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: P1501614

Luminaire Tested: GSS-SB1B-927-U-T2LG

Issue Date: 07/20/2026

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501614 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1B-927-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 90CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (26) 2700K CCT, 90 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 3110.7 lumens |
| Efficiency: | N/A |
| Efficacy: | 77.8 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B1 - U0 - G1 |

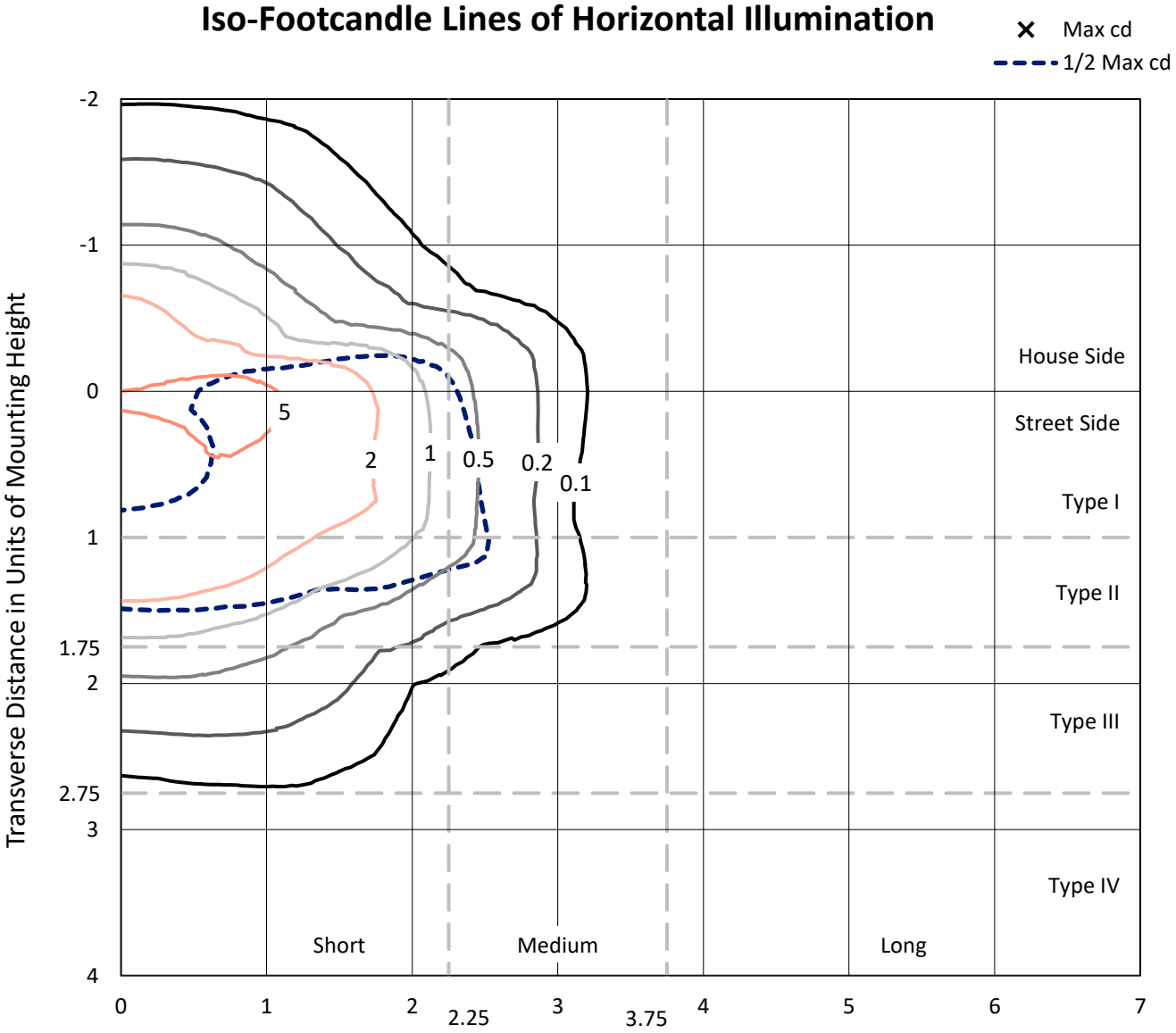
| | |
|---|---|
| Input Watts (W): | 40 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 5.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



