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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1198860

Luminaire Tested: GPC-SB1D-760-U-SLR-HSS

Issue Date: 10/30/2025

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1198860 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB1D-760-U-SLR-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (1) 70 CRI, 5700K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 8260 lumens |
| Efficiency: | N/A |
| Efficacy: | 103.8 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G3 |

| | |
|---|---|
| Input Watts (W): | 79.6 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.638 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.997 |
| Total Harmonic Distortion (THDi): | 6.673 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

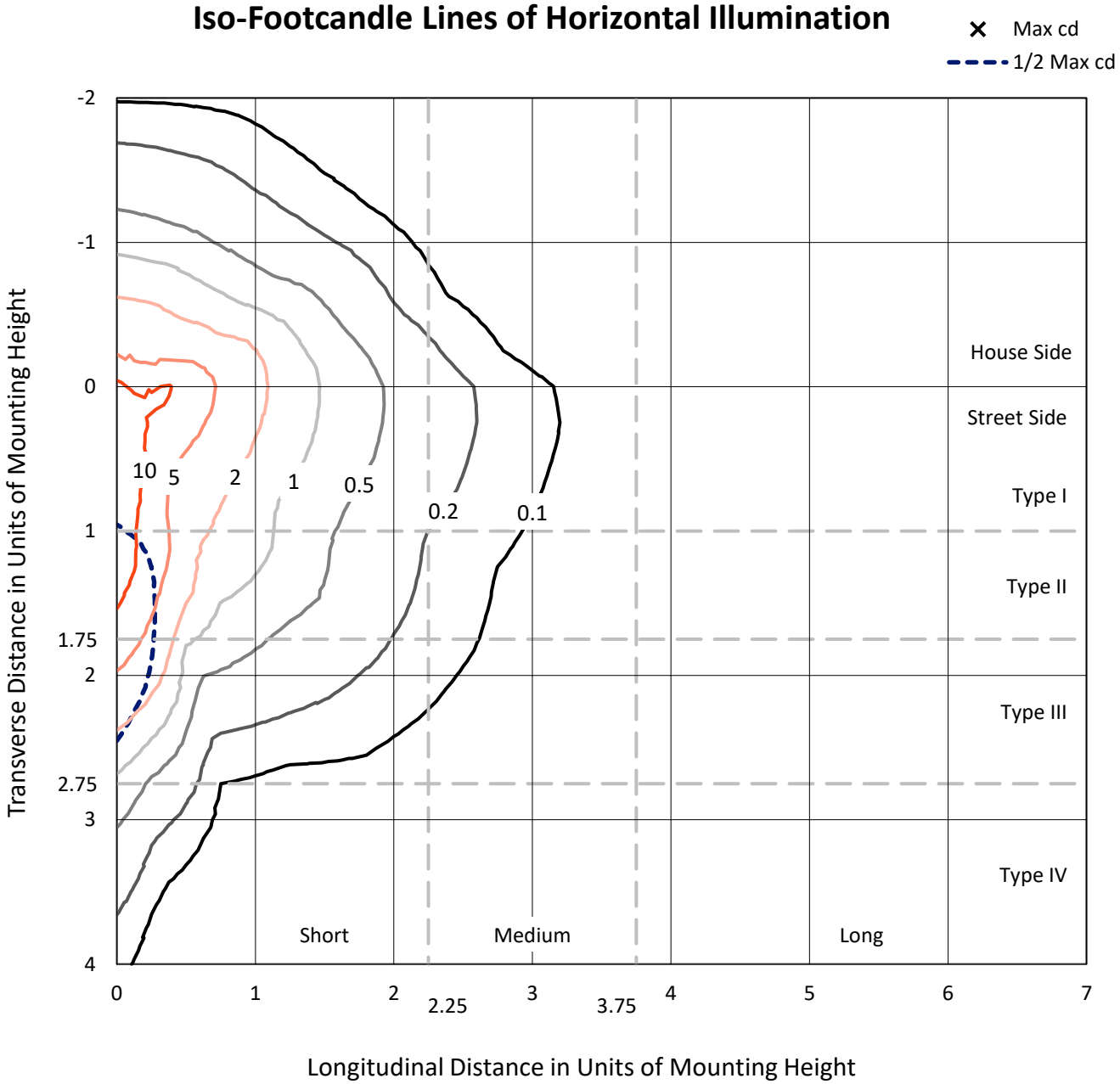


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REPORT NUMBER: P1198860
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## Iso-Footcandle Lines of Horizontal Illumination



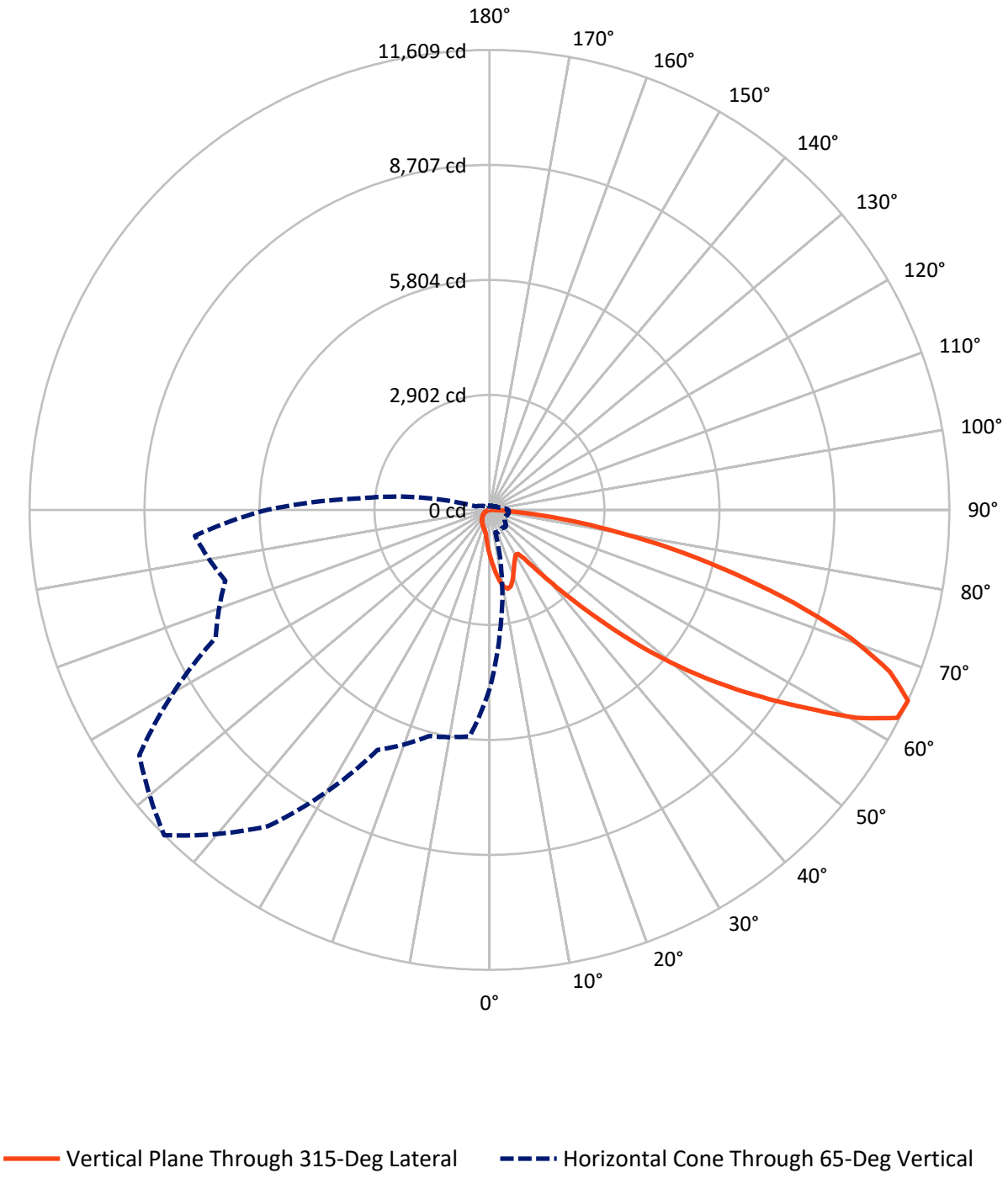

Based on 10 foot mounting height. Maximum calculated value = 15.9 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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Scaled Data Report

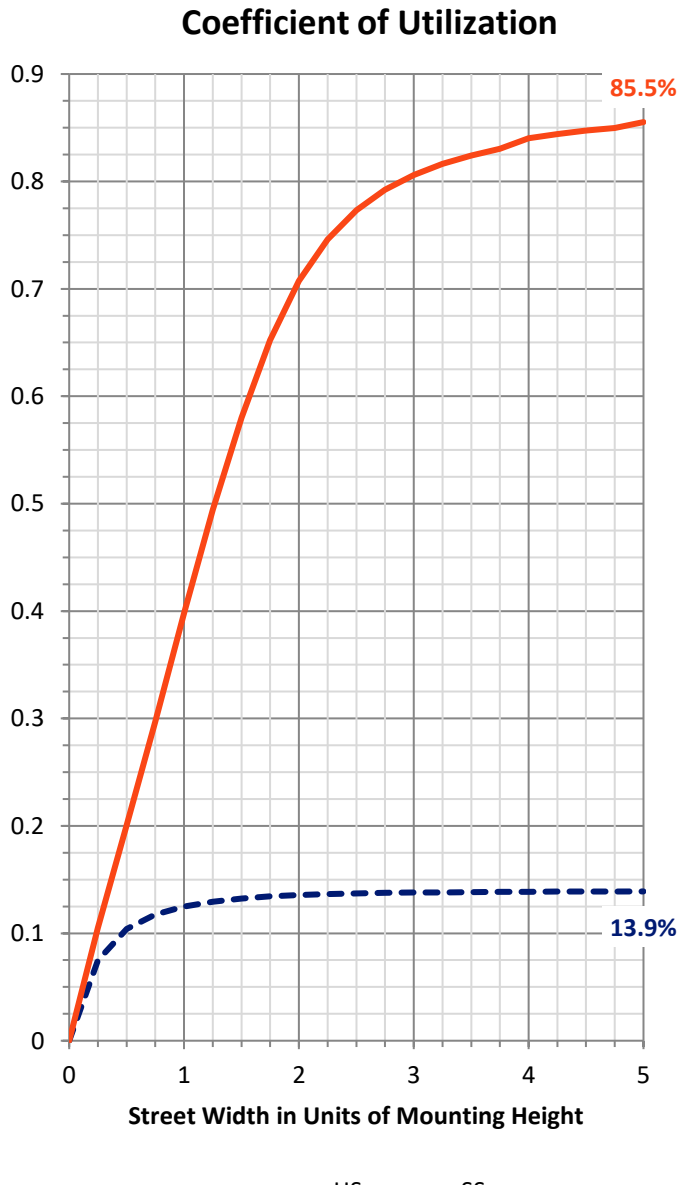
REPORT NUMBER: P1198860
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1156.7 | 0.0 | 1156.7 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| **Street Side** | Lumens | 7103.2 | 0.0 | 7103.2 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| **Total** | Lumens | 8260.0 | 0.0 | 8260.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 112.6 | 1.4 |
| 10°-20° | 337.6 | 4.1 |
| 20°-30° | 497.3 | 6.0 |
| 30°-40° | 638.9 | 7.7 |
| 40°-50° | 1033.3 | 12.5 |
| 50°-60° | 1811.9 | 21.9 |
| 60°-70° | 2267.2 | 27.4 |
| 70°-80° | 1324.9 | 16.0 |
| 80°-90° | 236.4 | 2.9 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 8260.0 | 100.0 |
| 0°-180° | 8260.0 | 100.0 |



