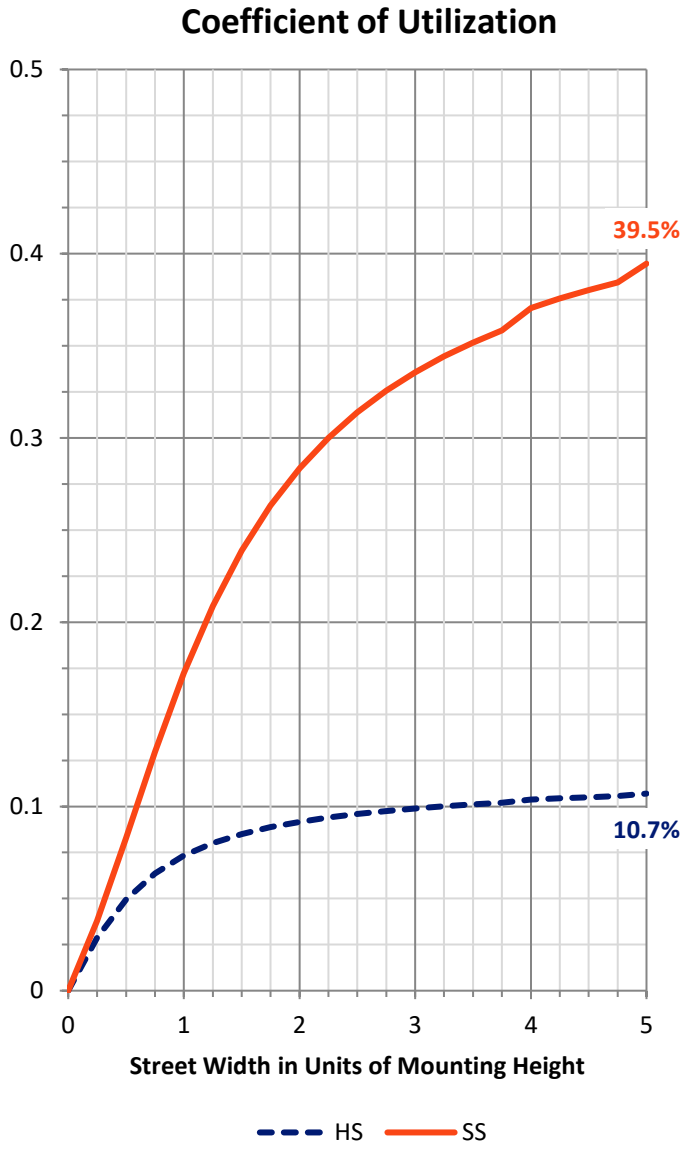
REPORT NUMBER: P1045932
CATALOG NUMBER: FFX-CLB-80-730-U-FG-T5-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1034.5 | 984.1 | 2018.6 |
| | % Fixture | 11.6 | 11.0 | 22.6 |
| **Street Side** | Lumens | 4062.0 | 2867.0 | 6929.1 |
| | % Fixture | 45.4 | 32.0 | 77.4 |
| **Total** | Lumens | 5096.5 | 3851.1 | 8947.6 |
| | % Fixture | 57.0 | 43.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 12.7 | 0.1 |
| 10°-20° | 74.6 | 0.8 |
| 20°-30° | 197.7 | 2.2 |
| 30°-40° | 381.9 | 4.3 |
| 40°-50° | 598.2 | 6.7 |
| 50°-60° | 799.8 | 8.9 |
| 60°-70° | 947.8 | 10.6 |
| 70°-80° | 1032.6 | 11.5 |
| 80°-90° | 1051.2 | 11.7 |
| 90°-100° | 996.8 | 11.1 |
| 100°-110° | 881.4 | 9.9 |
| 110°-120° | 715.8 | 8.0 |
| 120°-130° | 526.8 | 5.9 |
| 130°-140° | 349.3 | 3.9 |
| 140°-150° | 205.9 | 2.3 |
| 150°-160° | 108.8 | 1.2 |
| 160°-170° | 51.3 | 0.6 |
| 170°-180° | 15.0 | 0.2 |
| 0°-90° | 5096.5 | 57.0 |
| 0°-180° | 8947.6 | 100.0 |



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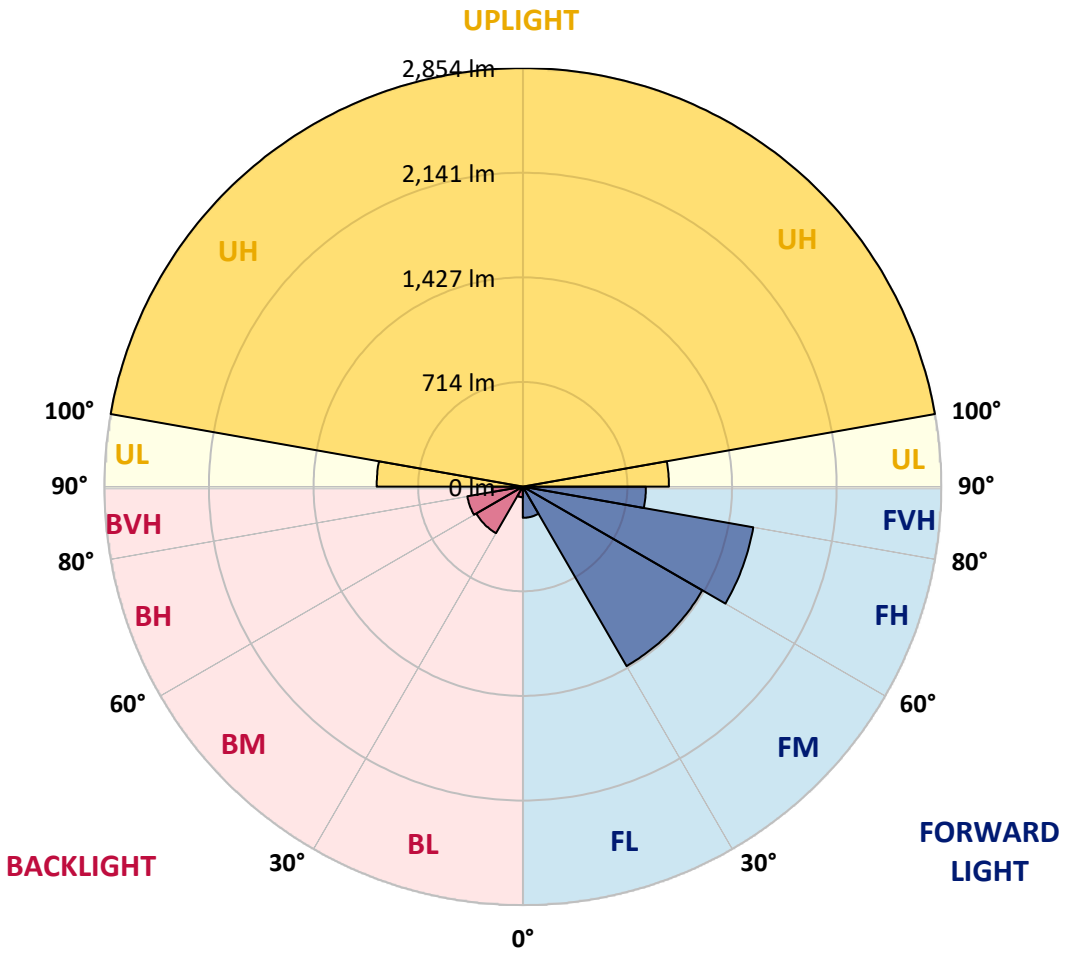
Scaled Data Report

REPORT NUMBER: P1045932
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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°) | 212.9 | 2.4 | | | |
| FM | (30°-60°) | 1413.7 | 15.8 | | | |
| FH | (60°-80°) | 1596.2 | 17.8 | | | G1/1800 |
| FVH | (80°-90°) | 839.3 | 9.4 | | | G5 |
| BL | (0°-30°) | 72.2 | 0.8 | B0/110 | | |
| BM | (30°-60°) | 366.2 | 4.1 | B1/1000 | | |
| BH | (60°-80°) | 384.2 | 4.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 211.9 | 2.4 | | | G2/225 |
| UL | (90°-100°) | 996.8 | 11.1 | | U4/1000 | |
| UH | (100°-180°) | 2854.3 | 31.9 | | U5 | |