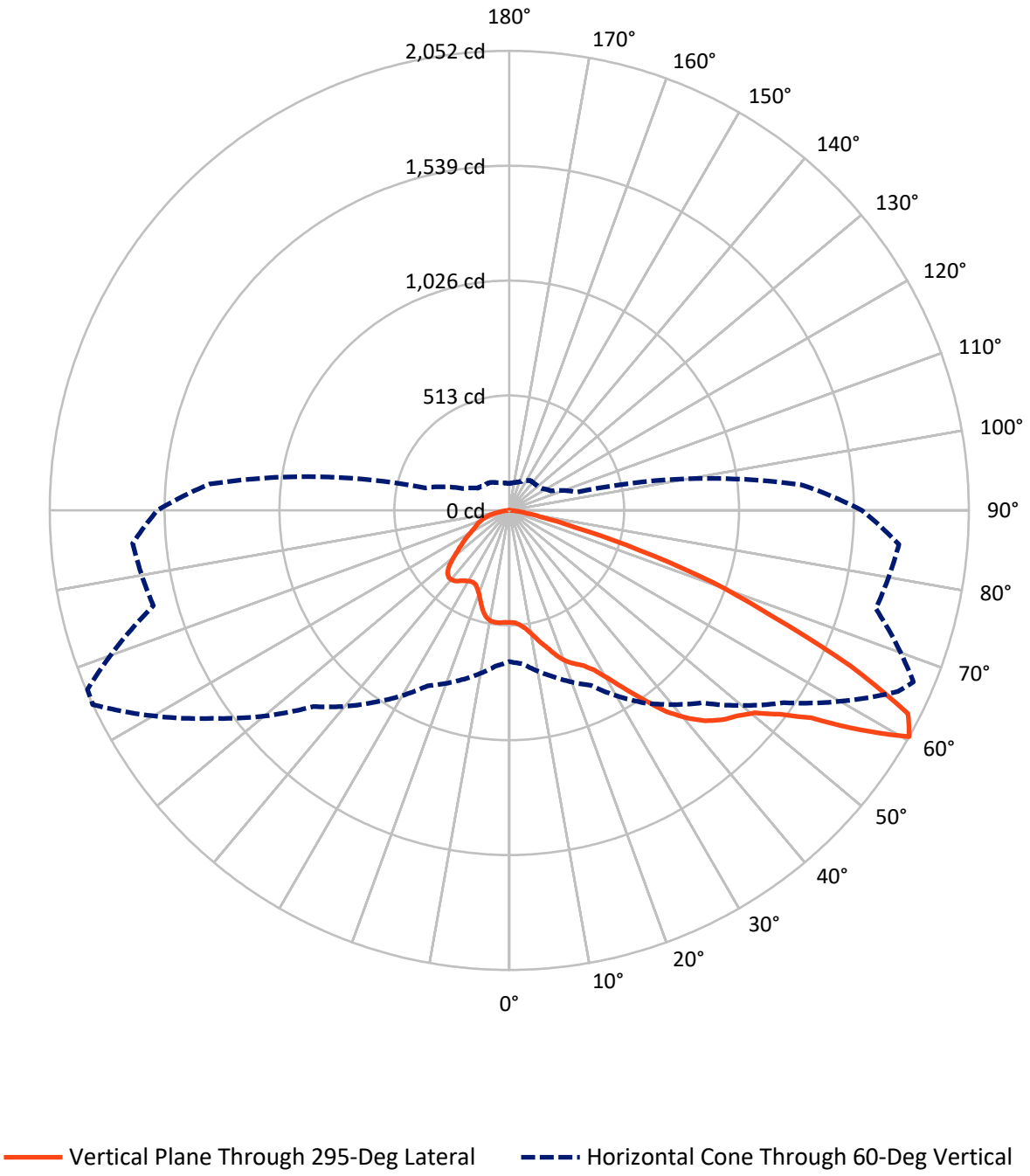

Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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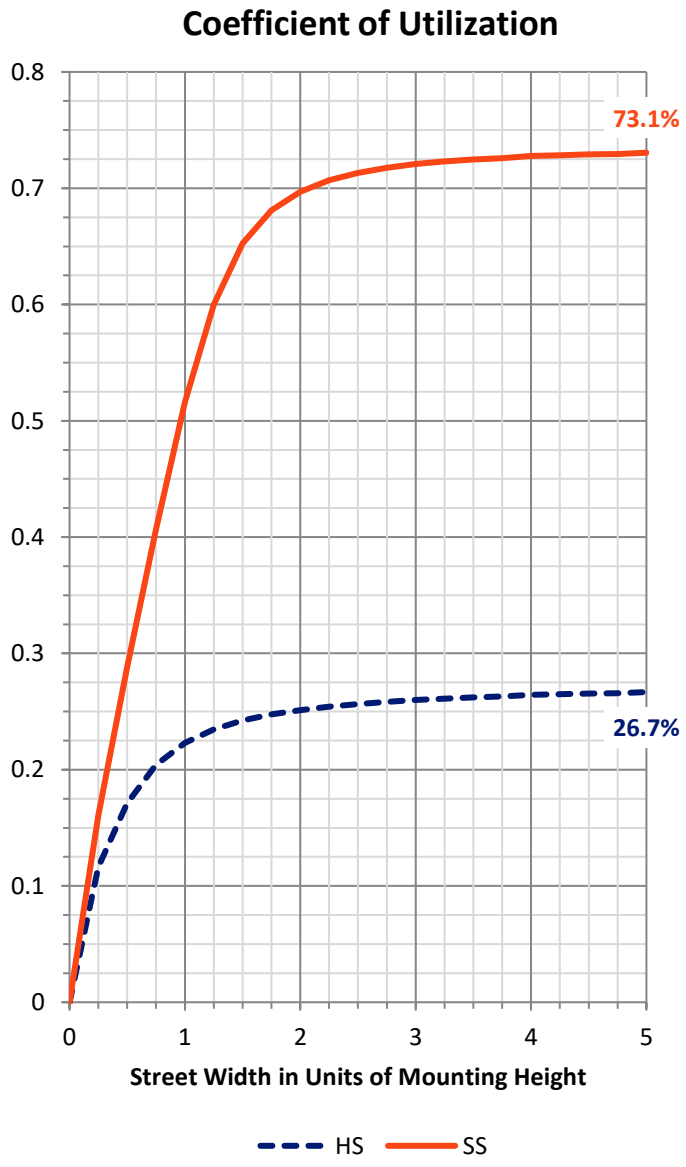
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 836.5 | 0.0 | 836.5 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 2274.2 | 0.0 | 2274.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 3110.7 | 0.0 | 3110.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 47.1 | 1.5 |
| 10°-20° | 135.3 | 4.3 |
| 20°-30° | 256.2 | 8.2 |
| 30°-40° | 451.7 | 14.5 |
| 40°-50° | 668.1 | 21.5 |
| 50°-60° | 784.5 | 25.2 |
| 60°-70° | 568.4 | 18.3 |
| 70°-80° | 175.3 | 5.6 |
| 80°-90° | 24.1 | 0.8 |
| 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° | 3110.7 | 100.0 |
| 0°-180° | 3110.7 | 100.0 |



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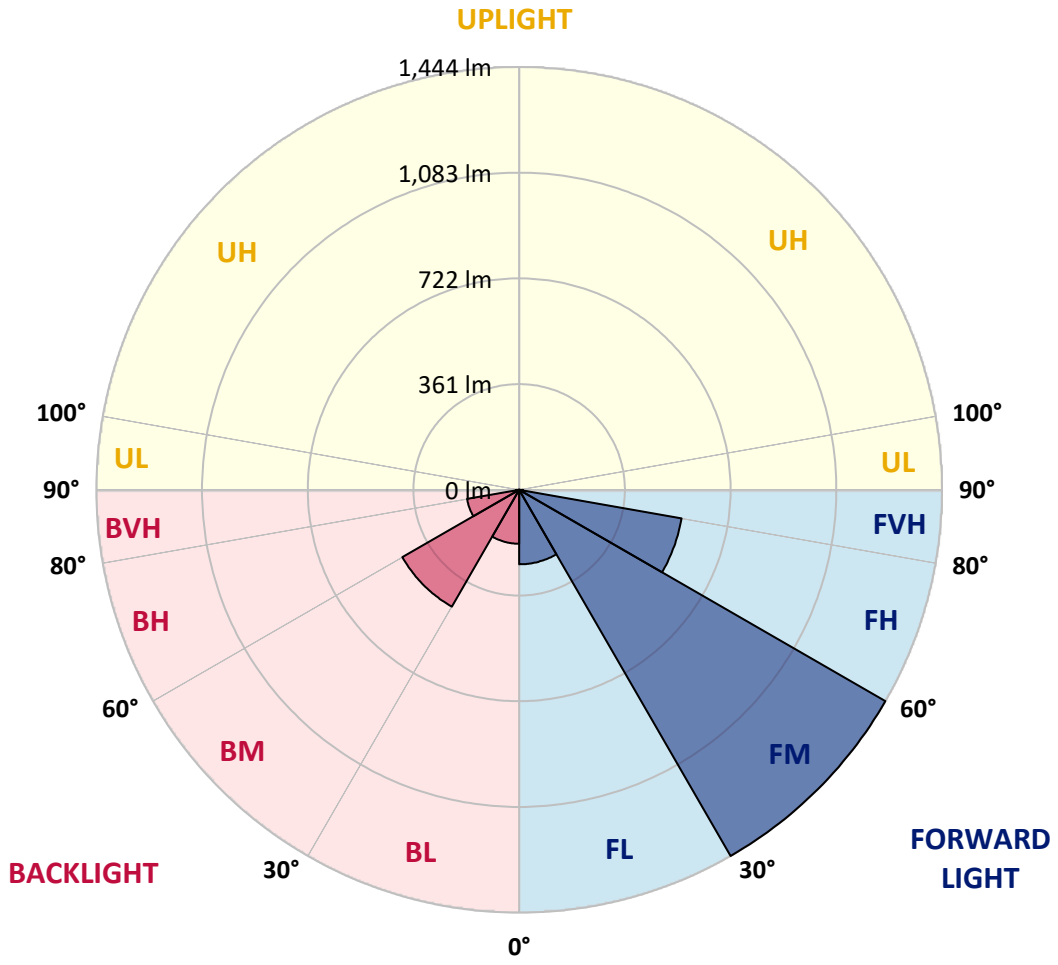
Scaled Data Report

