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: P1201907

Luminaire Tested: GWC-SB1C-740-U-SLR

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: | P1201907 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/14/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1C-740-U-SLR |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 7936 lumens |
| Efficiency: | N/A |
| Efficacy: | 145.9 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U0 - G3 |

| | |
|---|---|
| Input Watts (W): | 54.4 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.437 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.993 |
| Total Harmonic Distortion (THDi): | 9.314 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

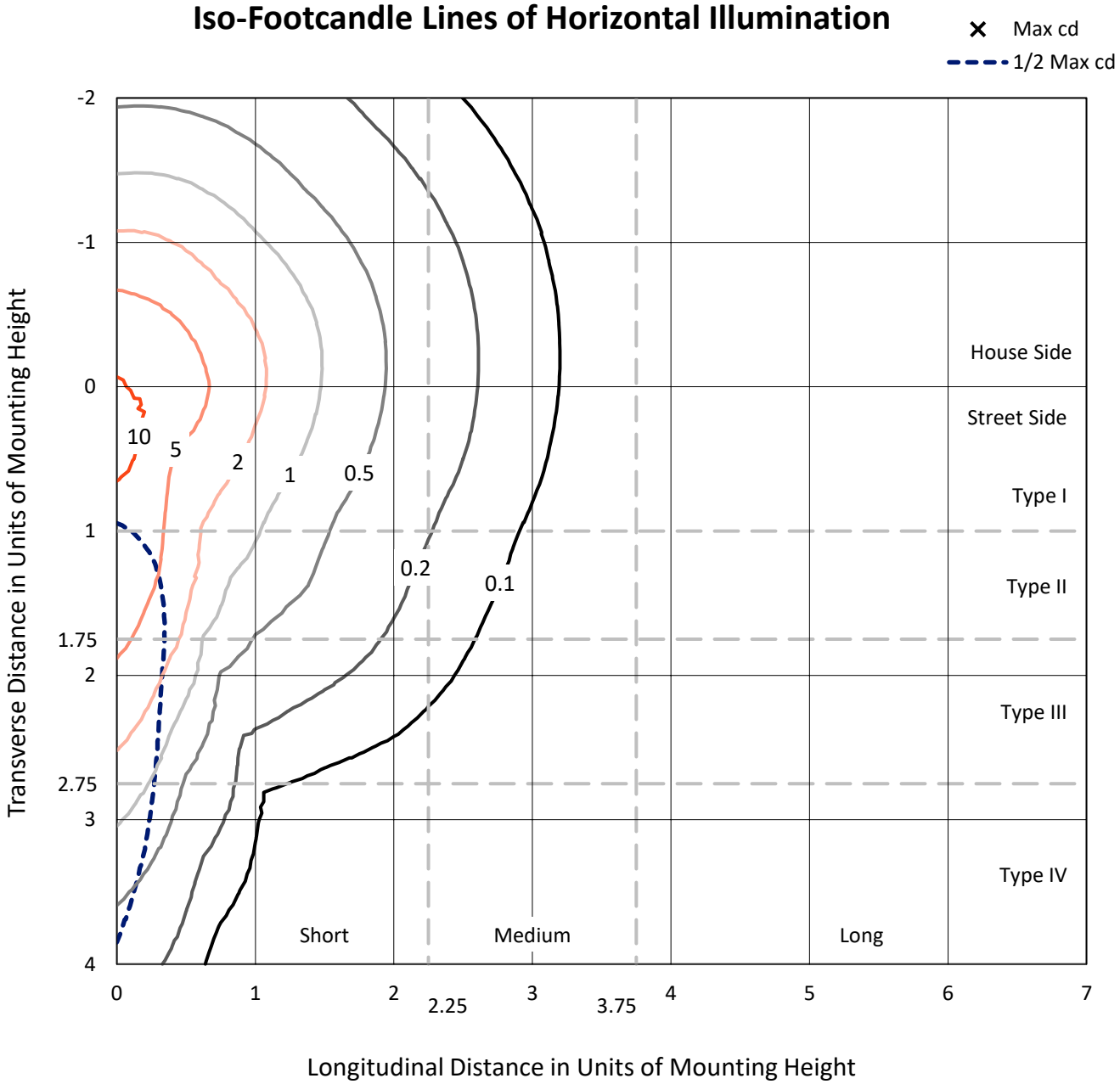


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## Iso-Footcandle Lines of Horizontal Illumination



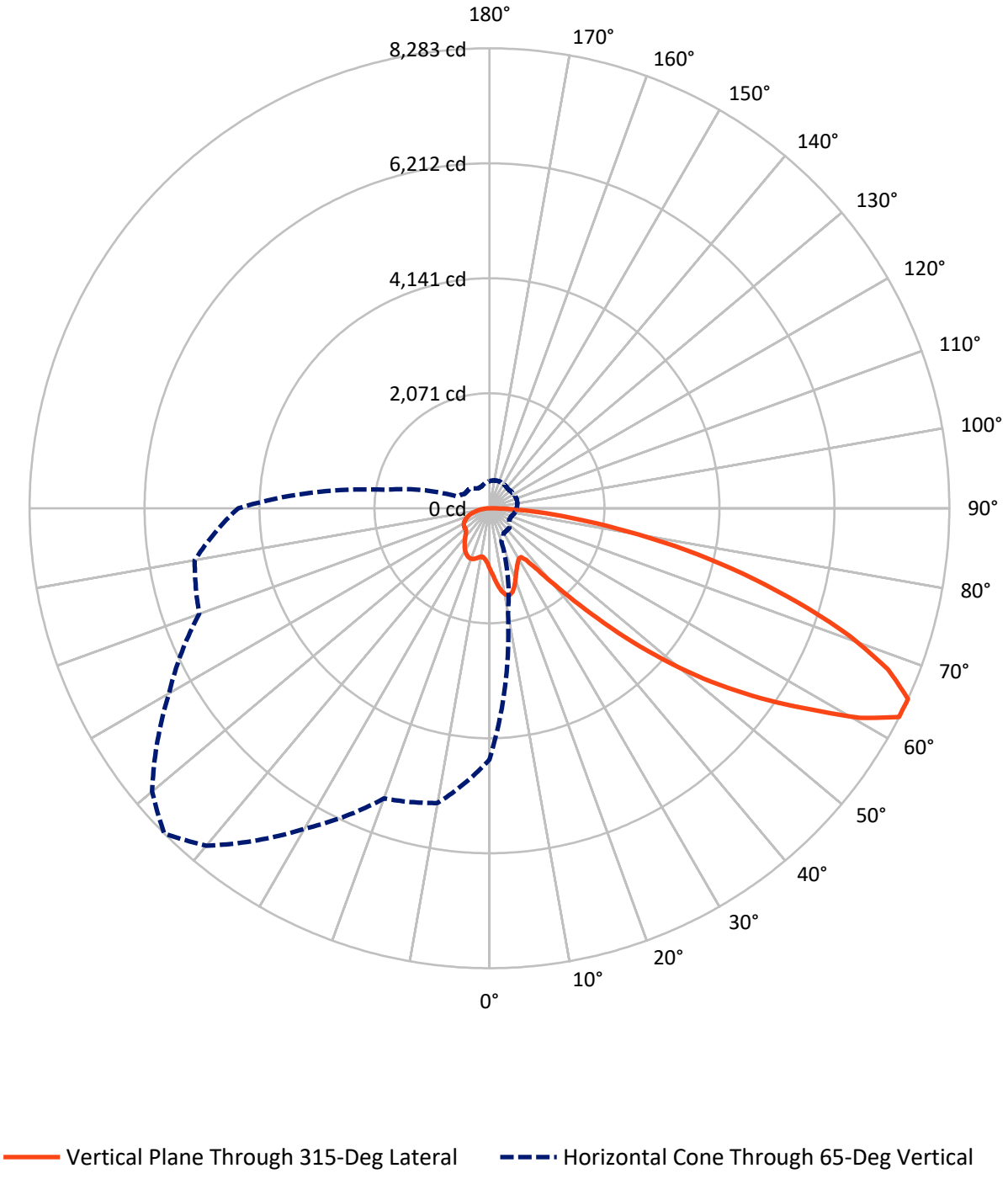

Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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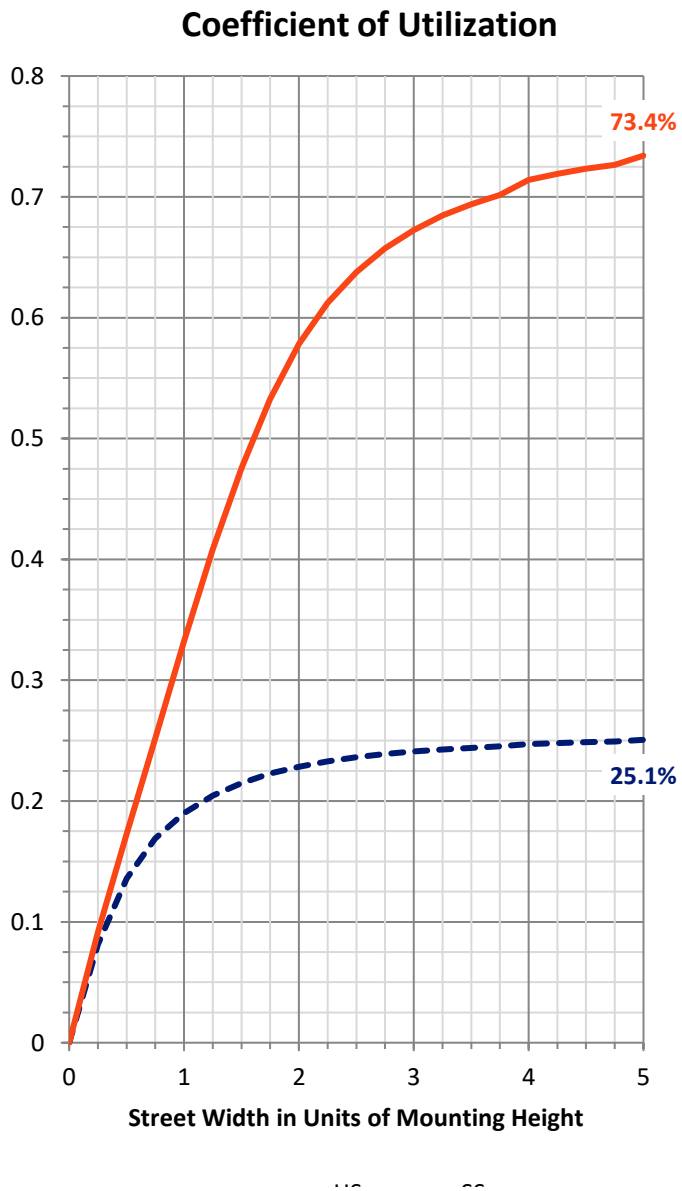
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2016.9 | 0.0 | 2016.9 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| **Street Side** | Lumens | 5919.1 | 0.0 | 5919.1 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| **Total** | Lumens | 7936.0 | 0.0 | 7936.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 108.3 | 1.4 |
| 10°-20° | 339.8 | 4.3 |
| 20°-30° | 524.9 | 6.6 |
| 30°-40° | 665.2 | 8.4 |
| 40°-50° | 1003.3 | 12.6 |
| 50°-60° | 1621.0 | 20.4 |
| 60°-70° | 2020.8 | 25.5 |
| 70°-80° | 1325.1 | 16.7 |
| 80°-90° | 327.6 | 4.1 |
| 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° | 7936.0 | 100.0 |
| 0°-180° | 7936.0 | 100.0 |