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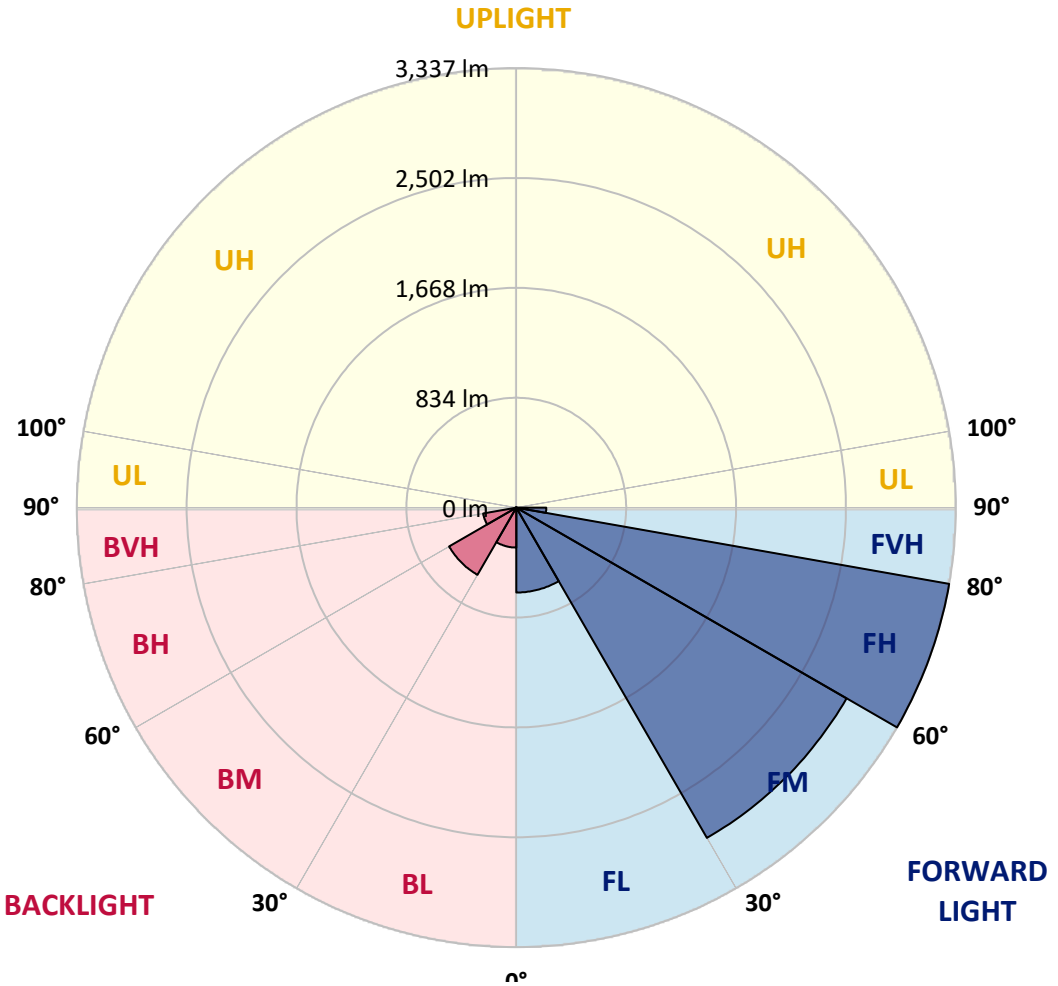
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 644.3 | 7.8 | | | |
| FM | (30°-60°) | 2895.0 | 35.0 | | | |
| FH | (60°-80°) | 3336.7 | 40.4 | | | G2/5000 |
| FVH | (80°-90°) | 227.3 | 2.8 | | | G3/500 |
| BL | (0°-30°) | 303.2 | 3.7 | B1/500 | | |
| BM | (30°-60°) | 589.0 | 7.1 | B1/1000 | | |
| BH | (60°-80°) | 255.4 | 3.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.1 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G3**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 |
| 2.5° | 1292.3 | 1270.1 | 1257.0 | 1224.5 | 1192.1 | 1165.9 | 1130.7 | 1107.3 | 1079.4 | 1052.7 | 1028.8 |
| 5° | 1440.2 | 1404.4 | 1361.1 | 1301.9 | 1247.9 | 1192.7 | 1139.2 | 1086.3 | 1030.5 | 979.3 | 948.0 |
| 7.5° | 1565.4 | 1513.6 | 1437.4 | 1358.8 | 1290.0 | 1223.4 | 1160.8 | 1090.8 | 1023.1 | 942.9 | 900.2 |
| 10° | 1661.0 | 1595.0 | 1494.8 | 1391.8 | 1312.7 | 1245.6 | 1184.7 | 1125.5 | 1057.3 | 960.5 | 907.0 |
| 12.5° | 1719.0 | 1648.5 | 1529.5 | 1408.9 | 1318.4 | 1243.3 | 1196.1 | 1169.9 | 1143.2 | 1047.0 | 984.4 |
| 15° | 1761.7 | 1685.5 | 1554.0 | 1420.9 | 1305.3 | 1213.2 | 1178.5 | 1204.6 | 1235.4 | 1173.9 | 1101.6 |
| 17.5° | 1806.1 | 1725.9 | 1585.9 | 1426.0 | 1270.1 | 1154.6 | 1139.8 | 1207.5 | 1278.6 | 1275.8 | 1204.1 |
| 20° | 1848.2 | 1768.5 | 1613.8 | 1422.6 | 1213.2 | 1083.4 | 1096.5 | 1183.0 | 1265.5 | 1300.2 | 1261.5 |
| 22.5° | 1896.6 | 1812.4 | 1640.5 | 1409.5 | 1139.2 | 1016.9 | 1057.8 | 1144.3 | 1216.6 | 1257.6 | 1245.6 |
| 25° | 1955.7 | 1867.5 | 1678.1 | 1390.1 | 1059.5 | 961.7 | 1018.6 | 1099.4 | 1158.0 | 1186.4 | 1185.9 |
| 27.5° | 2019.5 | 1933.6 | 1728.1 | 1379.9 | 995.2 | 922.4 | 974.2 | 1045.9 | 1098.2 | 1118.1 | 1118.1 |
| 30° | 2098.6 | 2010.4 | 1787.3 | 1368.5 | 953.1 | 899.6 | 928.1 | 983.8 | 1035.1 | 1055.0 | 1055.0 |
| 32.5° | 2185.1 | 2095.7 | 1844.2 | 1341.2 | 927.5 | 882.6 | 883.1 | 918.4 | 965.1 | 989.0 | 992.4 |
| 35° | 2293.2 | 2198.2 | 1905.1 | 1281.5 | 907.0 | 862.6 | 839.3 | 856.4 | 895.1 | 923.5 | 930.9 |
| 37.5° | 2447.4 | 2332.4 | 1979.6 | 1196.1 | 876.9 | 831.9 | 793.2 | 797.2 | 826.8 | 858.1 | 869.5 |
| 40° | 2660.2 | 2512.8 | 2067.3 | 1107.3 | 833.6 | 788.7 | 742.6 | 740.9 | 762.5 | 793.2 | 805.7 |
| 42.5° | 2948.1 | 2751.2 | 2172.5 | 1022.5 | 792.1 | 736.3 | 689.1 | 686.2 | 703.3 | 730.1 | 743.2 |
| 45° | 3328.2 | 3056.2 | 2301.7 | 949.7 | 759.7 | 685.1 | 638.4 | 637.3 | 651.5 | 674.9 | 688.5 |
| 47.5° | 3814.8 | 3480.2 | 2430.9 | 900.2 | 742.6 | 644.7 | 596.9 | 599.2 | 611.7 | 632.8 | 642.4 |
| 50° | 4444.7 | 4032.7 | 2470.1 | 875.2 | 742.6 | 623.1 | 559.9 | 571.3 | 581.5 | 597.5 | 603.2 |
| 52.5° | 5199.8 | 4563.0 | 2340.4 | 852.4 | 747.1 | 625.9 | 528.6 | 553.1 | 560.5 | 574.1 | 576.4 |
| 55° | 5899.7 | 4823.1 | 2012.1 | 821.1 | 748.3 | 643.6 | 501.9 | 538.3 | 552.0 | 557.1 | 556.5 |
| 57.5° | 6306.0 | 4733.7 | 1626.9 | 768.2 | 743.7 | 655.5 | 484.8 | 520.1 | 546.3 | 549.7 | 544.6 |
| 60° | 6228.6 | 4420.2 | 1197.8 | 727.8 | 710.1 | 651.0 | 479.7 | 492.2 | 533.7 | 538.9 | 532.0 |
| 62.5° | 5632.2 | 3894.4 | 831.3 | 696.5 | 636.2 | 631.1 | 478.0 | 448.4 | 506.4 | 519.0 | 509.3 |
| 65° | *4527.2* | *3065.9* | *587.2* | *599.8* | *557.6* | *587.8* | *468.9* | *402.9* | *473.4* | *490.5* | *475.7* |
| 67.5° | 3284.4 | 2074.7 | 423.9 | 485.9 | 505.3 | 517.8 | 448.4 | 369.9 | 435.9 | 458.6 | 439.3 |
| 70° | 2107.7 | 1120.4 | 297.6 | 320.9 | 425.6 | 439.9 | 413.1 | 340.3 | 397.8 | 423.9 | 402.9 |
| 72.5° | 1498.2 | 661.8 | 214.0 | 224.8 | 342.0 | 366.5 | 363.6 | 307.3 | 353.4 | 385.2 | 360.2 |
| 75° | 1033.9 | 364.7 | 144.5 | 160.5 | 248.1 | 297.6 | 280.5 | 264.0 | 299.3 | 331.7 | 307.3 |
| 77.5° | 648.1 | 163.3 | 86.5 | 111.5 | 162.7 | 233.9 | 192.3 | 204.3 | 233.3 | 263.5 | 237.9 |
| 80° | 360.8 | 63.2 | 48.4 | 74.0 | 88.8 | 170.1 | 106.4 | 131.4 | 171.8 | 193.5 | 173.0 |
| 82.5° | 78.5 | 8.0 | 21.6 | 31.9 | 34.7 | 99.0 | 56.3 | 76.2 | 108.1 | 106.4 | 92.2 |
| 85° | 0.0 | 0.0 | 4.0 | 4.6 | 2.3 | 42.7 | 20.5 | 25.0 | 35.3 | 33.0 | 25.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 |
| 2.5° | 1024.2 | 996.4 | 975.9 | 965.6 | 957.1 | 965.1 | 969.6 | 969.6 | 989.0 | 1000.4 | 1004.9 |
| 5° | 928.1 | 878.0 | 839.9 | 814.3 | 798.9 | 804.0 | 809.7 | 816.0 | 840.5 | 857.0 | 867.8 |
| 7.5° | 861.5 | 784.7 | 726.6 | 690.8 | 672.0 | 674.9 | 678.9 | 684.0 | 707.9 | 724.4 | 738.6 |
| 10° | 849.0 | 738.6 | 656.7 | 609.4 | 586.7 | 582.7 | 580.4 | 578.7 | 592.9 | 605.4 | 616.8 |
| 12.5° | 900.2 | 740.9 | 626.5 | 569.0 | 541.1 | 529.2 | 515.5 | 504.7 | 507.0 | 515.0 | 529.2 |
| 15° | 991.8 | 769.9 | 616.8 | 548.0 | 513.3 | 493.3 | 477.4 | 464.3 | 461.5 | 464.3 | 466.6 |
| 17.5° | 1096.5 | 809.2 | 615.7 | 529.8 | 486.5 | 466.0 | 452.9 | 441.0 | 437.0 | 437.6 | 440.4 |
| 20° | 1165.9 | 840.5 | 612.3 | 509.3 | 460.9 | 442.7 | 431.3 | 419.4 | 415.4 | 416.5 | 417.1 |
| 22.5° | 1172.8 | 857.0 | 607.2 | 486.5 | 435.3 | 419.9 | 408.6 | 397.8 | 397.2 | 397.2 | 400.6 |
| 25° | 1135.8 | 857.0 | 596.3 | 466.0 | 410.8 | 397.2 | 386.9 | 373.9 | 376.1 | 377.3 | 381.8 |
| 27.5° | 1078.3 | 836.5 | 575.9 | 449.5 | 389.8 | 375.6 | 365.3 | 353.4 | 356.2 | 357.9 | 363.0 |
| 30° | 1021.4 | 810.3 | 551.4 | 430.8 | 369.9 | 353.4 | 346.0 | 335.7 | 336.9 | 339.1 | 344.8 |
| 32.5° | 968.5 | 782.4 | 522.4 | 415.4 | 350.0 | 333.5 | 327.8 | 316.4 | 318.1 | 320.4 | 326.6 |
| 35° | 916.1 | 751.7 | 488.2 | 397.2 | 331.7 | 315.2 | 310.7 | 297.6 | 298.7 | 302.2 | 309.0 |
| 37.5° | 859.8 | 719.3 | 460.3 | 379.0 | 314.1 | 297.0 | 292.5 | 278.8 | 280.0 | 283.9 | 291.9 |
| 40° | 800.6 | 687.4 | 433.0 | 359.6 | 295.3 | 278.3 | 274.3 | 259.5 | 260.6 | 265.2 | 273.7 |
| 42.5° | 740.9 | 652.7 | 412.0 | 334.6 | 276.0 | 257.8 | 253.8 | 240.1 | 241.8 | 247.0 | 255.5 |
| 45° | 685.7 | 611.1 | 398.3 | 306.7 | 257.8 | 237.3 | 233.3 | 220.8 | 224.2 | 229.9 | 238.4 |
| 47.5° | 638.4 | 568.5 | 392.6 | 283.4 | 238.4 | 216.2 | 212.8 | 202.6 | 208.3 | 214.5 | 221.4 |
| 50° | 598.0 | 527.5 | 385.2 | 259.5 | 220.2 | 198.0 | 194.6 | 187.8 | 195.2 | 201.4 | 207.7 |
| 52.5° | 569.0 | 480.8 | 369.3 | 237.9 | 204.3 | 182.7 | 181.5 | 178.1 | 184.9 | 190.6 | 196.3 |
| 55° | 544.0 | 432.5 | 343.7 | 219.1 | 190.1 | 169.6 | 170.7 | 169.0 | 174.7 | 179.2 | 184.4 |
| 57.5° | 521.2 | 390.4 | 311.3 | 204.3 | 174.7 | 158.2 | 161.6 | 159.3 | 162.2 | 165.0 | 171.3 |
| 60° | 493.9 | 347.7 | 272.6 | 187.8 | 156.5 | 146.8 | 150.8 | 144.5 | 144.0 | 145.1 | 146.8 |
| 62.5° | 453.5 | 290.2 | 232.2 | 167.3 | 140.5 | 134.3 | 136.0 | 124.0 | 114.9 | 114.9 | 116.7 |
| 65° | *397.2* | *233.3* | *194.6* | *144.5* | *122.3* | *117.2* | *116.1* | *99.0* | *86.5* | *85.4* | *90.5* |
| 67.5° | 331.7 | 191.8 | 161.6 | 121.8 | 101.9 | 98.4 | 99.6 | 87.1 | 74.5 | 73.4 | 79.1 |
| 70° | 270.3 | 158.8 | 130.3 | 97.3 | 78.5 | 81.9 | 87.1 | 74.5 | 62.6 | 60.9 | 66.0 |
| 72.5° | 219.6 | 126.3 | 101.9 | 74.5 | 58.0 | 67.7 | 74.0 | 60.9 | 49.5 | 48.4 | 52.9 |
| 75° | 169.6 | 92.8 | 72.8 | 50.6 | 42.1 | 52.4 | 58.0 | 44.4 | 35.3 | 33.6 | 37.6 |
