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: P1199642

Luminaire Tested: GPC-SB2B-722-U-SLL-HSS

Issue Date: 10/30/2025

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1199642 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/12/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2B-722-U-SLL-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOI LEFT OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 7099 lumens |
| Efficiency: | N/A |
| Efficacy: | 96.1 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 73.9 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.627 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.988 |
| Total Harmonic Distortion (THDi): | 13.593 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

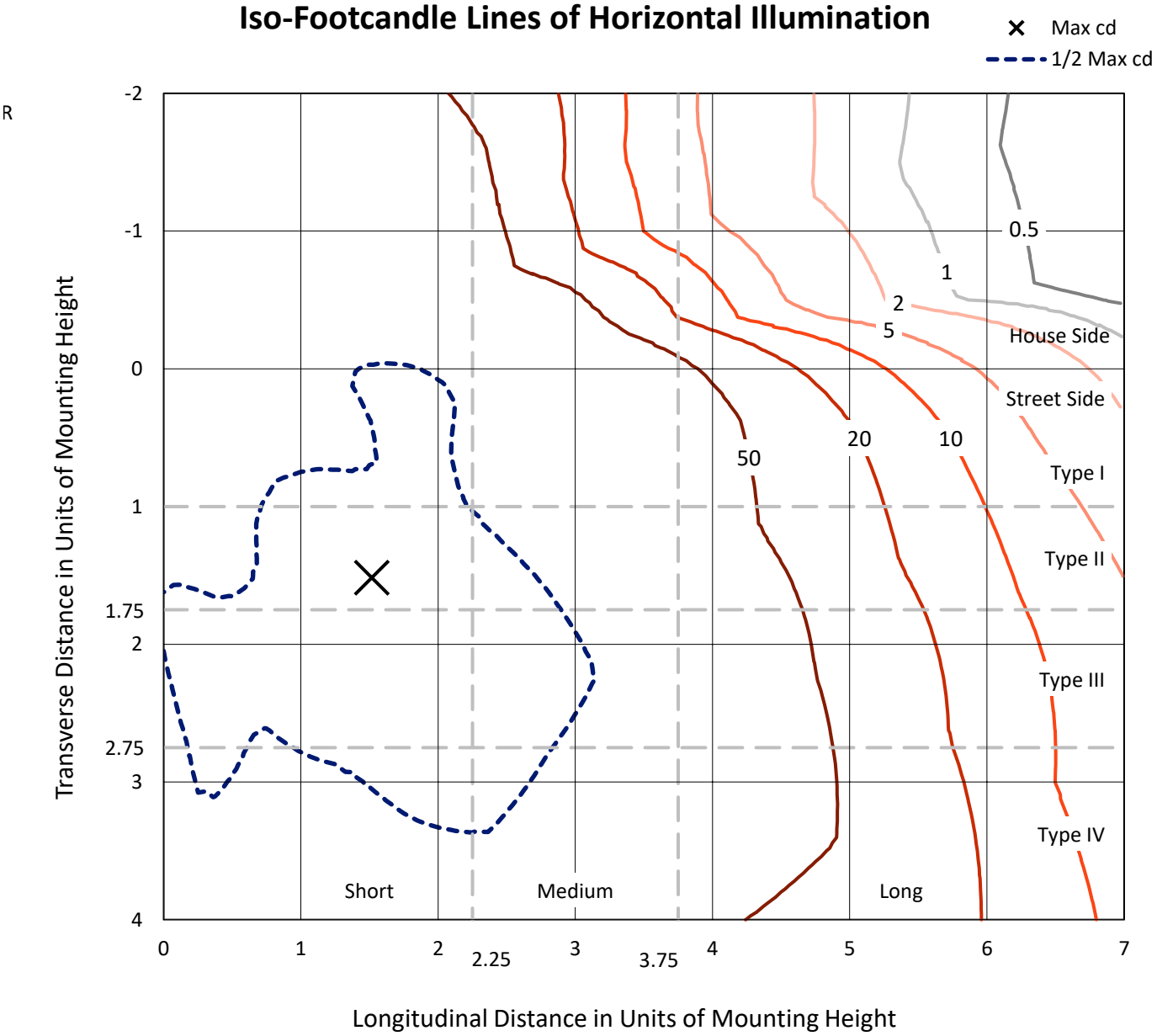


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## Iso-Footcandle Lines of Horizontal Illumination



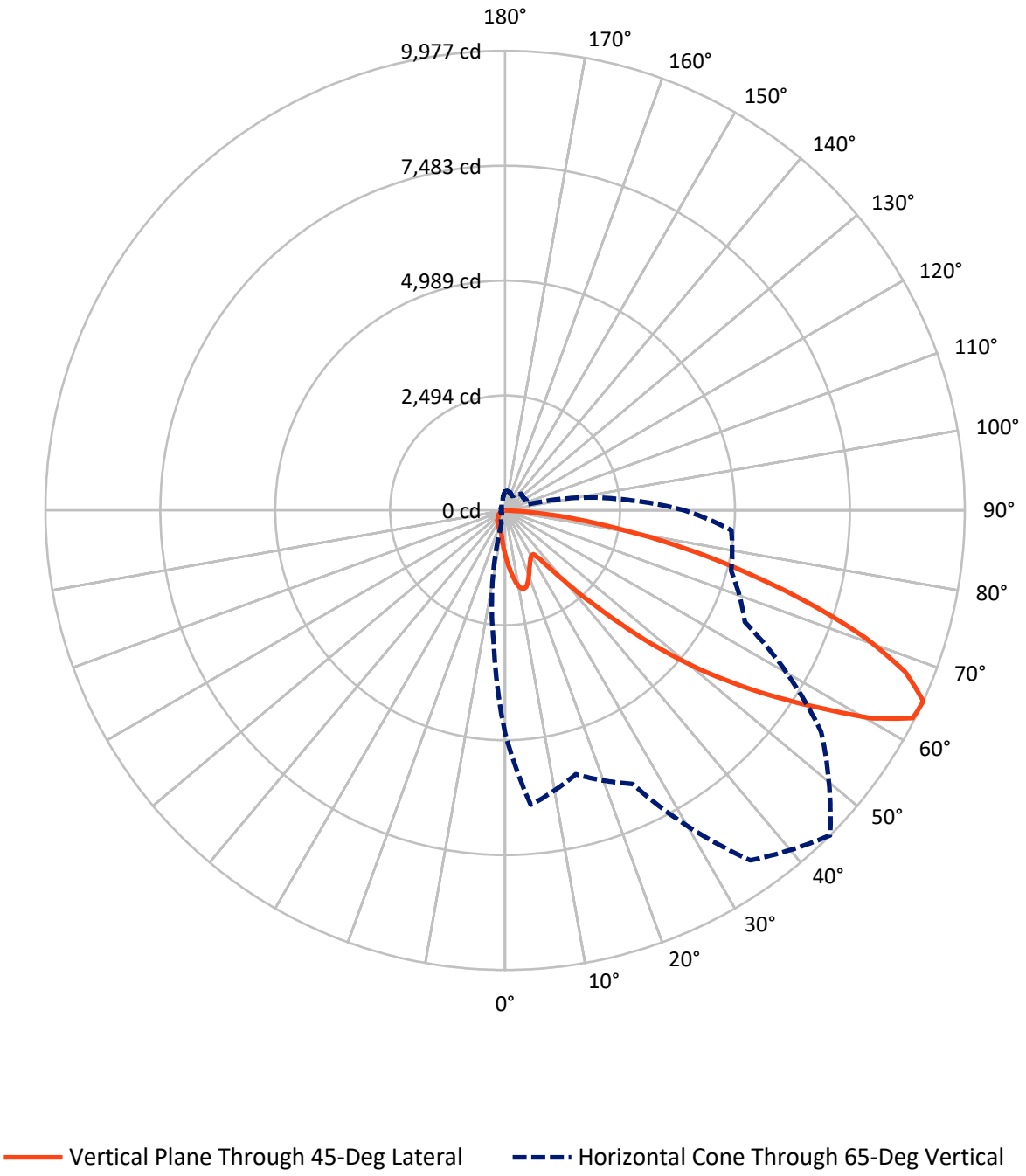

Based on 0.5 foot mounting height. Maximum calculated value = 6457.9 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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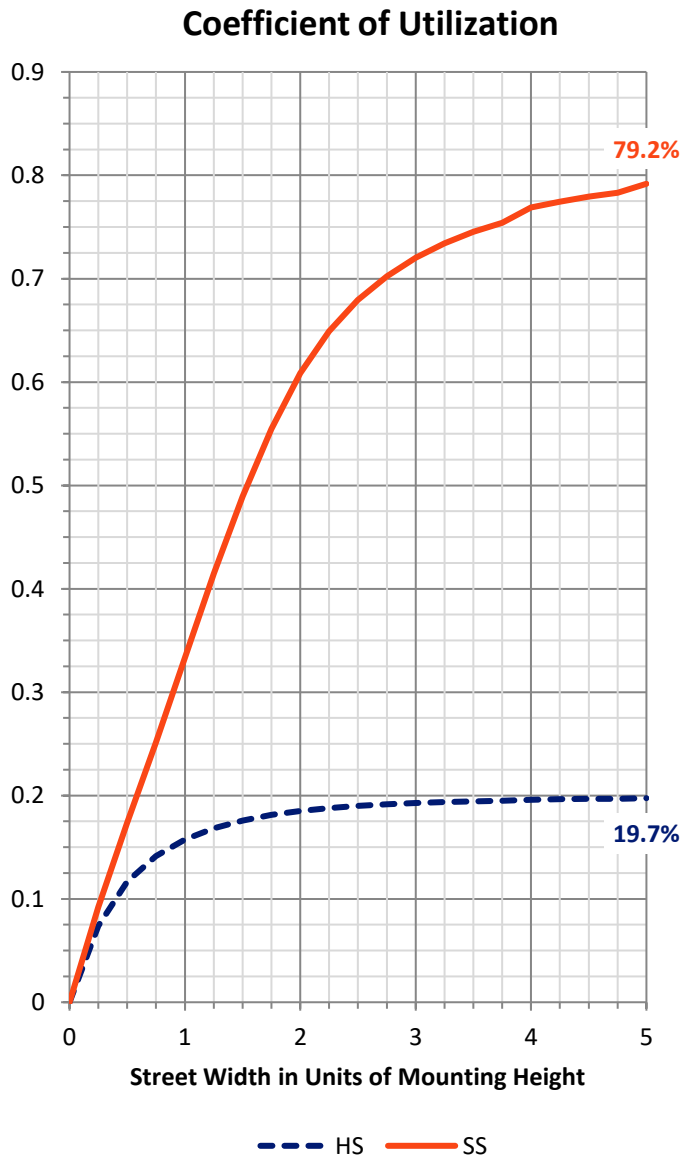
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1411.1 | 0.0 | 1411.1 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| **Street Side** | Lumens | 5687.9 | 0.0 | 5687.9 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| **Total** | Lumens | 7099.0 | 0.0 | 7099.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 96.8 | 1.4 |
| 10°-20° | 290.1 | 4.1 |
| 20°-30° | 427.4 | 6.0 |
| 30°-40° | 549.1 | 7.7 |
| 40°-50° | 888.0 | 12.5 |
| 50°-60° | 1557.3 | 21.9 |
| 60°-70° | 1948.5 | 27.4 |
| 70°-80° | 1138.6 | 16.0 |
| 80°-90° | 203.2 | 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° | 7099.0 | 100.0 |
| 0°-180° | 7099.0 | 100.0 |