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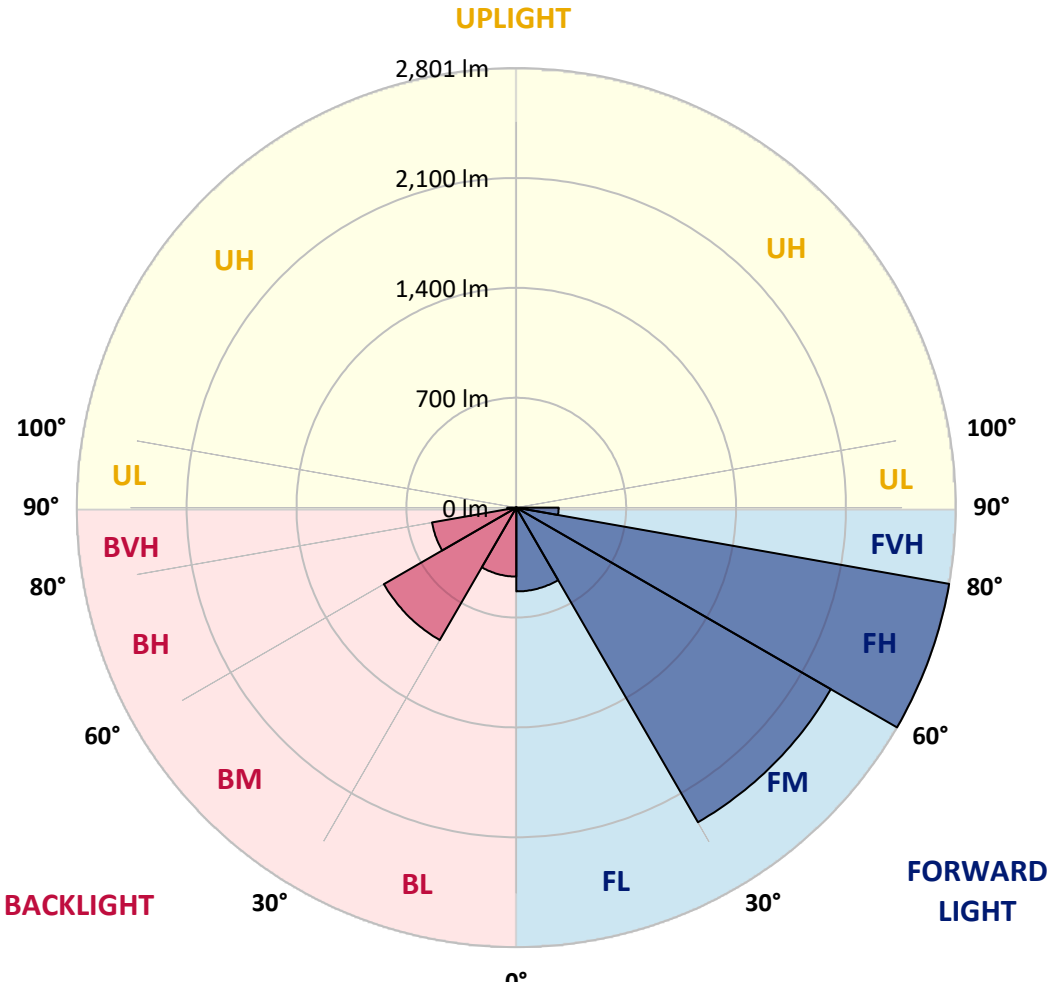
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 533.8 | 6.7 | | | |
| FM | (30°-60°) | 2314.8 | 29.2 | | | |
| FH | (60°-80°) | 2800.6 | 35.3 | | | G2/5000 |
| FVH | (80°-90°) | 269.9 | 3.4 | | | G3/500 |
| BL | (0°-30°) | 439.2 | 5.5 | B1/500 | | |
| BM | (30°-60°) | 974.7 | 12.3 | B1/1000 | | |
| BH | (60°-80°) | 545.3 | 6.9 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 57.7 | 0.7 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G3**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 |
| 2.5° | 1173.6 | 1164.5 | 1155.5 | 1146.0 | 1136.4 | 1126.8 | 1117.1 | 1107.9 | 1098.7 | 1089.8 | 1079.9 |
| 5° | 1261.9 | 1242.0 | 1222.1 | 1202.3 | 1182.5 | 1162.5 | 1142.6 | 1123.9 | 1105.3 | 1087.7 | 1070.3 |
| 7.5° | 1350.7 | 1317.9 | 1285.1 | 1254.7 | 1224.4 | 1194.9 | 1165.4 | 1139.4 | 1113.4 | 1089.4 | 1066.9 |
| 10° | 1418.7 | 1377.2 | 1335.7 | 1295.7 | 1255.6 | 1219.8 | 1183.9 | 1153.2 | 1122.3 | 1092.7 | 1068.6 |
| 12.5° | 1460.4 | 1414.8 | 1369.2 | 1323.8 | 1278.5 | 1236.2 | 1193.9 | 1159.1 | 1124.3 | 1093.2 | 1070.7 |
| 15° | 1485.7 | 1438.2 | 1390.7 | 1341.4 | 1292.2 | 1243.5 | 1194.8 | 1154.5 | 1114.2 | 1079.8 | 1061.7 |
| 17.5° | 1500.0 | 1451.8 | 1403.6 | 1349.8 | 1296.1 | 1239.6 | 1183.1 | 1134.6 | 1086.2 | 1045.6 | 1034.5 |
| 20° | 1515.7 | 1465.6 | 1415.5 | 1356.4 | 1297.4 | 1228.9 | 1160.4 | 1100.3 | 1040.3 | 993.1 | 990.1 |
| 22.5° | 1533.9 | 1482.7 | 1431.5 | 1365.3 | 1299.1 | 1215.7 | 1132.4 | 1060.1 | 987.8 | 934.0 | 939.8 |
| 25° | 1557.3 | 1507.2 | 1457.0 | 1381.4 | 1305.7 | 1202.7 | 1099.9 | 1015.1 | 930.5 | 875.4 | 890.9 |
| 27.5° | 1589.2 | 1541.3 | 1493.5 | 1406.5 | 1319.5 | 1194.1 | 1068.7 | 974.1 | 879.5 | 829.3 | 848.2 |
| 30° | 1632.1 | 1585.9 | 1539.7 | 1439.0 | 1338.4 | 1190.0 | 1041.5 | 939.7 | 837.9 | 795.8 | 810.6 |
| 32.5° | 1682.8 | 1637.0 | 1591.3 | 1473.0 | 1354.7 | 1185.0 | 1015.1 | 910.1 | 805.1 | 771.1 | 777.7 |
| 35° | 1744.3 | 1700.5 | 1656.7 | 1511.7 | 1366.7 | 1175.5 | 984.4 | 881.0 | 777.6 | 749.4 | 746.6 |
| 37.5° | 1848.0 | 1792.1 | 1736.2 | 1555.0 | 1373.8 | 1159.3 | 944.8 | 846.8 | 748.7 | 724.0 | 714.1 |
| 40° | 2004.6 | 1923.2 | 1841.8 | 1610.1 | 1378.3 | 1137.0 | 895.7 | 805.9 | 716.1 | 693.7 | 678.4 |
| 42.5° | 2212.3 | 2094.8 | 1977.3 | 1682.0 | 1386.8 | 1114.0 | 841.2 | 760.8 | 680.4 | 659.7 | 640.5 |
| 45° | 2468.8 | 2310.3 | 2151.8 | 1776.8 | 1401.8 | 1092.6 | 783.4 | 712.9 | 642.4 | 621.4 | 602.8 |
| 47.5° | 2789.5 | 2566.4 | 2343.3 | 1877.7 | 1412.0 | 1074.9 | 737.8 | 675.0 | 612.2 | 585.2 | 569.2 |
| 50° | 3209.9 | 2873.6 | 2537.3 | 1971.3 | 1405.3 | 1055.6 | 705.9 | 649.8 | 593.7 | 558.2 | 539.6 |
| 52.5° | 3692.6 | 3196.3 | 2700.1 | 2032.1 | 1364.1 | 1023.1 | 682.1 | 633.2 | 584.4 | 543.5 | 517.5 |
| 55° | 4206.4 | 3482.4 | 2758.5 | 2018.7 | 1278.9 | 969.2 | 659.5 | 621.2 | 583.0 | 545.0 | 505.8 |
| 57.5° | 4673.7 | 3685.2 | 2696.7 | 1924.4 | 1152.2 | 893.1 | 634.0 | 607.0 | 580.0 | 546.5 | 498.7 |
| 60° | 4956.1 | 3735.9 | 2515.5 | 1748.9 | 982.3 | 794.4 | 606.4 | 585.2 | 564.0 | 541.9 | 492.1 |
| 62.5° | 4812.7 | 3522.5 | 2232.3 | 1511.6 | 790.9 | 676.2 | 561.5 | 547.4 | 533.3 | 530.6 | 484.4 |
| 65° | *4525.7* | *3220.6* | *1915.6* | *1269.5* | *623.4* | *569.9* | *516.3* | *509.7* | *503.0* | *503.3* | *468.2* |
| 67.5° | 4141.0 | 2861.4 | 1581.7 | 1032.3 | 482.9 | 467.7 | 452.5 | 456.2 | 459.9 | 459.0 | 439.2 |
| 70° | 3678.9 | 2469.4 | 1259.8 | 812.8 | 365.8 | 370.1 | 374.4 | 391.7 | 408.9 | 408.9 | 402.4 |
| 72.5° | 3128.3 | 2044.4 | 960.6 | 621.4 | 282.2 | 295.3 | 308.4 | 332.9 | 357.3 | 361.4 | 361.5 |
| 75° | 2431.7 | 1557.3 | 682.9 | 451.0 | 219.1 | 231.0 | 242.9 | 270.3 | 297.6 | 316.6 | 315.0 |
| 77.5° | 1737.4 | 1090.0 | 442.5 | 305.6 | 168.7 | 176.8 | 184.9 | 211.5 | 238.1 | 269.3 | 268.4 |
| 80° | 1137.1 | 702.2 | 267.4 | 196.9 | 126.5 | 129.8 | 133.2 | 155.7 | 178.2 | 215.4 | 215.3 |
| 82.5° | 661.0 | 406.4 | 151.9 | 121.1 | 90.4 | 91.0 | 91.6 | 108.2 | 124.8 | 156.6 | 158.4 |
| 85° | 290.8 | 182.8 | 74.9 | 64.7 | 54.6 | 54.4 | 54.0 | 66.2 | 78.3 | 102.0 | 104.3 |
| 87.5° | 90.0 | 59.9 | 29.7 | 26.8 | 24.0 | 23.7 | 23.4 | 28.3 | 33.3 | 43.1 | 46.1 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 |
| 2.5° | 1071.8 | 1063.8 | 1056.6 | 1049.4 | 1043.1 | 1036.7 | 1030.4 | 1024.1 | 1019.2 | 1014.2 | 1010.2 |
| 5° | 1055.2 | 1040.0 | 1027.2 | 1014.6 | 1003.3 | 992.1 | 981.9 | 971.7 | 963.9 | 956.0 | 950.5 |
| 7.5° | 1046.7 | 1026.6 | 1009.8 | 993.1 | 979.0 | 964.8 | 952.3 | 939.9 | 930.6 | 921.3 | 914.7 |
| 10° | 1047.3 | 1026.0 | 1009.3 | 992.5 | 977.3 | 962.1 | 948.1 | 934.0 | 922.9 | 911.7 | 904.4 |
| 12.5° | 1053.2 | 1035.9 | 1024.8 | 1013.7 | 1001.7 | 989.8 | 975.3 | 960.8 | 946.6 | 932.4 | 922.9 |
| 15° | 1053.4 | 1045.1 | 1046.6 | 1048.1 | 1045.0 | 1041.9 | 1029.3 | 1016.7 | 996.5 | 976.2 | 961.9 |
| 17.5° | 1037.6 | 1040.6 | 1058.9 | 1077.1 | 1086.8 | 1096.5 | 1086.3 | 1076.2 | 1049.4 | 1022.5 | 1001.4 |
| 20° | 1004.4 | 1018.6 | 1050.3 | 1082.1 | 1102.4 | 1122.7 | 1118.0 | 1113.3 | 1082.6 | 1051.9 | 1026.0 |
| 22.5° | 960.8 | 981.9 | 1018.1 | 1054.3 | 1080.8 | 1107.2 | 1110.0 | 1112.8 | 1083.5 | 1054.2 | 1027.6 |
| 25° | 915.2 | 939.5 | 972.0 | 1004.6 | 1030.6 | 1056.6 | 1066.3 | 1076.0 | 1051.9 | 1028.0 | 1004.3 |
| 27.5° | 871.6 | 895.1 | 921.8 | 948.6 | 969.4 | 990.3 | 1001.1 | 1011.9 | 994.8 | 977.7 | 959.3 |
| 30° | 829.2 | 847.9 | 870.1 | 892.3 | 909.6 | 926.9 | 935.7 | 944.5 | 931.5 | 918.4 | 905.3 |
| 32.5° | 788.7 | 799.7 | 817.4 | 835.2 | 851.8 | 868.4 | 878.2 | 888.0 | 876.0 | 864.0 | 853.5 |
| 35° | 749.7 | 752.7 | 766.2 | 779.7 | 796.1 | 812.6 | 824.3 | 836.0 | 827.5 | 819.0 | 809.3 |
| 37.5° | 710.7 | 707.4 | 717.1 | 726.7 | 743.1 | 759.5 | 774.0 | 788.5 | 784.6 | 780.6 | 771.7 |
| 40° | 670.8 | 663.2 | 670.2 | 677.2 | 693.0 | 708.9 | 725.5 | 742.2 | 743.2 | 744.1 | 736.5 |
| 42.5° | 630.4 | 620.4 | 626.1 | 631.8 | 646.8 | 661.8 | 679.8 | 697.9 | 702.7 | 707.5 | 701.1 |
| 45° | 593.0 | 583.2 | 588.0 | 592.9 | 607.1 | 621.3 | 640.0 | 658.7 | 665.6 | 672.5 | 666.7 |
| 47.5° | 561.0 | 552.8 | 557.3 | 561.8 | 575.7 | 589.6 | 608.0 | 626.5 | 634.4 | 642.4 | 638.3 |
| 50° | 532.3 | 525.0 | 532.1 | 539.1 | 552.3 | 565.4 | 581.9 | 598.4 | 608.6 | 618.8 | 618.6 |
| 52.5° | 510.3 | 503.1 | 513.7 | 524.3 | 536.3 | 548.4 | 563.7 | 579.1 | 591.2 | 603.3 | 605.5 |
| 55° | 494.4 | 483.0 | 498.1 | 513.1 | 526.0 | 539.0 | 552.5 | 565.9 | 578.8 | 591.6 | 594.6 |
| 57.5° | 482.2 | 465.6 | 481.7 | 497.9 | 513.1 | 528.4 | 541.7 | 555.1 | 568.0 | 580.9 | 584.0 |
| 60° | 470.6 | 449.1 | 463.3 | 477.5 | 495.0 | 512.5 | 526.0 | 539.6 | 552.5 | 565.5 | 568.9 |
| 62.5° | 457.5 | 430.7 | 439.7 | 448.7 | 469.1 | 489.5 | 504.0 | 518.4 | 530.3 | 542.2 | 545.4 |
| 65° | *439.6* | *411.0* | *414.5* | *417.9* | *439.8* | *461.7* | *475.5* | *489.3* | *499.8* | *510.2* | *513.6* |
| 67.5° | 415.4 | 391.6 | 390.5 | 389.4 | 409.6 | 429.8 | 443.0 | 456.0 | 465.1 | 474.1 | 477.3 |
| 70° | 385.5 | 368.6 | 364.8 | 361.0 | 378.8 | 396.6 | 407.9 | 419.2 | 427.3 | 435.5 | 438.6 |
| 72.5° | 349.9 | 338.3 | 332.7 | 327.3 | 341.2 | 355.2 | 365.4 | 375.6 | 383.6 | 391.6 | 395.3 |
| 75° | 306.1 | 297.1 | 291.8 | 286.5 | 296.9 | 307.3 | 316.5 | 325.8 | 333.1 | 340.4 | 344.2 |
| 77.5° | 261.3 | 254.1 | 248.7 | 243.4 | 251.8 | 260.3 | 268.2 | 276.2 | 283.8 | 291.5 | 295.1 |
| 80° | 209.3 | 203.3 | 198.8 | 194.3 | 201.3 | 208.3 | 215.0 | 221.7 | 227.5 | 233.3 | 238.1 |
| 82.5° | 155.4 | 152.5 | 149.3 | 146.1 | 145.6 | 145.0 | 142.6 | 140.3 | 152.7 | 165.1 | 173.2 |
| 85° | 101.1 | 98.0 | 94.4 | 90.9 | 87.9 | 84.8 | 78.3 | 71.8 | 83.4 | 95.1 | 105.1 |
| 87.5° | 44.8 | 43.6 | 42.9 | 42.2 | 42.1 | 42.0 | 37.0 | 32.0 | 36.9 | 41.8 | 45.9 |
| 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):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 |
| 2.5° | 1006.3 | 1003.2 | 1000.1 | 997.2 | 994.3 | 990.8 | 994.3 | 997.2 | 1000.1 | 1003.2 | 1006.3 |
| 5° | 945.0 | 941.1 | 937.3 | 934.3 | 931.3 | 928.4 | 931.3 | 934.3 | 937.3 | 941.1 | 945.0 |
| 7.5° | 908.2 | 903.7 | 899.3 | 896.6 | 894.0 | 891.9 | 894.0 | 896.6 | 899.3 | 903.7 | 908.2 |
| 10° | 897.1 | 892.8 | 888.6 | 886.3 | 884.1 | 883.1 | 884.1 | 886.3 | 888.6 | 892.8 | 897.1 |
| 12.5° | 913.5 | 908.8 | 904.1 | 902.2 | 900.2 | 899.9 | 900.2 | 902.2 | 904.1 | 908.8 | 913.5 |
| 15° | 947.6 | 941.0 | 934.4 | 931.9 | 929.4 | 929.2 | 929.4 | 931.9 | 934.4 | 941.0 | 947.6 |