| 77.5° | 113.2 | 57.5 | 41.0 | 31.9 | 25.0 | 35.8 | 38.7 | 23.3 | 20.5 | 19.9 | 22.8 |
| 80° | 68.9 | 26.7 | 17.6 | 15.4 | 8.5 | 13.1 | 15.4 | 9.7 | 10.8 | 11.4 | 13.7 |
| 82.5° | 34.7 | 7.4 | 2.8 | 0.6 | 0.0 | 0.0 | 4.6 | 2.3 | 4.6 | 5.7 | 8.5 |
| 85° | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.8 | 5.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 |
| 2.5° | 1036.8 | 1060.7 | 1083.4 | 1119.8 | 1157.4 | 1194.4 | 1231.9 | 1268.4 | 1281.5 | 1291.1 | 1312.7 |
| 5° | 917.3 | 962.2 | 1014.6 | 1086.8 | 1164.2 | 1243.9 | 1324.7 | 1398.7 | 1432.2 | 1455.0 | 1506.2 |
| 7.5° | 793.8 | 852.4 | 927.5 | 1036.2 | 1157.4 | 1284.3 | 1411.2 | 1527.8 | 1581.9 | 1625.7 | 1703.7 |
| 10° | 671.5 | 735.2 | 830.2 | 954.3 | 1118.1 | 1300.2 | 1475.5 | 1636.0 | 1705.9 | 1761.1 | 1867.0 |
| 12.5° | 563.9 | 623.7 | 723.2 | 860.4 | 1056.7 | 1287.7 | 1512.5 | 1705.4 | 1787.9 | 1849.9 | 1966.0 |
| 15° | 488.2 | 530.3 | 618.5 | 766.5 | 983.8 | 1247.3 | 1514.8 | 1738.4 | 1828.9 | 1893.7 | 1994.4 |
| 17.5° | 446.1 | 460.3 | 517.8 | 670.9 | 903.0 | 1194.4 | 1493.7 | 1749.8 | 1846.5 | 1906.8 | 1976.8 |
| 20° | 423.4 | 425.6 | 441.6 | 546.8 | 799.5 | 1144.9 | 1473.8 | 1761.1 | 1863.0 | 1913.6 | 1934.7 |
| 22.5° | 405.1 | 405.1 | 409.1 | 447.3 | 665.8 | 1085.7 | 1467.5 | 1781.1 | 1885.8 | 1917.1 | 1873.8 |
| 25° | 388.6 | 388.6 | 389.8 | 400.0 | 527.5 | 995.2 | 1463.5 | 1811.8 | 1917.1 | 1925.6 | 1806.7 |
| 27.5° | 371.6 | 372.1 | 372.1 | 377.8 | 425.1 | 872.3 | 1446.5 | 1851.6 | 1954.6 | 1937.0 | 1742.4 |
| 30° | 354.5 | 355.6 | 355.6 | 359.6 | 376.1 | 728.4 | 1412.9 | 1899.4 | 2003.5 | 1951.8 | 1678.6 |
| 32.5° | 337.4 | 338.6 | 338.6 | 342.0 | 353.9 | 581.5 | 1370.8 | 1943.2 | 2053.1 | 1958.0 | 1619.5 |
| 35° | 319.8 | 321.5 | 320.4 | 324.9 | 337.4 | 462.6 | 1317.3 | 1987.0 | 2106.5 | 1977.9 | 1590.4 |
| 37.5° | 302.2 | 303.3 | 302.7 | 307.3 | 321.5 | 399.5 | 1255.3 | 2020.0 | 2179.4 | 2022.3 | 1625.1 |
| 40° | 284.5 | 283.9 | 283.9 | 289.1 | 304.4 | 381.2 | 1177.3 | 2072.4 | 2284.1 | 2100.3 | 1776.5 |
| 42.5° | 266.3 | 266.3 | 265.2 | 270.9 | 289.6 | 367.6 | 1102.8 | 2166.3 | 2436.6 | 2224.3 | 2045.1 |
| 45° | 249.8 | 249.2 | 247.0 | 252.1 | 275.4 | 343.7 | 1076.6 | 2341.5 | 2661.9 | 2425.2 | 2370.0 |
| 47.5° | 233.9 | 233.3 | 227.6 | 232.2 | 258.3 | 322.1 | 1174.5 | 2628.3 | 2974.3 | 2720.5 | 2674.4 |
| 50° | 219.6 | 220.2 | 209.4 | 213.4 | 241.3 | 305.6 | 1386.7 | 3000.5 | 3389.1 | 3118.3 | 2962.9 |
| 52.5° | 206.6 | 206.6 | 192.3 | 194.6 | 220.2 | 290.8 | 1588.7 | 3403.9 | 3936.5 | 3673.1 | 3299.2 |
| 55° | 193.5 | 192.3 | 176.4 | 177.5 | 199.2 | 269.7 | 1618.9 | 3797.7 | 4683.1 | 4507.8 | 3759.0 |
| 57.5° | 178.7 | 176.4 | 161.6 | 161.6 | 179.8 | 254.4 | 1403.2 | 4100.4 | 5609.5 | 5734.7 | 4421.9 |
| 60° | 160.5 | 158.8 | 149.1 | 146.2 | 164.4 | 268.0 | 990.1 | 4135.7 | 6207.0 | 7366.1 | 5691.4 |
| 62.5° | 137.1 | 139.4 | 134.3 | 130.3 | 149.7 | 278.3 | 586.7 | 3851.7 | 6062.4 | 7885.0 | 7211.9 |
| 65° | *108.1* | *117.2* | *116.1* | *113.2* | *164.4* | *234.4* | *346.5* | *3306.6* | *5619.1* | *7466.2* | *6901.7* |
| 67.5° | 92.2 | 98.4 | 96.7 | 96.7 | 172.4 | 178.1 | 217.9 | 2583.4 | 5009.2 | 6969.5 | 6164.8 |
| 70° | 78.5 | 84.8 | 78.5 | 78.5 | 130.3 | 108.1 | 150.8 | 1803.8 | 4350.8 | 6419.8 | 5681.2 |
| 72.5° | 64.9 | 71.1 | 64.3 | 59.7 | 104.1 | 80.8 | 110.4 | 1127.2 | 3726.0 | 5847.3 | 5350.0 |
| 75° | 49.5 | 56.9 | 51.8 | 46.1 | 68.9 | 60.3 | 83.6 | 655.0 | 3087.0 | 5002.9 | 4878.3 |
| 77.5° | 31.3 | 41.0 | 38.7 | 32.4 | 50.6 | 43.8 | 60.3 | 389.8 | 2381.9 | 3909.2 | 4196.0 |
| 80° | 19.3 | 21.1 | 21.6 | 20.5 | 29.0 | 29.6 | 41.0 | 221.9 | 1630.3 | 2724.5 | 3278.2 |
| 82.5° | 12.5 | 12.5 | 9.7 | 10.8 | 14.2 | 17.1 | 23.3 | 83.6 | 958.2 | 1658.7 | 2281.8 |
| 85° | 9.1 | 8.0 | 5.1 | 5.1 | 6.8 | 8.5 | 9.1 | 25.6 | 388.6 | 655.0 | 892.2 |
| 87.5° | 4.6 | 4.0 | 1.7 | 2.3 | 3.4 | 2.8 | 2.3 | 1.1 | 97.9 | 209.4 | 146.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1198860
CATALOG NUMBER: GPC-SB1D-760-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|
| 0° | 1143.7 | 1143.7 | *1143.7* | 1143.7 | 1143.7 | 1143.7 | 1143.7 | 1143.7 |
| 2.5° | 1324.1 | 1341.8 | *1342.9* | 1342.9 | 1327.5 | 1327.0 | 1295.7 | 1292.3 |
| 5° | 1559.1 | 1570.5 | *1573.4* | 1567.7 | 1536.9 | 1514.2 | 1453.3 | 1440.2 |
| 7.5° | 1774.2 | 1797.0 | *1797.0* | 1783.3 | 1733.3 | 1686.6 | 1598.4 | 1565.4 |
| 10° | 1946.1 | 1972.3 | *1966.6* | 1938.7 | 1875.5 | 1811.2 | 1704.2 | 1661.0 |
| 12.5° | 2029.7 | 2056.5 | *2041.7* | 2009.8 | 1948.4 | 1880.6 | 1768.0 | 1719.0 |
| 15° | 2028.0 | 2020.6 | *2005.3* | 2001.3 | 1971.7 | 1920.5 | 1815.2 | 1761.7 |
| 17.5° | 1955.7 | 1893.2 | *1881.2* | 1921.0 | 1958.6 | 1946.1 | 1856.2 | 1806.1 |
| 20° | 1841.4 | 1732.1 | *1721.3* | 1797.6 | 1904.5 | 1959.2 | 1894.3 | 1848.2 |
| 22.5° | 1720.7 | 1603.0 | *1577.9* | 1662.1 | 1823.2 | 1963.1 | 1942.7 | 1896.6 |
| 25° | 1606.4 | 1488.0 | *1463.0* | 1541.5 | 1732.7 | 1956.3 | 1995.0 | 1955.7 |
| 27.5° | 1510.8 | 1396.4 | *1373.1* | 1451.6 | 1645.6 | 1937.0 | 2047.4 | 2019.5 |
| 30° | 1436.8 | 1331.0 | *1313.9* | 1389.6 | 1570.5 | 1913.1 | 2113.9 | 2098.6 |
| 32.5° | 1393.5 | 1316.2 | *1322.4* | 1384.4 | 1530.1 | 1886.9 | 2177.7 | 2185.1 |
| 35° | 1436.2 | 1439.6 | *1494.3* | 1519.9 | 1567.7 | 1882.9 | 2264.2 | 2293.2 |
| 37.5° | 1648.5 | 1766.8 | *1880.1* | 1859.0 | 1751.5 | 1929.0 | 2393.3 | 2447.4 |
| 40° | 2009.8 | 2252.8 | *2436.6* | 2356.3 | 2085.5 | 2070.1 | 2579.4 | 2660.2 |
| 42.5° | 2451.4 | 2863.3 | *3166.1* | 2951.0 | 2516.2 | 2317.1 | 2845.1 | 2948.1 |
| 45° | 2917.4 | 3616.2 | *4093.0* | 3645.8 | 2975.4 | 2663.0 | 3247.4 | 3328.2 |
| 47.5° | 3408.5 | 4531.2 | *5148.0* | 4416.2 | 3401.1 | 3056.8 | 3796.0 | 3814.8 |
| 50° | 3945.6 | 5534.4 | *6223.5* | 5186.1 | 3811.9 | 3508.1 | 4466.3 | 4444.7 |
| 52.5° | 4457.2 | 6566.0 | *7276.2* | 5959.4 | 4172.7 | 4068.0 | 5244.2 | 5199.8 |
| 55° | 4945.4 | 7597.1 | *8335.1* | 6702.6 | 4513.0 | 4807.7 | 6168.3 | 5899.7 |
| 57.5° | 5511.6 | 8524.0 | *9426.5* | 7449.1 | 4988.7 | 5768.2 | 7201.6 | 6306.0 |
| 60° | 6348.6 | 9577.3 | *10660.7* | 8472.3 | 5893.4 | 6777.7 | 7572.1 | 6228.6 |
| 62.5° | 7417.3 | 10545.8 | *11558.1* | 9474.9 | 6802.2 | 6967.7 | 7026.4 | 5632.2 |
| 65° | *7625.0* | *10791.0* | *11608.7* | *9742.9* | *6684.9* | *5910.5* | *5736.4* | *4527.2* |
| 67.5° | 7074.2 | 10347.8 | *10900.9* | 9243.9 | 5913.3 | 4567.6 | 4304.7 | 3284.4 |
| 70° | 6456.2 | 9502.8 | *9667.2* | 8395.4 | 5200.9 | 3359.5 | 2907.2 | 2107.7 |
| 72.5° | 5822.9 | 8375.5 | *8035.2* | 7291.0 | 4571.0 | 2446.3 | 2096.9 | 1498.2 |
| 75° | 5070.6 | 6893.2 | *6329.3* | 6057.9 | 3784.6 | 1919.9 | 1517.0 | 1033.9 |
| 77.5° | 4060.6 | 4852.1 | *4701.3* | 4695.6 | 2844.0 | 1402.7 | 1012.3 | 648.1 |
| 80° | 2864.5 | 3149.0 | *3072.2* | 3536.5 | 1907.9 | 1017.4 | 609.4 | 360.8 |
| 82.5° | 1386.7 | 1741.2 | *1787.3* | 2106.0 | 928.1 | 598.6 | 140.5 | 78.5 |
| 85° | 542.9 | 839.9 | *708.4* | 799.5 | 260.6 | 166.7 | 3.4 | 0.0 |
| 87.5° | 60.9 | 97.3 | *89.3* | 70.6 | 31.9 | 6.8 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