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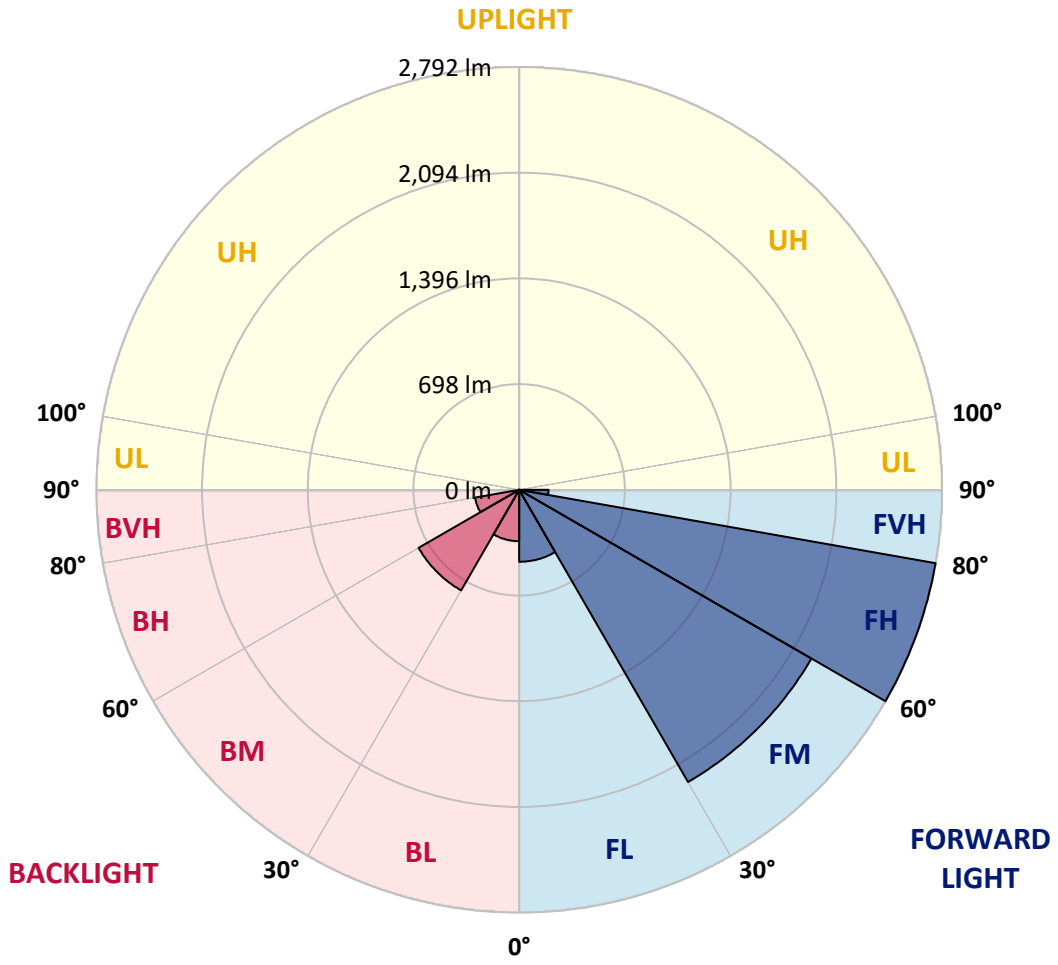
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 475.0 | 6.7 | | | |
| FM | (30°-60°) | 2227.8 | 31.4 | | | |
| FH | (60°-80°) | 2791.5 | 39.3 | | | G2/5000 |
| FVH | (80°-90°) | 193.6 | 2.7 | | | G2/225 |
| BL | (0°-30°) | 339.3 | 4.8 | B1/500 | | |
| BM | (30°-60°) | 766.6 | 10.8 | B1/1000 | | |
| BH | (60°-80°) | 295.6 | 4.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.5 | 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-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | *983.0* | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 |
| 2.5° | 1101.3 | 1109.6 | 1128.2 | 1138.0 | 1153.2 | *1154.2* | 1154.2 | 1140.9 | 1140.5 | 1113.6 | 1110.6 |
| 5° | 1230.9 | 1250.5 | 1294.5 | 1340.0 | 1349.8 | *1352.2* | 1347.3 | 1320.9 | 1301.4 | 1249.0 | 1237.8 |
| 7.5° | 1359.6 | 1397.2 | 1464.2 | 1524.8 | 1544.4 | *1544.4* | 1532.7 | 1489.6 | 1449.5 | 1373.7 | 1345.4 |
| 10° | 1466.2 | 1513.6 | 1604.6 | 1672.5 | 1695.0 | *1690.1* | 1666.2 | 1611.9 | 1556.6 | 1464.7 | 1427.5 |
| 12.5° | 1536.6 | 1589.9 | 1689.7 | 1744.4 | 1767.4 | *1754.7* | 1727.3 | 1674.5 | 1616.3 | 1519.5 | 1477.4 |
| 15° | 1571.8 | 1627.5 | 1714.1 | 1743.0 | 1736.6 | *1723.4* | 1720.0 | 1694.5 | 1650.5 | 1560.1 | 1514.1 |
| 17.5° | 1587.0 | 1638.8 | 1698.9 | 1680.9 | 1627.1 | *1616.8* | 1651.0 | 1683.3 | 1672.5 | 1595.3 | 1552.2 |
| 20° | 1601.1 | 1644.7 | 1662.8 | 1582.6 | 1488.7 | *1479.4* | 1544.9 | 1636.8 | 1683.8 | 1628.0 | 1588.4 |
| 22.5° | 1620.7 | 1647.6 | 1610.4 | 1478.9 | 1377.6 | *1356.1* | 1428.5 | 1566.9 | 1687.2 | 1669.6 | 1630.0 |
| 25° | 1647.6 | 1654.9 | 1552.7 | 1380.6 | 1278.9 | *1257.3* | 1324.8 | 1489.1 | 1681.3 | 1714.6 | 1680.9 |
| 27.5° | 1679.9 | 1664.7 | 1497.5 | 1298.4 | 1200.1 | *1180.1* | 1247.6 | 1414.3 | 1664.7 | 1759.6 | 1735.6 |
| 30° | 1721.9 | 1677.4 | 1442.7 | 1234.8 | 1143.9 | *1129.2* | 1194.3 | 1349.8 | 1644.2 | 1816.8 | 1803.6 |
| 32.5° | 1764.5 | 1682.8 | 1391.8 | 1197.7 | 1131.2 | *1136.5* | 1189.9 | 1315.0 | 1621.7 | 1871.6 | 1877.9 |
| 35° | 1810.5 | 1699.9 | 1366.9 | 1234.4 | 1237.3 | *1284.2* | 1306.2 | 1347.3 | 1618.3 | 1945.9 | 1970.9 |
| 37.5° | 1873.0 | 1738.1 | 1396.7 | 1416.8 | 1518.5 | *1615.8* | 1597.7 | 1505.3 | 1657.9 | 2056.9 | 2103.4 |
| 40° | 1963.0 | 1805.1 | 1526.8 | 1727.3 | 1936.1 | *2094.1* | 2025.1 | 1792.4 | 1779.2 | 2216.8 | 2286.3 |
| 42.5° | 2094.1 | 1911.7 | 1757.6 | 2106.8 | 2460.9 | *2721.1* | 2536.2 | 2162.6 | 1991.4 | 2445.2 | 2533.8 |
| 45° | 2287.8 | 2084.3 | 2036.9 | 2507.3 | 3107.9 | *3517.7* | 3133.3 | 2557.2 | 2288.7 | 2791.0 | 2860.4 |
| 47.5° | 2556.2 | 2338.1 | 2298.5 | 2929.4 | 3894.3 | *4424.4* | 3795.5 | 2923.0 | 2627.2 | 3262.4 | 3278.6 |
| 50° | 2912.8 | 2680.0 | 2546.5 | 3391.1 | 4756.5 | *5348.7* | 4457.2 | 3276.1 | 3015.0 | 3838.5 | 3819.9 |
| 52.5° | 3383.2 | 3156.8 | 2835.5 | 3830.7 | 5643.1 | *6253.4* | 5121.8 | 3586.2 | 3496.2 | 4507.1 | 4468.9 |
| 55° | 4024.9 | 3874.2 | 3230.6 | 4250.3 | 6529.3 | *7163.6* | 5760.5 | 3878.6 | 4132.0 | 5301.3 | 5070.4 |
| 57.5° | 4821.0 | 4928.6 | 3800.4 | 4736.9 | 7325.9 | *8101.6* | 6402.1 | 4287.5 | 4957.5 | 6189.4 | 5419.6 |
| 60° | 5334.5 | 6330.7 | 4891.4 | 5456.3 | 8231.1 | *9162.3* | 7281.4 | 5065.1 | 5825.0 | 6507.7 | 5353.1 |
| 62.5° | 5210.3 | 6776.7 | 6198.2 | 6374.7 | 9063.5 | *9933.5* | 8143.1 | 5846.1 | 5988.4 | 6038.8 | 4840.6 |
| 65° | *4829.3* | *6416.8* | *5931.7* | *6553.2* | *9274.3* | *9977.0* | *8373.5* | *5745.3* | *5079.7* | *4930.1* | *3890.9* |
| 67.5° | 4305.1 | 5989.8 | 5298.3 | 6079.8 | 8893.3 | *9368.7* | 7944.6 | 5082.2 | 3925.6 | 3699.6 | 2822.8 |
| 70° | 3739.3 | 5517.4 | 4882.6 | 5548.7 | 8167.1 | *8308.4* | 7215.4 | 4469.9 | 2887.3 | 2498.5 | 1811.4 |
| 72.5° | 3202.3 | 5025.4 | 4598.0 | 5004.4 | 7198.3 | *6905.8* | 6266.2 | 3928.5 | 2102.4 | 1802.1 | 1287.7 |
| 75° | 2653.1 | 4299.7 | 4192.6 | 4357.9 | 5924.3 | *5439.7* | 5206.4 | 3252.7 | 1650.0 | 1303.8 | 888.6 |
| 77.5° | 2047.2 | 3359.8 | 3606.2 | 3489.8 | 4170.1 | *4040.5* | 4035.6 | 2444.3 | 1205.5 | 870.0 | 557.0 |
| 80° | 1401.1 | 2341.6 | 2817.4 | 2461.9 | 2706.4 | *2640.4* | 3039.4 | 1639.8 | 874.4 | 523.8 | 310.1 |
| 82.5° | 823.6 | 1425.6 | 1961.1 | 1191.8 | 1496.5 | *1536.1* | 1810.0 | 797.6 | 514.5 | 120.8 | 67.5 |
| 85° | 334.0 | 562.9 | 766.8 | 466.6 | 721.8 | *608.9* | 687.1 | 224.0 | 143.3 | 2.9 | 0.0 |
| 87.5° | 84.1 | 180.0 | 126.2 | 52.3 | 83.6 | *76.8* | 60.6 | 27.4 | 5.9 | 0.0 | 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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CATALOG NUMBER: GPC-SB2B-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 |
| 2.5° | 1091.6 | 1080.3 | 1052.4 | 1024.6 | 1002.1 | 971.7 | 951.7 | 927.7 | 904.7 | 884.2 | 880.3 |
| 5° | 1207.0 | 1169.8 | 1118.9 | 1072.5 | 1025.0 | 979.1 | 933.6 | 885.7 | 841.6 | 814.8 | 797.6 |
| 7.5° | 1300.9 | 1235.3 | 1167.8 | 1108.7 | 1051.5 | 997.7 | 937.5 | 879.3 | 810.4 | 773.7 | 740.4 |
| 10° | 1370.8 | 1284.7 | 1196.2 | 1128.2 | 1070.5 | 1018.2 | 967.3 | 908.6 | 825.5 | 779.5 | 729.7 |
| 12.5° | 1416.8 | 1314.6 | 1210.9 | 1133.1 | 1068.6 | 1028.0 | 1005.5 | 982.5 | 899.8 | 846.1 | 773.7 |
| 15° | 1448.6 | 1335.6 | 1221.2 | 1121.9 | 1042.6 | 1012.8 | 1035.3 | 1061.7 | 1008.9 | 946.8 | 852.4 |
| 17.5° | 1483.3 | 1363.0 | 1225.6 | 1091.6 | 992.3 | 979.6 | 1037.8 | 1098.9 | 1096.4 | 1034.8 | 942.4 |
| 20° | 1520.0 | 1386.9 | 1222.6 | 1042.6 | 931.1 | 942.4 | 1016.7 | 1087.6 | 1117.5 | 1084.2 | 1002.1 |
| 22.5° | 1557.6 | 1409.9 | 1211.4 | 979.1 | 873.9 | 909.1 | 983.5 | 1045.6 | 1080.8 | 1070.5 | 1007.9 |
| 25° | 1605.1 | 1442.2 | 1194.7 | 910.6 | 826.5 | 875.4 | 944.8 | 995.2 | 1019.7 | 1019.2 | 976.1 |
| 27.5° | 1661.8 | 1485.2 | 1185.9 | 855.3 | 792.7 | 837.2 | 898.9 | 943.9 | 961.0 | 961.0 | 926.7 |
| 30° | 1727.8 | 1536.1 | 1176.2 | 819.2 | 773.2 | 797.6 | 845.6 | 889.6 | 906.7 | 906.7 | 877.8 |
| 32.5° | 1801.2 | 1585.0 | 1152.7 | 797.1 | 758.5 | 759.0 | 789.3 | 829.4 | 850.0 | 852.9 | 832.4 |
| 35° | 1889.2 | 1637.3 | 1101.3 | 779.5 | 741.4 | 721.3 | 736.0 | 769.3 | 793.7 | 800.1 | 787.4 |
| 37.5° | 2004.6 | 1701.4 | 1028.0 | 753.6 | 715.0 | 681.7 | 685.2 | 710.6 | 737.5 | 747.3 | 738.9 |
| 40° | 2159.6 | 1776.7 | 951.7 | 716.5 | 677.8 | 638.2 | 636.7 | 655.3 | 681.7 | 692.5 | 688.1 |
| 42.5° | 2364.5 | 1867.2 | 878.8 | 680.8 | 632.8 | 592.2 | 589.8 | 604.5 | 627.4 | 638.7 | 636.7 |
| 45° | 2626.7 | 1978.2 | 816.2 | 652.9 | 588.8 | 548.7 | 547.7 | 560.0 | 580.0 | 591.7 | 589.3 |
| 47.5° | 2991.0 | 2089.2 | 773.7 | 638.2 | 554.1 | 513.0 | 515.0 | 525.7 | 543.8 | 552.1 | 548.7 |
| 50° | 3465.9 | 2123.0 | 752.2 | 638.2 | 535.5 | 481.2 | 491.0 | 499.8 | 513.5 | 518.4 | 514.0 |
| 52.5° | 3921.7 | 2011.5 | 732.6 | 642.1 | 538.0 | 454.3 | 475.4 | 481.7 | 493.4 | 495.4 | 489.0 |
| 55° | 4145.2 | 1729.3 | 705.7 | 643.1 | 553.1 | 431.3 | 462.6 | 474.4 | 478.8 | 478.3 | 467.5 |
| 57.5° | 4068.4 | 1398.2 | 660.2 | 639.2 | 563.4 | 416.7 | 447.0 | 469.5 | 472.4 | 468.0 | 448.0 |
| 60° | 3798.9 | 1029.4 | 625.5 | 610.3 | 559.5 | 412.3 | 423.0 | 458.7 | 463.1 | 457.3 | 424.5 |
| 62.5° | 3347.0 | 714.5 | 598.6 | 546.8 | 542.4 | 410.8 | 385.4 | 435.3 | 446.0 | 437.7 | 389.8 |