**BUG Rating: B1-U5-G5**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 |
| 2.5° | 125.0 | 125.0 | 126.0 | 126.0 | 126.9 | 125.0 | 122.2 | 120.3 | 117.5 | 110.9 | 105.3 |
| 5° | 173.9 | 174.9 | 173.0 | 173.9 | 174.9 | 170.2 | 163.6 | 155.1 | 142.9 | 131.6 | 119.4 |
| 7.5° | 233.2 | 236.0 | 231.3 | 230.3 | 227.5 | 220.0 | 210.6 | 197.4 | 184.3 | 169.2 | 151.4 |
| 10° | 298.0 | 297.1 | 291.5 | 284.9 | 283.0 | 273.6 | 261.4 | 249.1 | 229.4 | 210.6 | 191.8 |
| 12.5° | 359.1 | 358.2 | 353.5 | 348.8 | 346.0 | 333.8 | 318.7 | 304.6 | 283.9 | 259.5 | 236.0 |
| 15° | 423.1 | 424.0 | 419.3 | 416.5 | 410.9 | 398.6 | 386.4 | 365.7 | 345.0 | 316.8 | 288.6 |
| 17.5° | 487.0 | 488.9 | 484.2 | 482.3 | 477.6 | 467.3 | 451.3 | 429.7 | 403.3 | 370.4 | 334.7 |
| 20° | 557.5 | 559.4 | 556.6 | 550.0 | 544.4 | 533.1 | 519.0 | 491.7 | 462.6 | 428.7 | 382.6 |
| 22.5° | 632.7 | 633.7 | 625.2 | 623.3 | 617.7 | 607.3 | 586.7 | 562.2 | 529.3 | 486.1 | 438.1 |
| 25° | 707.0 | 707.0 | 705.1 | 703.2 | 694.8 | 682.6 | 661.9 | 631.8 | 595.1 | 549.1 | 492.6 |
| 27.5° | 786.9 | 787.9 | 783.2 | 781.3 | 774.7 | 758.7 | 737.1 | 704.2 | 666.6 | 611.1 | 547.2 |
| 30° | 871.5 | 870.6 | 865.9 | 862.1 | 859.3 | 843.3 | 818.9 | 785.0 | 738.0 | 674.1 | 609.2 |
| 32.5° | 956.2 | 953.3 | 950.5 | 946.8 | 945.8 | 925.1 | 905.4 | 864.0 | 815.1 | 747.4 | 669.4 |
| 35° | 1042.6 | 1036.1 | 1034.2 | 1035.1 | 1030.4 | 1013.5 | 984.4 | 943.9 | 887.5 | 817.0 | 728.6 |
| 37.5° | 1117.9 | 1123.5 | 1118.8 | 1115.0 | 1116.0 | 1097.2 | 1066.2 | 1021.0 | 961.8 | 883.8 | 788.8 |
| 40° | 1201.5 | 1197.8 | 1197.8 | 1197.8 | 1195.0 | 1178.0 | 1145.1 | 1095.3 | 1027.6 | 944.9 | 841.5 |
| 42.5° | 1273.9 | 1273.9 | 1278.6 | 1275.8 | 1273.0 | 1253.2 | 1217.5 | 1162.0 | 1090.6 | 1001.3 | 892.2 |
| 45° | 1348.2 | 1346.3 | 1352.0 | 1348.2 | 1346.3 | 1325.6 | 1288.0 | 1230.7 | 1155.5 | 1057.7 | 943.0 |
| 47.5° | 1416.8 | 1417.8 | 1419.7 | 1419.7 | 1417.8 | 1394.3 | 1354.8 | 1287.1 | 1210.9 | 1106.6 | 986.2 |
| 50° | 1476.1 | 1480.8 | 1486.4 | 1482.6 | 1484.5 | 1459.1 | 1415.0 | 1346.3 | 1257.9 | 1152.6 | 1024.8 |
| 52.5° | 1534.4 | 1534.4 | 1541.9 | 1541.9 | 1540.0 | 1515.6 | 1465.7 | 1393.3 | 1305.9 | 1194.0 | 1060.5 |
| 55° | 1584.2 | 1585.1 | 1591.7 | 1592.6 | 1591.7 | 1563.5 | 1510.9 | 1432.8 | 1341.6 | 1228.8 | 1089.7 |
| 57.5° | 1621.8 | 1624.6 | 1633.1 | 1635.9 | 1632.1 | 1606.8 | 1547.5 | 1468.5 | 1371.7 | 1256.1 | 1115.0 |
| 60° | 1655.6 | 1659.4 | 1668.8 | 1672.6 | 1669.7 | 1642.5 | 1580.4 | 1495.8 | 1396.2 | 1279.6 | 1136.7 |
| 62.5° | 1685.7 | 1686.7 | 1698.9 | 1700.8 | 1699.8 | 1670.7 | 1604.9 | 1516.5 | 1415.9 | 1297.4 | 1155.5 |
| 65° | 1707.3 | 1710.2 | 1723.3 | 1726.2 | 1724.3 | 1693.2 | 1624.6 | 1533.4 | 1431.9 | 1312.5 | 1169.6 |
| 67.5° | 1724.3 | 1726.2 | 1739.3 | 1744.0 | 1742.1 | 1709.2 | 1638.7 | 1543.8 | 1441.3 | 1322.8 | 1180.9 |
| 70° | 1733.7 | 1736.5 | 1751.5 | 1755.3 | 1753.4 | 1720.5 | 1647.2 | 1548.5 | 1446.9 | 1330.3 | 1188.4 |
| 72.5° | 1739.3 | 1742.1 | 1758.1 | 1762.8 | 1761.9 | 1727.1 | 1650.9 | 1550.3 | 1448.8 | 1334.1 | 1194.0 |
| 75° | 1742.1 | 1745.0 | 1760.9 | 1767.5 | 1764.7 | 1729.9 | 1651.9 | 1549.4 | 1447.9 | 1336.9 | 1198.7 |
| 76° | 1742.1 | 1744.0 | 1760.9 | 1767.5 | 1764.7 | 1729.9 | 1651.9 | 1547.5 | 1446.9 | 1337.9 | 1200.6 |
| 77.5° | 1740.3 | 1743.1 | 1760.0 | 1765.6 | 1763.8 | 1729.0 | 1649.1 | 1543.8 | 1444.1 | 1336.0 | 1201.5 |
| 80° | 1735.6 | 1738.4 | 1754.4 | 1760.9 | 1758.1 | 1722.4 | 1642.5 | 1536.2 | 1436.6 | 1332.2 | 1201.5 |
| 82.5° | 1725.2 | 1728.0 | 1743.1 | 1747.8 | 1746.8 | 1711.1 | 1630.3 | 1523.1 | 1425.3 | 1325.6 | 1199.7 |
| 85° | 1709.2 | 1712.0 | 1724.3 | 1729.9 | 1727.1 | 1693.2 | 1612.4 | 1505.2 | 1411.2 | 1315.3 | 1194.0 |
| 87.5° | 1687.6 | 1689.5 | 1702.6 | 1704.5 | 1703.6 | 1669.7 | 1589.8 | 1482.6 | 1392.4 | 1301.2 | 1184.6 |
| 90° | 1661.3 | 1663.2 | 1673.5 | 1676.3 | 1673.5 | 1641.5 | 1560.7 | 1458.2 | 1368.9 | 1284.3 | 1173.3 |
| 92.5° | 1634.0 | 1633.1 | 1640.6 | 1643.4 | 1640.6 | 1608.6 | 1530.6 | 1429.1 | 1344.4 | 1265.5 | 1159.2 |
| 95° | 1602.0 | 1603.9 | 1605.8 | 1607.7 | 1603.9 | 1572.9 | 1496.8 | 1397.1 | 1318.1 | 1244.8 | 1146.1 |
| 97.5° | 1566.3 | 1565.4 | 1567.3 | 1567.3 | 1563.5 | 1532.5 | 1458.2 | 1366.1 | 1288.0 | 1222.2 | 1128.2 |
| 100° | 1528.7 | 1527.8 | 1525.9 | 1522.1 | 1518.4 | 1488.3 | 1419.7 | 1327.5 | 1257.0 | 1195.0 | 1110.3 |
| 102.5° | 1487.3 | 1481.7 | 1476.1 | 1475.1 | 1466.7 | 1441.3 | 1375.5 | 1290.9 | 1224.1 | 1169.6 | 1087.8 |
| 105° | 1436.6 | 1434.7 | 1426.2 | 1418.7 | 1414.0 | 1385.8 | 1325.6 | 1250.4 | 1189.3 | 1138.5 | 1063.3 |
| 107.5° | 1384.9 | 1381.1 | 1368.9 | 1366.1 | 1356.7 | 1331.3 | 1276.8 | 1210.0 | 1154.5 | 1107.5 | 1034.2 |

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**CANDELA DISTRIBUTION (continued):**