REPORT NUMBER: P1501614
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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°) | 254.3 | 8.2 | | | |
| FM | (30°-60°) | 1443.7 | 46.4 | | | |
| FH | (60°-80°) | 563.1 | 18.1 | | | G0/660 |
| FVH | (80°-90°) | 13.0 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 184.2 | 5.9 | B1/500 | | |
| BM | (30°-60°) | 460.6 | 14.8 | B1/1000 | | |
| BH | (60°-80°) | 180.6 | 5.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 11.1 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G1**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 |
| 2.5° | 510.4 | 511.8 | 509.7 | 511.1 | 511.1 | 509.0 | 508.3 | 505.5 | 506.9 | 506.2 | 505.5 |
| 5° | 522.5 | 523.2 | 521.8 | 523.9 | 523.9 | 524.6 | 523.9 | 520.3 | 520.3 | 520.3 | 518.9 |
| 7.5° | 518.9 | 518.9 | 519.6 | 526.7 | 533.8 | 543.0 | 543.0 | 541.6 | 543.0 | 542.3 | 535.9 |
| 10° | 489.1 | 492.0 | 498.4 | 516.1 | 533.1 | 553.0 | 566.4 | 570.7 | 570.7 | 571.4 | 560.7 |
| 12.5° | 436.0 | 438.1 | 453.0 | 479.9 | 515.4 | 551.5 | 584.1 | 605.4 | 607.5 | 611.1 | 596.9 |
| 15° | 388.5 | 389.9 | 400.5 | 428.2 | 468.6 | 532.4 | 594.1 | 638.0 | 645.1 | 660.0 | 638.7 |
| 17.5° | 392.7 | 392.0 | 394.9 | 405.5 | 434.6 | 501.2 | 591.9 | 676.3 | 689.1 | 715.3 | 696.9 |
| 20° | 418.3 | 418.3 | 420.4 | 422.5 | 433.1 | 478.5 | 576.3 | 707.5 | 732.3 | 783.3 | 762.1 |
| 22.5° | 458.7 | 458.7 | 458.0 | 461.5 | 461.5 | 488.4 | 577.1 | 730.9 | 767.8 | 859.2 | 838.6 |
| 25° | 514.7 | 511.8 | 511.8 | 513.3 | 506.9 | 526.0 | 594.8 | 755.0 | 803.2 | 949.2 | 931.5 |
| 27.5° | 577.8 | 579.9 | 578.5 | 573.5 | 565.0 | 579.9 | 637.3 | 792.6 | 842.9 | 1044.2 | 1037.1 |
| 30° | 646.5 | 647.2 | 648.7 | 645.8 | 638.7 | 649.4 | 703.9 | 849.3 | 895.4 | 1143.5 | 1159.1 |
| 32.5° | 713.9 | 723.8 | 720.3 | 713.2 | 716.0 | 735.1 | 786.2 | 925.8 | 973.3 | 1235.6 | 1290.9 |
| 35° | 799.7 | 803.2 | 817.4 | 791.1 | 791.9 | 824.5 | 891.1 | 1026.5 | 1072.6 | 1331.3 | 1422.8 |
| 37.5° | 924.4 | 930.8 | 924.4 | 883.3 | 876.9 | 922.3 | 993.2 | 1125.8 | 1159.1 | 1403.6 | 1545.4 |
| 40° | 1047.1 | 1054.9 | 1065.5 | 1017.3 | 976.9 | 1014.5 | 1089.6 | 1201.6 | 1236.3 | 1443.3 | 1627.0 |
| 42.5° | 1148.4 | 1161.2 | 1149.9 | 1135.7 | 1098.8 | 1105.9 | 1156.9 | 1260.4 | 1295.2 | 1493.7 | 1709.2 |
| 45° | 1234.2 | 1236.3 | 1241.3 | 1231.4 | 1212.9 | 1206.6 | 1214.4 | 1312.2 | 1350.5 | 1516.4 | 1749.6 |
| 47.5° | 1269.7 | 1278.9 | 1283.1 | 1300.1 | 1319.3 | 1306.5 | 1263.3 | 1336.3 | 1371.0 | 1514.9 | 1762.4 |
| 50° | 1250.5 | 1259.7 | 1282.4 | 1322.8 | 1368.9 | 1391.6 | 1320.7 | 1369.6 | 1408.6 | 1540.5 | 1788.6 |
| 52.5° | 1200.2 | 1210.1 | 1247.0 | 1293.1 | 1370.3 | 1422.1 | 1401.5 | 1439.1 | 1476.7 | 1585.8 | 1832.5 |
| 55° | 1078.3 | 1093.1 | 1144.9 | 1221.5 | 1327.8 | 1405.8 | 1486.6 | 1541.2 | 1582.3 | 1640.4 | 1877.9 |
| 57.5° | 901.0 | 916.6 | 974.8 | 1089.6 | 1249.1 | 1338.4 | 1511.4 | 1732.6 | 1751.0 | 1705.6 | 1882.2 |
| 60° | *674.9* | *687.6* | *769.9* | *862.0* | *1049.2* | *1215.1* | *1497.2* | *1914.1* | *1960.8* | *1694.3* | *1746.8* |
| 62.5° | 534.5 | 550.1 | 623.1 | 665.7 | 799.7 | 1003.8 | 1447.6 | 1964.4 | 2004.8 | 1600.7 | 1558.2 |
| 65° | 417.5 | 428.2 | 496.2 | 557.2 | 589.8 | 685.5 | 1240.6 | 1718.4 | 1754.6 | 1448.3 | 1286.0 |
| 67.5° | 275.8 | 292.1 | 372.9 | 456.5 | 473.6 | 436.0 | 853.5 | 1322.1 | 1339.1 | 1151.3 | 967.0 |
| 70° | 197.8 | 205.6 | 265.8 | 355.2 | 380.7 | 292.1 | 465.0 | 1001.0 | 1005.9 | 772.7 | 651.5 |
| 72.5° | 134.7 | 136.1 | 180.8 | 272.2 | 303.4 | 212.0 | 255.9 | 659.3 | 642.3 | 381.4 | 372.9 |
| 75° | 91.4 | 92.9 | 115.6 | 181.5 | 214.8 | 147.5 | 166.6 | 359.4 | 345.2 | 210.5 | 226.1 |