| 65° | *2635.0* | *504.7* | *515.5* | *479.3* | *505.2* | *403.0* | *346.2* | *406.9* | *421.6* | *408.8* | *341.4* |
| 67.5° | 1783.1 | 364.3 | 417.6 | 434.3 | 445.0 | 385.4 | 317.9 | 374.6 | 394.2 | 377.5 | 285.1 |
| 70° | 962.9 | 255.8 | 275.8 | 365.8 | 378.0 | 355.0 | 292.5 | 341.8 | 364.3 | 346.2 | 232.3 |
| 72.5° | 568.8 | 183.9 | 193.2 | 293.9 | 314.9 | 312.5 | 264.1 | 303.7 | 331.1 | 309.6 | 188.8 |
| 75° | 313.5 | 124.2 | 137.9 | 213.2 | 255.8 | 241.1 | 226.9 | 257.2 | 285.1 | 264.1 | 145.7 |
| 77.5° | 140.4 | 74.3 | 95.9 | 139.9 | 201.0 | 165.3 | 175.6 | 200.5 | 226.4 | 204.4 | 97.3 |
| 80° | 54.3 | 41.6 | 63.6 | 76.3 | 146.2 | 91.5 | 113.0 | 147.7 | 166.3 | 148.7 | 59.2 |
| 82.5° | 6.8 | 18.6 | 27.4 | 29.8 | 85.1 | 48.4 | 65.5 | 92.9 | 91.5 | 79.2 | 29.8 |
| 85° | 0.0 | 3.4 | 3.9 | 2.0 | 36.7 | 17.6 | 21.5 | 30.3 | 28.4 | 21.5 | 2.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 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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CATALOG NUMBER: GPC-SB2B-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 |
| 2.5° | 856.3 | 838.7 | 829.9 | 822.6 | 829.4 | 833.3 | 833.3 | 850.0 | 859.7 | 863.7 | 891.0 |
| 5° | 754.6 | 721.8 | 699.8 | 686.6 | 691.0 | 695.9 | 701.3 | 722.3 | 736.5 | 745.8 | 788.3 |
| 7.5° | 674.4 | 624.5 | 593.7 | 577.6 | 580.0 | 583.4 | 587.8 | 608.4 | 622.6 | 634.8 | 682.2 |
| 10° | 634.8 | 564.4 | 523.8 | 504.2 | 500.8 | 498.8 | 497.4 | 509.6 | 520.3 | 530.1 | 577.1 |
| 12.5° | 636.7 | 538.4 | 489.0 | 465.1 | 454.8 | 443.1 | 433.8 | 435.7 | 442.6 | 454.8 | 484.6 |
| 15° | 661.7 | 530.1 | 471.0 | 441.1 | 424.0 | 410.3 | 399.1 | 396.6 | 399.1 | 401.0 | 419.6 |
| 17.5° | 695.4 | 529.1 | 455.3 | 418.1 | 400.5 | 389.3 | 379.0 | 375.6 | 376.1 | 378.5 | 383.4 |
| 20° | 722.3 | 526.2 | 437.7 | 396.1 | 380.5 | 370.7 | 360.4 | 357.0 | 358.0 | 358.5 | 363.9 |
| 22.5° | 736.5 | 521.8 | 418.1 | 374.1 | 360.9 | 351.1 | 341.8 | 341.4 | 341.4 | 344.3 | 348.2 |
| 25° | 736.5 | 512.5 | 400.5 | 353.1 | 341.4 | 332.6 | 321.3 | 323.3 | 324.2 | 328.2 | 334.0 |
| 27.5° | 718.9 | 494.9 | 386.3 | 335.0 | 322.8 | 314.0 | 303.7 | 306.1 | 307.6 | 312.0 | 319.3 |
| 30° | 696.4 | 473.9 | 370.2 | 317.9 | 303.7 | 297.3 | 288.5 | 289.5 | 291.5 | 296.4 | 304.7 |
| 32.5° | 672.4 | 448.9 | 357.0 | 300.8 | 286.6 | 281.7 | 271.9 | 273.4 | 275.3 | 280.7 | 290.0 |
| 35° | 646.0 | 419.6 | 341.4 | 285.1 | 270.9 | 267.0 | 255.8 | 256.7 | 259.7 | 265.6 | 274.8 |
| 37.5° | 618.2 | 395.6 | 325.7 | 270.0 | 255.3 | 251.4 | 239.6 | 240.6 | 244.0 | 250.9 | 259.7 |
| 40° | 590.8 | 372.2 | 309.1 | 253.8 | 239.1 | 235.7 | 223.0 | 224.0 | 227.9 | 235.2 | 244.5 |
| 42.5° | 560.9 | 354.1 | 287.6 | 237.2 | 221.5 | 218.1 | 206.4 | 207.8 | 212.2 | 219.6 | 228.9 |
| 45° | 525.2 | 342.3 | 263.6 | 221.5 | 203.9 | 200.5 | 189.8 | 192.7 | 197.6 | 204.9 | 214.7 |
| 47.5° | 488.6 | 337.4 | 243.5 | 204.9 | 185.8 | 182.9 | 174.1 | 179.0 | 184.4 | 190.2 | 201.0 |
| 50° | 453.3 | 331.1 | 223.0 | 189.3 | 170.2 | 167.3 | 161.4 | 167.7 | 173.1 | 178.5 | 188.8 |
| 52.5° | 413.2 | 317.4 | 204.4 | 175.6 | 157.0 | 156.0 | 153.1 | 158.9 | 163.8 | 168.7 | 177.5 |
| 55° | 371.7 | 295.4 | 188.3 | 163.3 | 145.7 | 146.7 | 145.2 | 150.1 | 154.0 | 158.5 | 166.3 |
| 57.5° | 335.5 | 267.5 | 175.6 | 150.1 | 136.0 | 138.9 | 136.9 | 139.4 | 141.8 | 147.2 | 153.6 |
| 60° | 298.8 | 234.3 | 161.4 | 134.5 | 126.2 | 129.6 | 124.2 | 123.7 | 124.7 | 126.2 | 137.9 |
| 62.5° | 249.4 | 199.5 | 143.8 | 120.8 | 115.4 | 116.9 | 106.6 | 98.8 | 98.8 | 100.3 | 117.9 |
| 65° | *200.5* | *167.3* | *124.2* | *105.1* | *100.7* | *99.8* | *85.1* | *74.3* | *73.4* | *77.8* | *92.9* |
| 67.5° | 164.8 | 138.9 | 104.7 | 87.5 | 84.6 | 85.6 | 74.8 | 64.1 | 63.1 | 68.0 | 79.2 |
| 70° | 136.4 | 112.0 | 83.6 | 67.5 | 70.4 | 74.8 | 64.1 | 53.8 | 52.3 | 56.7 | 67.5 |
| 72.5° | 108.6 | 87.5 | 64.1 | 49.9 | 58.2 | 63.6 | 52.3 | 42.5 | 41.6 | 45.5 | 55.8 |
| 75° | 79.7 | 62.6 | 43.5 | 36.2 | 45.0 | 49.9 | 38.1 | 30.3 | 28.9 | 32.3 | 42.5 |
| 77.5° | 49.4 | 35.2 | 27.4 | 21.5 | 30.8 | 33.3 | 20.1 | 17.6 | 17.1 | 19.6 | 26.9 |
| 80° | 23.0 | 15.2 | 13.2 | 7.3 | 11.2 | 13.2 | 8.3 | 9.3 | 9.8 | 11.7 | 16.6 |
| 82.5° | 6.4 | 2.4 | 0.5 | 0.0 | 0.0 | 3.9 | 2.0 | 3.9 | 4.9 | 7.3 | 10.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.4 | 4.4 | 7.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.9 |
| 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: P1199642
CATALOG NUMBER: GPC-SB2B-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|
| 0° | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 |
| 2.5° | 911.6 | 931.1 | 962.4 | 994.7 | 1026.5 | 1058.8 | 1090.1 | 1101.3 |
| 5° | 827.0 | 872.0 | 934.1 | 1000.6 | 1069.1 | 1138.5 | 1202.1 | 1230.9 |
| 7.5° | 732.6 | 797.1 | 890.6 | 994.7 | 1103.8 | 1212.8 | 1313.1 | 1359.6 |
| 10° | 631.8 | 713.5 | 820.1 | 961.0 | 1117.5 | 1268.1 | 1406.0 | 1466.2 |
| 12.5° | 536.0 | 621.6 | 739.4 | 908.2 | 1106.7 | 1299.9 | 1465.7 | 1536.6 |
| 15° | 455.8 | 531.6 | 658.7 | 845.6 | 1072.0 | 1301.8 | 1494.0 | 1571.8 |
| 17.5° | 395.6 | 445.0 | 576.6 | 776.1 | 1026.5 | 1283.7 | 1503.8 | 1587.0 |
| 20° | 365.8 | 379.5 | 470.0 | 687.1 | 984.0 | 1266.6 | 1513.6 | 1601.1 |
| 22.5° | 348.2 | 351.6 | 384.4 | 572.2 | 933.1 | 1261.3 | 1530.7 | 1620.7 |
| 25° | 334.0 | 335.0 | 343.8 | 453.3 | 855.3 | 1257.8 | 1557.1 | 1647.6 |
| 27.5° | 319.8 | 319.8 | 324.7 | 365.3 | 749.7 | 1243.2 | 1591.4 | 1679.9 |
| 30° | 305.7 | 305.7 | 309.1 | 323.3 | 626.0 | 1214.3 | 1632.4 | 1721.9 |
| 32.5° | 291.0 | 291.0 | 293.9 | 304.2 | 499.8 | 1178.1 | 1670.1 | 1764.5 |
| 35° | 276.3 | 275.3 | 279.2 | 290.0 | 397.6 | 1132.1 | 1707.8 | 1810.5 |
| 37.5° | 260.7 | 260.2 | 264.1 | 276.3 | 343.3 | 1078.8 | 1736.1 | 1873.0 |
| 40° | 244.0 | 244.0 | 248.4 | 261.6 | 327.7 | 1011.8 | 1781.1 | 1963.0 |
| 42.5° | 228.9 | 227.9 | 232.8 | 248.9 | 315.9 | 947.8 | 1861.8 | 2094.1 |
| 45° | 214.2 | 212.2 | 216.6 | 236.7 | 295.4 | 925.3 | 2012.4 | 2287.8 |
| 47.5° | 200.5 | 195.6 | 199.5 | 222.0 | 276.8 | 1009.4 | 2258.9 | 2556.2 |
| 50° | 189.3 | 180.0 | 183.4 | 207.4 | 262.6 | 1191.8 | 2578.7 | 2912.8 |
| 52.5° | 177.5 | 165.3 | 167.3 | 189.3 | 249.9 | 1365.4 | 2925.5 | 3383.2 |
| 55° | 165.3 | 151.6 | 152.6 | 171.2 | 231.8 | 1391.3 | 3263.9 | 4024.9 |
| 57.5° | 151.6 | 138.9 | 138.9 | 154.5 | 218.6 | 1206.0 | 3524.1 | 4821.0 |
| 60° | 136.4 | 128.1 | 125.7 | 141.3 | 230.3 | 850.9 | 3554.4 | 5334.5 |
| 62.5° | 119.8 | 115.4 | 112.0 | 128.6 | 239.1 | 504.2 | 3310.4 | 5210.3 |
| 65° | *100.7* | *99.8* | *97.3* | *141.3* | *201.5* | *297.8* | *2841.9* | *4829.3* |
| 67.5° | 84.6 | 83.1 | 83.1 | 148.2 | 153.1 | 187.3 | 2220.3 | 4305.1 |
| 70° | 72.9 | 67.5 | 67.5 | 112.0 | 92.9 | 129.6 | 1550.3 | 3739.3 |
| 72.5° | 61.1 | 55.3 | 51.3 | 89.5 | 69.4 | 94.9 | 968.8 | 3202.3 |
| 75° | 48.9 | 44.5 | 39.6 | 59.2 | 51.8 | 71.9 | 562.9 | 2653.1 |
| 77.5° | 35.2 | 33.3 | 27.9 | 43.5 | 37.7 | 51.8 | 335.0 | 2047.2 |
| 80° | 18.1 | 18.6 | 17.6 | 24.9 | 25.4 | 35.2 | 190.7 | 1401.1 |
| 82.5° | 10.8 | 8.3 | 9.3 | 12.2 | 14.7 | 20.1 | 71.9 | 823.6 |
| 85° | 6.8 | 4.4 | 4.4 | 5.9 | 7.3 | 7.8 | 22.0 | 334.0 |
| 87.5° | 3.4 | 1.5 | 2.0 | 2.9 | 2.4 | 2.0 | 1.0 | 84.1 |
| 90° | 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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.13