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 1329.4 | 1327.5 | 1314.4 | *1305.9* | 1298.4 | 1270.2 | 1223.2 | 1166.8 | 1116.0 | 1072.7 | 1001.3 |
| 112.5° | 1267.3 | 1265.5 | 1251.4 | *1244.8* | 1233.5 | 1211.9 | 1167.7 | 1116.9 | 1073.7 | 1034.2 | 965.6 |
| 115° | 1204.4 | 1203.4 | 1187.4 | *1179.0* | 1168.6 | 1142.3 | 1106.6 | 1067.1 | 1028.5 | 989.1 | 922.3 |
| 117.5° | 1141.4 | 1136.7 | 1120.7 | *1110.3* | 1100.0 | 1076.5 | 1047.3 | 1016.3 | 980.6 | 943.9 | 878.1 |
| 120° | 1069.9 | 1069.0 | 1051.1 | *1042.6* | 1033.2 | 1011.6 | 986.2 | 957.1 | 928.9 | 892.2 | 833.9 |
| 122.5° | 1001.3 | 1000.3 | 984.4 | *974.0* | 961.8 | 944.9 | 924.2 | 901.6 | 876.2 | 840.5 | 783.2 |
| 125° | 931.7 | 929.8 | 912.9 | *902.6* | 892.2 | 878.1 | 858.4 | 842.4 | 821.7 | 787.9 | 733.3 |
| 127.5° | 861.2 | 857.4 | 847.1 | *836.8* | 825.5 | 807.6 | 801.0 | 786.9 | 764.4 | 731.5 | 683.5 |
| 130° | 795.4 | 793.5 | 779.4 | *770.0* | 758.7 | 744.6 | 739.0 | 727.7 | 711.7 | 681.6 | 636.5 |
| 132.5° | 726.8 | 724.9 | 716.4 | *707.0* | 697.6 | 683.5 | 680.7 | 670.3 | 654.4 | 629.9 | 587.6 |
| 135° | 665.6 | 663.8 | 654.4 | *644.0* | 639.3 | 629.0 | 625.2 | 616.8 | 601.7 | 577.3 | 540.6 |
| 137.5° | 606.4 | 605.5 | 596.1 | *587.6* | 582.0 | 574.4 | 570.7 | 563.2 | 551.9 | 530.3 | 496.4 |
| 140° | 552.8 | 548.1 | 540.6 | *533.1* | 527.4 | 519.9 | 518.0 | 511.5 | 503.0 | 482.3 | 457.9 |
| 142.5° | 499.2 | 496.4 | 490.8 | *484.2* | 480.4 | 472.0 | 467.3 | 464.4 | 453.2 | 437.2 | 417.4 |
| 145° | 446.6 | 446.6 | 441.9 | *437.2* | 431.5 | 425.9 | 422.1 | 419.3 | 409.9 | 395.8 | 377.0 |
| 147.5° | 402.4 | 402.4 | 398.6 | *396.8* | 392.1 | 384.5 | 381.7 | 378.9 | 370.4 | 359.1 | 344.1 |
| 150° | 364.8 | 362.9 | 360.1 | *357.3* | 353.5 | 346.9 | 342.2 | 339.4 | 332.8 | 324.4 | 310.3 |
| 152.5° | 327.2 | 327.2 | 325.3 | *321.5* | 318.7 | 314.0 | 310.3 | 306.5 | 301.8 | 292.4 | 281.1 |
| 155° | 295.2 | 295.2 | 292.4 | *290.5* | 288.6 | 284.9 | 281.1 | 277.4 | 271.7 | 264.2 | 255.7 |
| 157.5° | 268.9 | 268.9 | 267.0 | *266.1* | 262.3 | 260.4 | 256.7 | 252.9 | 247.3 | 240.7 | 233.2 |
| 160° | 244.4 | 245.4 | 244.4 | *243.5* | 240.7 | 237.9 | 234.1 | 230.3 | 225.6 | 220.0 | 214.4 |
| 162.5° | 224.7 | 225.6 | 223.8 | *222.8* | 220.9 | 218.1 | 214.4 | 212.5 | 208.7 | 202.1 | 196.5 |
| 165° | 207.8 | 207.8 | 206.8 | *205.9* | 205.0 | 201.2 | 199.3 | 197.4 | 193.7 | 189.0 | 184.3 |
| 167.5° | 194.6 | 194.6 | 193.7 | *193.7* | 191.8 | 189.9 | 187.1 | 185.2 | 181.5 | 178.6 | 173.0 |
| 170° | 183.3 | 183.3 | 182.4 | *181.5* | 180.5 | 178.6 | 176.8 | 173.9 | 172.1 | 168.3 | 165.5 |
| 172.5° | 173.9 | 173.9 | 173.0 | *172.1* | 172.1 | 169.2 | 168.3 | 166.4 | 164.5 | 161.7 | 158.9 |
| 175° | 166.4 | 165.5 | 165.5 | *164.5* | 163.6 | 161.7 | 160.8 | 159.8 | 157.9 | 157.0 | 155.1 |
| 177.5° | 159.8 | 159.8 | 158.9 | *158.9* | 157.9 | 156.1 | 156.1 | 155.1 | 154.2 | 153.2 | 152.3 |
| 180° | 151.4 | 151.4 | 151.4 | *151.4* | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 |
| 2.5° | 102.5 | 99.7 | 92.1 | 85.6 | 80.9 | 74.3 | 68.6 | 66.8 | 65.8 | 64.9 | 64.9 |
| 5° | 112.8 | 107.2 | 94.0 | 81.8 | 70.5 | 61.1 | 52.6 | 44.2 | 37.6 | 33.8 | 32.0 |
| 7.5° | 142.0 | 135.4 | 117.5 | 101.5 | 85.6 | 71.5 | 57.4 | 47.0 | 37.6 | 32.0 | 32.0 |
| 10° | 180.5 | 171.1 | 148.5 | 126.0 | 106.2 | 85.6 | 68.6 | 54.5 | 46.1 | 41.4 | 41.4 |
| 12.5° | 220.9 | 208.7 | 182.4 | 153.2 | 126.0 | 102.5 | 81.8 | 66.8 | 57.4 | 53.6 | 53.6 |
| 15° | 268.9 | 252.9 | 219.1 | 182.4 | 149.5 | 121.3 | 97.8 | 80.9 | 69.6 | 64.9 | 63.9 |
| 17.5° | 315.0 | 294.3 | 253.8 | 212.5 | 173.0 | 139.1 | 111.9 | 90.3 | 78.0 | 71.5 | 70.5 |
| 20° | 363.8 | 338.5 | 290.5 | 239.7 | 194.6 | 153.2 | 120.3 | 96.8 | 80.9 | 73.3 | 72.4 |
| 22.5° | 409.0 | 381.7 | 324.4 | 265.1 | 211.5 | 163.6 | 125.0 | 97.8 | 79.9 | 71.5 | 70.5 |
| 25° | 460.7 | 429.7 | 362.0 | 292.4 | 229.4 | 172.1 | 128.8 | 97.8 | 79.0 | 69.6 | 68.6 |
| 27.5° | 513.3 | 476.7 | 400.5 | 319.7 | 245.4 | 181.5 | 131.6 | 97.8 | 77.1 | 67.7 | 66.8 |
| 30° | 568.8 | 528.4 | 437.2 | 347.9 | 262.3 | 189.0 | 134.4 | 96.8 | 76.2 | 65.8 | 64.9 |
| 32.5° | 625.2 | 578.2 | 477.6 | 375.1 | 279.2 | 196.5 | 136.3 | 96.8 | 74.3 | 64.9 | 63.0 |
| 35° | 682.6 | 628.0 | 518.0 | 403.3 | 294.3 | 203.1 | 137.3 | 95.9 | 73.3 | 63.0 | 62.1 |
| 37.5° | 733.3 | 676.9 | 555.6 | 428.7 | 308.4 | 207.8 | 138.2 | 95.0 | 72.4 | 62.1 | 61.1 |
| 40° | 785.0 | 723.9 | 591.4 | 451.3 | 318.7 | 210.6 | 137.3 | 94.0 | 70.5 | 61.1 | 60.2 |
| 42.5° | 832.1 | 766.2 | 624.3 | 472.9 | 328.1 | 213.4 | 136.3 | 92.1 | 69.6 | 60.2 | 59.2 |
| 45° | 877.2 | 807.6 | 655.3 | 491.7 | 336.6 | 214.4 | 134.4 | 91.2 | 68.6 | 60.2 | 59.2 |
| 47.5° | 918.5 | 843.3 | 685.4 | 509.6 | 344.1 | 214.4 | 133.5 | 89.3 | 68.6 | 60.2 | 59.2 |
| 50° | 953.3 | 879.1 | 709.8 | 525.6 | 348.8 | 213.4 | 131.6 | 88.4 | 68.6 | 60.2 | 59.2 |
| 52.5° | 987.2 | 908.2 | 734.3 | 537.8 | 351.6 | 211.5 | 128.8 | 87.4 | 68.6 | 61.1 | 60.2 |
| 55° | 1014.4 | 934.5 | 755.0 | 550.9 | 354.4 | 209.7 | 126.9 | 86.5 | 68.6 | 61.1 | 61.1 |
| 57.5° | 1037.9 | 956.2 | 770.9 | 559.4 | 354.4 | 205.9 | 125.0 | 86.5 | 69.6 | 63.0 | 62.1 |
| 60° | 1060.5 | 975.9 | 787.9 | 566.9 | 354.4 | 203.1 | 123.2 | 86.5 | 70.5 | 63.9 | 63.0 |
| 62.5° | 1075.6 | 991.9 | 801.0 | 573.5 | 352.6 | 200.3 | 121.3 | 86.5 | 71.5 | 65.8 | 64.9 |
| 65° | 1090.6 | 1006.9 | 813.2 | 579.1 | 351.6 | 197.4 | 121.3 | 87.4 | 73.3 | 68.6 | 67.7 |
| 67.5° | 1101.9 | 1019.1 | 821.7 | 582.9 | 349.7 | 194.6 | 120.3 | 89.3 | 76.2 | 71.5 | 70.5 |
| 70° | 1111.3 | 1028.5 | 832.1 | 585.7 | 347.9 | 192.7 | 121.3 | 92.1 | 79.0 | 74.3 | 74.3 |
| 72.5° | 1118.8 | 1037.0 | 837.7 | 588.5 | 346.0 | 191.8 | 123.2 | 95.0 | 83.7 | 79.0 | 78.0 |
| 75° | *1123.5* | *1041.7* | *843.3* | *589.5* | *344.1* | *190.9* | *125.0* | *98.7* | *87.4* | *83.7* | *82.7* |
| 76° | 1124.4 | 1043.6 | 845.2 | 590.4 | 343.2 | 190.9 | 126.0 | 99.7 | 89.3 | 85.6 | 84.6 |
| 77.5° | 1127.3 | 1046.4 | 847.1 | 590.4 | 342.2 | 190.9 | 127.9 | 102.5 | 92.1 | 88.4 | 88.4 |
| 80° | 1129.1 | 1048.3 | 849.9 | 591.4 | 340.3 | 190.9 | 130.7 | 107.2 | 97.8 | 94.0 | 93.1 |
| 82.5° | 1128.2 | 1049.2 | 850.9 | 589.5 | 339.4 | 191.8 | 134.4 | 111.9 | 103.4 | 99.7 | 98.7 |
| 85° | 1124.4 | 1046.4 | 849.0 | 586.7 | 336.6 | 193.7 | 138.2 | 117.5 | 108.1 | 104.4 | 104.4 |
| 87.5° | 1117.9 | 1039.8 | 844.3 | 582.9 | 334.7 | 194.6 | 142.0 | 122.2 | 113.8 | 110.0 | 110.0 |
| 90° | 1108.5 | 1032.3 | 838.6 | 579.1 | 331.9 | 195.6 | 146.7 | 126.9 | 119.4 | 116.6 | 115.6 |
| 92.5° | 1097.2 | 1022.9 | 831.1 | 573.5 | 330.0 | 197.4 | 150.4 | 132.6 | 125.0 | 121.3 | 121.3 |
| 95° | 1085.9 | 1012.6 | 822.6 | 566.9 | 328.1 | 200.3 | 154.2 | 137.3 | 129.7 | 126.9 | 126.9 |
| 97.5° | 1069.9 | 998.5 | 811.4 | 559.4 | 325.3 | 201.2 | 158.9 | 142.0 | 135.4 | 131.6 | 131.6 |
| 100° | 1050.2 | 982.5 | 798.2 | 551.9 | 323.4 | 204.0 | 162.6 | 146.7 | 140.1 | 137.3 | 136.3 |
| 102.5° | 1030.4 | 963.7 | 784.1 | 543.4 | 320.6 | 205.0 | 166.4 | 151.4 | 143.8 | 141.0 | 141.0 |
| 105° | 1007.9 | 943.0 | 766.2 | 532.1 | 317.8 | 206.8 | 169.2 | 154.2 | 147.6 | 144.8 | 143.8 |
| 107.5° | 981.5 | 916.7 | 748.4 | 521.8 | 315.0 | 208.7 | 172.1 | 157.0 | 150.4 | 147.6 | 146.7 |