| 77.5° | 61.7 | 63.1 | 79.4 | 121.9 | 143.2 | 102.1 | 121.9 | 190.0 | 186.4 | 139.7 | 121.2 |
| 80° | 46.8 | 48.9 | 58.8 | 78.0 | 100.0 | 59.5 | 69.5 | 90.0 | 91.4 | 74.4 | 61.7 |
| 82.5° | 26.2 | 29.1 | 35.4 | 39.7 | 64.5 | 33.3 | 33.3 | 53.9 | 51.8 | 46.1 | 33.3 |
| 85° | 11.3 | 12.1 | 14.2 | 14.9 | 26.2 | 14.2 | 12.1 | 23.4 | 24.1 | 22.7 | 10.6 |
| 87.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.8 | 2.8 | 2.8 | 2.8 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 |
| 2.5° | 501.9 | 506.2 | 501.9 | 499.8 | 499.8 | 496.2 | 494.8 | 494.8 | 489.9 | 492.0 | 490.6 |
| 5° | 513.3 | 514.7 | 509.7 | 503.3 | 494.8 | 487.7 | 477.8 | 465.0 | 457.2 | 456.5 | 457.2 |
| 7.5° | 531.0 | 531.7 | 518.2 | 504.0 | 482.8 | 457.2 | 426.8 | 402.0 | 380.0 | 376.4 | 380.7 |
| 10° | 555.8 | 554.4 | 534.5 | 501.2 | 456.5 | 402.7 | 355.9 | 333.2 | 320.4 | 319.7 | 319.0 |
| 12.5° | 589.1 | 579.9 | 549.4 | 489.1 | 411.2 | 348.8 | 324.7 | 323.3 | 326.8 | 329.6 | 330.4 |
| 15° | 627.4 | 615.3 | 561.5 | 465.8 | 365.1 | 328.9 | 330.4 | 342.4 | 346.7 | 349.5 | 349.5 |
| 17.5° | 674.9 | 659.3 | 574.9 | 432.4 | 341.7 | 333.2 | 343.1 | 354.5 | 361.5 | 364.4 | 363.7 |
| 20° | 738.0 | 705.4 | 585.6 | 400.5 | 335.3 | 340.3 | 348.8 | 360.1 | 367.2 | 370.8 | 370.8 |
| 22.5° | 801.1 | 760.7 | 587.7 | 378.6 | 335.3 | 341.0 | 348.8 | 360.1 | 367.9 | 371.5 | 370.8 |
| 25° | 886.8 | 831.6 | 588.4 | 363.0 | 336.0 | 337.4 | 344.5 | 354.5 | 365.8 | 369.3 | 370.8 |
| 27.5° | 978.3 | 909.5 | 591.9 | 359.4 | 333.2 | 332.5 | 337.4 | 346.7 | 358.0 | 367.2 | 367.9 |
| 30° | 1091.7 | 997.4 | 593.4 | 363.0 | 333.9 | 324.7 | 328.2 | 337.4 | 349.5 | 358.7 | 361.5 |
| 32.5° | 1203.0 | 1079.0 | 590.5 | 370.8 | 335.3 | 319.7 | 320.4 | 326.1 | 338.9 | 345.2 | 350.2 |
| 35° | 1320.7 | 1165.4 | 585.6 | 381.4 | 336.0 | 317.6 | 311.2 | 314.0 | 322.6 | 323.3 | 325.4 |
| 37.5° | 1412.9 | 1230.0 | 570.7 | 395.6 | 337.4 | 309.8 | 297.0 | 294.9 | 291.4 | 284.3 | 285.7 |
| 40° | 1488.7 | 1273.2 | 545.9 | 402.7 | 333.9 | 300.6 | 279.3 | 269.4 | 255.9 | 245.3 | 247.4 |
| 42.5° | 1543.3 | 1302.3 | 516.1 | 404.1 | 328.2 | 285.0 | 258.8 | 241.7 | 226.9 | 215.5 | 216.2 |
| 45° | 1567.4 | 1299.4 | 484.2 | 393.4 | 314.8 | 265.8 | 239.6 | 223.3 | 207.0 | 195.0 | 193.5 |
| 47.5° | 1568.1 | 1271.8 | 440.2 | 367.9 | 292.1 | 243.9 | 221.9 | 204.2 | 190.7 | 182.2 | 181.5 |
| 50° | 1573.8 | 1256.2 | 399.1 | 331.1 | 262.3 | 220.5 | 206.3 | 188.6 | 180.8 | 168.7 | 165.2 |
| 52.5° | 1609.2 | 1281.7 | 370.8 | 290.7 | 234.6 | 203.5 | 192.8 | 177.2 | 164.5 | 156.7 | 156.0 |
| 55° | 1666.6 | 1325.7 | 355.2 | 260.2 | 208.4 | 187.2 | 180.1 | 166.6 | 155.3 | 147.5 | 145.3 |
| 57.5° | 1673.7 | 1348.3 | 336.7 | 231.8 | 187.2 | 174.4 | 171.6 | 156.7 | 140.4 | 134.7 | 132.6 |
| 60° | *1574.5* | *1310.1* | *314.0* | *205.6* | *171.6* | *164.5* | *163.0* | *143.2* | *129.7* | *122.6* | *119.8* |
| 62.5° | 1439.1 | 1214.4 | 279.3 | 181.5 | 159.5 | 154.5 | 148.9 | 133.3 | 116.3 | 108.5 | 106.3 |
| 65° | 1176.1 | 1020.8 | 237.5 | 165.2 | 147.5 | 141.8 | 140.4 | 119.1 | 107.8 | 103.5 | 102.8 |
| 67.5° | 891.1 | 820.2 | 209.1 | 153.1 | 134.7 | 132.6 | 127.6 | 120.5 | 115.6 | 110.6 | 109.2 |
| 70° | 630.2 | 591.9 | 177.9 | 137.5 | 121.9 | 118.4 | 138.9 | 131.1 | 113.4 | 107.0 | 106.3 |
| 72.5° | 382.1 | 371.5 | 153.8 | 123.4 | 104.9 | 110.6 | 128.3 | 118.4 | 102.1 | 94.3 | 91.4 |
| 75° | 241.0 | 220.5 | 129.0 | 104.9 | 83.7 | 90.0 | 112.0 | 105.6 | 87.9 | 80.1 | 78.0 |
| 77.5° | 131.1 | 121.9 | 97.1 | 85.8 | 65.9 | 73.0 | 97.8 | 87.2 | 70.2 | 76.6 | 68.1 |
| 80° | 57.4 | 63.8 | 64.5 | 49.6 | 44.0 | 53.9 | 70.2 | 68.1 | 53.9 | 54.6 | 45.4 |
| 82.5° | 27.6 | 36.2 | 41.8 | 34.0 | 24.8 | 31.9 | 46.8 | 39.0 | 36.2 | 34.0 | 32.6 |