HS
SS

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.13

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

## Test Information

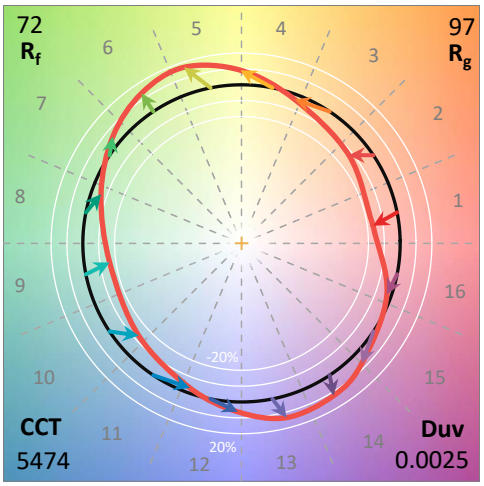
| | |
|---|---|
| Test Method: | LM-79-2008 |
| Report Number: | SP1-1908-441-9-R4 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/28/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | **SA1C-760-U-5WQ** |
| Description: | McGRAW EDISON ROADWAY AND AREA LUMINAIRE |

***THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.***TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 5474 | CRI (Ra): | 71.7 | | |
| CIE u': | 0.2052 | R1: | 70.6 | R9: | -27.1 |
| CIE v': | 0.4804 | R2: | 74.6 | R10: | 40.8 |
| Duv: | 0.0025 | R3: | 78.3 | R11: | 74.6 |
| CIE x: | 0.3330 | R4: | 73.8 | R12: | 50.4 |
| CIE y: | 0.3466 | R5: | 72.4 | R13: | 70.0 |
| CIE z: | 0.3204 | R6: | 67.5 | R14: | 87.8 |
| Peak Wavelength (nm): | 442 | R7: | 77.5 | | |
| Dominant Wavelength (nm): | 554 | R8: | 58.9 | | |
| Purity: | 4.1 | | | | |

| | |
|---|---|
| Rf: | 72.1 |
| Rg: | 97.2 |




## Test Conditions

| | |
|---|---|
| Stabilization Time: | 240M |
| Operation Time: | 12H |
| Room Temperature (°C) / RH%: | 24.6/31% |
| Sphere Temperature (°C): | 25.9 |