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

Scaled Data Report

REPORT NUMBER: P1045932
CATALOG NUMBER: FFX-CLB-80-730-U-FG-T5-HSS

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 951.5 | 892.2 | 726.8 | 510.5 | 313.1 | 211.5 | 174.9 | 158.9 | 152.3 | 148.5 | 148.5 |
| 112.5° | 916.7 | 857.4 | 703.2 | 497.3 | 313.1 | 215.3 | 176.8 | 160.8 | 153.2 | 149.5 | 149.5 |
| 115° | 875.3 | 820.8 | 675.0 | 485.1 | 312.1 | 219.1 | 180.5 | 161.7 | 153.2 | 150.4 | 149.5 |
| 117.5° | 834.9 | 782.2 | 646.8 | 472.9 | 315.0 | 225.6 | 184.3 | 163.6 | 153.2 | 149.5 | 149.5 |
| 120° | 789.7 | 741.8 | 617.7 | 460.7 | 318.7 | 232.2 | 189.0 | 164.5 | 153.2 | 148.5 | 148.5 |
| 122.5° | 742.7 | 698.5 | 589.5 | 449.4 | 321.5 | 239.7 | 192.7 | 166.4 | 152.3 | 147.6 | 146.7 |
| 125° | 698.5 | 654.4 | 557.5 | 438.1 | 324.4 | 246.3 | 197.4 | 167.4 | 151.4 | 145.7 | 144.8 |
| 127.5° | 649.7 | 615.8 | 529.3 | 425.9 | 326.2 | 252.0 | 201.2 | 168.3 | 150.4 | 143.8 | 142.9 |
| 130° | 607.3 | 574.4 | 501.1 | 412.7 | 324.4 | 253.8 | 202.1 | 167.4 | 148.5 | 142.0 | 142.0 |
| 132.5° | 560.3 | 534.0 | 470.1 | 395.8 | 319.7 | 253.8 | 203.1 | 167.4 | 147.6 | 141.0 | 140.1 |
| 135° | 519.0 | 494.5 | 440.9 | 377.0 | 311.2 | 250.1 | 201.2 | 166.4 | 146.7 | 140.1 | 139.1 |
| 137.5° | 480.4 | 456.9 | 409.9 | 357.3 | 299.0 | 243.5 | 197.4 | 164.5 | 145.7 | 139.1 | 138.2 |
| 140° | 439.1 | 422.1 | 381.7 | 335.6 | 285.8 | 236.0 | 192.7 | 162.6 | 145.7 | 139.1 | 138.2 |
| 142.5° | 401.5 | 387.3 | 350.7 | 312.1 | 268.9 | 224.7 | 187.1 | 159.8 | 144.8 | 139.1 | 138.2 |
| 145° | 367.6 | 351.6 | 323.4 | 288.6 | 252.0 | 214.4 | 181.5 | 157.9 | 143.8 | 139.1 | 138.2 |
| 147.5° | 334.7 | 320.6 | 297.1 | 267.0 | 236.9 | 204.0 | 175.8 | 155.1 | 143.8 | 139.1 | 138.2 |
| 150° | 301.8 | 292.4 | 271.7 | 247.3 | 220.0 | 193.7 | 170.2 | 153.2 | 143.8 | 140.1 | 139.1 |
| 152.5° | 273.6 | 267.0 | 249.1 | 229.4 | 205.9 | 183.3 | 164.5 | 151.4 | 143.8 | 140.1 | 140.1 |
| 155° | 250.1 | 243.5 | 228.5 | 210.6 | 193.7 | 174.9 | 160.8 | 149.5 | 143.8 | 141.0 | 140.1 |
| 157.5° | 226.6 | 221.9 | 209.7 | 196.5 | 182.4 | 168.3 | 157.0 | 148.5 | 143.8 | 141.0 | 141.0 |
| 160° | 208.7 | 204.0 | 194.6 | 184.3 | 173.0 | 162.6 | 153.2 | 146.7 | 143.8 | 142.0 | 142.0 |
| 162.5° | 193.7 | 189.9 | 182.4 | 173.9 | 165.5 | 157.0 | 150.4 | 145.7 | 143.8 | 142.0 | 142.0 |
| 165° | 181.5 | 178.6 | 172.1 | 165.5 | 159.8 | 153.2 | 148.5 | 145.7 | 143.8 | 142.9 | 142.9 |
| 167.5° | 171.1 | 169.2 | 164.5 | 159.8 | 155.1 | 150.4 | 146.7 | 144.8 | 143.8 | 143.8 | 143.8 |
| 170° | 163.6 | 161.7 | 158.9 | 155.1 | 151.4 | 148.5 | 145.7 | 144.8 | 144.8 | 143.8 | 144.8 |
| 172.5° | 157.9 | 157.0 | 154.2 | 151.4 | 149.5 | 146.7 | 145.7 | 144.8 | 145.7 | 145.7 | 145.7 |
| 175° | 154.2 | 153.2 | 151.4 | 149.5 | 148.5 | 146.7 | 146.7 | 145.7 | 146.7 | 147.6 | 147.6 |
| 177.5° | 151.4 | 150.4 | 149.5 | 149.5 | 148.5 | 147.6 | 147.6 | 148.5 | 149.5 | 149.5 | 149.5 |
| 180° | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 | 151.4 |