| 17.5° | 980.3 | 970.6 | 960.8 | 957.6 | 954.4 | 953.9 | 954.4 | 957.6 | 960.8 | 970.6 | 980.3 |
| 20° | 1000.2 | 987.8 | 975.3 | 971.3 | 967.3 | 966.1 | 967.3 | 971.3 | 975.3 | 987.8 | 1000.2 |
| 22.5° | 1000.9 | 987.8 | 974.6 | 970.2 | 965.9 | 964.0 | 965.9 | 970.2 | 974.6 | 987.8 | 1000.9 |
| 25° | 980.6 | 969.2 | 957.9 | 953.8 | 949.6 | 947.2 | 949.6 | 953.8 | 957.9 | 969.2 | 980.6 |
| 27.5° | 940.9 | 933.3 | 925.7 | 923.8 | 921.9 | 921.3 | 921.9 | 923.8 | 925.7 | 933.3 | 940.9 |
| 30° | 892.0 | 888.1 | 884.2 | 884.2 | 884.2 | 884.8 | 884.2 | 884.2 | 884.2 | 888.1 | 892.0 |
| 32.5° | 842.9 | 840.4 | 837.8 | 838.2 | 838.6 | 839.2 | 838.6 | 838.2 | 837.8 | 840.4 | 842.9 |
| 35° | 799.6 | 795.7 | 791.9 | 791.0 | 790.2 | 789.8 | 790.2 | 791.0 | 791.9 | 795.7 | 799.6 |
| 37.5° | 762.8 | 755.7 | 748.6 | 744.9 | 741.2 | 739.1 | 741.2 | 744.9 | 748.6 | 755.7 | 762.8 |
| 40° | 729.0 | 718.7 | 708.4 | 701.5 | 694.6 | 690.5 | 694.6 | 701.5 | 708.4 | 718.7 | 729.0 |
| 42.5° | 694.7 | 681.9 | 669.2 | 659.1 | 649.0 | 642.4 | 649.0 | 659.1 | 669.2 | 681.9 | 694.7 |
| 45° | 661.0 | 646.4 | 631.8 | 620.0 | 608.1 | 600.5 | 608.1 | 620.0 | 631.8 | 646.4 | 661.0 |
| 47.5° | 634.3 | 621.3 | 608.4 | 597.4 | 586.5 | 579.1 | 586.5 | 597.4 | 608.4 | 621.3 | 634.3 |
| 50° | 618.4 | 608.0 | 597.6 | 587.5 | 577.4 | 570.3 | 577.4 | 587.5 | 597.6 | 608.0 | 618.4 |
| 52.5° | 607.7 | 599.2 | 590.8 | 581.7 | 572.6 | 566.2 | 572.6 | 581.7 | 590.8 | 599.2 | 607.7 |
| 55° | 597.6 | 590.3 | 582.9 | 574.9 | 567.0 | 561.1 | 567.0 | 574.9 | 582.9 | 590.3 | 597.6 |
| 57.5° | 587.0 | 579.6 | 572.1 | 564.2 | 556.3 | 550.2 | 556.3 | 564.2 | 572.1 | 579.6 | 587.0 |
| 60° | 572.2 | 564.9 | 557.7 | 549.6 | 541.4 | 535.2 | 541.4 | 549.6 | 557.7 | 564.9 | 572.2 |
| 62.5° | 548.6 | 542.1 | 535.5 | 527.0 | 518.4 | 510.9 | 518.4 | 527.0 | 535.5 | 542.1 | 548.6 |
| 65° | *516.8* | *510.5* | *504.2* | *495.9* | *487.6* | *481.1* | *487.6* | *495.9* | *504.2* | *510.5* | *516.8* |
| 67.5° | 480.5 | 474.7 | 468.9 | 461.2 | 453.5 | 447.6 | 453.5 | 461.2 | 468.9 | 474.7 | 480.5 |
| 70° | 441.7 | 437.0 | 432.2 | 424.9 | 417.5 | 410.8 | 417.5 | 424.9 | 432.2 | 437.0 | 441.7 |
| 72.5° | 399.0 | 395.1 | 391.1 | 384.1 | 377.1 | 370.6 | 377.1 | 384.1 | 391.1 | 395.1 | 399.0 |
| 75° | 348.1 | 346.1 | 344.2 | 338.3 | 332.4 | 326.2 | 332.4 | 338.3 | 344.2 | 346.1 | 348.1 |
| 77.5° | 298.7 | 296.0 | 293.2 | 287.3 | 281.3 | 276.4 | 281.3 | 287.3 | 293.2 | 296.0 | 298.7 |
| 80° | 242.9 | 241.7 | 240.6 | 232.6 | 224.5 | 215.2 | 224.5 | 232.6 | 240.6 | 241.7 | 242.9 |
| 82.5° | 181.3 | 180.8 | 180.3 | 173.5 | 166.7 | 160.8 | 166.7 | 173.5 | 180.3 | 180.8 | 181.3 |
| 85° | 115.2 | 114.3 | 113.5 | 108.2 | 102.9 | 97.6 | 102.9 | 108.2 | 113.5 | 114.3 | 115.2 |
| 87.5° | 49.9 | 48.9 | 47.8 | 45.1 | 42.4 | 39.8 | 42.4 | 45.1 | 47.8 | 48.9 | 49.9 |
| 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: P1201907
CATALOG NUMBER: GWC-SB1C-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 |
| 2.5° | 1010.2 | 1014.2 | 1019.2 | 1024.1 | 1030.4 | 1036.7 | 1043.1 | 1049.4 | 1056.6 | 1063.8 | 1071.8 |
| 5° | 950.5 | 956.0 | 963.9 | 971.7 | 981.9 | 992.1 | 1003.3 | 1014.6 | 1027.2 | 1040.0 | 1055.2 |
| 7.5° | 914.7 | 921.3 | 930.6 | 939.9 | 952.3 | 964.8 | 979.0 | 993.1 | 1009.8 | 1026.6 | 1046.7 |
| 10° | 904.4 | 911.7 | 922.9 | 934.0 | 948.1 | 962.1 | 977.3 | 992.5 | 1009.3 | 1026.0 | 1047.3 |
| 12.5° | 922.9 | 932.4 | 946.6 | 960.8 | 975.3 | 989.8 | 1001.7 | 1013.7 | 1024.8 | 1035.9 | 1053.2 |
| 15° | 961.9 | 976.2 | 996.5 | 1016.7 | 1029.3 | 1041.9 | 1045.0 | 1048.1 | 1046.6 | 1045.1 | 1053.4 |
| 17.5° | 1001.4 | 1022.5 | 1049.4 | 1076.2 | 1086.3 | 1096.5 | 1086.8 | 1077.1 | 1058.9 | 1040.6 | 1037.6 |
| 20° | 1026.0 | 1051.9 | 1082.6 | 1113.3 | 1118.0 | 1122.7 | 1102.4 | 1082.1 | 1050.3 | 1018.6 | 1004.4 |
| 22.5° | 1027.6 | 1054.2 | 1083.5 | 1112.8 | 1110.0 | 1107.2 | 1080.8 | 1054.3 | 1018.1 | 981.9 | 960.8 |
| 25° | 1004.3 | 1028.0 | 1051.9 | 1076.0 | 1066.3 | 1056.6 | 1030.6 | 1004.6 | 972.0 | 939.5 | 915.2 |
| 27.5° | 959.3 | 977.7 | 994.8 | 1011.9 | 1001.1 | 990.3 | 969.4 | 948.6 | 921.8 | 895.1 | 871.6 |
| 30° | 905.3 | 918.4 | 931.5 | 944.5 | 935.7 | 926.9 | 909.6 | 892.3 | 870.1 | 847.9 | 829.2 |
| 32.5° | 853.5 | 864.0 | 876.0 | 888.0 | 878.2 | 868.4 | 851.8 | 835.2 | 817.4 | 799.7 | 788.7 |
| 35° | 809.3 | 819.0 | 827.5 | 836.0 | 824.3 | 812.6 | 796.1 | 779.7 | 766.2 | 752.7 | 749.7 |
| 37.5° | 771.7 | 780.6 | 784.6 | 788.5 | 774.0 | 759.5 | 743.1 | 726.7 | 717.1 | 707.4 | 710.7 |
| 40° | 736.5 | 744.1 | 743.2 | 742.2 | 725.5 | 708.9 | 693.0 | 677.2 | 670.2 | 663.2 | 670.8 |
| 42.5° | 701.1 | 707.5 | 702.7 | 697.9 | 679.8 | 661.8 | 646.8 | 631.8 | 626.1 | 620.4 | 630.4 |
| 45° | 666.7 | 672.5 | 665.6 | 658.7 | 640.0 | 621.3 | 607.1 | 592.9 | 588.0 | 583.2 | 593.0 |
| 47.5° | 638.3 | 642.4 | 634.4 | 626.5 | 608.0 | 589.6 | 575.7 | 561.8 | 557.3 | 552.8 | 561.0 |
| 50° | 618.6 | 618.8 | 608.6 | 598.4 | 581.9 | 565.4 | 552.3 | 539.1 | 532.1 | 525.0 | 532.3 |
| 52.5° | 605.5 | 603.3 | 591.2 | 579.1 | 563.7 | 548.4 | 536.3 | 524.3 | 513.7 | 503.1 | 510.3 |
| 55° | 594.6 | 591.6 | 578.8 | 565.9 | 552.5 | 539.0 | 526.0 | 513.1 | 498.1 | 483.0 | 494.4 |
| 57.5° | 584.0 | 580.9 | 568.0 | 555.1 | 541.7 | 528.4 | 513.1 | 497.9 | 481.7 | 465.6 | 482.2 |
| 60° | 568.9 | 565.5 | 552.5 | 539.6 | 526.0 | 512.5 | 495.0 | 477.5 | 463.3 | 449.1 | 470.6 |
| 62.5° | 545.4 | 542.2 | 530.3 | 518.4 | 504.0 | 489.5 | 469.1 | 448.7 | 439.7 | 430.7 | 457.5 |
| 65° | *513.6* | *510.2* | *499.8* | *489.3* | *475.5* | *461.7* | *439.8* | *417.9* | *414.5* | *411.0* | *439.6* |
| 67.5° | 477.3 | 474.1 | 465.1 | 456.0 | 443.0 | 429.8 | 409.6 | 389.4 | 390.5 | 391.6 | 415.4 |
| 70° | 438.6 | 435.5 | 427.3 | 419.2 | 407.9 | 396.6 | 378.8 | 361.0 | 364.8 | 368.6 | 385.5 |
| 72.5° | 395.3 | 391.6 | 383.6 | 375.6 | 365.4 | 355.2 | 341.2 | 327.3 | 332.7 | 338.3 | 349.9 |
| 75° | 344.2 | 340.4 | 333.1 | 325.8 | 316.5 | 307.3 | 296.9 | 286.5 | 291.8 | 297.1 | 306.1 |
| 77.5° | 295.1 | 291.5 | 283.8 | 276.2 | 268.2 | 260.3 | 251.8 | 243.4 | 248.7 | 254.1 | 261.3 |
| 80° | 238.1 | 233.3 | 227.5 | 221.7 | 215.0 | 208.3 | 201.3 | 194.3 | 198.8 | 203.3 | 209.3 |
| 82.5° | 173.2 | 165.1 | 152.7 | 140.3 | 142.6 | 145.0 | 145.6 | 146.1 | 149.3 | 152.5 | 155.4 |
| 85° | 105.1 | 95.1 | 83.4 | 71.8 | 78.3 | 84.8 | 87.9 | 90.9 | 94.4 | 98.0 | 101.1 |
| 87.5° | 45.9 | 41.8 | 36.9 | 32.0 | 37.0 | 42.0 | 42.1 | 42.2 | 42.9 | 43.6 | 44.8 |
| 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: P1201907
CATALOG NUMBER: GWC-SB1C-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 |
| 2.5° | 1079.9 | 1089.8 | 1098.7 | 1107.9 | 1117.1 | 1126.8 | 1136.4 | 1146.0 | 1155.5 | 1164.5 | 1173.6 |
| 5° | 1070.3 | 1087.7 | 1105.3 | 1123.9 | 1142.6 | 1162.5 | 1182.5 | 1202.3 | 1222.1 | 1242.0 | 1261.9 |
| 7.5° | 1066.9 | 1089.4 | 1113.4 | 1139.4 | 1165.4 | 1194.9 | 1224.4 | 1254.7 | 1285.1 | 1317.9 | 1350.7 |
| 10° | 1068.6 | 1092.7 | 1122.3 | 1153.2 | 1183.9 | 1219.8 | 1255.6 | 1295.7 | 1335.7 | 1377.2 | 1418.7 |
| 12.5° | 1070.7 | 1093.2 | 1124.3 | 1159.1 | 1193.9 | 1236.2 | 1278.5 | 1323.8 | 1369.2 | 1414.8 | 1460.4 |
| 15° | 1061.7 | 1079.8 | 1114.2 | 1154.5 | 1194.8 | 1243.5 | 1292.2 | 1341.4 | 1390.7 | 1438.2 | 1485.7 |
| 17.5° | 1034.5 | 1045.6 | 1086.2 | 1134.6 | 1183.1 | 1239.6 | 1296.1 | 1349.8 | 1403.6 | 1451.8 | 1500.0 |
| 20° | 990.1 | 993.1 | 1040.3 | 1100.3 | 1160.4 | 1228.9 | 1297.4 | 1356.4 | 1415.5 | 1465.6 | 1515.7 |
| 22.5° | 939.8 | 934.0 | 987.8 | 1060.1 | 1132.4 | 1215.7 | 1299.1 | 1365.3 | 1431.5 | 1482.7 | 1533.9 |
| 25° | 890.9 | 875.4 | 930.5 | 1015.1 | 1099.9 | 1202.7 | 1305.7 | 1381.4 | 1457.0 | 1507.2 | 1557.3 |
| 27.5° | 848.2 | 829.3 | 879.5 | 974.1 | 1068.7 | 1194.1 | 1319.5 | 1406.5 | 1493.5 | 1541.3 | 1589.2 |
| 30° | 810.6 | 795.8 | 837.9 | 939.7 | 1041.5 | 1190.0 | 1338.4 | 1439.0 | 1539.7 | 1585.9 | 1632.1 |
| 32.5° | 777.7 | 771.1 | 805.1 | 910.1 | 1015.1 | 1185.0 | 1354.7 | 1473.0 | 1591.3 | 1637.0 | 1682.8 |
| 35° | 746.6 | 749.4 | 777.6 | 881.0 | 984.4 | 1175.5 | 1366.7 | 1511.7 | 1656.7 | 1700.5 | 1744.3 |
| 37.5° | 714.1 | 724.0 | 748.7 | 846.8 | 944.8 | 1159.3 | 1373.8 | 1555.0 | 1736.2 | 1792.1 | 1848.0 |
| 40° | 678.4 | 693.7 | 716.1 | 805.9 | 895.7 | 1137.0 | 1378.3 | 1610.1 | 1841.8 | 1923.2 | 2004.6 |
| 42.5° | 640.5 | 659.7 | 680.4 | 760.8 | 841.2 | 1114.0 | 1386.8 | 1682.0 | 1977.3 | 2094.8 | 2212.3 |
| 45° | 602.8 | 621.4 | 642.4 | 712.9 | 783.4 | 1092.6 | 1401.8 | 1776.8 | 2151.8 | 2310.3 | 2468.8 |