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

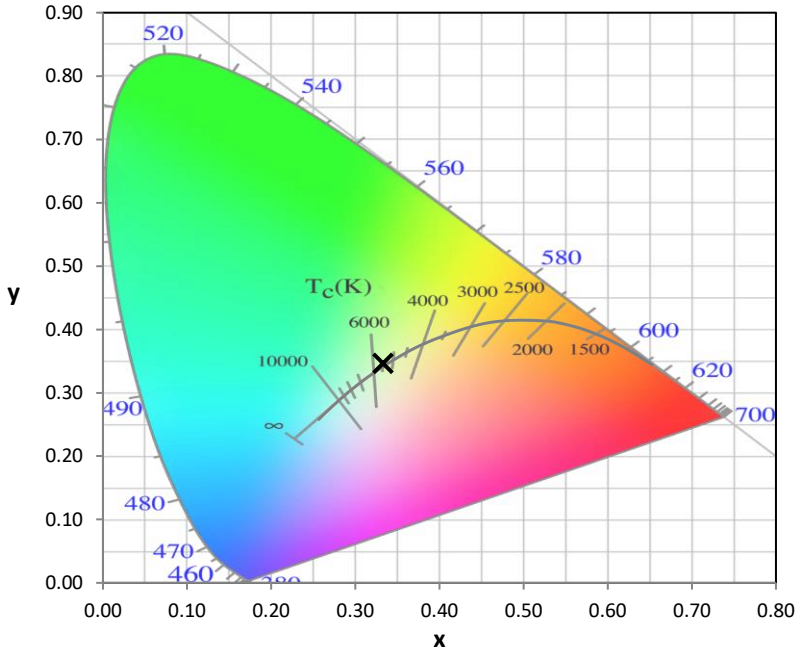
REPORT NUMBER: SP1-1908-441-9-R4

| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/28/2019 | 12/28/2019 |
| Power Meter | IN0071 | 12/5/2018 | 12/5/2019 |
| AC Power Source | IN0063 | 12/5/2018 | 12/5/2019 |
| DC Power Source | IN0208 | 12/5/2018 | 12/5/2019 |
| Sphere Thermometer | IN0085 | 12/5/2018 | 12/5/2019 |
| Room Thermometer | IN0046 | 12/5/2018 | 12/5/2019 |

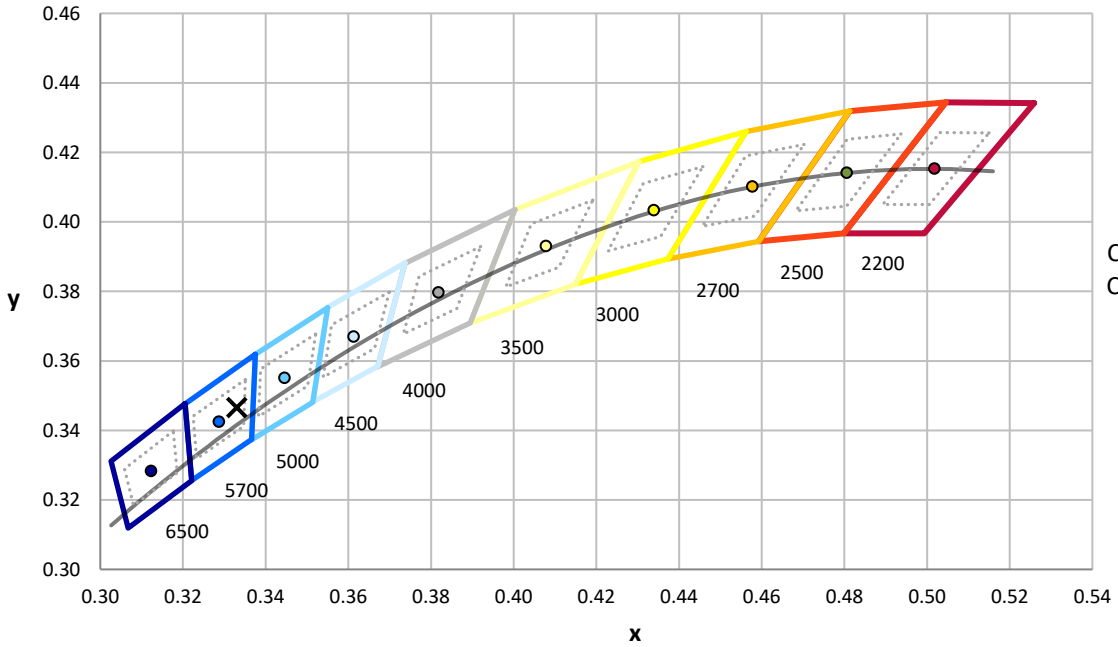
Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

REPORT NUMBER: SP1-1908-441-9-R4

## CIE 1931 Chromaticity Diagram




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



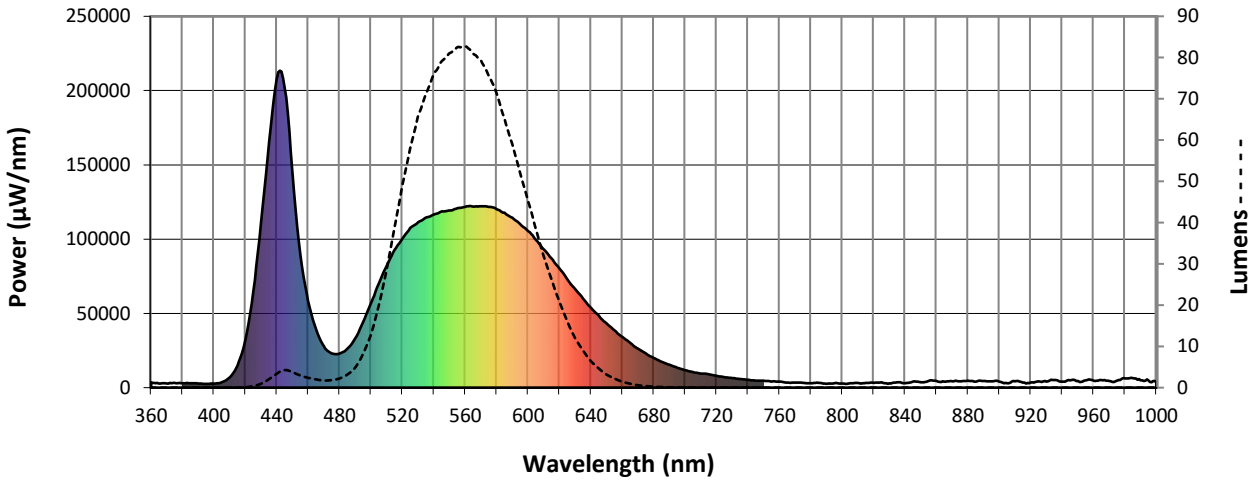

CCT = 5474K
CIE x = 0.3330
CIE y = 0.3466
Duv = 0.0025

Point lies inside the ANSI 5700K 4-step quadrangle

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

REPORT NUMBER: SP1-1908-441-9-R4

## Photopic Flux vs. Wavelength



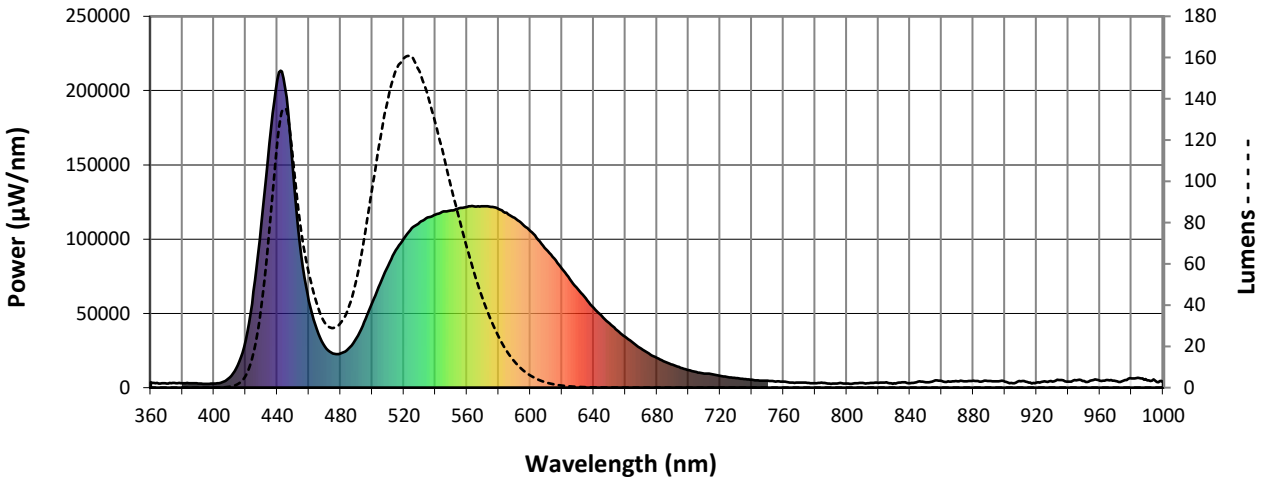

**Photopic Lumens: 7459.9**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 3540 | 0.0 | 490 | 33363 | 4.7 | 620 | 80193 | 20.9 | 750 | 4663 | 0.0 | 880 | 4678 | 0.0 |
| 365 | 2862 | 0.0 | 495 | 44177 | 8.0 | 625 | 73091 | 16.1 | 755 | 4147 | 0.0 | 885 | 4128 | 0.0 |
| 370 | 2865 | 0.0 | 500 | 57019 | 12.6 | 630 | 66269 | 12.0 | 760 | 4040 | 0.0 | 890 | 4504 | 0.0 |
| 375 | 3254 | 0.0 | 505 | 70030 | 19.6 | 635 | 60012 | 9.0 | 765 | 3474 | 0.0 | 895 | 4371 | 0.0 |
| 380 | 3076 | 0.0 | 510 | 81972 | 28.2 | 640 | 53914 | 6.4 | 770 | 3469 | 0.0 | 900 | 4082 | 0.0 |
| 385 | 2904 | 0.0 | 515 | 92590 | 38.4 | 645 | 48385 | 4.7 | 775 | 3181 | 0.0 | 905 | 2982 | 0.0 |
| 390 | 2689 | 0.0 | 520 | 100305 | 48.6 | 650 | 43219 | 3.2 | 780 | 2969 | 0.0 | 910 | 4351 | 0.0 |
| 395 | 2619 | 0.0 | 525 | 107452 | 57.7 | 655 | 38562 | 2.2 | 785 | 3132 | 0.0 | 915 | 3365 | 0.0 |
| 400 | 2679 | 0.0 | 530 | 111373 | 65.6 | 660 | 34110 | 1.4 | 790 | 2507 | 0.0 | 920 | 3430 | 0.0 |
| 405 | 3515 | 0.0 | 535 | 114505 | 71.0 | 665 | 30085 | 1.0 | 795 | 2968 | 0.0 | 925 | 4264 | 0.0 |
| 410 | 6934 | 0.0 | 540 | 116408 | 75.8 | 670 | 26205 | 0.6 | 800 | 2758 | 0.0 | 930 | 4095 | 0.0 |
| 415 | 14943 | 0.0 | 545 | 118700 | 79.0 | 675 | 22906 | 0.4 | 805 | 2872 | 0.0 | 935 | 5048 | 0.0 |
| 420 | 31939 | 0.1 | 550 | 119209 | 81.0 | 680 | 20058 | 0.2 | 810 | 3094 | 0.0 | 940 | 4074 | 0.0 |
| 425 | 64701 | 0.3 | 555 | 120742 | 82.5 | 685 | 17413 | 0.1 | 815 | 3222 | 0.0 | 945 | 4949 | 0.0 |
| 430 | 110939 | 0.9 | 560 | 121594 | 82.6 | 690 | 15447 | 0.1 | 820 | 3238 | 0.0 | 950 | 4387 | 0.0 |
| 435 | 164597 | 1.9 | 565 | 121913 | 81.1 | 695 | 13398 | 0.1 | 825 | 3524 | 0.0 | 955 | 4978 | 0.0 |
| 440 | 207696 | 3.3 | 570 | 122147 | 79.4 | 700 | 11777 | 0.0 | 830 | 2921 | 0.0 | 960 | 4706 | 0.0 |
| 445 | 201830 | 4.2 | 575 | 121605 | 75.7 | 705 | 10412 | 0.0 | 835 | 3595 | 0.0 | 965 | 5083 | 0.0 |
| 450 | 145410 | 3.8 | 580 | 120248 | 71.5 | 710 | 9544 | 0.0 | 840 | 3016 | 0.0 | 970 | 4522 | 0.0 |
| 455 | 89594 | 3.0 | 585 | 117717 | 65.4 | 715 | 8940 | 0.0 | 845 | 4032 | 0.0 | 975 | 4740 | 0.0 |
| 460 | 58321 | 2.4 | 590 | 114359 | 59.1 | 720 | 7897 | 0.0 | 850 | 3579 | 0.0 | 980 | 6122 | 0.0 |
| 465 | 39318 | 2.0 | 595 | 109974 | 52.1 | 725 | 7045 | 0.0 | 855 | 4571 | 0.0 | 985 | 6450 | 0.0 |
| 470 | 27693 | 1.7 | 600 | 105269 | 45.4 | 730 | 6483 | 0.0 | 860 | 4485 | 0.0 | 990 | 4875 | 0.0 |
| 475 | 23081 | 1.8 | 605 | 99453 | 38.5 | 735 | 5838 | 0.0 | 865 | 3978 | 0.0 | 995 | 4764 | 0.0 |
| 480 | 23002 | 2.2 | 610 | 92921 | 31.9 | 740 | 5261 | 0.0 | 870 | 4298 | 0.0 | 1000 | 3640 | 0.0 |
| 485 | 26201 | 3.1 | 615 | 86989 | 26.3 | 745 | 4760 | 0.0 | 875 | 4356 | 0.0 | | | |