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

# LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

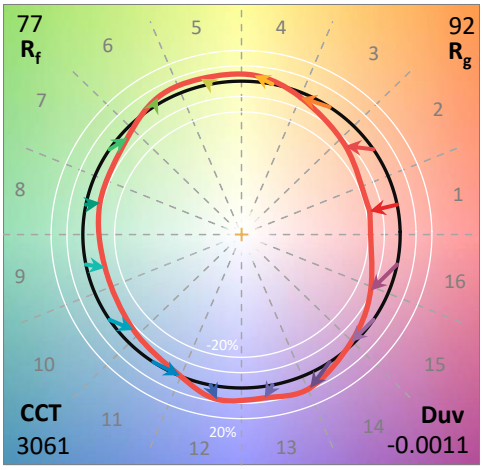
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2501-332-4 |
| 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-100-730-U-FR-T5** |
| Description: | FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5 |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3061 |
| CIE u': | 0.2489 |
| CIE v': | 0.5187 |
| Duv: | -0.0011 |
| CIE x: | 0.4312 |
| CIE y: | 0.3995 |
| CIE z: | 0.1693 |
| Peak Wavelength (nm): | 592 |
| Dominant Wavelength (nm): | 582 |
| Purity: | 49.32381 |
| Rf: | 76.8 |
| Rg: | 92.2 |

| | |
|---|---|
| CRI (Ra): | 71.7 |
| R1: | 67.8 |
| R2: | 85.0 |
| R3: | 92.9 |
| R4: | 66.0 |
| R5: | 68.5 |
| R6: | 80.2 |
| R7: | 74.5 |
| R8: | 39.0 |
| R9: | -40.3 |
| R10: | 67.2 |
| R11: | 61.6 |
| R12: | 59.9 |
| R13: | 71.4 |
| R14: | 96.3 |
| R15: | 58.8 |




## Test Conditions

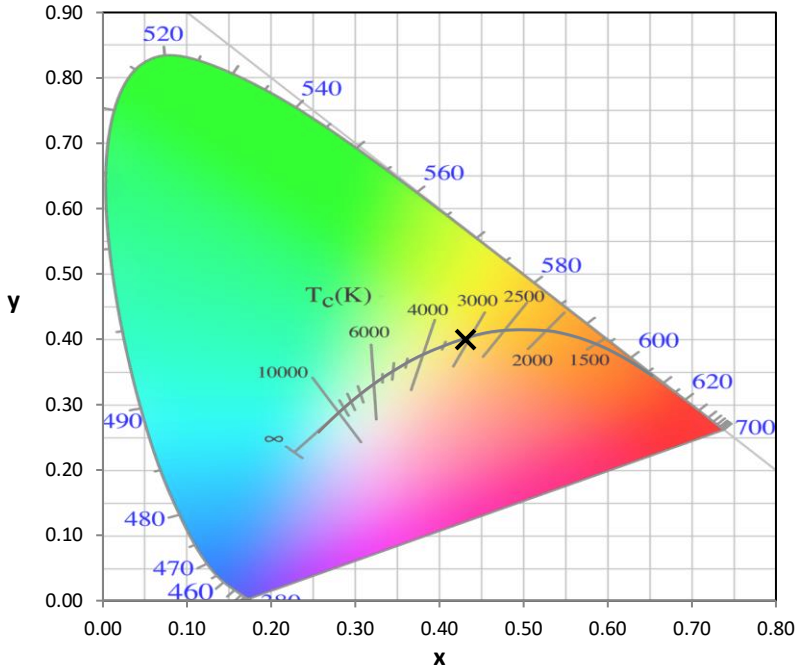
| | |
|---|---|
| Stabilization Time: | 56M |
| Operation Time: | 1H 56M |
| Sphere Temperature (°C): | 24.8 |

REPORT NUMBER: SP1-2501-332-4

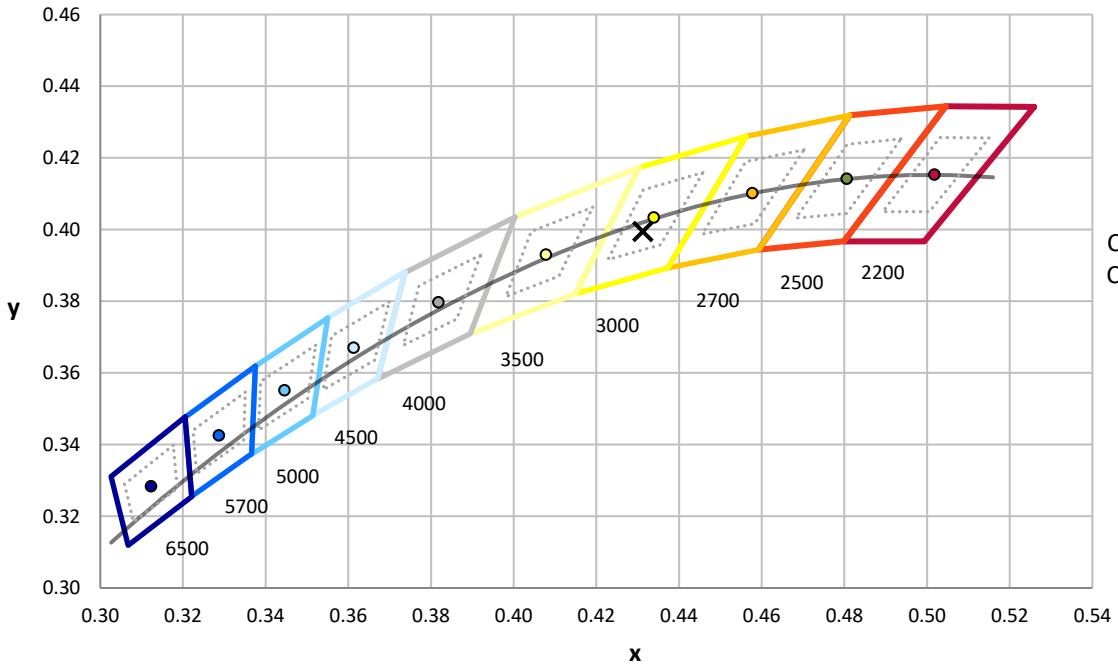
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 12/16/2024 | 6/16/2025 |
| Power Meter | INXT2011004 | 1/21/2025 | 1/21/2026 |
| AC Power Source | IN0063 | 10/22/2024 | 10/22/2025 |
| DC 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: SP1-2501-332-4