| 85° | 8.5 | 13.5 | 18.4 | 16.3 | 11.3 | 13.5 | 22.0 | 21.3 | 25.5 | 22.0 | 20.6 |
| 87.5° | 2.8 | 2.8 | 2.1 | 2.1 | 2.1 | 2.8 | 3.5 | 2.1 | 0.7 | 0.7 | 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):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 |
| 2.5° | 489.9 | 490.6 | 490.6 | 491.3 | 491.3 | 493.4 | 496.2 | 499.1 | 496.9 | 499.8 | 500.5 |
| 5° | 455.8 | 459.4 | 462.2 | 472.8 | 481.4 | 488.4 | 496.2 | 503.3 | 505.5 | 506.9 | 510.4 |
| 7.5° | 375.7 | 385.6 | 404.1 | 428.2 | 455.1 | 481.4 | 499.1 | 517.5 | 520.3 | 523.9 | 528.8 |
| 10° | 319.7 | 324.0 | 336.7 | 361.5 | 409.8 | 461.5 | 504.7 | 533.8 | 545.9 | 553.0 | 557.9 |
| 12.5° | 328.9 | 326.1 | 324.0 | 327.5 | 358.7 | 425.3 | 501.2 | 557.2 | 579.9 | 587.7 | 594.1 |
| 15° | 350.9 | 348.1 | 340.3 | 330.4 | 333.9 | 387.1 | 489.1 | 579.2 | 615.3 | 628.1 | 641.6 |
| 17.5° | 363.7 | 360.8 | 354.5 | 343.8 | 334.6 | 355.2 | 466.5 | 599.0 | 671.3 | 686.9 | 706.1 |
| 20° | 370.8 | 367.9 | 361.5 | 350.9 | 340.3 | 343.1 | 437.4 | 623.8 | 735.1 | 760.0 | 788.3 |
| 22.5° | 372.2 | 368.6 | 361.5 | 350.9 | 344.5 | 342.4 | 409.8 | 638.7 | 803.9 | 842.2 | 874.8 |
| 25° | 371.5 | 365.1 | 355.9 | 348.1 | 344.5 | 343.8 | 390.6 | 647.2 | 878.3 | 939.3 | 976.2 |
| 27.5° | 366.5 | 358.7 | 349.5 | 343.8 | 342.4 | 346.7 | 382.1 | 657.2 | 965.5 | 1043.5 | 1102.4 |
| 30° | 360.8 | 349.5 | 338.2 | 336.0 | 339.6 | 353.0 | 389.2 | 660.7 | 1057.0 | 1156.9 | 1217.2 |
| 32.5° | 345.9 | 337.4 | 326.1 | 325.4 | 333.9 | 358.0 | 405.5 | 655.7 | 1137.8 | 1270.4 | 1346.2 |
| 35° | 324.7 | 319.7 | 313.3 | 315.5 | 328.9 | 362.3 | 416.8 | 640.1 | 1211.5 | 1376.0 | 1464.6 |
| 37.5° | 287.1 | 290.7 | 294.2 | 299.2 | 316.2 | 361.5 | 421.8 | 615.3 | 1272.5 | 1460.4 | 1573.8 |
| 40° | 245.3 | 257.3 | 268.7 | 281.4 | 304.1 | 355.9 | 423.2 | 584.9 | 1307.9 | 1524.2 | 1670.9 |
| 42.5° | 219.1 | 230.4 | 244.6 | 263.0 | 287.8 | 343.1 | 421.8 | 550.8 | 1319.3 | 1568.1 | 1732.6 |
| 45° | 195.0 | 208.4 | 226.1 | 245.3 | 273.6 | 324.7 | 409.0 | 514.0 | 1325.0 | 1588.7 | 1758.8 |
| 47.5° | 182.2 | 190.0 | 206.3 | 225.4 | 255.2 | 302.0 | 384.2 | 487.0 | 1316.4 | 1592.9 | 1790.7 |
| 50° | 167.3 | 177.9 | 188.6 | 207.0 | 236.1 | 273.6 | 354.5 | 471.4 | 1330.6 | 1634.7 | 1841.0 |
| 52.5° | 156.0 | 161.6 | 173.0 | 190.0 | 211.3 | 247.4 | 326.1 | 458.7 | 1369.6 | 1677.3 | 1893.5 |
| 55° | 147.5 | 153.8 | 160.9 | 175.1 | 191.4 | 221.2 | 297.0 | 439.5 | 1415.0 | 1722.7 | 1946.0 |
| 57.5° | 134.0 | 138.2 | 148.2 | 163.0 | 173.7 | 195.7 | 263.0 | 416.8 | 1411.4 | 1687.2 | 1855.2 |
| 60° | *121.9* | *126.2* | *136.8* | *151.7* | *158.1* | *173.0* | *229.7* | *387.8* | *1343.4* | *1571.7* | *1687.9* |
| 62.5° | 108.5 | 113.4 | 126.2 | 136.8 | 142.5 | 153.8 | 195.0 | 334.6 | 1201.6 | 1398.0 | 1492.3 |
| 65° | 102.8 | 105.6 | 114.1 | 126.9 | 126.2 | 136.8 | 164.5 | 263.0 | 967.0 | 1068.3 | 1154.1 |
| 67.5° | 109.2 | 113.4 | 112.0 | 115.6 | 113.4 | 119.1 | 147.5 | 211.3 | 760.0 | 804.6 | 854.2 |
| 70° | 107.8 | 117.7 | 122.6 | 115.6 | 99.2 | 105.6 | 127.6 | 168.7 | 543.7 | 539.5 | 537.4 |
| 72.5° | 94.3 | 104.2 | 118.4 | 125.5 | 97.1 | 87.9 | 110.6 | 146.0 | 348.8 | 347.4 | 314.0 |
| 75° | 80.1 | 87.2 | 104.2 | 113.4 | 83.7 | 70.9 | 95.0 | 124.1 | 208.4 | 211.3 | 188.6 |
| 77.5° | 73.7 | 70.2 | 87.2 | 100.0 | 68.1 | 54.6 | 76.6 | 93.6 | 114.8 | 116.3 | 107.8 |
| 80° | 53.2 | 51.0 | 65.2 | 73.0 | 51.8 | 39.0 | 43.2 | 58.1 | 61.7 | 55.3 | 57.4 |
| 82.5° | 34.0 | 34.7 | 39.0 | 46.8 | 31.9 | 21.3 | 29.8 | 39.0 | 33.3 | 26.9 | 31.9 |
| 85° | 22.0 | 24.8 | 20.6 | 24.1 | 9.9 | 9.9 | 12.8 | 17.0 | 11.3 | 7.8 | 8.5 |
| 87.5° | 0.0 | 0.0 | 1.4 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |

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

Scaled Data Report

REPORT NUMBER: P1501614
CATALOG NUMBER: GSS-SB1B-927-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 500.5 | 500.5 | *500.5* | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 | 500.5 |
| 2.5° | 502.6 | 501.9 | *501.9* | 503.3 | 506.9 | 508.3 | 510.4 | 509.7 | 511.8 | 510.4 |
| 5° | 512.5 | 513.3 | *515.4* | 516.1 | 518.2 | 521.0 | 521.8 | 521.0 | 522.5 | 522.5 |
| 7.5° | 532.4 | 535.2 | *533.8* | 537.4 | 534.5 | 531.0 | 525.3 | 521.0 | 517.5 | 518.9 |
| 10° | 565.7 | 564.3 | *563.6* | 557.2 | 544.4 | 526.0 | 511.1 | 494.8 | 492.0 | 489.1 |
| 12.5° | 602.6 | 601.2 | *601.2* | 579.2 | 543.0 | 504.7 | 470.7 | 445.2 | 436.7 | 436.0 |
| 15° | 654.3 | 645.1 | *636.6* | 590.5 | 518.2 | 453.0 | 413.3 | 393.4 | 388.5 | 388.5 |
| 17.5° | 718.8 | 694.7 | *680.6* | 582.0 | 477.8 | 419.0 | 395.6 | 390.6 | 389.2 | 392.7 |
| 20° | 798.9 | 738.0 | *717.4* | 562.9 | 462.9 | 423.2 | 411.9 | 412.6 | 413.3 | 418.3 |
| 22.5° | 886.8 | 777.7 | *743.6* | 562.9 | 477.8 | 450.2 | 444.5 | 452.3 | 454.4 | 458.7 |
| 25° | 984.7 | 813.1 | *767.0* | 592.6 | 521.8 | 501.2 | 494.1 | 501.9 | 507.6 | 514.7 |
| 27.5° | 1094.6 | 850.0 | *807.4* | 646.5 | 578.5 | 565.7 | 557.9 | 561.5 | 569.3 | 577.8 |
| 30° | 1193.1 | 911.7 | *869.1* | 728.8 | 655.7 | 640.1 | 626.7 | 632.3 | 640.9 | 646.5 |
| 32.5° | 1280.3 | 986.8 | *950.6* | 815.2 | 744.4 | 717.4 | 702.5 | 701.1 | 718.1 | 713.9 |
| 35° | 1360.4 | 1075.4 | *1040.7* | 913.8 | 834.4 | 801.1 | 781.2 | 806.7 | 795.4 | 799.7 |
| 37.5° | 1423.5 | 1167.6 | *1139.9* | 1008.1 | 928.0 | 882.6 | 870.5 | 901.7 | 919.5 | 924.4 |
| 40° | 1475.2 | 1247.7 | *1218.6* | 1101.6 | 1013.7 | 980.4 | 999.6 | 1051.3 | 1049.2 | 1047.1 |
| 42.5° | 1514.9 | 1316.4 | *1284.5* | 1172.5 | 1096.0 | 1102.4 | 1117.2 | 1152.0 | 1160.5 | 1148.4 |
| 45° | 1532.7 | 1359.7 | *1334.2* | 1228.5 | 1189.6 | 1226.4 | 1232.8 | 1247.7 | 1242.0 | 1234.2 |
| 47.5° | 1553.2 | 1398.0 | *1371.0* | 1279.6 | 1290.9 | 1327.1 | 1314.3 | 1302.3 | 1281.7 | 1269.7 |
| 50° | 1588.0 | 1443.3 | *1420.7* | 1354.0 | 1395.1 | 1383.1 | 1333.5 | 1306.5 | 1264.7 | 1250.5 |
| 52.5° | 1653.9 | 1529.1 | *1512.1* | 1471.7 | 1444.1 | 1374.6 | 1314.3 | 1266.1 | 1219.3 | 1200.2 |
| 55° | 1712.7 | 1645.4 | *1635.5* | 1581.6 | 1429.2 | 1329.9 | 1249.1 | 1174.7 | 1094.6 | 1078.3 |
| 57.5° | 1746.8 | 1838.2 | *1849.5* | 1628.4 | 1361.1 | 1228.5 | 1109.4 | 990.3 | 914.5 | 901.0 |
| 60° | *1645.4* | *2046.6* | *2052.3* | *1619.2* | *1238.5* | *1045.6* | *864.2* | *779.8* | *698.3* | *674.9* |
| 62.5° | 1505.7 | 2003.4 | *1998.4* | 1563.9 | 986.1 | 762.8 | 656.5 | 616.8 | 553.7 | 534.5 |
| 65° | 1294.5 | 1668.8 | *1674.4* | 1351.2 | 655.7 | 551.5 | 551.5 | 501.2 | 431.0 | 417.5 |
| 67.5° | 1054.9 | 1286.7 | *1273.9* | 876.2 | 402.7 | 441.7 | 462.9 | 390.6 | 292.1 | 275.8 |
| 70° | 685.5 | 982.6 | *964.8* | 505.5 | 253.1 | 367.9 | 364.4 | 293.5 | 209.1 | 197.8 |
| 72.5° | 294.9 | 567.8 | *604.0* | 258.0 | 190.7 | 296.3 | 290.7 | 205.6 | 139.7 | 134.7 |
| 75° | 177.9 | 285.7 | *311.2* | 164.5 | 138.9 | 223.3 | 201.3 | 130.4 | 95.0 | 91.4 |
| 77.5° | 112.7 | 156.7 | *155.3* | 123.4 | 104.2 | 151.0 | 135.4 | 90.0 | 64.5 | 61.7 |
| 80° | 65.2 | 77.3 | *80.1* | 77.3 | 70.2 | 107.8 | 86.5 | 65.2 | 50.3 | 46.8 |
| 82.5° | 41.8 | 48.2 | *48.9* | 37.6 | 39.0 | 69.5 | 46.8 | 38.3 | 29.1 | 26.2 |
| 85° | 18.4 | 20.6 | *19.8* | 12.8 | 12.8 | 28.4 | 16.3 | 15.6 | 11.3 | 11.3 |
| 87.5° | 0.7 | 1.4 | *0.7* | 0.7 | 0.7 | 2.8 | 1.4 | 2.1 | 2.1 | 2.1 |
| 90° | 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