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

REPORT NUMBER: SP1-1908-441-9-R4

## Scotopic Flux vs. Wavelength



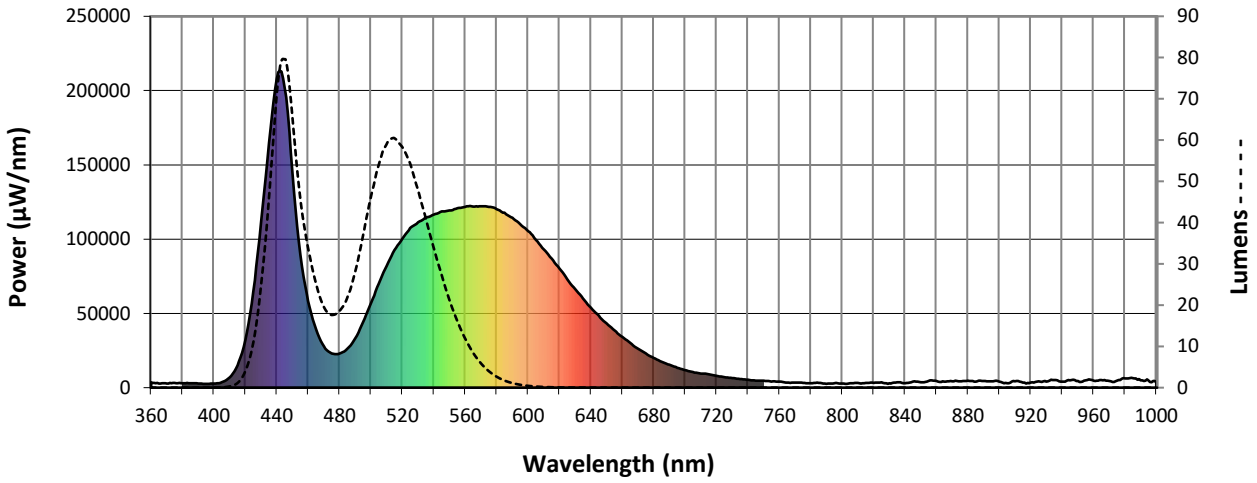

**Scotopic Lumens: 13759.3** **S/P: 1.85**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 3540 | 0.0 | 490 | 33363 | 27.8 | 620 | 80193 | 0.1 | 750 | 4663 | 0.0 | 880 | 4678 | 0.0 |
| 365 | 2862 | 0.0 | 495 | 44177 | 36.5 | 625 | 73091 | 0.0 | 755 | 4147 | 0.0 | 885 | 4128 | 0.0 |
| 370 | 2865 | 0.0 | 500 | 57019 | 45.8 | 630 | 66269 | 0.0 | 760 | 4040 | 0.0 | 890 | 4504 | 0.0 |
| 375 | 3254 | 0.0 | 505 | 70030 | 53.7 | 635 | 60012 | 0.0 | 765 | 3474 | 0.0 | 895 | 4371 | 0.0 |
| 380 | 3076 | 0.0 | 510 | 81972 | 58.9 | 640 | 53914 | 0.0 | 770 | 3469 | 0.0 | 900 | 4082 | 0.0 |
| 385 | 2904 | 0.0 | 515 | 92590 | 60.5 | 645 | 48385 | 0.0 | 775 | 3181 | 0.0 | 905 | 2982 | 0.0 |
| 390 | 2689 | 0.0 | 520 | 100305 | 58.4 | 650 | 43219 | 0.0 | 780 | 2969 | 0.0 | 910 | 4351 | 0.0 |
| 395 | 2619 | 0.0 | 525 | 107452 | 54.5 | 655 | 38562 | 0.0 | 785 | 3132 | 0.0 | 915 | 3365 | 0.0 |
| 400 | 2679 | 0.0 | 530 | 111373 | 48.1 | 660 | 34110 | 0.0 | 790 | 2507 | 0.0 | 920 | 3430 | 0.0 |
| 405 | 3515 | 0.1 | 535 | 114505 | 41.2 | 665 | 30085 | 0.0 | 795 | 2968 | 0.0 | 925 | 4264 | 0.0 |
| 410 | 6934 | 0.3 | 540 | 116408 | 34.1 | 670 | 26205 | 0.0 | 800 | 2758 | 0.0 | 930 | 4095 | 0.0 |
| 415 | 14943 | 1.0 | 545 | 118700 | 27.6 | 675 | 22906 | 0.0 | 805 | 2872 | 0.0 | 935 | 5048 | 0.0 |
| 420 | 31939 | 3.6 | 550 | 119209 | 21.4 | 680 | 20058 | 0.0 | 810 | 3094 | 0.0 | 940 | 4074 | 0.0 |
| 425 | 64701 | 10.1 | 555 | 120742 | 16.3 | 685 | 17413 | 0.0 | 815 | 3222 | 0.0 | 945 | 4949 | 0.0 |
| 430 | 110939 | 23.4 | 560 | 121594 | 12.0 | 690 | 15447 | 0.0 | 820 | 3238 | 0.0 | 950 | 4387 | 0.0 |
| 435 | 164597 | 43.9 | 565 | 121913 | 8.6 | 695 | 13398 | 0.0 | 825 | 3524 | 0.0 | 955 | 4978 | 0.0 |
| 440 | 207696 | 69.4 | 570 | 122147 | 6.0 | 700 | 11777 | 0.0 | 830 | 2921 | 0.0 | 960 | 4706 | 0.0 |
| 445 | 201830 | 79.6 | 575 | 121605 | 4.0 | 705 | 10412 | 0.0 | 835 | 3595 | 0.0 | 965 | 5083 | 0.0 |
| 450 | 145410 | 67.0 | 580 | 120248 | 2.7 | 710 | 9544 | 0.0 | 840 | 3016 | 0.0 | 970 | 4522 | 0.0 |
| 455 | 89594 | 46.9 | 585 | 117717 | 1.7 | 715 | 8940 | 0.0 | 845 | 4032 | 0.0 | 975 | 4740 | 0.0 |
| 460 | 58321 | 34.4 | 590 | 114359 | 1.1 | 720 | 7897 | 0.0 | 850 | 3579 | 0.0 | 980 | 6122 | 0.0 |
| 465 | 39318 | 25.7 | 595 | 109974 | 0.7 | 725 | 7045 | 0.0 | 855 | 4571 | 0.0 | 985 | 6450 | 0.0 |
| 470 | 27693 | 19.8 | 600 | 105269 | 0.4 | 730 | 6483 | 0.0 | 860 | 4485 | 0.0 | 990 | 4875 | 0.0 |
| 475 | 23081 | 17.6 | 605 | 99453 | 0.3 | 735 | 5838 | 0.0 | 865 | 3978 | 0.0 | 995 | 4764 | 0.0 |
| 480 | 23002 | 18.5 | 610 | 92921 | 0.2 | 740 | 5261 | 0.0 | 870 | 4298 | 0.0 | 1000 | 3640 | 0.0 |
| 485 | 26201 | 21.6 | 615 | 86989 | 0.1 | 745 | 4760 | 0.0 | 875 | 4356 | 0.0 | | | |