## CIE 1931 Chromaticity Diagram




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

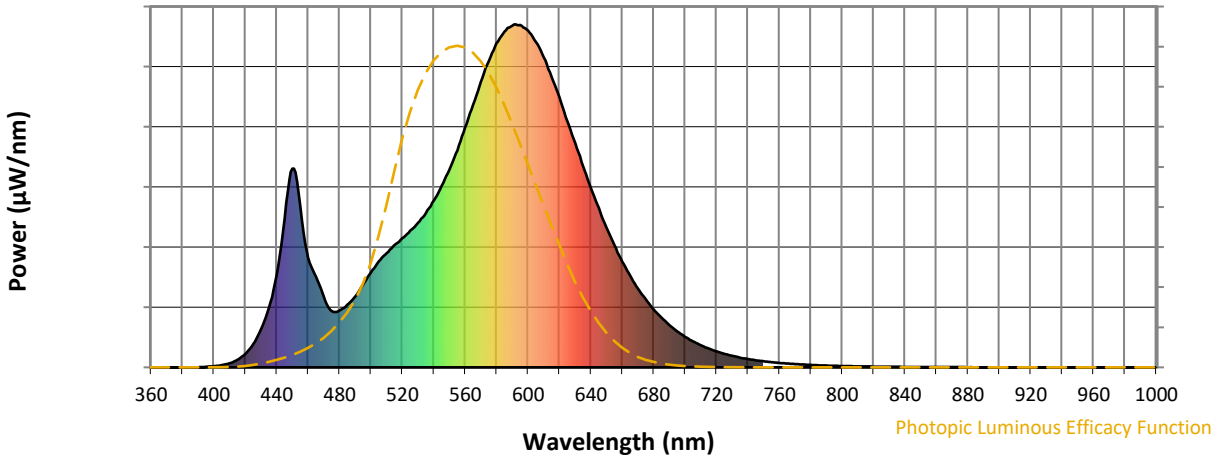



CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

## Photopic Flux vs. Wavelength

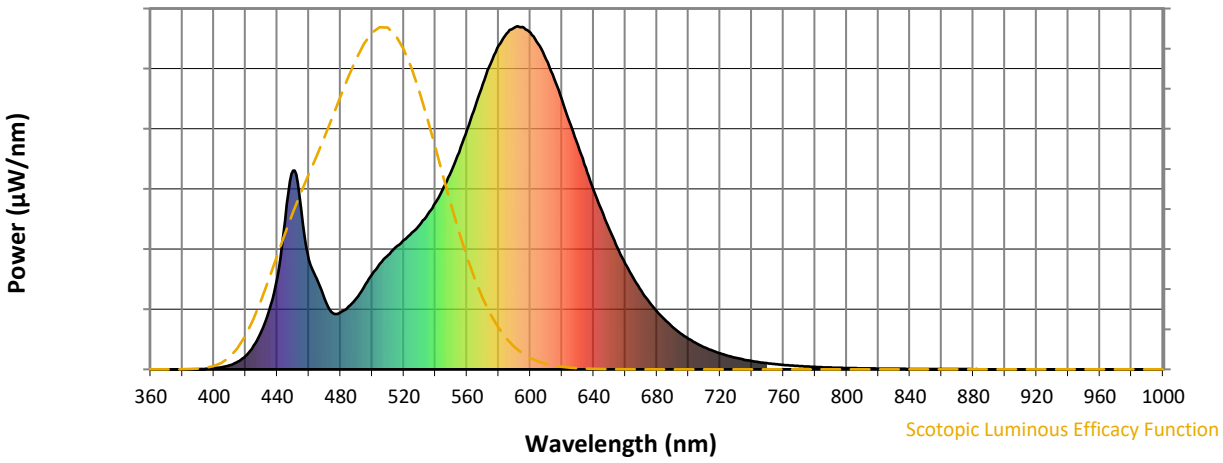



## Photopic Lumens: NR

| 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 | 207 | NR | 620 | 786 | NR | 750 | 18 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 241 | NR | 625 | 718 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 277 | NR | 630 | 654 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 309 | NR | 635 | 588 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 333 | NR | 640 | 523 | NR | 770 | 10 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 356 | NR | 645 | 465 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 376 | NR | 650 | 407 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 398 | NR | 655 | 356 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 422 | NR | 660 | 308 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 450 | NR | 665 | 267 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 486 | NR | 670 | 229 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 530 | NR | 675 | 197 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 39 | NR | 550 | 577 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 68 | NR | 555 | 633 | NR | 685 | 145 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 111 | NR | 560 | 700 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 175 | NR | 565 | 766 | NR | 695 | 105 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 269 | NR | 570 | 832 | NR | 700 | 89 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 434 | NR | 575 | 893 | NR | 705 | 76 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 579 | NR | 580 | 945 | NR | 710 | 64 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 468 | NR | 585 | 979 | NR | 715 | 55 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 320 | NR | 590 | 996 | NR | 720 | 47 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 264 | NR | 595 | 998 | NR | 725 | 40 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 204 | NR | 600 | 981 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 164 | NR | 605 | 949 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 166 | NR | 610 | 903 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 183 | NR | 615 | 847 | NR | 745 | 21 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-4

## Scotopic Flux vs. Wavelength

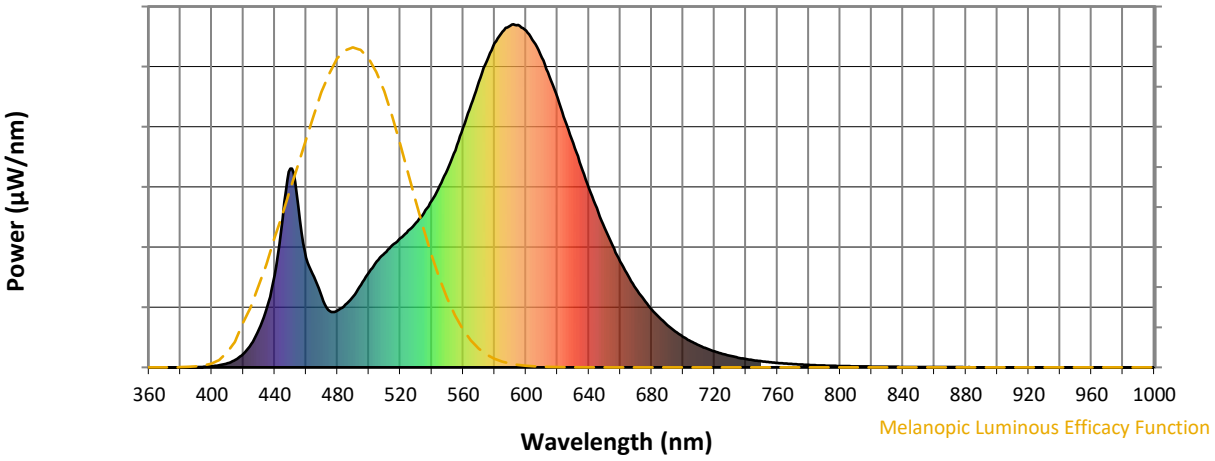



**Scotopic Lumens: NR** **S/P: 1.29**

| 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 | 207 | NR | 620 | 786 | NR | 750 | 18 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 241 | NR | 625 | 718 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 277 | NR | 630 | 654 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 309 | NR | 635 | 588 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 333 | NR | 640 | 523 | NR | 770 | 10 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 356 | NR | 645 | 465 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 376 | NR | 650 | 407 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 398 | NR | 655 | 356 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 422 | NR | 660 | 308 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 450 | NR | 665 | 267 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 486 | NR | 670 | 229 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 530 | NR | 675 | 197 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 39 | NR | 550 | 577 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 68 | NR | 555 | 633 | NR | 685 | 145 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 111 | NR | 560 | 700 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 175 | NR | 565 | 766 | NR | 695 | 105 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 269 | NR | 570 | 832 | NR | 700 | 89 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 434 | NR | 575 | 893 | NR | 705 | 76 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 579 | NR | 580 | 945 | NR | 710 | 64 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 468 | NR | 585 | 979 | NR | 715 | 55 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 320 | NR | 590 | 996 | NR | 720 | 47 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 264 | NR | 595 | 998 | NR | 725 | 40 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 204 | NR | 600 | 981 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 164 | NR | 605 | 949 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 166 | NR | 610 | 903 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 183 | NR | 615 | 847 | NR | 745 | 21 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2501-332-4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.47**

| 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 | 207 | NR | 620 | 786 | NR | 750 | 18 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 241 | NR | 625 | 718 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 277 | NR | 630 | 654 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 309 | NR | 635 | 588 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 333 | NR | 640 | 523 | NR | 770 | 10 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 356 | NR | 645 | 465 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 376 | NR | 650 | 407 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 398 | NR | 655 | 356 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 422 | NR | 660 | 308 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 450 | NR | 665 | 267 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 486 | NR | 670 | 229 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 530 | NR | 675 | 197 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 39 | NR | 550 | 577 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 68 | NR | 555 | 633 | NR | 685 | 145 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 111 | NR | 560 | 700 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 175 | NR | 565 | 766 | NR | 695 | 105 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 269 | NR | 570 | 832 | NR | 700 | 89 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 434 | NR | 575 | 893 | NR | 705 | 76 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 579 | NR | 580 | 945 | NR | 710 | 64 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 468 | NR | 585 | 979 | NR | 715 | 55 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 320 | NR | 590 | 996 | NR | 720 | 47 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 264 | NR | 595 | 998 | NR | 725 | 40 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 204 | NR | 600 | 981 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 164 | NR | 605 | 949 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 166 | NR | 610 | 903 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 183 | NR | 615 | 847 | NR | 745 | 21 | NR | 875 | 1 | NR | | | |