| 47.5° | 569.2 | 585.2 | 612.2 | 675.0 | 737.8 | 1074.9 | 1412.0 | 1877.7 | 2343.3 | 2566.4 | 2789.5 |
| 50° | 539.6 | 558.2 | 593.7 | 649.8 | 705.9 | 1055.6 | 1405.3 | 1971.3 | 2537.3 | 2873.6 | 3209.9 |
| 52.5° | 517.5 | 543.5 | 584.4 | 633.2 | 682.1 | 1023.1 | 1364.1 | 2032.1 | 2700.1 | 3196.3 | 3692.6 |
| 55° | 505.8 | 545.0 | 583.0 | 621.2 | 659.5 | 969.2 | 1278.9 | 2018.7 | 2758.5 | 3482.4 | 4206.4 |
| 57.5° | 498.7 | 546.5 | 580.0 | 607.0 | 634.0 | 893.1 | 1152.2 | 1924.4 | 2696.7 | 3685.2 | 4673.7 |
| 60° | 492.1 | 541.9 | 564.0 | 585.2 | 606.4 | 794.4 | 982.3 | 1748.9 | 2515.5 | 3735.9 | 4956.1 |
| 62.5° | 484.4 | 530.6 | 533.3 | 547.4 | 561.5 | 676.2 | 790.9 | 1511.6 | 2232.3 | 3522.5 | 4812.7 |
| 65° | *468.2* | *503.3* | *503.0* | *509.7* | *516.3* | *569.9* | *623.4* | *1269.5* | *1915.6* | *3220.6* | *4525.7* |
| 67.5° | 439.2 | 459.0 | 459.9 | 456.2 | 452.5 | 467.7 | 482.9 | 1032.3 | 1581.7 | 2861.4 | 4141.0 |
| 70° | 402.4 | 408.9 | 408.9 | 391.7 | 374.4 | 370.1 | 365.8 | 812.8 | 1259.8 | 2469.4 | 3678.9 |
| 72.5° | 361.5 | 361.4 | 357.3 | 332.9 | 308.4 | 295.3 | 282.2 | 621.4 | 960.6 | 2044.4 | 3128.3 |
| 75° | 315.0 | 316.6 | 297.6 | 270.3 | 242.9 | 231.0 | 219.1 | 451.0 | 682.9 | 1557.3 | 2431.7 |
| 77.5° | 268.4 | 269.3 | 238.1 | 211.5 | 184.9 | 176.8 | 168.7 | 305.6 | 442.5 | 1090.0 | 1737.4 |
| 80° | 215.3 | 215.4 | 178.2 | 155.7 | 133.2 | 129.8 | 126.5 | 196.9 | 267.4 | 702.2 | 1137.1 |
| 82.5° | 158.4 | 156.6 | 124.8 | 108.2 | 91.6 | 91.0 | 90.4 | 121.1 | 151.9 | 406.4 | 661.0 |
| 85° | 104.3 | 102.0 | 78.3 | 66.2 | 54.0 | 54.4 | 54.6 | 64.7 | 74.9 | 182.8 | 290.8 |
| 87.5° | 46.1 | 43.1 | 33.3 | 28.3 | 23.4 | 23.7 | 24.0 | 26.8 | 29.7 | 59.9 | 90.0 |
| 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: P1201907
CATALOG NUMBER: GWC-SB1C-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | *1091.3* | 1091.3 | 1091.3 |
| 2.5° | 1178.0 | 1182.5 | 1188.8 | 1195.1 | 1198.9 | 1202.7 | 1204.5 | 1206.4 | *1205.6* | 1206.4 | 1204.5 |
| 5° | 1277.4 | 1293.0 | 1308.4 | 1323.9 | 1332.3 | 1340.6 | 1345.7 | 1350.8 | *1354.7* | 1350.8 | 1345.7 |
| 7.5° | 1376.0 | 1401.2 | 1424.0 | 1446.7 | 1460.4 | 1474.1 | 1481.5 | 1488.9 | *1492.4* | 1488.9 | 1481.5 |
| 10° | 1448.6 | 1478.5 | 1505.2 | 1531.9 | 1548.0 | 1564.1 | 1571.3 | 1578.5 | *1581.2* | 1578.5 | 1571.3 |
| 12.5° | 1492.8 | 1525.2 | 1549.3 | 1573.3 | 1585.1 | 1596.8 | 1600.7 | 1604.7 | *1605.1* | 1604.7 | 1600.7 |
| 15° | 1513.7 | 1541.6 | 1556.8 | 1571.9 | 1572.3 | 1572.7 | 1568.6 | 1564.4 | *1559.4* | 1564.4 | 1568.6 |
| 17.5° | 1518.9 | 1537.7 | 1538.0 | 1538.3 | 1521.3 | 1504.4 | 1488.8 | 1473.3 | *1462.3* | 1473.3 | 1488.8 |
| 20° | 1522.2 | 1528.9 | 1509.0 | 1489.1 | 1451.6 | 1414.2 | 1386.9 | 1359.7 | *1342.9* | 1359.7 | 1386.9 |
| 22.5° | 1525.3 | 1516.6 | 1475.4 | 1434.2 | 1379.2 | 1324.1 | 1290.0 | 1255.9 | *1237.4* | 1255.9 | 1290.0 |
| 25° | 1530.1 | 1502.9 | 1440.3 | 1377.8 | 1310.9 | 1244.0 | 1208.2 | 1172.4 | *1154.9* | 1172.4 | 1208.2 |
| 27.5° | 1540.5 | 1491.8 | 1408.9 | 1326.1 | 1252.0 | 1177.9 | 1142.6 | 1107.4 | *1090.8* | 1107.4 | 1142.6 |
| 30° | 1559.5 | 1487.0 | 1385.0 | 1283.0 | 1205.8 | 1128.5 | 1095.8 | 1063.1 | *1047.7* | 1063.1 | 1095.8 |
| 32.5° | 1583.4 | 1484.1 | 1368.6 | 1253.2 | 1180.7 | 1108.1 | 1082.4 | 1056.7 | *1045.6* | 1056.7 | 1082.4 |
| 35° | 1622.7 | 1501.1 | 1380.9 | 1260.7 | 1210.2 | 1159.9 | 1153.9 | 1147.9 | *1147.0* | 1147.9 | 1153.9 |
| 37.5° | 1704.9 | 1561.9 | 1452.6 | 1343.3 | 1340.0 | 1336.7 | 1364.1 | 1391.5 | *1405.8* | 1391.5 | 1364.1 |
| 40° | 1849.0 | 1693.4 | 1612.2 | 1530.9 | 1588.2 | 1645.6 | 1712.2 | 1778.8 | *1811.9* | 1778.8 | 1712.2 |
| 42.5° | 2057.9 | 1903.6 | 1856.7 | 1809.9 | 1935.1 | 2060.2 | 2181.3 | 2302.4 | *2373.5* | 2302.4 | 2181.3 |
| 45° | 2330.1 | 2191.4 | 2170.8 | 2150.1 | 2350.5 | 2551.0 | 2750.0 | 2949.1 | *3069.9* | 2949.1 | 2750.0 |
| 47.5° | 2654.6 | 2519.7 | 2515.5 | 2511.3 | 2800.5 | 3089.6 | 3381.0 | 3672.2 | *3843.3* | 3672.2 | 3381.0 |
| 50° | 3043.3 | 2876.7 | 2877.5 | 2878.2 | 3250.9 | 3623.5 | 4008.1 | 4392.6 | *4625.1* | 4392.6 | 4008.1 |
| 52.5° | 3490.8 | 3289.1 | 3268.7 | 3248.3 | 3693.4 | 4138.6 | 4614.4 | 5090.1 | *5368.8* | 5090.1 | 4614.4 |
| 55° | 4007.0 | 3807.7 | 3728.2 | 3648.7 | 4144.1 | 4639.6 | 5206.8 | 5774.0 | *6105.4* | 5774.0 | 5206.8 |
| 57.5° | 4565.2 | 4456.6 | 4297.1 | 4137.6 | 4637.9 | 5138.2 | 5780.6 | 6423.0 | *6834.0* | 6423.0 | 5780.6 |
| 60° | 5124.7 | 5293.4 | 5095.3 | 4897.2 | 5370.7 | 5844.1 | 6531.9 | 7219.8 | *7664.0* | 7219.8 | 6531.9 |
| 62.5° | 5273.4 | 5734.1 | 5711.7 | 5689.4 | 6123.1 | 6556.8 | 7211.2 | 7865.6 | *8276.2* | 7865.6 | 7211.2 |
| 65° | *4958.0* | *5390.4* | *5475.9* | *5561.4* | *6112.6* | *6663.8* | *7298.4* | *7932.9* | *8282.5* | *7932.9* | *7298.4* |
| 67.5° | 4552.3 | 4963.5 | 5003.6 | 5043.7 | 5617.9 | 6192.2 | 6829.5 | 7466.8 | *7740.6* | 7466.8 | 6829.5 |
| 70° | 4126.2 | 4573.5 | 4591.5 | 4609.4 | 5123.0 | 5636.5 | 6184.9 | 6733.3 | *6885.5* | 6733.3 | 6184.9 |
| 72.5° | 3641.6 | 4154.9 | 4167.8 | 4180.6 | 4582.4 | 4984.2 | 5395.0 | 5805.7 | *5821.1* | 5805.7 | 5395.0 |
| 75° | 2962.9 | 3494.2 | 3541.8 | 3589.5 | 3902.1 | 4214.7 | 4503.9 | 4793.0 | *4715.6* | 4793.0 | 4503.9 |
| 77.5° | 2233.3 | 2729.2 | 2797.5 | 2865.7 | 3103.4 | 3341.0 | 3546.1 | 3751.2 | *3618.0* | 3751.2 | 3546.1 |
| 80° | 1554.3 | 1971.5 | 2056.3 | 2141.2 | 2320.6 | 2500.0 | 2607.7 | 2715.4 | *2501.2* | 2715.4 | 2607.7 |
| 82.5° | 946.2 | 1231.5 | 1326.2 | 1421.0 | 1544.6 | 1668.1 | 1713.0 | 1757.9 | *1589.6* | 1757.9 | 1713.0 |
| 85° | 442.2 | 593.6 | 674.2 | 754.8 | 856.3 | 957.8 | 983.3 | 1008.8 | *873.9* | 1008.8 | 983.3 |
| 87.5° | 140.9 | 191.8 | 236.8 | 281.7 | 332.5 | 383.2 | 385.4 | 387.6 | *325.4* | 387.6 | 385.4 |
| 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: P1201907
CATALOG NUMBER: GWC-SB1C-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 | 1091.3 |
| 2.5° | 1202.7 | 1198.9 | 1195.1 | 1188.8 | 1182.5 | 1178.0 | 1173.6 |
| 5° | 1340.6 | 1332.3 | 1323.9 | 1308.4 | 1293.0 | 1277.4 | 1261.9 |
| 7.5° | 1474.1 | 1460.4 | 1446.7 | 1424.0 | 1401.2 | 1376.0 | 1350.7 |
| 10° | 1564.1 | 1548.0 | 1531.9 | 1505.2 | 1478.5 | 1448.6 | 1418.7 |
| 12.5° | 1596.8 | 1585.1 | 1573.3 | 1549.3 | 1525.2 | 1492.8 | 1460.4 |
| 15° | 1572.7 | 1572.3 | 1571.9 | 1556.8 | 1541.6 | 1513.7 | 1485.7 |
| 17.5° | 1504.4 | 1521.3 | 1538.3 | 1538.0 | 1537.7 | 1518.9 | 1500.0 |
| 20° | 1414.2 | 1451.6 | 1489.1 | 1509.0 | 1528.9 | 1522.2 | 1515.7 |
| 22.5° | 1324.1 | 1379.2 | 1434.2 | 1475.4 | 1516.6 | 1525.3 | 1533.9 |
| 25° | 1244.0 | 1310.9 | 1377.8 | 1440.3 | 1502.9 | 1530.1 | 1557.3 |
| 27.5° | 1177.9 | 1252.0 | 1326.1 | 1408.9 | 1491.8 | 1540.5 | 1589.2 |
| 30° | 1128.5 | 1205.8 | 1283.0 | 1385.0 | 1487.0 | 1559.5 | 1632.1 |
| 32.5° | 1108.1 | 1180.7 | 1253.2 | 1368.6 | 1484.1 | 1583.4 | 1682.8 |
| 35° | 1159.9 | 1210.2 | 1260.7 | 1380.9 | 1501.1 | 1622.7 | 1744.3 |
| 37.5° | 1336.7 | 1340.0 | 1343.3 | 1452.6 | 1561.9 | 1704.9 | 1848.0 |
| 40° | 1645.6 | 1588.2 | 1530.9 | 1612.2 | 1693.4 | 1849.0 | 2004.6 |
| 42.5° | 2060.2 | 1935.1 | 1809.9 | 1856.7 | 1903.6 | 2057.9 | 2212.3 |
| 45° | 2551.0 | 2350.5 | 2150.1 | 2170.8 | 2191.4 | 2330.1 | 2468.8 |
| 47.5° | 3089.6 | 2800.5 | 2511.3 | 2515.5 | 2519.7 | 2654.6 | 2789.5 |
| 50° | 3623.5 | 3250.9 | 2878.2 | 2877.5 | 2876.7 | 3043.3 | 3209.9 |
| 52.5° | 4138.6 | 3693.4 | 3248.3 | 3268.7 | 3289.1 | 3490.8 | 3692.6 |
| 55° | 4639.6 | 4144.1 | 3648.7 | 3728.2 | 3807.7 | 4007.0 | 4206.4 |
| 57.5° | 5138.2 | 4637.9 | 4137.6 | 4297.1 | 4456.6 | 4565.2 | 4673.7 |
| 60° | 5844.1 | 5370.7 | 4897.2 | 5095.3 | 5293.4 | 5124.7 | 4956.1 |
| 62.5° | 6556.8 | 6123.1 | 5689.4 | 5711.7 | 5734.1 | 5273.4 | 4812.7 |
| 65° | *6663.8* | *6112.6* | *5561.4* | *5475.9* | *5390.4* | *4958.0* | *4525.7* |
| 67.5° | 6192.2 | 5617.9 | 5043.7 | 5003.6 | 4963.5 | 4552.3 | 4141.0 |
| 70° | 5636.5 | 5123.0 | 4609.4 | 4591.5 | 4573.5 | 4126.2 | 3678.9 |
| 72.5° | 4984.2 | 4582.4 | 4180.6 | 4167.8 | 4154.9 | 3641.6 | 3128.3 |
| 75° | 4214.7 | 3902.1 | 3589.5 | 3541.8 | 3494.2 | 2962.9 | 2431.7 |
| 77.5° | 3341.0 | 3103.4 | 2865.7 | 2797.5 | 2729.2 | 2233.3 | 1737.4 |
| 80° | 2500.0 | 2320.6 | 2141.2 | 2056.3 | 1971.5 | 1554.3 | 1137.1 |
| 82.5° | 1668.1 | 1544.6 | 1421.0 | 1326.2 | 1231.5 | 946.2 | 661.0 |
| 85° | 957.8 | 856.3 | 754.8 | 674.2 | 593.6 | 442.2 | 290.8 |
| 87.5° | 383.2 | 332.5 | 281.7 | 236.8 | 191.8 | 140.9 | 90.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