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

## Test Information

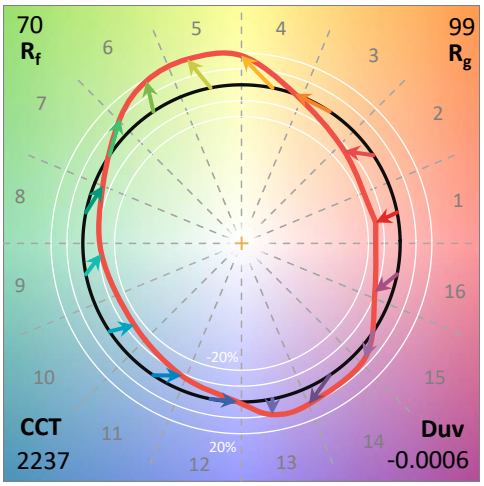
| | |
|---|---|
| Test Method: | LM-79-2008 Report |
| Number: | SP1-1908-441-10-R4 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/28/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | **SA1C-722-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): | 2237 | CRI (Ra): | 72.0 | | |
| CIE u': | 0.2876 | R1: | 68.9 | R9: | -17.4 |
| CIE v': | 0.5346 | R2: | 83.0 | R10: | 61.3 |
| Duv: | -0.0006 | R3: | 95.2 | R11: | 59.8 |
| CIE x: | 0.5005 | R4: | 66.2 | R12: | 50.5 |
| CIE y: | 0.4134 | R5: | 65.9 | R13: | 71.1 |
| CIE z: | 0.0860 | R6: | 76.3 | R14: | 96.9 |
| Peak Wavelength (nm): | 603 | R7: | 76.7 | | |
| Dominant Wavelength (nm): | 587 | R8: | 43.8 | | |
| Purity: | 74.5 | | | | |

| | |
|---|---|
| Rf: | 69.8 |
| Rg: | 99.2 |




## Test Conditions

| | |
|---|---|
| Stabilization Time: | 71M |
| Operation Time: | 12H |
| Room Temperature (°C) / RH%: | 24.7/41% |
| Sphere Temperature (°C): | 25.6 |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