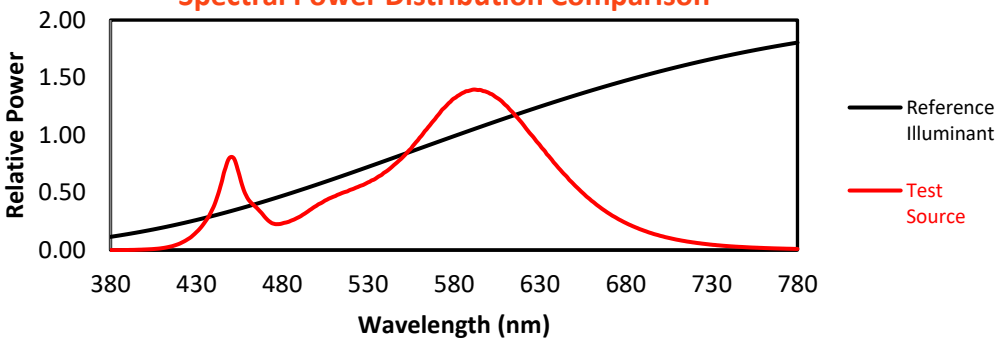
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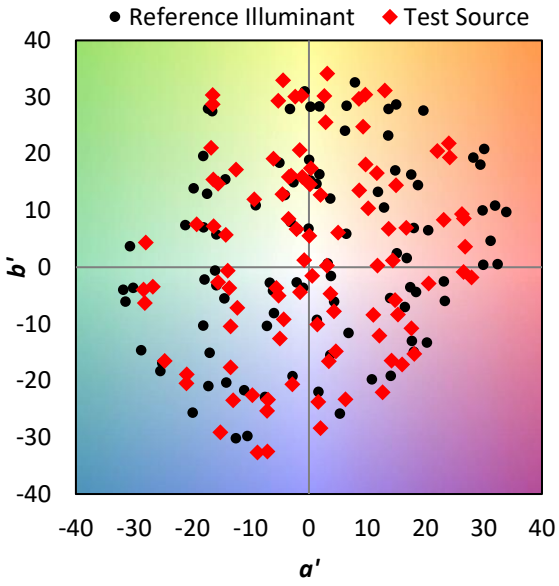
## Summary

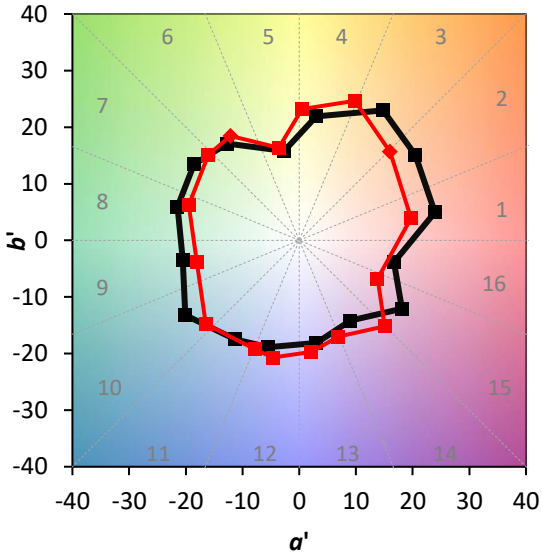
$R_f$ = 76.8
$R_g$ = 92.2
CIE $R_a$ = 71.7
$R_9$ = -40.3

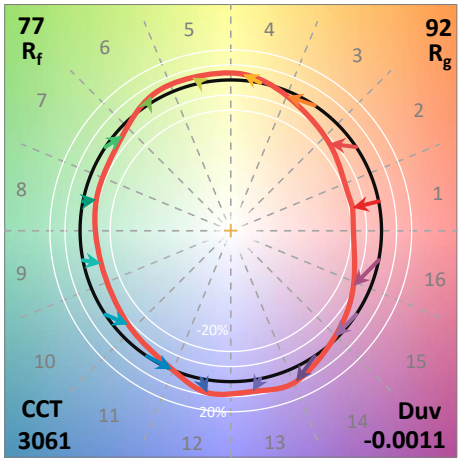
## Spectral Power Distribution Comparison

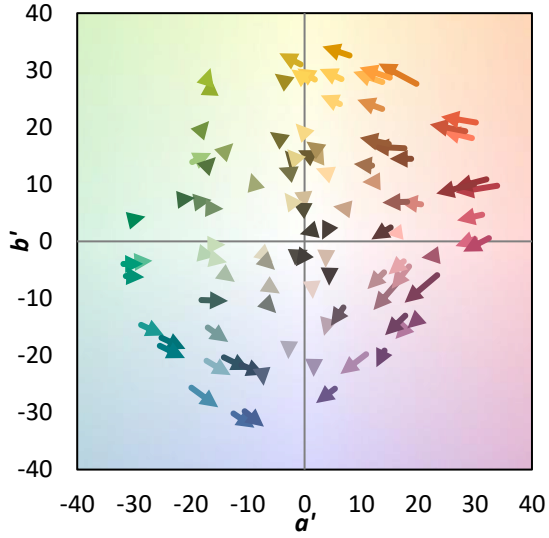



## Color Vector Graphics



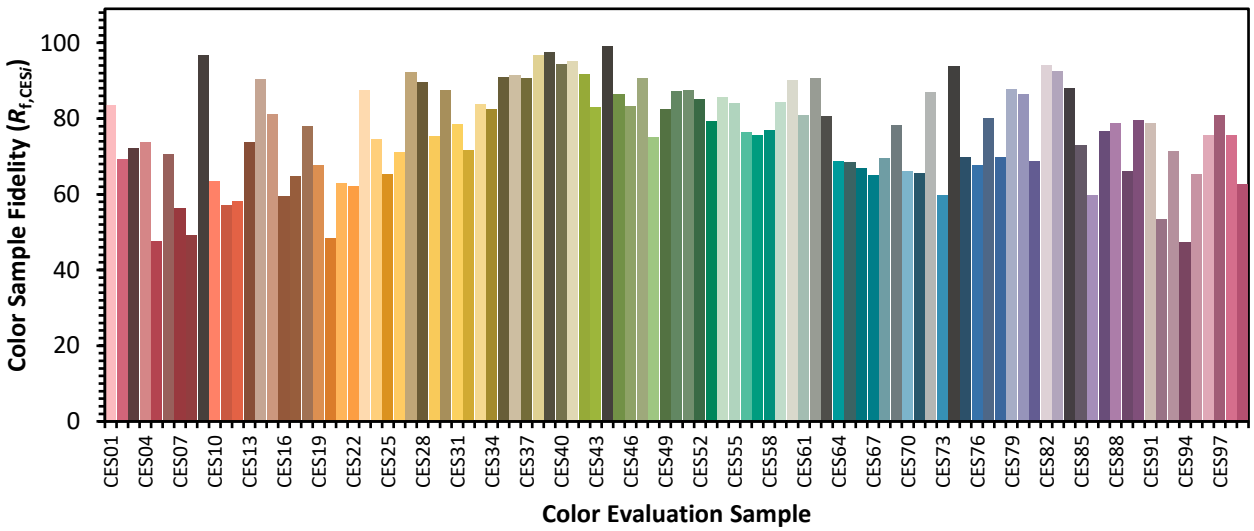



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**Individual Sample Fidelity Index ($R_{f,i}$)**

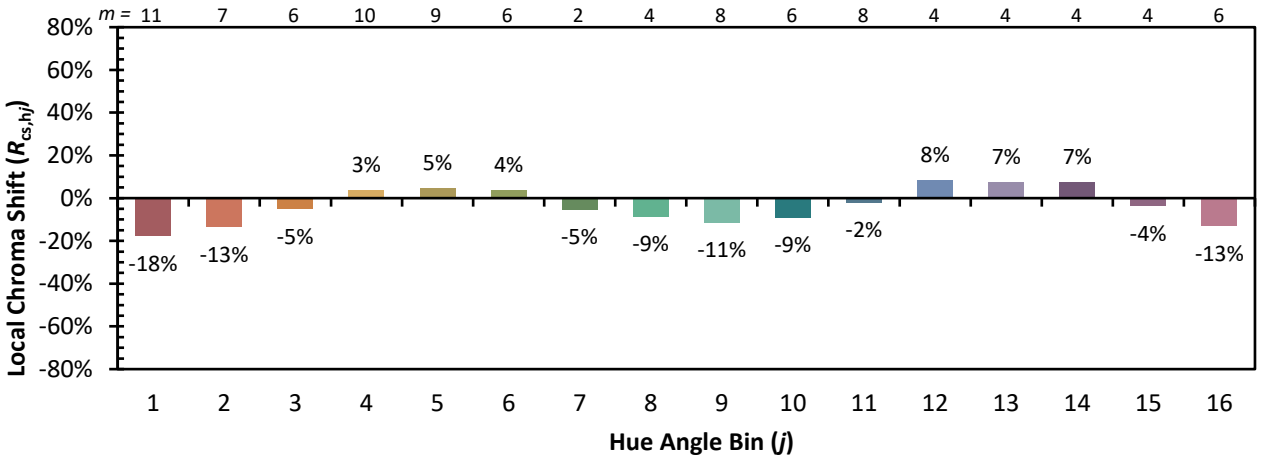
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 71 | CES51 = 88 | CES76 = 68 |
| CES02 = 62 | CES27 = 92 | CES52 = 85 | CES77 = 80 |
| CES03 = 31 | CES28 = 90 | CES53 = 79 | CES78 = 70 |
| CES04 = 71 | CES29 = 75 | CES54 = 86 | CES79 = 88 |
| CES05 = 49 | CES30 = 87 | CES55 = 84 | CES80 = 87 |
| CES06 = 51 | CES31 = 79 | CES56 = 76 | CES81 = 69 |
| CES07 = 41 | CES32 = 72 | CES57 = 76 | CES82 = 94 |
| CES08 = 40 | CES33 = 84 | CES58 = 77 | CES83 = 92 |
| CES09 = 29 | CES34 = 83 | CES59 = 84 | CES84 = 88 |
| CES10 = 76 | CES35 = 91 | CES60 = 90 | CES85 = 73 |
| CES11 = 59 | CES36 = 92 | CES61 = 81 | CES86 = 60 |
| CES12 = 65 | CES37 = 91 | CES62 = 91 | CES87 = 77 |
| CES13 = 43 | CES38 = 97 | CES63 = 81 | CES88 = 79 |
| CES14 = 74 | CES39 = 98 | CES64 = 69 | CES89 = 66 |
| CES15 = 71 | CES40 = 94 | CES65 = 69 | CES90 = 80 |
| CES16 = 47 | CES41 = 95 | CES66 = 67 | CES91 = 79 |
| CES17 = 50 | CES42 = 92 | CES67 = 65 | CES92 = 53 |
| CES18 = 56 | CES43 = 83 | CES68 = 70 | CES93 = 71 |
| CES19 = 73 | CES44 = 99 | CES69 = 78 | CES94 = 47 |
| CES20 = 66 | CES45 = 87 | CES70 = 66 | CES95 = 65 |
| CES21 = 87 | CES46 = 83 | CES71 = 66 | CES96 = 76 |
| CES22 = 79 | CES47 = 91 | CES72 = 87 | CES97 = 81 |
| CES23 = 92 | CES48 = 75 | CES73 = 60 | CES98 = 76 |
| CES24 = 91 | CES49 = 83 | CES74 = 94 | CES99 = 63 |
| CES25 = 73 | CES50 = 87 | CES75 = 70 | |