HS
SS

0

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

# LM-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-3-R4

Test Date: 10/02/2019

Luminaire Tested: SA1C-740-U-5WQ

Data in this report applies to families of products SA1C-740-U-5WQ

Data valid for all products using SA and SB light squares

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.13

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

## Test Information

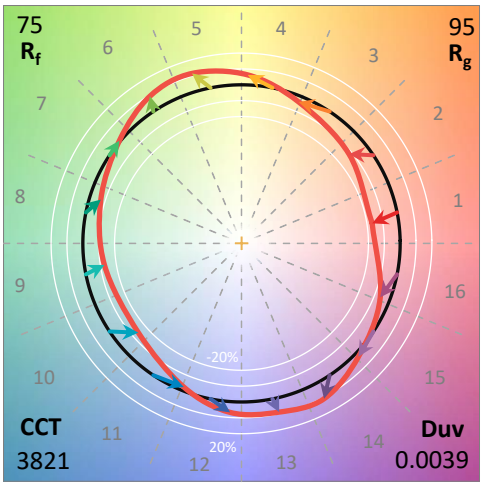
| | |
|---|---|
| Test Method: | LM-79-2008 |
| Report Number: | SP1-1908-441-3-R4 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 11/05/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | **SA1C-740-U-5WQ** |
| Description: | McGRAW EDISON ROADWAY AND AREA LUMINAIRE |

***THIS IS A REVISION OF SP1-1908-441-3-R3. TO UPDATE THE CATALOG INFORMATION.***TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 4000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 3821 | CRI (Ra): | 72.3 | | |
| CIE u': | 0.2264 | R1: | 68.5 | R9: | -33.5 |
| CIE v': | 0.5098 | R2: | 78.5 | R10: | 50.8 |
| Duv: | 0.0039 | R3: | 88.2 | R11: | 69.2 |
| CIE x: | 0.3918 | R4: | 72.2 | R12: | 48.9 |
| CIE y: | 0.3921 | R5: | 69.0 | R13: | 69.8 |
| CIE z: | 0.2161 | R6: | 71.0 | R14: | 93.4 |
| Peak Wavelength (nm): | 585 | R7: | 80.4 | | |
| Dominant Wavelength (nm): | 577 | R8: | 50.4 | | |
| Purity: | 35.4 | | | | |

| | |
|---|---|
| Rf: | 75.5 |
| Rg: | 94.8 |




## Test Conditions

| | |
|---|---|
| Stabilization Time: | 67M |
| Operation Time: | 12H |
| Room Temperature (°C) / RH%: | 25.0./44% |
| Sphere Temperature (°C): | 25.7 |