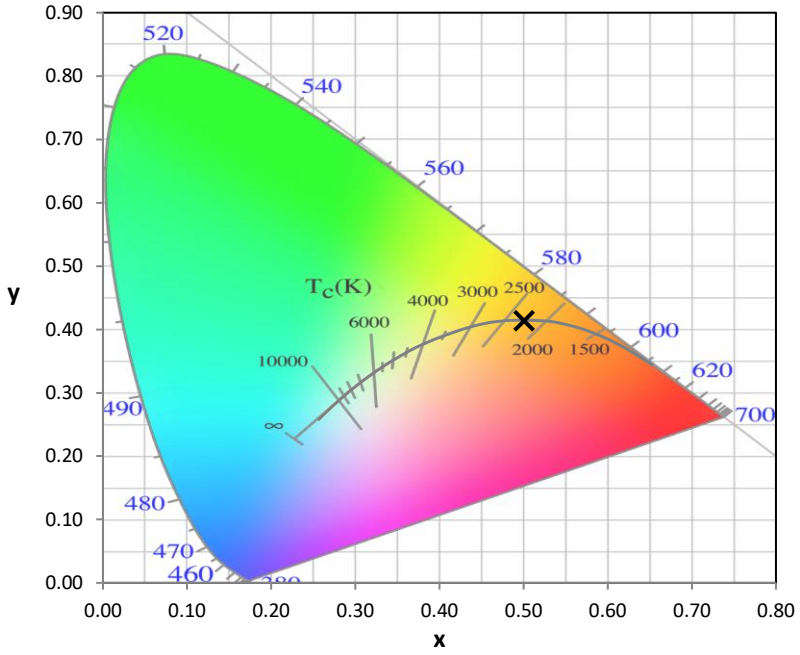
REPORT NUMBER: SP1-1908-441-10-R4

| 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 |

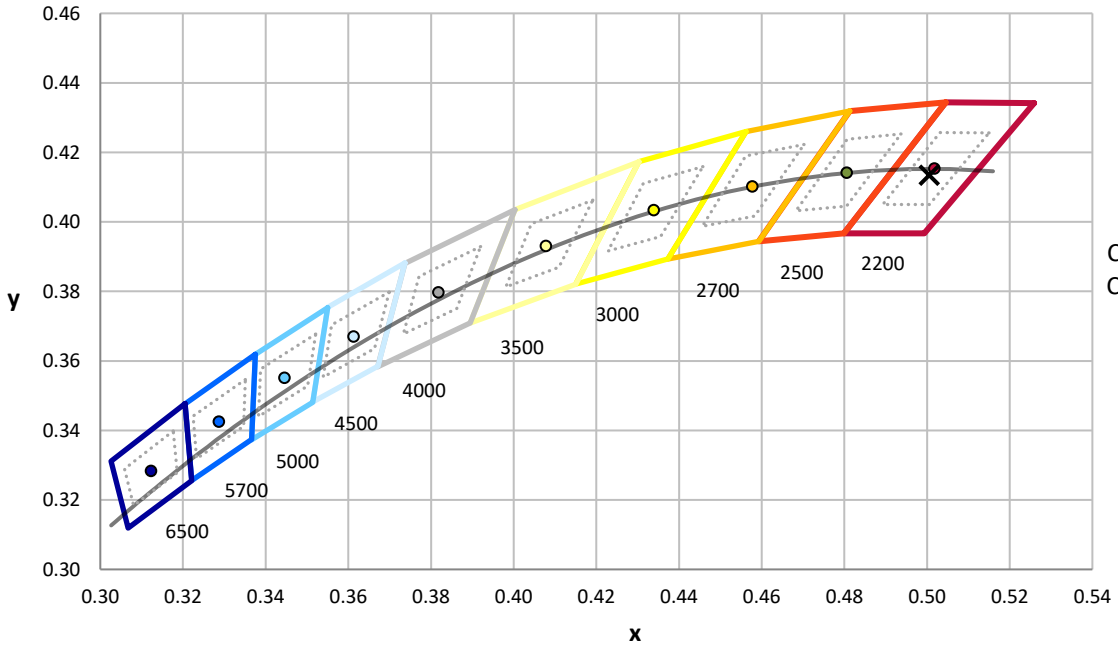
Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

REPORT NUMBER: SP1-1908-441-10-R4

## CIE 1931 Chromaticity Diagram




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



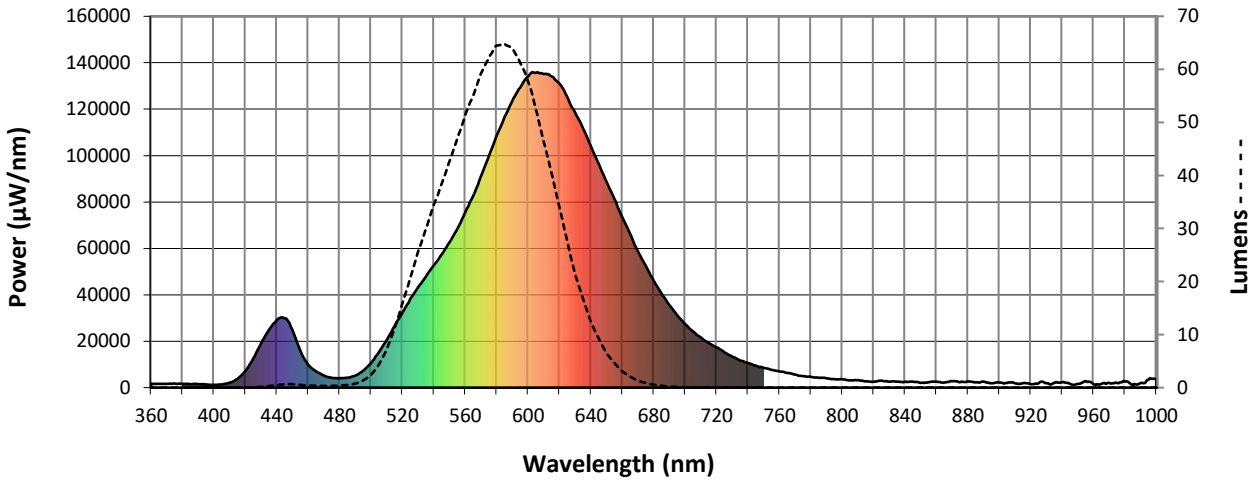

CCT = 2237K
CIE x = 0.5005
CIE y = 0.4134
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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## Photopic Flux vs. Wavelength



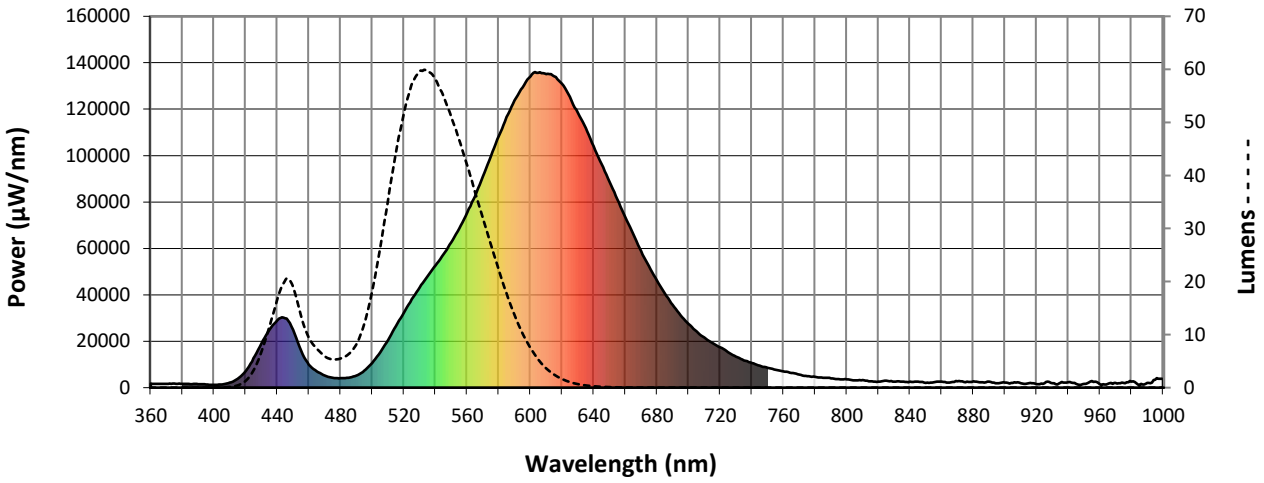

**Photopic Lumens: 5530.5**

| 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 | 1768 | 0.0 | 490 | 5206 | 0.7 | 620 | 130919 | 34.1 | 750 | 8553 | 0.0 | 880 | 2713 | 0.0 |
| 365 | 1569 | 0.0 | 495 | 7286 | 1.3 | 625 | 125335 | 27.7 | 755 | 7696 | 0.0 | 885 | 2316 | 0.0 |
| 370 | 1594 | 0.0 | 500 | 10654 | 2.4 | 630 | 118388 | 21.4 | 760 | 6978 | 0.0 | 890 | 2539 | 0.0 |
| 375 | 1744 | 0.0 | 505 | 15189 | 4.2 | 635 | 111855 | 16.8 | 765 | 6377 | 0.0 | 895 | 1933 | 0.0 |
| 380 | 1659 | 0.0 | 510 | 20541 | 7.1 | 640 | 104062 | 12.4 | 770 | 5600 | 0.0 | 900 | 2216 | 0.0 |
| 385 | 1504 | 0.0 | 515 | 26492 | 11.0 | 645 | 96365 | 9.3 | 775 | 5000 | 0.0 | 905 | 2067 | 0.0 |
| 390 | 1541 | 0.0 | 520 | 32294 | 15.7 | 650 | 88651 | 6.5 | 780 | 4709 | 0.0 | 910 | 1959 | 0.0 |
| 395 | 1355 | 0.0 | 525 | 38123 | 20.5 | 655 | 81152 | 4.7 | 785 | 4305 | 0.0 | 915 | 1874 | 0.0 |
| 400 | 1243 | 0.0 | 530 | 43232 | 25.5 | 660 | 73523 | 3.1 | 790 | 4040 | 0.0 | 920 | 1484 | 0.0 |
| 405 | 1417 | 0.0 | 535 | 48012 | 29.8 | 665 | 66123 | 2.1 | 795 | 3642 | 0.0 | 925 | 1914 | 0.0 |
| 410 | 2147 | 0.0 | 540 | 52623 | 34.3 | 670 | 58677 | 1.3 | 800 | 3594 | 0.0 | 930 | 1948 | 0.0 |
| 415 | 3837 | 0.0 | 545 | 57516 | 38.3 | 675 | 52349 | 0.9 | 805 | 3190 | 0.0 | 935 | 2079 | 0.0 |
| 420 | 7159 | 0.0 | 550 | 62613 | 42.5 | 680 | 46159 | 0.5 | 810 | 3241 | 0.0 | 940 | 2263 | 0.0 |
| 425 | 12599 | 0.1 | 555 | 68554 | 46.8 | 685 | 40525 | 0.3 | 815 | 2732 | 0.0 | 945 | 1688 | 0.0 |
| 430 | 19019 | 0.2 | 560 | 75325 | 51.2 | 690 | 35615 | 0.2 | 820 | 2612 | 0.0 | 950 | 1560 | 0.0 |
| 435 | 24875 | 0.3 | 565 | 82533 | 54.9 | 695 | 31158 | 0.1 | 825 | 2966 | 0.0 | 955 | 2826 | 0.0 |
| 440 | 29103 | 0.5 | 570 | 90909 | 59.1 | 700 | 27409 | 0.1 | 830 | 2574 | 0.0 | 960 | 1477 | 0.0 |
| 445 | 29901 | 0.6 | 575 | 99621 | 62.0 | 705 | 24204 | 0.1 | 835 | 2633 | 0.0 | 965 | 1568 | 0.0 |
| 450 | 24862 | 0.6 | 580 | 108484 | 64.5 | 710 | 21558 | 0.0 | 840 | 2526 | 0.0 | 970 | 2030 | 0.0 |
| 455 | 15942 | 0.5 | 585 | 116679 | 64.8 | 715 | 19222 | 0.0 | 845 | 2631 | 0.0 | 975 | 1986 | 0.0 |
| 460 | 9916 | 0.4 | 590 | 123752 | 64.0 | 720 | 17310 | 0.0 | 850 | 2079 | 0.0 | 980 | 2540 | 0.0 |
| 465 | 7051 | 0.4 | 595 | 129324 | 61.3 | 725 | 15280 | 0.0 | 855 | 2309 | 0.0 | 985 | 1139 | 0.0 |
| 470 | 5227 | 0.3 | 600 | 134082 | 57.8 | 730 | 13282 | 0.0 | 860 | 2528 | 0.0 | 990 | 2018 | 0.0 |
| 475 | 4257 | 0.3 | 605 | 135698 | 52.6 | 735 | 11753 | 0.0 | 865 | 2121 | 0.0 | 995 | 3445 | 0.0 |
| 480 | 4052 | 0.4 | 610 | 135144 | 46.4 | 740 | 10654 | 0.0 | 870 | 2751 | 0.0 | 1000 | 3704 | 0.0 |
| 485 | 4298 | 0.5 | 615 | 134180 | 40.5 | 745 | 9451 | 0.0 | 875 | 2317 | 0.0 | | | |