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

REPORT NUMBER: SP1-1908-441-9-R4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: 5527.6** **M/P: 0.74**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 3540 | 0.0 | 490 | 33363 | 51.4 | 620 | 80193 | 1.0 | 750 | 4663 | 0.0 | 880 | 4678 | 0.0 |
| 365 | 2862 | 0.0 | 495 | 44177 | 71.4 | 625 | 73091 | 0.6 | 755 | 4147 | 0.0 | 885 | 4128 | 0.0 |
| 370 | 2865 | 0.0 | 500 | 57019 | 95.4 | 630 | 66269 | 0.4 | 760 | 4040 | 0.0 | 890 | 4504 | 0.0 |
| 375 | 3254 | 0.0 | 505 | 70030 | 119.1 | 635 | 60012 | 0.2 | 765 | 3474 | 0.0 | 895 | 4371 | 0.0 |
| 380 | 3076 | 0.0 | 510 | 81972 | 138.9 | 640 | 53914 | 0.1 | 770 | 3469 | 0.0 | 900 | 4082 | 0.0 |
| 385 | 2904 | 0.0 | 515 | 92590 | 153.5 | 645 | 48385 | 0.1 | 775 | 3181 | 0.0 | 905 | 2982 | 0.0 |
| 390 | 2689 | 0.0 | 520 | 100305 | 159.4 | 650 | 43219 | 0.0 | 780 | 2969 | 0.0 | 910 | 4351 | 0.0 |
| 395 | 2619 | 0.0 | 525 | 107452 | 160.7 | 655 | 38562 | 0.0 | 785 | 3132 | 0.0 | 915 | 3365 | 0.0 |
| 400 | 2679 | 0.0 | 530 | 111373 | 153.5 | 660 | 34110 | 0.0 | 790 | 2507 | 0.0 | 920 | 3430 | 0.0 |
| 405 | 3515 | 0.1 | 535 | 114505 | 142.7 | 665 | 30085 | 0.0 | 795 | 2968 | 0.0 | 925 | 4264 | 0.0 |
| 410 | 6934 | 0.4 | 540 | 116408 | 128.6 | 670 | 26205 | 0.0 | 800 | 2758 | 0.0 | 930 | 4095 | 0.0 |
| 415 | 14943 | 1.5 | 545 | 118700 | 113.8 | 675 | 22906 | 0.0 | 805 | 2872 | 0.0 | 935 | 5048 | 0.0 |
| 420 | 31939 | 5.3 | 550 | 119209 | 97.5 | 680 | 20058 | 0.0 | 810 | 3094 | 0.0 | 940 | 4074 | 0.0 |
| 425 | 64701 | 15.8 | 555 | 120742 | 82.5 | 685 | 17413 | 0.0 | 815 | 3222 | 0.0 | 945 | 4949 | 0.0 |
| 430 | 110939 | 37.8 | 560 | 121594 | 68.0 | 690 | 15447 | 0.0 | 820 | 3238 | 0.0 | 950 | 4387 | 0.0 |
| 435 | 164597 | 73.6 | 565 | 121913 | 54.7 | 695 | 13398 | 0.0 | 825 | 3524 | 0.0 | 955 | 4978 | 0.0 |
| 440 | 207696 | 116.1 | 570 | 122147 | 43.1 | 700 | 11777 | 0.0 | 830 | 2921 | 0.0 | 960 | 4706 | 0.0 |
| 445 | 201830 | 135.1 | 575 | 121605 | 33.1 | 705 | 10412 | 0.0 | 835 | 3595 | 0.0 | 965 | 5083 | 0.0 |
| 450 | 145410 | 112.7 | 580 | 120248 | 24.8 | 710 | 9544 | 0.0 | 840 | 3016 | 0.0 | 970 | 4522 | 0.0 |
| 455 | 89594 | 78.3 | 585 | 117717 | 18.0 | 715 | 8940 | 0.0 | 845 | 4032 | 0.0 | 975 | 4740 | 0.0 |
| 460 | 58321 | 56.3 | 590 | 114359 | 12.7 | 720 | 7897 | 0.0 | 850 | 3579 | 0.0 | 980 | 6122 | 0.0 |
| 465 | 39318 | 41.5 | 595 | 109974 | 8.8 | 725 | 7045 | 0.0 | 855 | 4571 | 0.0 | 985 | 6450 | 0.0 |
| 470 | 27693 | 31.9 | 600 | 105269 | 5.9 | 730 | 6483 | 0.0 | 860 | 4485 | 0.0 | 990 | 4875 | 0.0 |
| 475 | 23081 | 28.9 | 605 | 99453 | 3.9 | 735 | 5838 | 0.0 | 865 | 3978 | 0.0 | 995 | 4764 | 0.0 |
| 480 | 23002 | 31.1 | 610 | 92921 | 2.5 | 740 | 5261 | 0.0 | 870 | 4298 | 0.0 | 1000 | 3640 | 0.0 |
| 485 | 26201 | 38.0 | 615 | 86989 | 1.6 | 745 | 4760 | 0.0 | 875 | 4356 | 0.0 | | | |

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Peachtree City, GA 30269

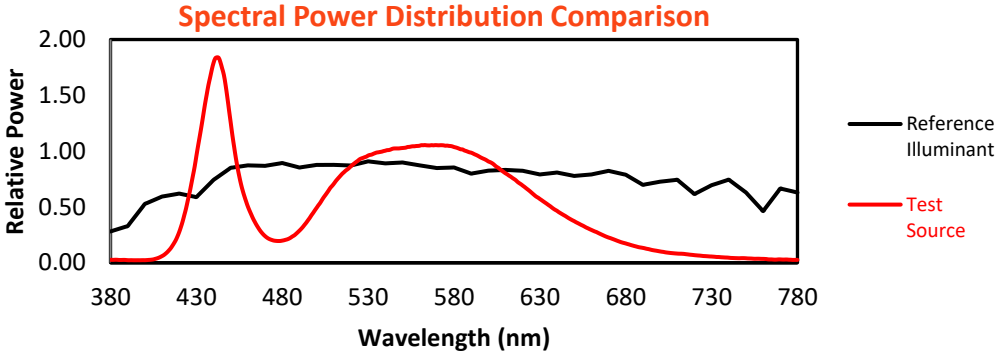
REPORT NUMBER: SP1-1908-441-9-R4

# TM-30-18

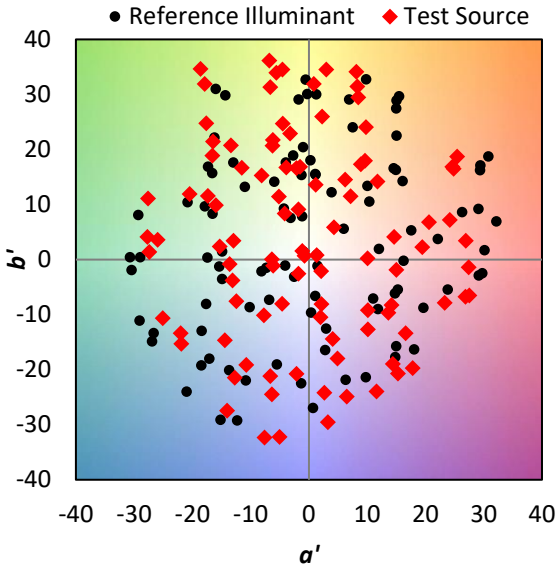
## Summary

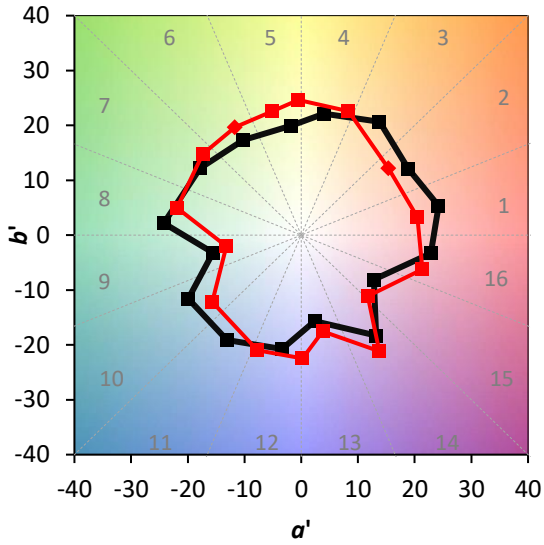
$R_f$ = 72.1
$R_g$ = 97.2
CIE $R_a$ = 71.7
$R_9$ = -27.1

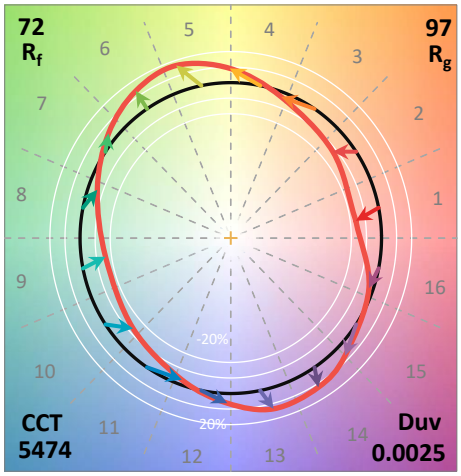
## Spectral Power Distribution Comparison

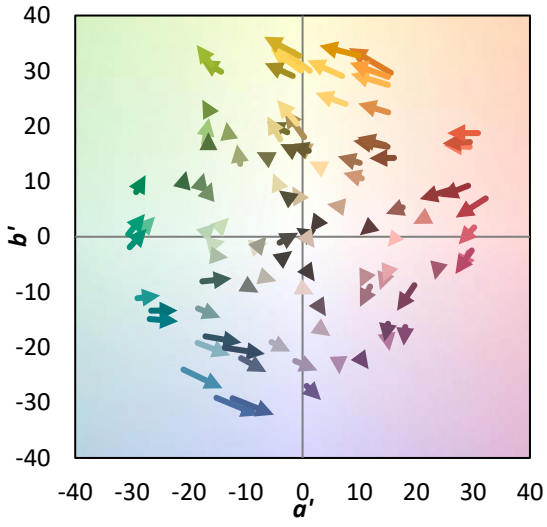



## Color Vector Graphics



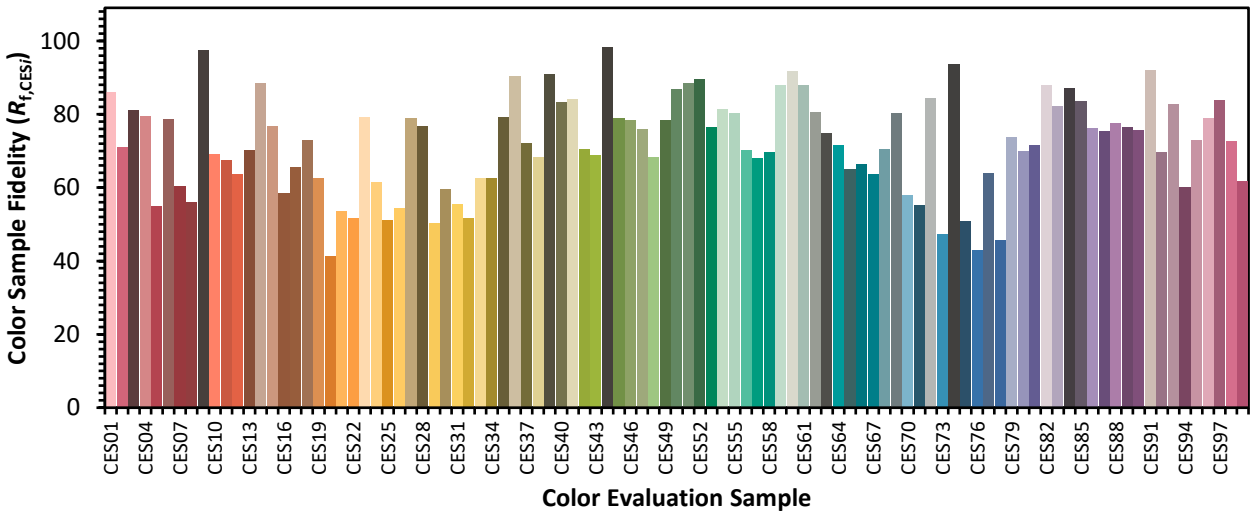
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Peachtree City, GA 30269