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

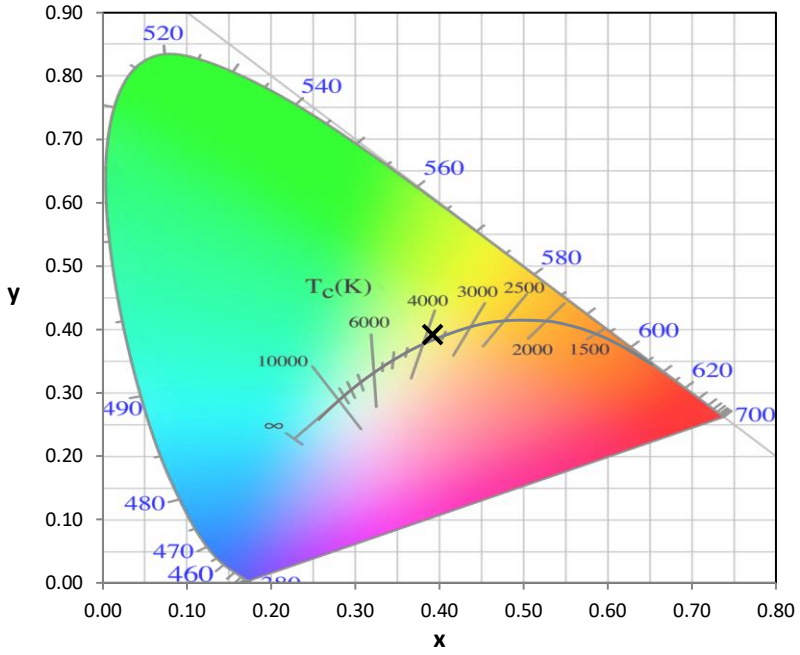
REPORT NUMBER: SP1-1908-441-3-R4

| 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 |

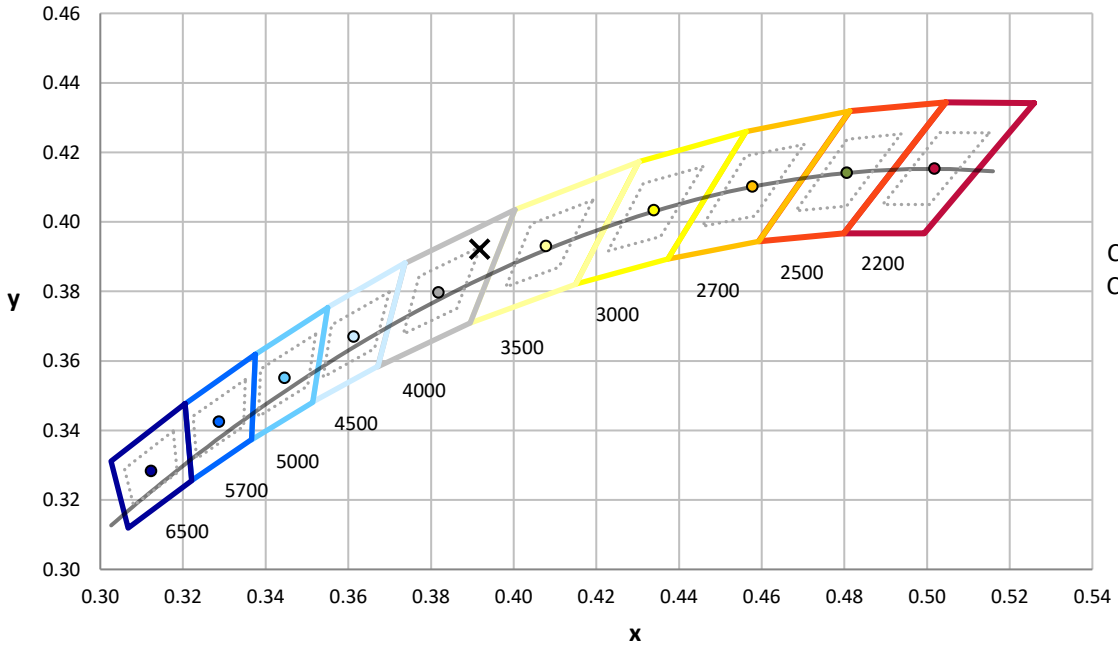
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-1908-441-3-R4

## CIE 1931 Chromaticity Diagram




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



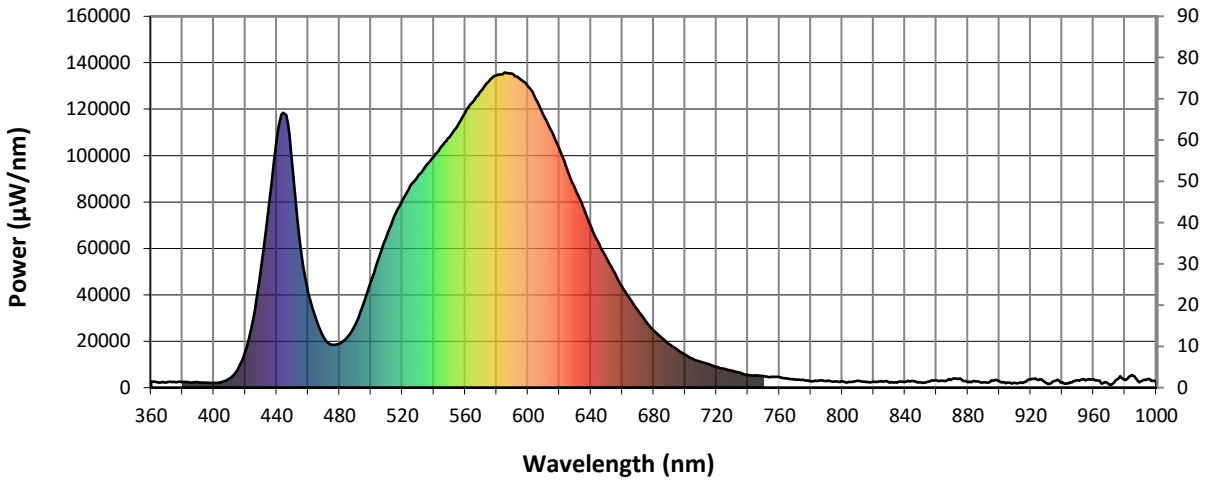

CCT = 3821K
CIE x = 0.3918
CIE y = 0.3921
Duv = 0.0039

Point lies inside the ANSI 4000K 7-step quadrangle

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

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## Photopic Flux vs. Wavelength



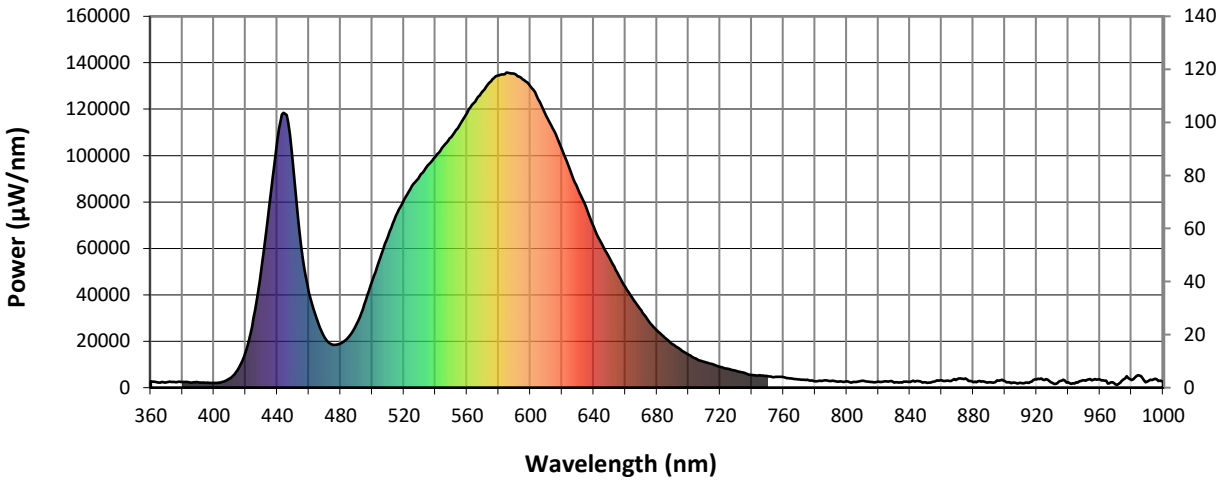

######

| 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 | 2662 | NR | 490 | 27227 | NR | 620 | 102725 | NR | 750 | 4998 | NR | 880 | 2294 | NR |
| 365 | 2227 | NR | 495 | 35672 | NR | 625 | 94018 | NR | 755 | 4638 | NR | 885 | 2526 | NR |
| 370 | 2351 | NR | 500 | 45857 | NR | 630 | 85530 | NR | 760 | 4579 | NR | 890 | 2275 | NR |
| 375 | 2487 | NR | 505 | 55772 | NR | 635 | 77990 | NR | 765 | 3952 | NR | 895 | 3151 | NR |
| 380 | 2507 | NR | 510 | 65358 | NR | 640 | 69405 | NR | 770 | 3495 | NR | 900 | 2915 | NR |
| 385 | 2244 | NR | 515 | 73945 | NR | 645 | 62112 | NR | 775 | 3353 | NR | 905 | 2197 | NR |
| 390 | 2299 | NR | 520 | 80747 | NR | 650 | 55830 | NR | 780 | 2778 | NR | 910 | 2048 | NR |
| 395 | 2056 | NR | 525 | 86794 | NR | 655 | 49542 | NR | 785 | 2954 | NR | 915 | 2045 | NR |
| 400 | 2025 | NR | 530 | 91185 | NR | 660 | 43371 | NR | 790 | 2859 | NR | 920 | 3527 | NR |
| 405 | 2414 | NR | 535 | 95640 | NR | 665 | 38089 | NR | 795 | 2638 | NR | 925 | 3296 | NR |
| 410 | 3944 | NR | 540 | 99533 | NR | 670 | 33284 | NR | 800 | 2710 | NR | 930 | 2096 | NR |
| 415 | 7705 | NR | 545 | 104097 | NR | 675 | 28574 | NR | 805 | 2390 | NR | 935 | 2810 | NR |
| 420 | 15513 | NR | 550 | 107982 | NR | 680 | 24590 | NR | 810 | 2947 | NR | 940 | 2304 | NR |
| 425 | 29927 | NR | 555 | 112790 | NR | 685 | 21480 | NR | 815 | 2387 | NR | 945 | 2250 | NR |
| 430 | 51389 | NR | 560 | 118428 | NR | 690 | 18698 | NR | 820 | 2557 | NR | 950 | 3082 | NR |
| 435 | 78905 | NR | 565 | 123208 | NR | 695 | 16372 | NR | 825 | 2693 | NR | 955 | 3173 | NR |
| 440 | 106921 | NR | 570 | 127740 | NR | 700 | 14200 | NR | 830 | 2208 | NR | 960 | 3569 | NR |
| 445 | 118008 | NR | 575 | 131879 | NR | 705 | 12325 | NR | 835 | 2160 | NR | 965 | 1744 | NR |
| 450 | 95722 | NR | 580 | 134489 | NR | 710 | 11122 | NR | 840 | 2493 | NR | 970 | 1283 | NR |
| 455 | 61053 | NR | 585 | 135793 | NR | 715 | 10157 | NR | 845 | 2809 | NR | 975 | 3622 | NR |
| 460 | 41109 | NR | 590 | 135243 | NR | 720 | 8957 | NR | 850 | 2287 | NR | 980 | 3346 | NR |
| 465 | 29591 | NR | 595 | 132928 | NR | 725 | 8084 | NR | 855 | 2564 | NR | 985 | 5229 | NR |
| 470 | 21545 | NR | 600 | 129738 | NR | 730 | 7241 | NR | 860 | 3166 | NR | 990 | 2613 | NR |
| 475 | 18425 | NR | 605 | 124239 | NR | 735 | 6387 | NR | 865 | 2867 | NR | 995 | 3838 | NR |
| 480 | 19056 | NR | 610 | 116984 | NR | 740 | 5430 | NR | 870 | 3742 | NR | 1000 | 2626 | NR |
| 485 | 21740 | NR | 615 | 110543 | NR | 745 | 5284 | NR | 875 | 3912 | NR | | | |