# LM-79-08: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

McGRAW-EDISON

Report Number: SP1-2106-271-1

Luminaire Tested: GFLD-SA1-A-927-U-WR-X-BK

Test Date: 06/16/2021

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.09

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

## Test Information

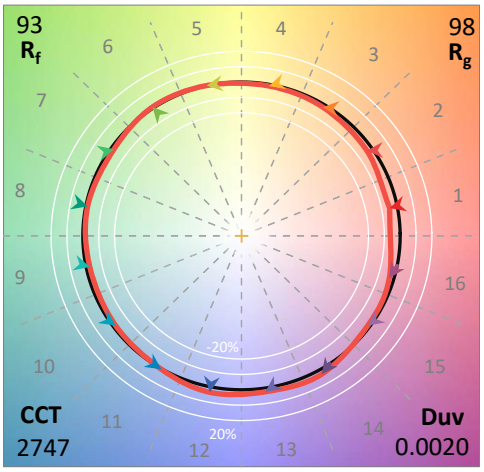
| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | SP1-2106-271-1 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 |
| Measurement Geometry: | 4π |
| Issue Date: | 06/16/2021 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | **GFLD-SA1-A-927-U-WR-X-BK** |
| Description: | MCGRAW EDISON |

N6, BLACK

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 2747 | CRI (Ra): | 92.5 | | |
| CIE u': | 0.2598 | R1: | 92.3 | R9: | 58.3 |
| CIE v': | 0.5293 | R2: | 95.5 | R10: | 88.5 |
| Duv: | 0.0020 | R3: | 97.5 | R11: | 93.7 |
| CIE x: | 0.4594 | R4: | 93.1 | R12: | 84.9 |
| CIE y: | 0.4160 | R5: | 91.8 | R13: | 93.0 |
| CIE z: | 0.1246 | R6: | 95.1 | R14: | 97.8 |
| Peak Wavelength (nm): | 624 | R7: | 92.9 | | |
| Dominant Wavelength (nm): | 583 | R8: | 81.7 | | |
| Purity: | 63 | | | | |

| | |
|---|---|
| Rf: | 93.1 |
| Rg: | 98.2 |




## Test Conditions

| | |
|---|---|
| Stabilization Time: | 198M |
| Operation Time: | 12H |
| Room Temperature (°C) / RH%: | 24.3/43% |
| Sphere Temperature (°C): | 24.2 |

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

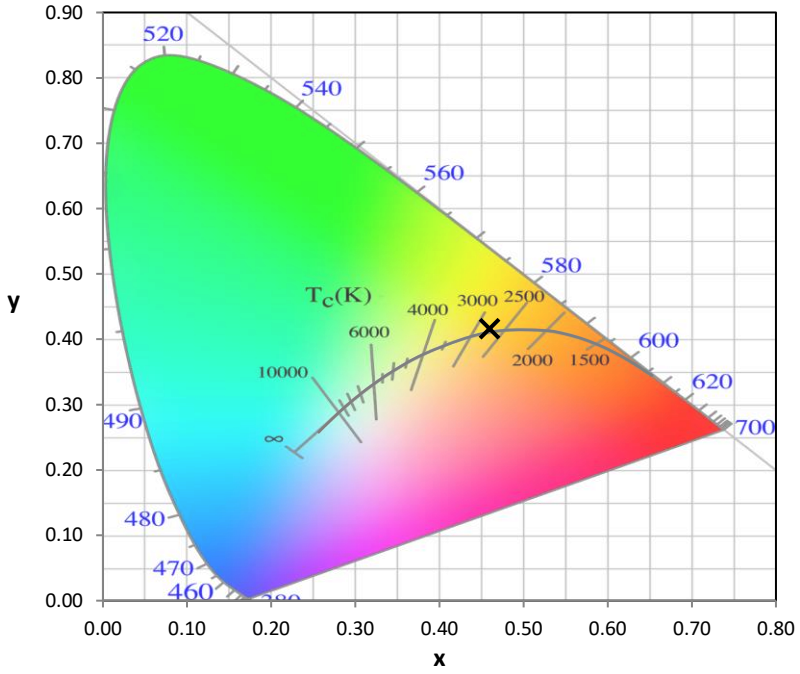
REPORT NUMBER: SP1-2106-271-1

| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | 76INCH SPHERE IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | XITRON 2801 IN0071 | 12/1/2020 | 12/1/2021 |
| AC Power Source | CHROMA 61603 IN0063 | 12/1/2020 | 12/1/2021 |
| DC Power Source | AGILENT E3634A IN0208 | 12/1/2020 | 12/1/2021 |
| Sphere Thermometer | ONSET IN0085 | 12/1/2020 | 12/1/2021 |
| Room Thermometer | ONSET IN0046 | 12/1/2020 | 12/1/2021 |

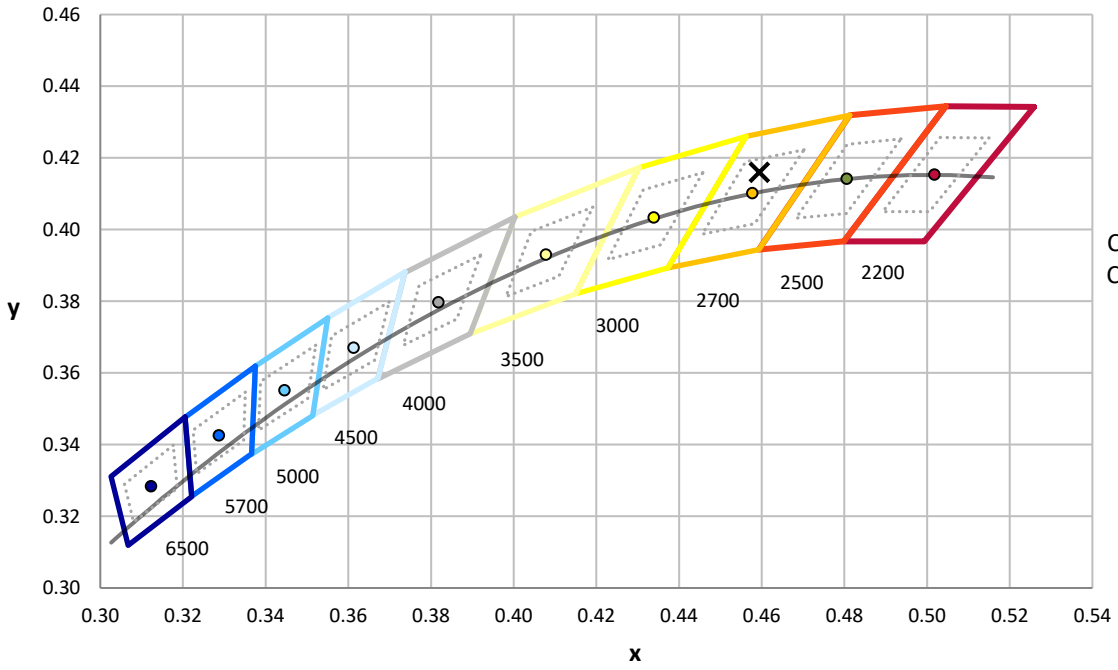
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2106-271-1