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

| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 54 | CES51 = 88 | CES76 = 43 |
| CES02 = 59 | CES27 = 79 | CES52 = 90 | CES77 = 64 |
| CES03 = 30 | CES28 = 77 | CES53 = 77 | CES78 = 46 |
| CES04 = 69 | CES29 = 50 | CES54 = 81 | CES79 = 74 |
| CES05 = 46 | CES30 = 59 | CES55 = 80 | CES80 = 70 |
| CES06 = 50 | CES31 = 55 | CES56 = 70 | CES81 = 71 |
| CES07 = 38 | CES32 = 52 | CES57 = 68 | CES82 = 88 |
| CES08 = 38 | CES33 = 63 | CES58 = 70 | CES83 = 82 |
| CES09 = 29 | CES34 = 63 | CES59 = 88 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 92 | CES85 = 84 |
| CES11 = 55 | CES36 = 90 | CES61 = 88 | CES86 = 76 |
| CES12 = 61 | CES37 = 72 | CES62 = 81 | CES87 = 75 |
| CES13 = 41 | CES38 = 68 | CES63 = 75 | CES88 = 77 |
| CES14 = 74 | CES39 = 91 | CES64 = 72 | CES89 = 76 |
| CES15 = 70 | CES40 = 83 | CES65 = 65 | CES90 = 76 |
| CES16 = 46 | CES41 = 84 | CES66 = 66 | CES91 = 92 |
| CES17 = 48 | CES42 = 70 | CES67 = 64 | CES92 = 70 |
| CES18 = 55 | CES43 = 69 | CES68 = 71 | CES93 = 83 |
| CES19 = 70 | CES44 = 98 | CES69 = 80 | CES94 = 60 |
| CES20 = 64 | CES45 = 79 | CES70 = 58 | CES95 = 73 |
| CES21 = 85 | CES46 = 78 | CES71 = 55 | CES96 = 79 |
| CES22 = 77 | CES47 = 76 | CES72 = 84 | CES97 = 84 |
| CES23 = 91 | CES48 = 68 | CES73 = 47 | CES98 = 73 |
| CES24 = 90 | CES49 = 78 | CES74 = 94 | CES99 = 62 |
| CES25 = 71 | CES50 = 87 | CES75 = 51 | |

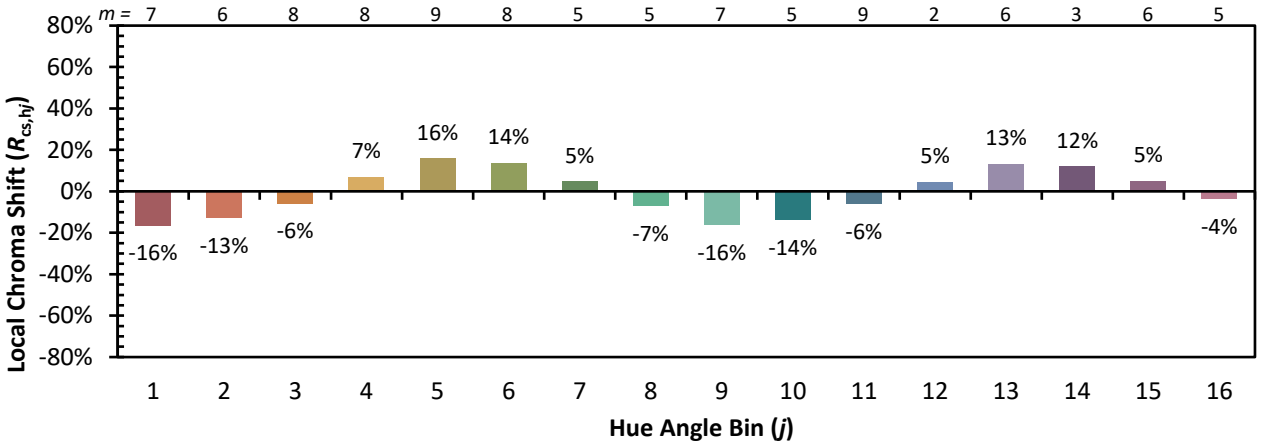


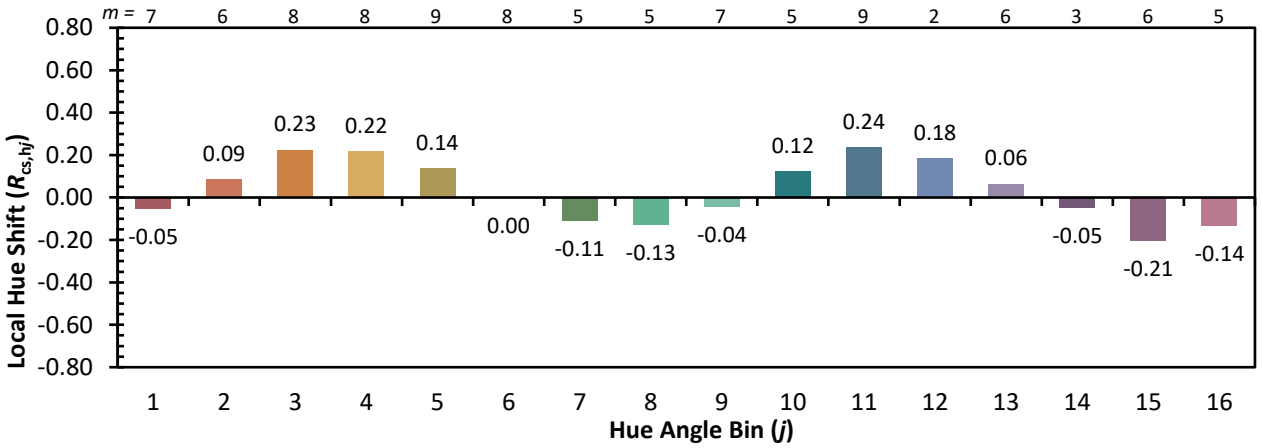
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Peachtree City, GA 30269

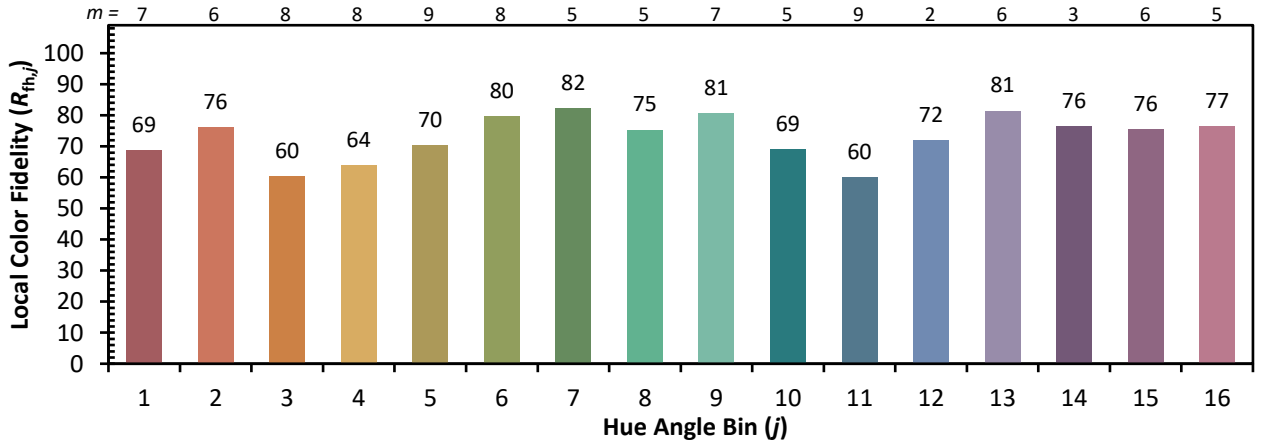
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## Color Rendition by Hue-Angle Bin



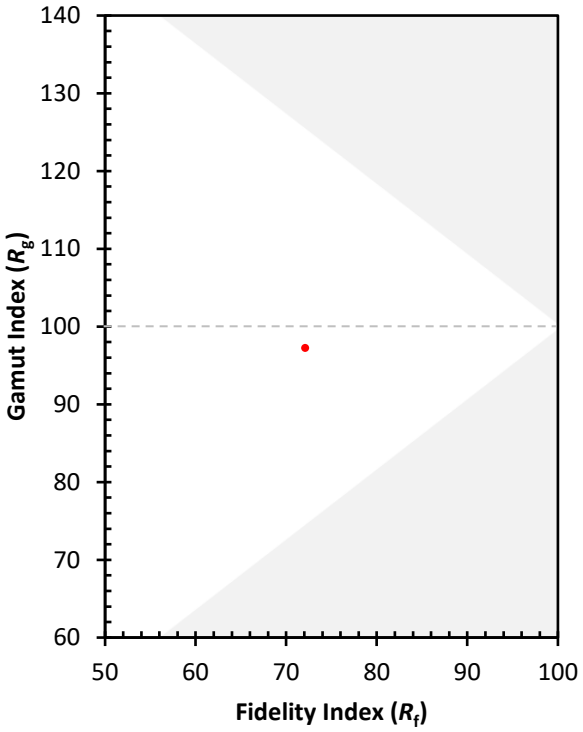



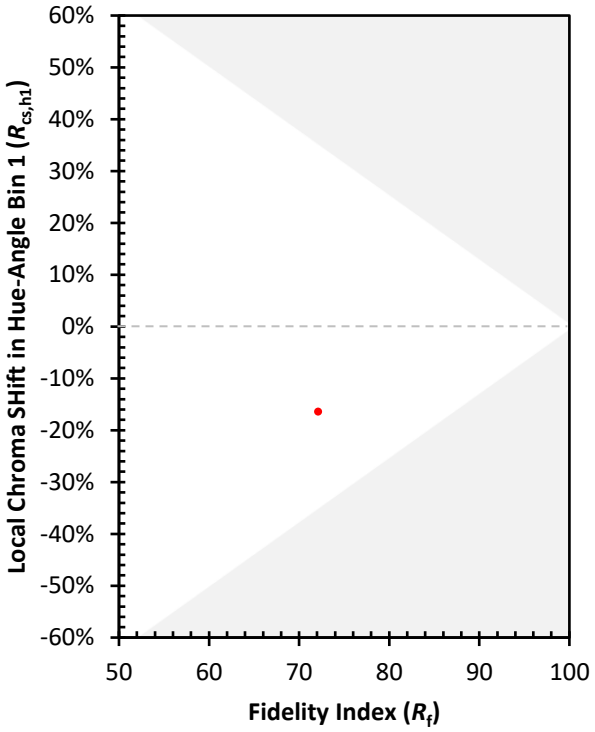
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### Measure Comparisons




(END OF REPORT)