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

REPORT NUMBER: SP1-1908-441-10-R4

## Scotopic Flux vs. Wavelength



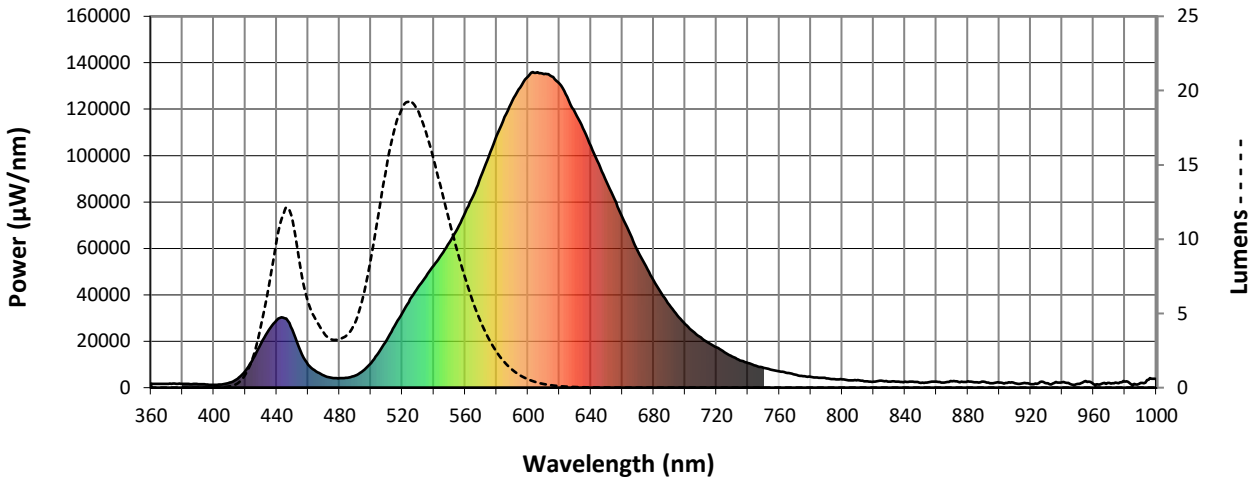

**Scotopic Lumens: 4696.9** **S/P: 0.85**

| 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 | 1768 | 0.0 | 490 | 5206 | 4.3 | 620 | 130919 | 0.1 | 750 | 8553 | 0.0 | 880 | 2713 | 0.0 |
| 365 | 1569 | 0.0 | 495 | 7286 | 6.0 | 625 | 125335 | 0.1 | 755 | 7696 | 0.0 | 885 | 2316 | 0.0 |
| 370 | 1594 | 0.0 | 500 | 10654 | 8.6 | 630 | 118388 | 0.0 | 760 | 6978 | 0.0 | 890 | 2539 | 0.0 |
| 375 | 1744 | 0.0 | 505 | 15189 | 11.7 | 635 | 111855 | 0.0 | 765 | 6377 | 0.0 | 895 | 1933 | 0.0 |
| 380 | 1659 | 0.0 | 510 | 20541 | 14.7 | 640 | 104062 | 0.0 | 770 | 5600 | 0.0 | 900 | 2216 | 0.0 |
| 385 | 1504 | 0.0 | 515 | 26492 | 17.3 | 645 | 96365 | 0.0 | 775 | 5000 | 0.0 | 905 | 2067 | 0.0 |
| 390 | 1541 | 0.0 | 520 | 32294 | 18.8 | 650 | 88651 | 0.0 | 780 | 4709 | 0.0 | 910 | 1959 | 0.0 |
| 395 | 1355 | 0.0 | 525 | 38123 | 19.3 | 655 | 81152 | 0.0 | 785 | 4305 | 0.0 | 915 | 1874 | 0.0 |
| 400 | 1243 | 0.0 | 530 | 43232 | 18.7 | 660 | 73523 | 0.0 | 790 | 4040 | 0.0 | 920 | 1484 | 0.0 |
| 405 | 1417 | 0.0 | 535 | 48012 | 17.3 | 665 | 66123 | 0.0 | 795 | 3642 | 0.0 | 925 | 1914 | 0.0 |
| 410 | 2147 | 0.1 | 540 | 52623 | 15.4 | 670 | 58677 | 0.0 | 800 | 3594 | 0.0 | 930 | 1948 | 0.0 |
| 415 | 3837 | 0.3 | 545 | 57516 | 13.4 | 675 | 52349 | 0.0 | 805 | 3190 | 0.0 | 935 | 2079 | 0.0 |
| 420 | 7159 | 0.8 | 550 | 62613 | 11.2 | 680 | 46159 | 0.0 | 810 | 3241 | 0.0 | 940 | 2263 | 0.0 |
| 425 | 12599 | 2.0 | 555 | 68554 | 9.2 | 685 | 40525 | 0.0 | 815 | 2732 | 0.0 | 945 | 1688 | 0.0 |
| 430 | 19019 | 4.0 | 560 | 75325 | 7.4 | 690 | 35615 | 0.0 | 820 | 2612 | 0.0 | 950 | 1560 | 0.0 |
| 435 | 24875 | 6.6 | 565 | 82533 | 5.8 | 695 | 31158 | 0.0 | 825 | 2966 | 0.0 | 955 | 2826 | 0.0 |
| 440 | 29103 | 9.7 | 570 | 90909 | 4.4 | 700 | 27409 | 0.0 | 830 | 2574 | 0.0 | 960 | 1477 | 0.0 |
| 445 | 29901 | 11.8 | 575 | 99621 | 3.3 | 705 | 24204 | 0.0 | 835 | 2633 | 0.0 | 965 | 1568 | 0.0 |
| 450 | 24862 | 11.5 | 580 | 108484 | 2.4 | 710 | 21558 | 0.0 | 840 | 2526 | 0.0 | 970 | 2030 | 0.0 |
| 455 | 15942 | 8.4 | 585 | 116679 | 1.7 | 715 | 19222 | 0.0 | 845 | 2631 | 0.0 | 975 | 1986 | 0.0 |
| 460 | 9916 | 5.8 | 590 | 123752 | 1.2 | 720 | 17310 | 0.0 | 850 | 2079 | 0.0 | 980 | 2540 | 0.0 |
| 465 | 7051 | 4.6 | 595 | 129324 | 0.8 | 725 | 15280 | 0.0 | 855 | 2309 | 0.0 | 985 | 1139 | 0.0 |
| 470 | 5227 | 3.7 | 600 | 134082 | 0.6 | 730 | 13282 | 0.0 | 860 | 2528 | 0.0 | 990 | 2018 | 0.0 |
| 475 | 4257 | 3.3 | 605 | 135698 | 0.4 | 735 | 11753 | 0.0 | 865 | 2121 | 0.0 | 995 | 3445 | 0.0 |
| 480 | 4052 | 3.3 | 610 | 135144 | 0.2 | 740 | 10654 | 0.0 | 870 | 2751 | 0.0 | 1000 | 3704 | 0.0 |
| 485 | 4298 | 3.5 | 615 | 134180 | 0.2 | 745 | 9451 | 0.0 | 875 | 2317 | 0.0 | | | |

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

REPORT NUMBER: SP1-1908-441-10-R4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: 1470.8** **M/P: 0.27**