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

REPORT NUMBER: SP1-1908-441-3-R4

## Scotopic Flux vs. Wavelength



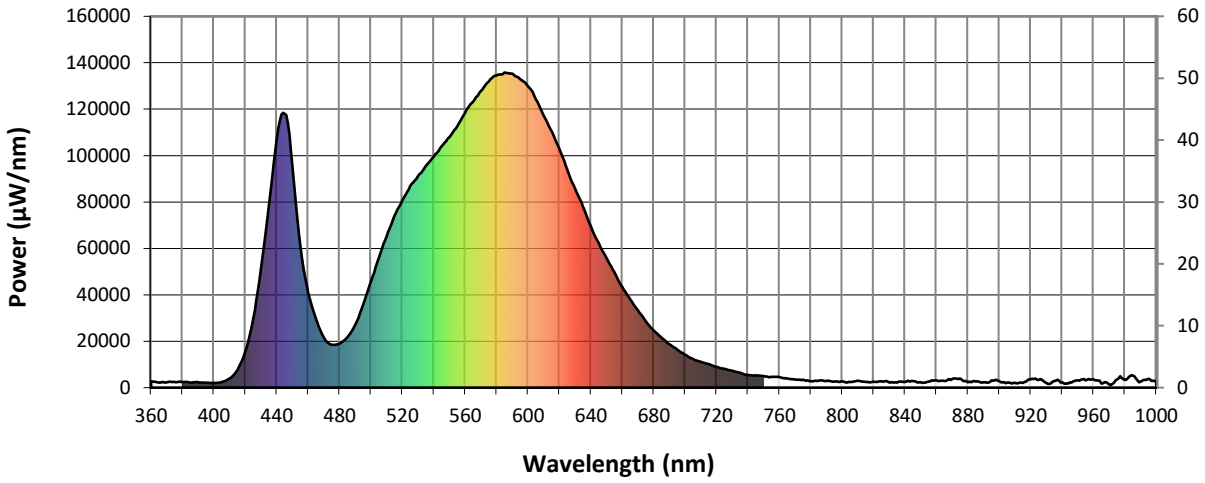

**Scotopic Lumens: 10930.8** **S/P: 1.47**

| 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 | 2662 | NR | 490 | 27227 | NR | 620 | 102725 | NR | 750 | 4998 | NR | 880 | 2294 | NR |
| 365 | 2227 | NR | 495 | 35672 | NR | 625 | 94018 | NR | 755 | 4638 | NR | 885 | 2526 | NR |
| 370 | 2351 | NR | 500 | 45857 | NR | 630 | 85530 | NR | 760 | 4579 | NR | 890 | 2275 | NR |
| 375 | 2487 | NR | 505 | 55772 | NR | 635 | 77990 | NR | 765 | 3952 | NR | 895 | 3151 | NR |
| 380 | 2507 | NR | 510 | 65358 | NR | 640 | 69405 | NR | 770 | 3495 | NR | 900 | 2915 | NR |
| 385 | 2244 | NR | 515 | 73945 | NR | 645 | 62112 | NR | 775 | 3353 | NR | 905 | 2197 | NR |
| 390 | 2299 | NR | 520 | 80747 | NR | 650 | 55830 | NR | 780 | 2778 | NR | 910 | 2048 | NR |
| 395 | 2056 | NR | 525 | 86794 | NR | 655 | 49542 | NR | 785 | 2954 | NR | 915 | 2045 | NR |
| 400 | 2025 | NR | 530 | 91185 | NR | 660 | 43371 | NR | 790 | 2859 | NR | 920 | 3527 | NR |
| 405 | 2414 | NR | 535 | 95640 | NR | 665 | 38089 | NR | 795 | 2638 | NR | 925 | 3296 | NR |
| 410 | 3944 | NR | 540 | 99533 | NR | 670 | 33284 | NR | 800 | 2710 | NR | 930 | 2096 | NR |
| 415 | 7705 | NR | 545 | 104097 | NR | 675 | 28574 | NR | 805 | 2390 | NR | 935 | 2810 | NR |
| 420 | 15513 | NR | 550 | 107982 | NR | 680 | 24590 | NR | 810 | 2947 | NR | 940 | 2304 | NR |
| 425 | 29927 | NR | 555 | 112790 | NR | 685 | 21480 | NR | 815 | 2387 | NR | 945 | 2250 | NR |
| 430 | 51389 | NR | 560 | 118428 | NR | 690 | 18698 | NR | 820 | 2557 | NR | 950 | 3082 | NR |
| 435 | 78905 | NR | 565 | 123208 | NR | 695 | 16372 | NR | 825 | 2693 | NR | 955 | 3173 | NR |
| 440 | 106921 | NR | 570 | 127740 | NR | 700 | 14200 | NR | 830 | 2208 | NR | 960 | 3569 | NR |
| 445 | 118008 | NR | 575 | 131879 | NR | 705 | 12325 | NR | 835 | 2160 | NR | 965 | 1744 | NR |
| 450 | 95722 | NR | 580 | 134489 | NR | 710 | 11122 | NR | 840 | 2493 | NR | 970 | 1283 | NR |
| 455 | 61053 | NR | 585 | 135793 | NR | 715 | 10157 | NR | 845 | 2809 | NR | 975 | 3622 | NR |
| 460 | 41109 | NR | 590 | 135243 | NR | 720 | 8957 | NR | 850 | 2287 | NR | 980 | 3346 | NR |
| 465 | 29591 | NR | 595 | 132928 | NR | 725 | 8084 | NR | 855 | 2564 | NR | 985 | 5229 | NR |
| 470 | 21545 | NR | 600 | 129738 | NR | 730 | 7241 | NR | 860 | 3166 | NR | 990 | 2613 | NR |
| 475 | 18425 | NR | 605 | 124239 | NR | 735 | 6387 | NR | 865 | 2867 | NR | 995 | 3838 | NR |
| 480 | 19056 | NR | 610 | 116984 | NR | 740 | 5430 | NR | 870 | 3742 | NR | 1000 | 2626 | NR |
| 485 | 21740 | NR | 615 | 110543 | NR | 745 | 5284 | NR | 875 | 3912 | NR | | | |

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

REPORT NUMBER: SP1-1908-441-3-R4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: 4115.9** **M/P: 0.55**

| 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 | 2662 | NR | 490 | 27227 | NR | 620 | 102725 | NR | 750 | 4998 | NR | 880 | 2294 | NR |
| 365 | 2227 | NR | 495 | 35672 | NR | 625 | 94018 | NR | 755 | 4638 | NR | 885 | 2526 | NR |
| 370 | 2351 | NR | 500 | 45857 | NR | 630 | 85530 | NR | 760 | 4579 | NR | 890 | 2275 | NR |
| 375 | 2487 | NR | 505 | 55772 | NR | 635 | 77990 | NR | 765 | 3952 | NR | 895 | 3151 | NR |
| 380 | 2507 | NR | 510 | 65358 | NR | 640 | 69405 | NR | 770 | 3495 | NR | 900 | 2915 | NR |
| 385 | 2244 | NR | 515 | 73945 | NR | 645 | 62112 | NR | 775 | 3353 | NR | 905 | 2197 | NR |
| 390 | 2299 | NR | 520 | 80747 | NR | 650 | 55830 | NR | 780 | 2778 | NR | 910 | 2048 | NR |
| 395 | 2056 | NR | 525 | 86794 | NR | 655 | 49542 | NR | 785 | 2954 | NR | 915 | 2045 | NR |
| 400 | 2025 | NR | 530 | 91185 | NR | 660 | 43371 | NR | 790 | 2859 | NR | 920 | 3527 | NR |
| 405 | 2414 | NR | 535 | 95640 | NR | 665 | 38089 | NR | 795 | 2638 | NR | 925 | 3296 | NR |
| 410 | 3944 | NR | 540 | 99533 | NR | 670 | 33284 | NR | 800 | 2710 | NR | 930 | 2096 | NR |
| 415 | 7705 | NR | 545 | 104097 | NR | 675 | 28574 | NR | 805 | 2390 | NR | 935 | 2810 | NR |
| 420 | 15513 | NR | 550 | 107982 | NR | 680 | 24590 | NR | 810 | 2947 | NR | 940 | 2304 | NR |
| 425 | 29927 | NR | 555 | 112790 | NR | 685 | 21480 | NR | 815 | 2387 | NR | 945 | 2250 | NR |
| 430 | 51389 | NR | 560 | 118428 | NR | 690 | 18698 | NR | 820 | 2557 | NR | 950 | 3082 | NR |
| 435 | 78905 | NR | 565 | 123208 | NR | 695 | 16372 | NR | 825 | 2693 | NR | 955 | 3173 | NR |
| 440 | 106921 | NR | 570 | 127740 | NR | 700 | 14200 | NR | 830 | 2208 | NR | 960 | 3569 | NR |
| 445 | 118008 | NR | 575 | 131879 | NR | 705 | 12325 | NR | 835 | 2160 | NR | 965 | 1744 | NR |
| 450 | 95722 | NR | 580 | 134489 | NR | 710 | 11122 | NR | 840 | 2493 | NR | 970 | 1283 | NR |
| 455 | 61053 | NR | 585 | 135793 | NR | 715 | 10157 | NR | 845 | 2809 | NR | 975 | 3622 | NR |
| 460 | 41109 | NR | 590 | 135243 | NR | 720 | 8957 | NR | 850 | 2287 | NR | 980 | 3346 | NR |
| 465 | 29591 | NR | 595 | 132928 | NR | 725 | 8084 | NR | 855 | 2564 | NR | 985 | 5229 | NR |
| 470 | 21545 | NR | 600 | 129738 | NR | 730 | 7241 | NR | 860 | 3166 | NR | 990 | 2613 | NR |
| 475 | 18425 | NR | 605 | 124239 | NR | 735 | 6387 | NR | 865 | 2867 | NR | 995 | 3838 | NR |
| 480 | 19056 | NR | 610 | 116984 | NR | 740 | 5430 | NR | 870 | 3742 | NR | 1000 | 2626 | NR |
| 485 | 21740 | NR | 615 | 110543 | NR | 745 | 5284 | NR | 875 | 3912 | NR | | | |

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

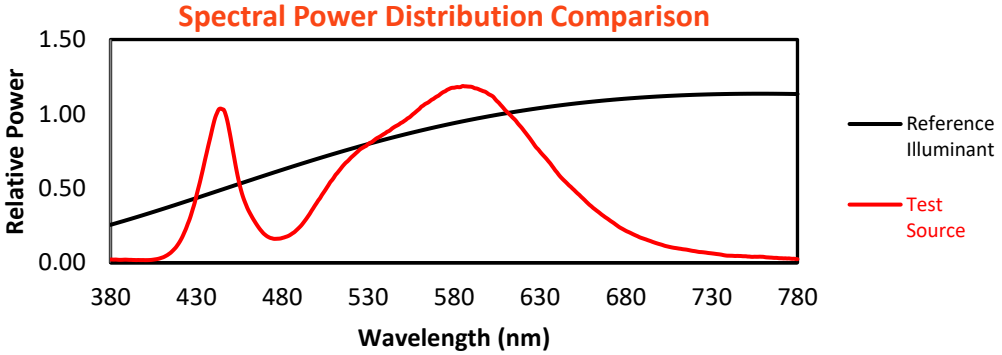
REPORT NUMBER: SP1-1908-441-3-R4

# TM-30-18

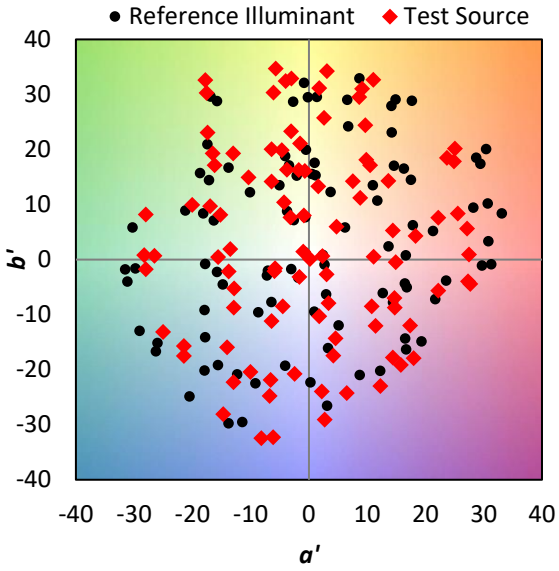
## Summary

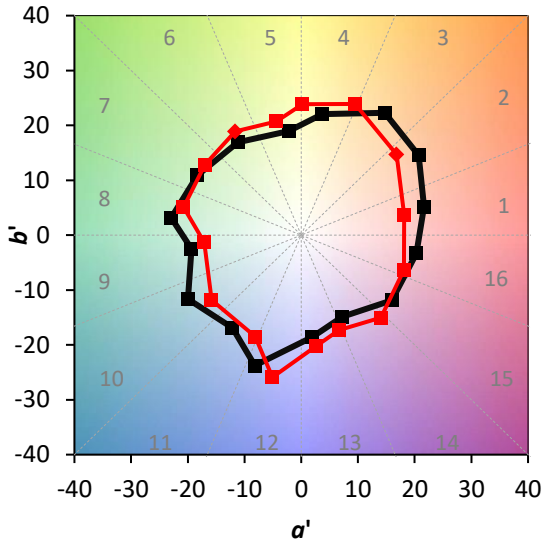
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$R_g$ = 94.8
CIE $R_a$ = 72.3
$R_9$ = -33.5

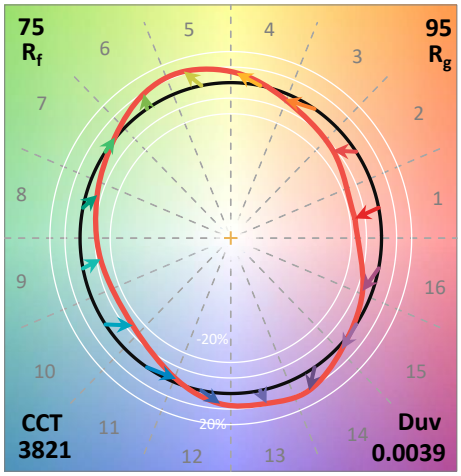
## Spectral Power Distribution Comparison