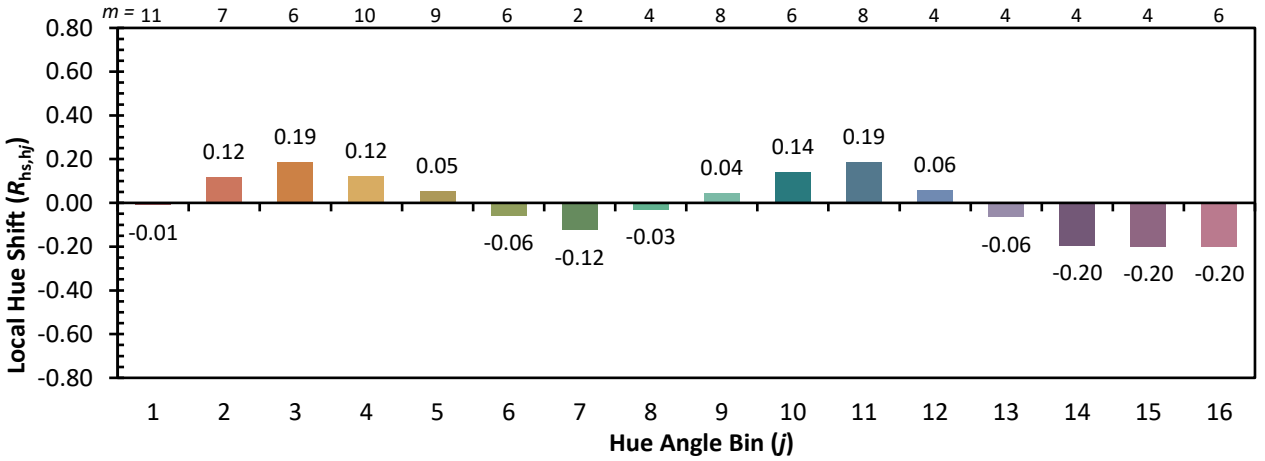


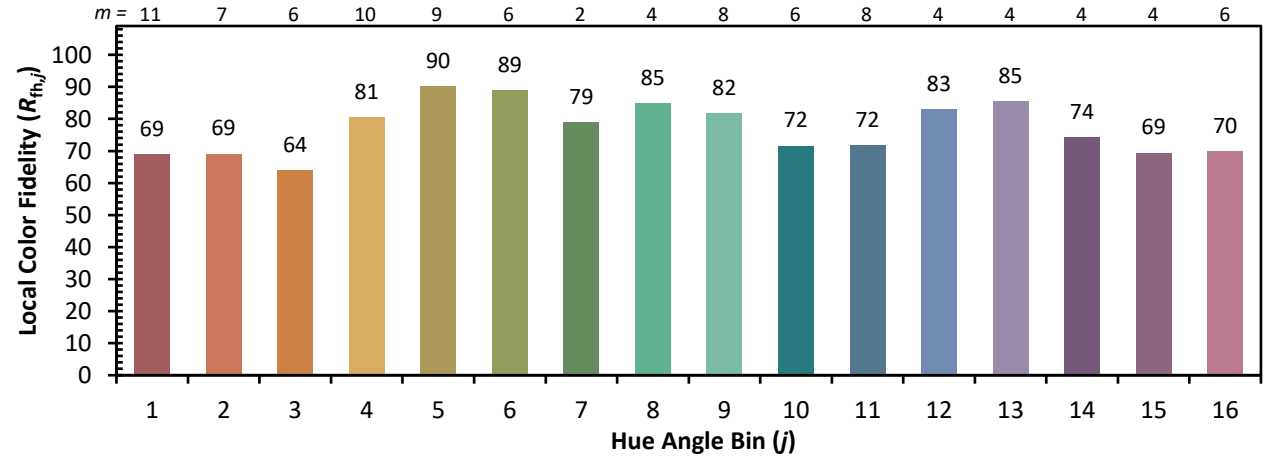
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## Color Rendition by Hue-Angle Bin



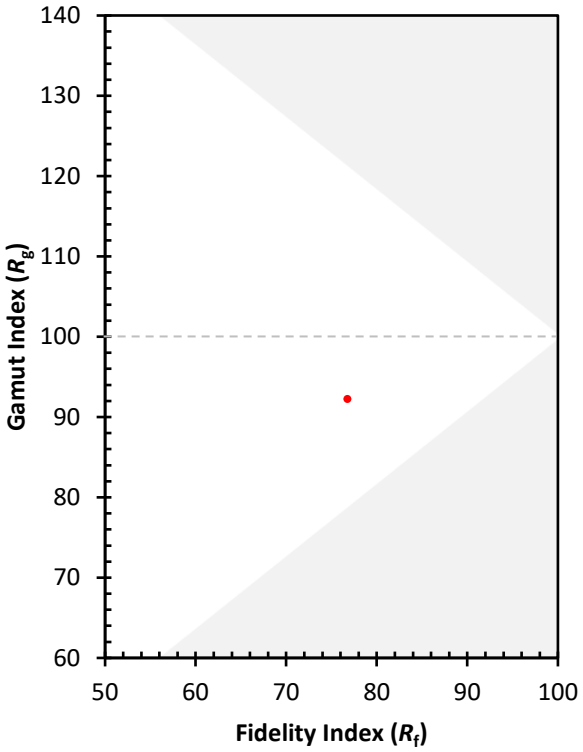



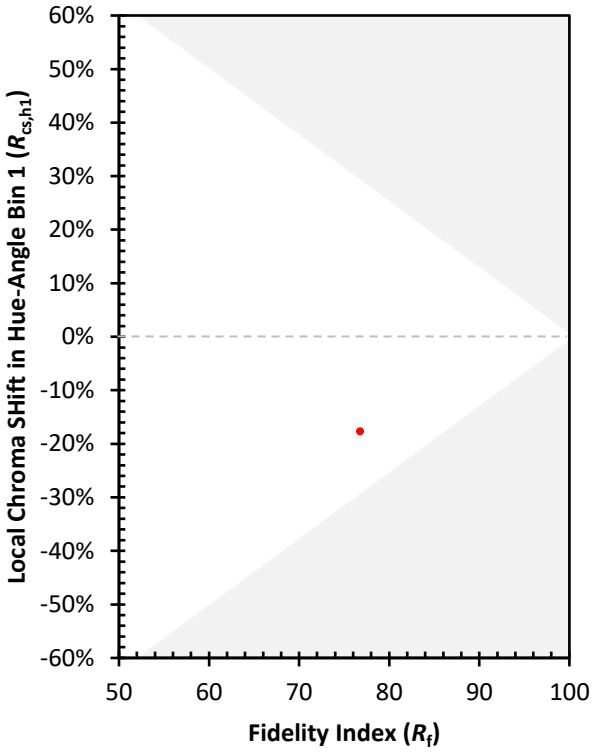



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## Measure Comparisons




(END OF REPORT)