| 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 | 1768 | 0.0 | 490 | 5206 | 8.0 | 620 | 130919 | 1.6 | 750 | 8553 | 0.0 | 880 | 2713 | 0.0 |
| 365 | 1569 | 0.0 | 495 | 7286 | 11.8 | 625 | 125335 | 1.1 | 755 | 7696 | 0.0 | 885 | 2316 | 0.0 |
| 370 | 1594 | 0.0 | 500 | 10654 | 17.8 | 630 | 118388 | 0.7 | 760 | 6978 | 0.0 | 890 | 2539 | 0.0 |
| 375 | 1744 | 0.0 | 505 | 15189 | 25.8 | 635 | 111855 | 0.4 | 765 | 6377 | 0.0 | 895 | 1933 | 0.0 |
| 380 | 1659 | 0.0 | 510 | 20541 | 34.8 | 640 | 104062 | 0.3 | 770 | 5600 | 0.0 | 900 | 2216 | 0.0 |
| 385 | 1504 | 0.0 | 515 | 26492 | 43.9 | 645 | 96365 | 0.2 | 775 | 5000 | 0.0 | 905 | 2067 | 0.0 |
| 390 | 1541 | 0.0 | 520 | 32294 | 51.3 | 650 | 88651 | 0.1 | 780 | 4709 | 0.0 | 910 | 1959 | 0.0 |
| 395 | 1355 | 0.0 | 525 | 38123 | 57.0 | 655 | 81152 | 0.1 | 785 | 4305 | 0.0 | 915 | 1874 | 0.0 |
| 400 | 1243 | 0.0 | 530 | 43232 | 59.6 | 660 | 73523 | 0.0 | 790 | 4040 | 0.0 | 920 | 1484 | 0.0 |
| 405 | 1417 | 0.0 | 535 | 48012 | 59.8 | 665 | 66123 | 0.0 | 795 | 3642 | 0.0 | 925 | 1914 | 0.0 |
| 410 | 2147 | 0.1 | 540 | 52623 | 58.1 | 670 | 58677 | 0.0 | 800 | 3594 | 0.0 | 930 | 1948 | 0.0 |
| 415 | 3837 | 0.4 | 545 | 57516 | 55.1 | 675 | 52349 | 0.0 | 805 | 3190 | 0.0 | 935 | 2079 | 0.0 |
| 420 | 7159 | 1.2 | 550 | 62613 | 51.2 | 680 | 46159 | 0.0 | 810 | 3241 | 0.0 | 940 | 2263 | 0.0 |
| 425 | 12599 | 3.1 | 555 | 68554 | 46.9 | 685 | 40525 | 0.0 | 815 | 2732 | 0.0 | 945 | 1688 | 0.0 |
| 430 | 19019 | 6.5 | 560 | 75325 | 42.1 | 690 | 35615 | 0.0 | 820 | 2612 | 0.0 | 950 | 1560 | 0.0 |
| 435 | 24875 | 11.1 | 565 | 82533 | 37.0 | 695 | 31158 | 0.0 | 825 | 2966 | 0.0 | 955 | 2826 | 0.0 |
| 440 | 29103 | 16.3 | 570 | 90909 | 32.1 | 700 | 27409 | 0.0 | 830 | 2574 | 0.0 | 960 | 1477 | 0.0 |
| 445 | 29901 | 20.0 | 575 | 99621 | 27.1 | 705 | 24204 | 0.0 | 835 | 2633 | 0.0 | 965 | 1568 | 0.0 |
| 450 | 24862 | 19.3 | 580 | 108484 | 22.4 | 710 | 21558 | 0.0 | 840 | 2526 | 0.0 | 970 | 2030 | 0.0 |
| 455 | 15942 | 13.9 | 585 | 116679 | 17.8 | 715 | 19222 | 0.0 | 845 | 2631 | 0.0 | 975 | 1986 | 0.0 |
| 460 | 9916 | 9.6 | 590 | 123752 | 13.8 | 720 | 17310 | 0.0 | 850 | 2079 | 0.0 | 980 | 2540 | 0.0 |
| 465 | 7051 | 7.4 | 595 | 129324 | 10.3 | 725 | 15280 | 0.0 | 855 | 2309 | 0.0 | 985 | 1139 | 0.0 |
| 470 | 5227 | 6.0 | 600 | 134082 | 7.6 | 730 | 13282 | 0.0 | 860 | 2528 | 0.0 | 990 | 2018 | 0.0 |
| 475 | 4257 | 5.3 | 605 | 135698 | 5.3 | 735 | 11753 | 0.0 | 865 | 2121 | 0.0 | 995 | 3445 | 0.0 |
| 480 | 4052 | 5.5 | 610 | 135144 | 3.7 | 740 | 10654 | 0.0 | 870 | 2751 | 0.0 | 1000 | 3704 | 0.0 |
| 485 | 4298 | 6.2 | 615 | 134180 | 2.5 | 745 | 9451 | 0.0 | 875 | 2317 | 0.0 | | | |

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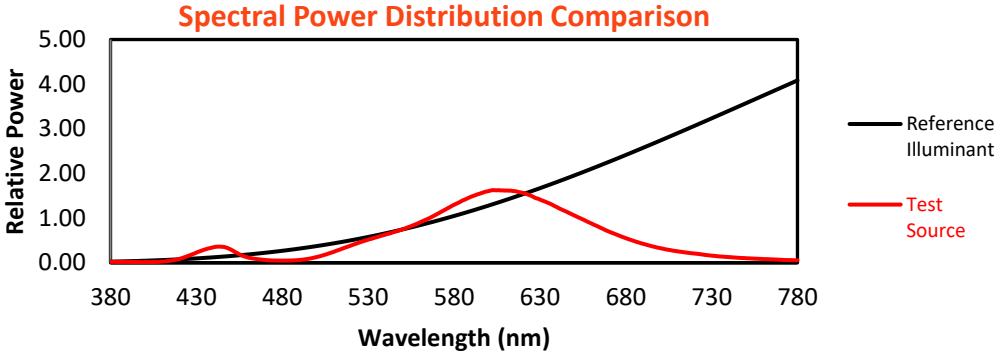
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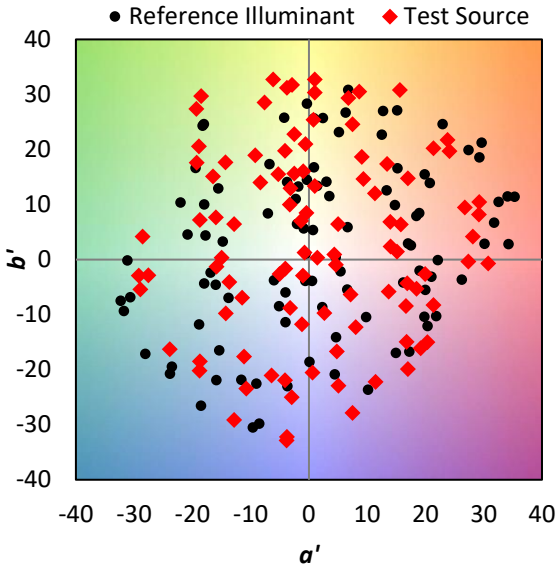
## Summary

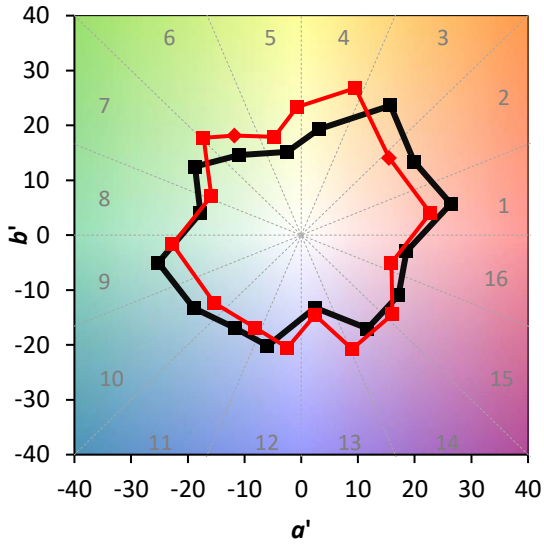
$R_f$ = 69.8
$R_g$ = 99.2
CIE $R_a$ = 72.0
$R_9$ = -17.4

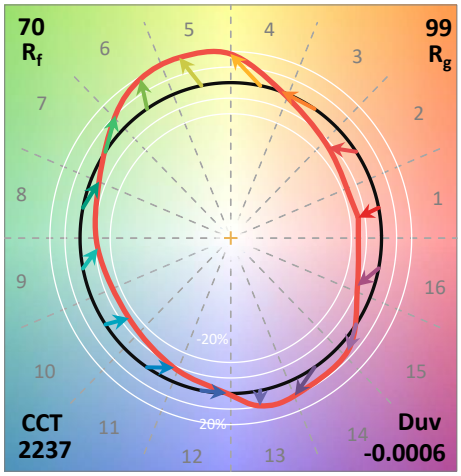
## Spectral Power Distribution Comparison

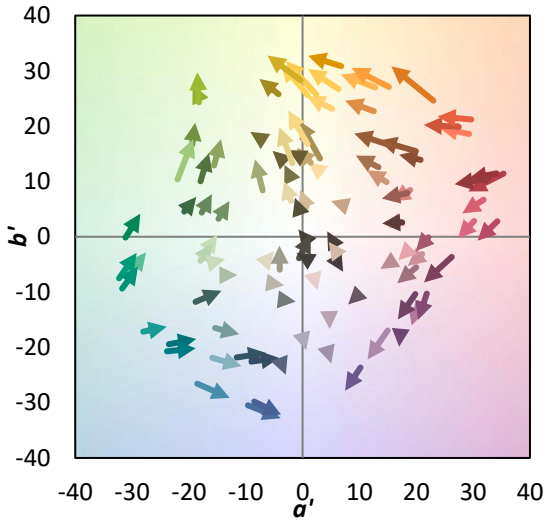



## Color Vector Graphics



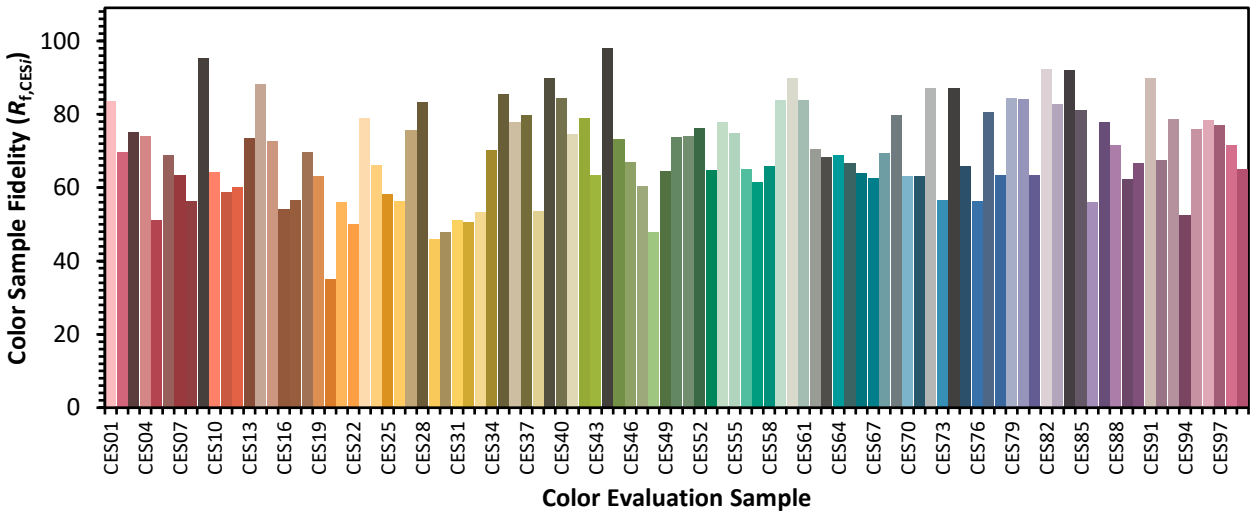
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### Individual Sample Fidelity Index ($R_{f,i}$)