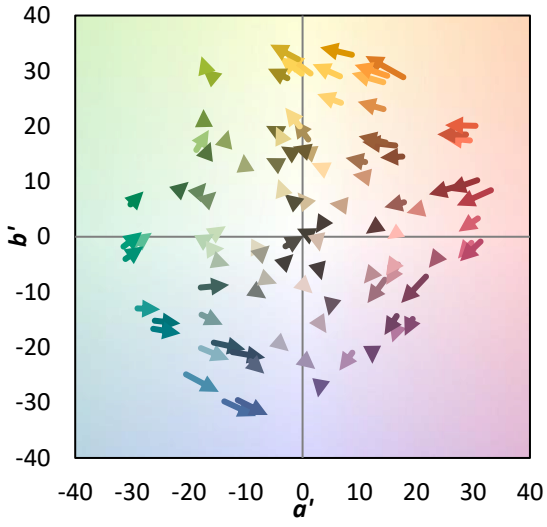



## Color Vector Graphics



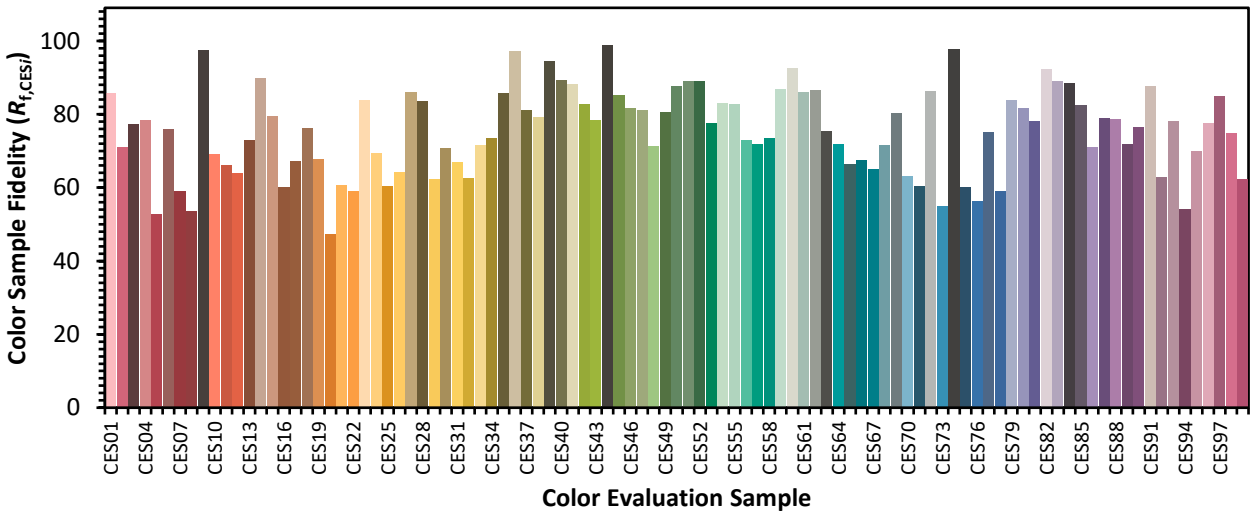
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Peachtree City, GA 30269

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

| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 64 | CES51 = 89 | CES76 = 56 |
| CES02 = 61 | CES27 = 86 | CES52 = 89 | CES77 = 75 |
| CES03 = 30 | CES28 = 83 | CES53 = 78 | CES78 = 59 |
| CES04 = 70 | CES29 = 62 | CES54 = 83 | CES79 = 84 |
| CES05 = 47 | CES30 = 71 | CES55 = 83 | CES80 = 82 |
| CES06 = 50 | CES31 = 67 | CES56 = 73 | CES81 = 78 |
| CES07 = 40 | CES32 = 63 | CES57 = 72 | CES82 = 92 |
| CES08 = 39 | CES33 = 72 | CES58 = 73 | CES83 = 89 |
| CES09 = 29 | CES34 = 73 | CES59 = 87 | CES84 = 89 |
| CES10 = 74 | CES35 = 86 | CES60 = 92 | CES85 = 83 |
| CES11 = 57 | CES36 = 97 | CES61 = 86 | CES86 = 71 |
| CES12 = 63 | CES37 = 81 | CES62 = 87 | CES87 = 79 |
| CES13 = 42 | CES38 = 79 | CES63 = 75 | CES88 = 79 |
| CES14 = 74 | CES39 = 94 | CES64 = 72 | CES89 = 72 |
| CES15 = 71 | CES40 = 89 | CES65 = 66 | CES90 = 77 |
| CES16 = 46 | CES41 = 88 | CES66 = 67 | CES91 = 88 |
| CES17 = 49 | CES42 = 83 | CES67 = 65 | CES92 = 63 |
| CES18 = 56 | CES43 = 78 | CES68 = 71 | CES93 = 78 |
| CES19 = 72 | CES44 = 99 | CES69 = 80 | CES94 = 54 |
| CES20 = 65 | CES45 = 85 | CES70 = 63 | CES95 = 70 |
| CES21 = 86 | CES46 = 82 | CES71 = 60 | CES96 = 78 |
| CES22 = 78 | CES47 = 81 | CES72 = 86 | CES97 = 85 |
| CES23 = 92 | CES48 = 71 | CES73 = 55 | CES98 = 75 |
| CES24 = 91 | CES49 = 81 | CES74 = 98 | CES99 = 62 |
| CES25 = 72 | CES50 = 88 | CES75 = 60 | |

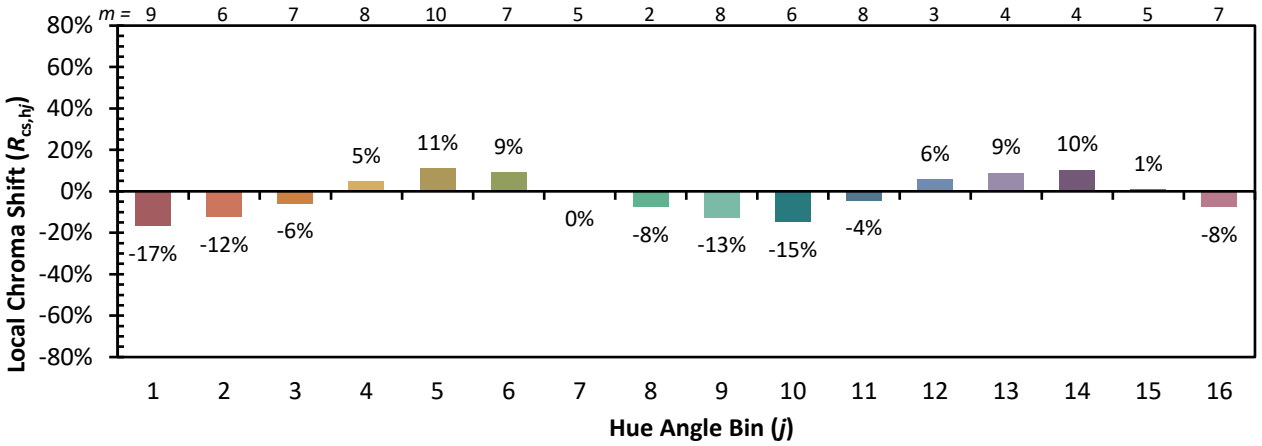


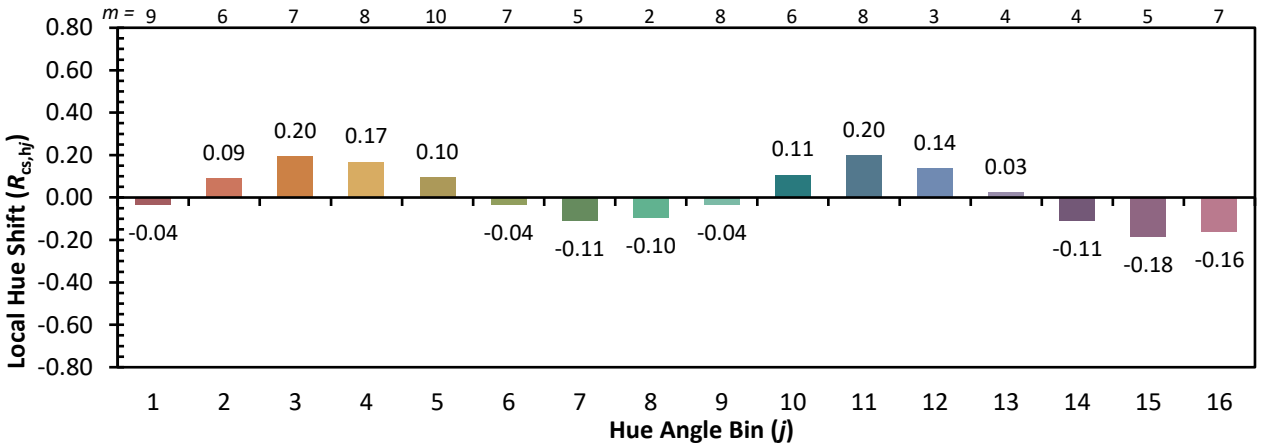
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Peachtree City, GA 30269

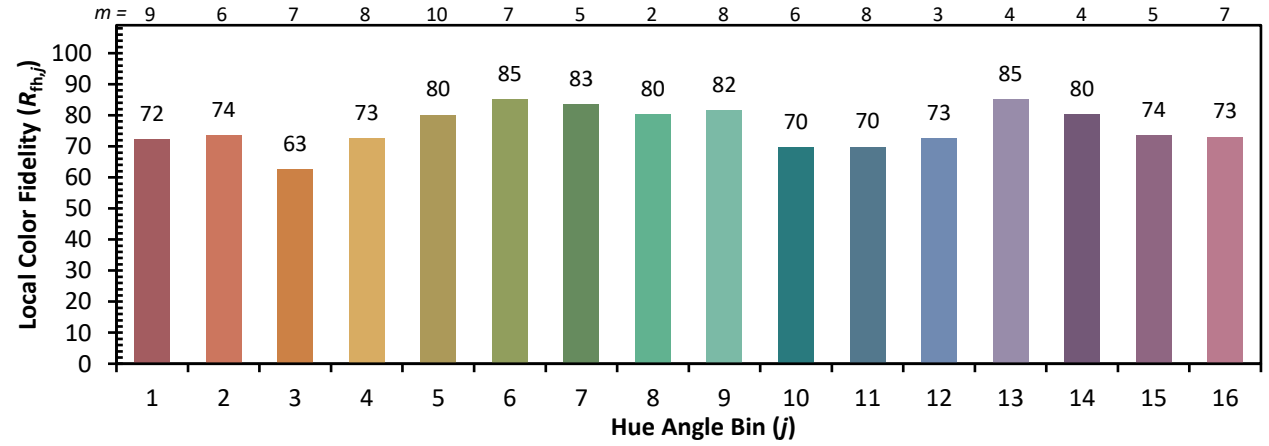
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## Color Rendition by Hue-Angle Bin



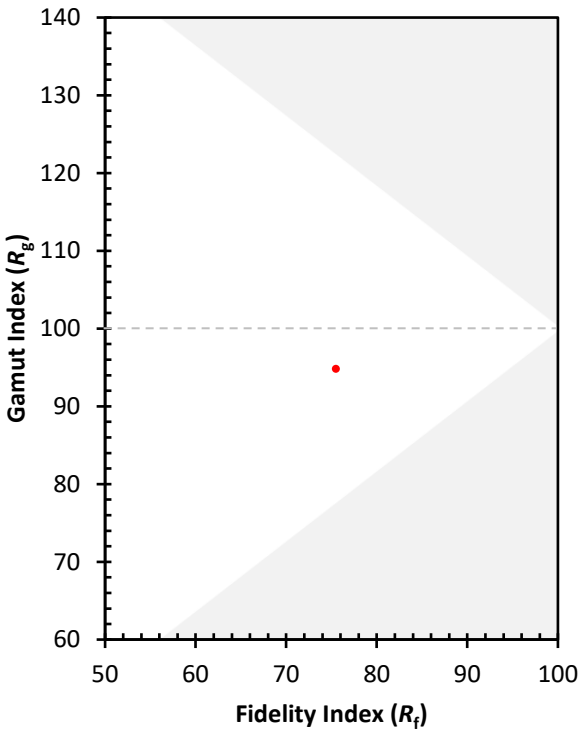



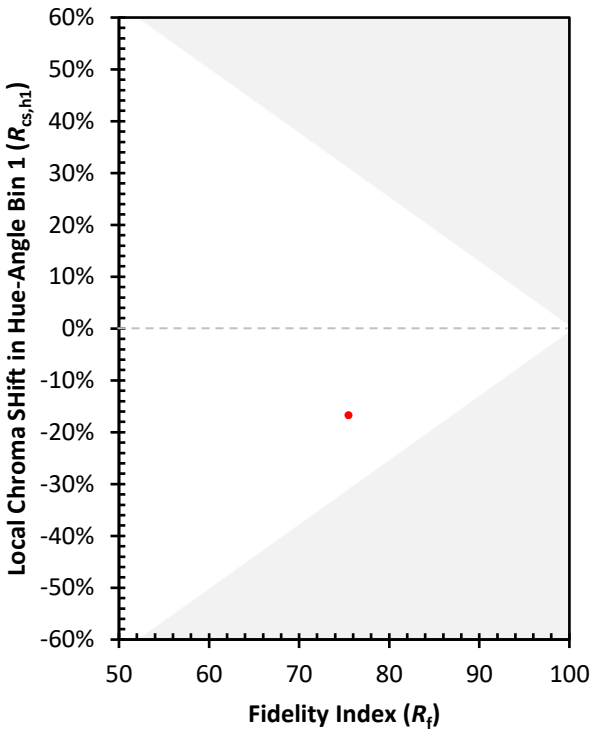
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### Measure Comparisons




(END OF REPORT)