| | | | |
|---|---|---|---|
| CES01 = 87 | CES26 = 56 | CES51 = 74 | CES76 = 56 |
| CES02 = 65 | CES27 = 76 | CES52 = 76 | CES77 = 81 |
| CES03 = 32 | CES28 = 83 | CES53 = 65 | CES78 = 63 |
| CES04 = 72 | CES29 = 46 | CES54 = 78 | CES79 = 84 |
| CES05 = 52 | CES30 = 48 | CES55 = 75 | CES80 = 84 |
| CES06 = 52 | CES31 = 51 | CES56 = 65 | CES81 = 63 |
| CES07 = 44 | CES32 = 51 | CES57 = 62 | CES82 = 92 |
| CES08 = 42 | CES33 = 53 | CES58 = 66 | CES83 = 83 |
| CES09 = 29 | CES34 = 70 | CES59 = 84 | CES84 = 92 |
| CES10 = 78 | CES35 = 85 | CES60 = 90 | CES85 = 81 |
| CES11 = 61 | CES36 = 78 | CES61 = 84 | CES86 = 56 |
| CES12 = 68 | CES37 = 80 | CES62 = 70 | CES87 = 78 |
| CES13 = 45 | CES38 = 53 | CES63 = 68 | CES88 = 72 |
| CES14 = 75 | CES39 = 90 | CES64 = 69 | CES89 = 62 |
| CES15 = 72 | CES40 = 84 | CES65 = 67 | CES90 = 67 |
| CES16 = 49 | CES41 = 75 | CES66 = 64 | CES91 = 90 |
| CES17 = 51 | CES42 = 79 | CES67 = 63 | CES92 = 67 |
| CES18 = 57 | CES43 = 64 | CES68 = 69 | CES93 = 79 |
| CES19 = 74 | CES44 = 98 | CES69 = 80 | CES94 = 52 |
| CES20 = 68 | CES45 = 73 | CES70 = 63 | CES95 = 76 |
| CES21 = 89 | CES46 = 67 | CES71 = 63 | CES96 = 78 |
| CES22 = 81 | CES47 = 60 | CES72 = 87 | CES97 = 77 |
| CES23 = 92 | CES48 = 48 | CES73 = 56 | CES98 = 71 |
| CES24 = 92 | CES49 = 64 | CES74 = 87 | CES99 = 65 |
| CES25 = 74 | CES50 = 74 | CES75 = 66 | |

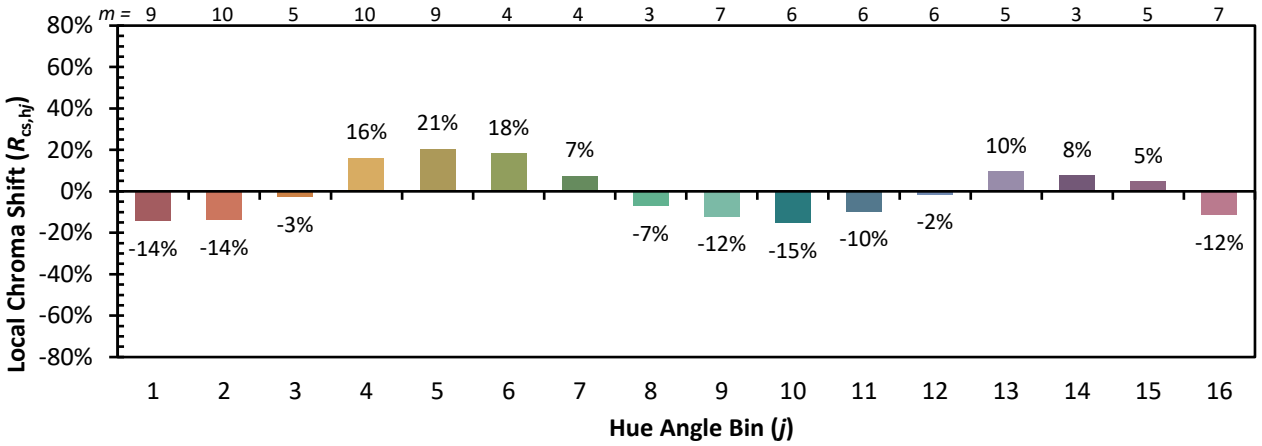


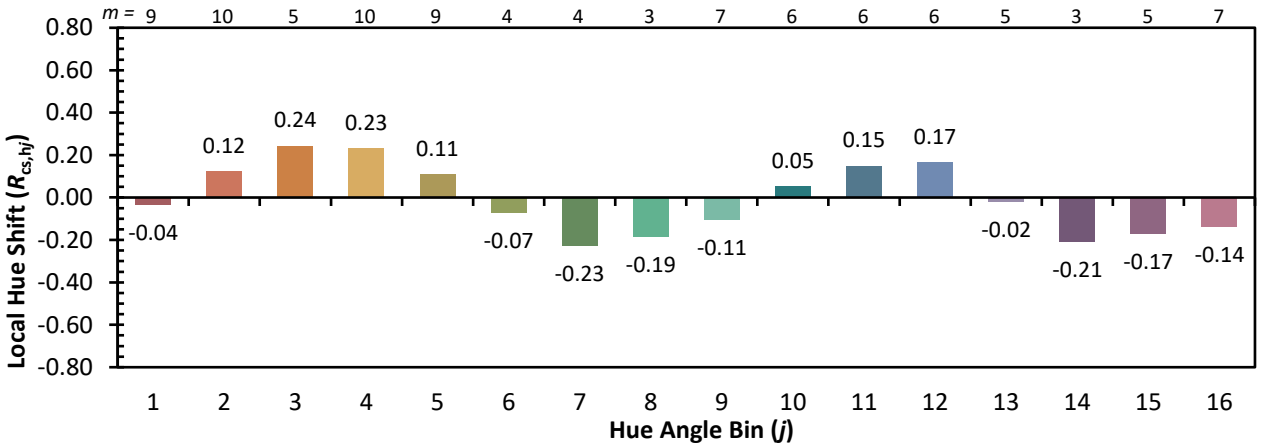
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Peachtree City, GA 30269

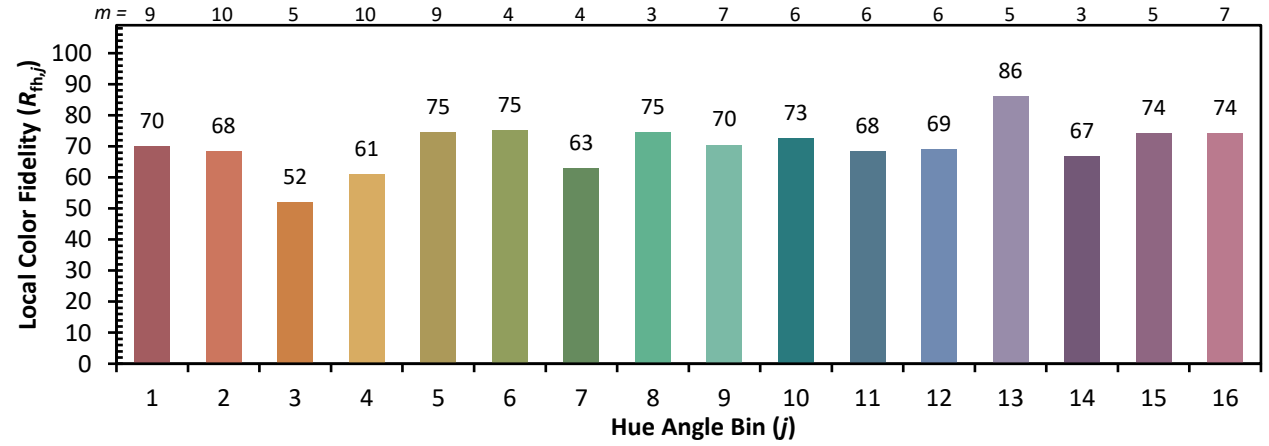
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### Color Rendition by Hue-Angle Bin



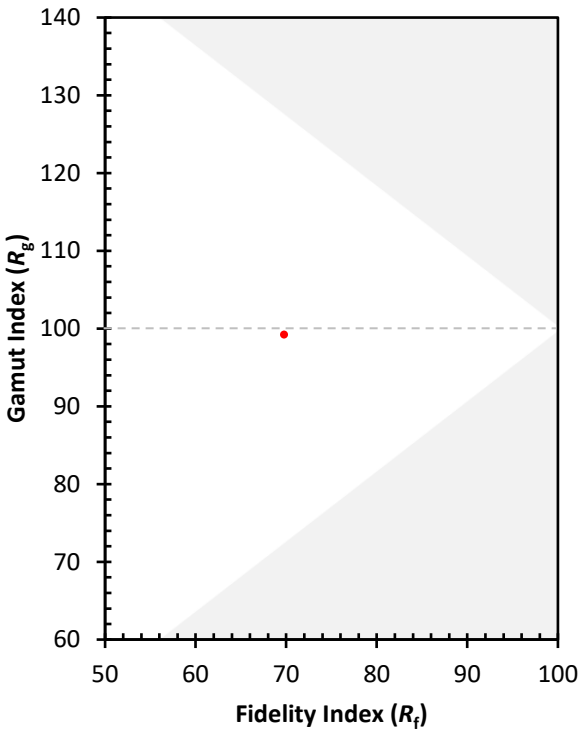



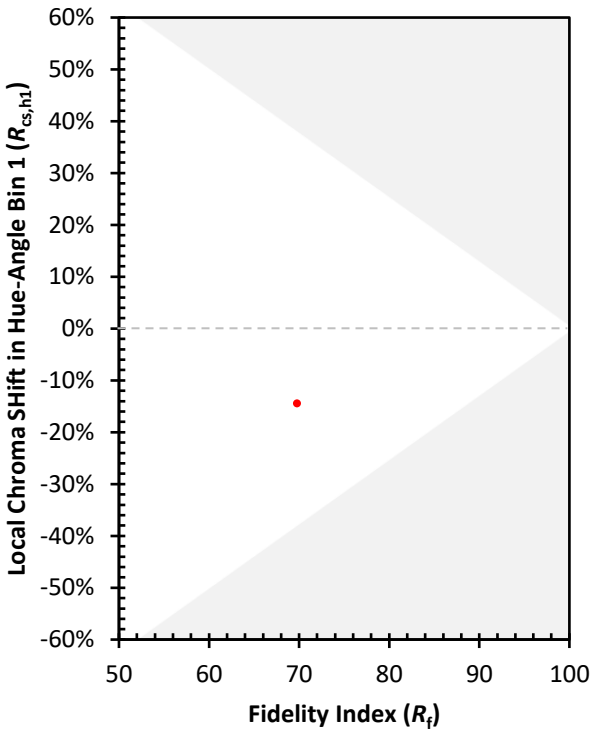
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### Measure Comparisons




(END OF REPORT)