## CIE 1931 Chromaticity Diagram




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



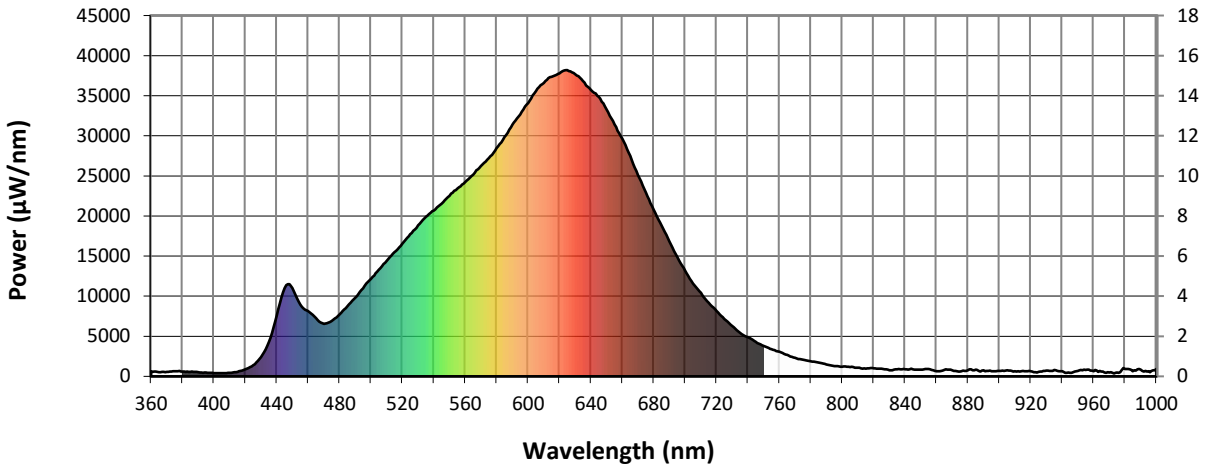

CCT = 2747K
CIE x = 0.4594
CIE y = 0.4160
Duv = 0.0020

Point lies inside the ANSI 2700K 4-step quadrangle

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

REPORT NUMBER: SP1-2106-271-1

## Photopic Flux vs. Wavelength



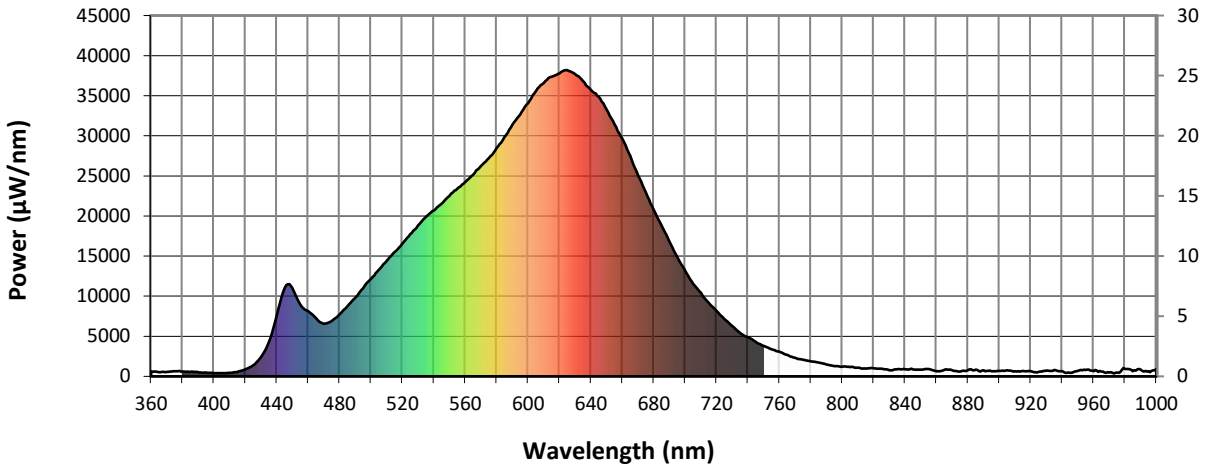

######

| 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 | 649 | NR | 490 | 9819 | NR | 620 | 37806 | NR | 750 | 3792 | NR | 880 | 778 | NR |
| 365 | 535 | NR | 495 | 10995 | NR | 625 | 38173 | NR | 755 | 3383 | NR | 885 | 829 | NR |
| 370 | 546 | NR | 500 | 12186 | NR | 630 | 37677 | NR | 760 | 3071 | NR | 890 | 745 | NR |
| 375 | 624 | NR | 505 | 13274 | NR | 635 | 36852 | NR | 765 | 2656 | NR | 895 | 648 | NR |
| 380 | 611 | NR | 510 | 14396 | NR | 640 | 35711 | NR | 770 | 2297 | NR | 900 | 661 | NR |
| 385 | 569 | NR | 515 | 15467 | NR | 645 | 34820 | NR | 775 | 2076 | NR | 905 | 740 | NR |
| 390 | 512 | NR | 520 | 16543 | NR | 650 | 33278 | NR | 780 | 1860 | NR | 910 | 635 | NR |
| 395 | 465 | NR | 525 | 17716 | NR | 655 | 31397 | NR | 785 | 1717 | NR | 915 | 683 | NR |
| 400 | 418 | NR | 530 | 18837 | NR | 660 | 29663 | NR | 790 | 1494 | NR | 920 | 620 | NR |
| 405 | 411 | NR | 535 | 19916 | NR | 665 | 27479 | NR | 795 | 1276 | NR | 925 | 580 | NR |
| 410 | 439 | NR | 540 | 20679 | NR | 670 | 25115 | NR | 800 | 1183 | NR | 930 | 717 | NR |
| 415 | 565 | NR | 545 | 21563 | NR | 675 | 22916 | NR | 805 | 1161 | NR | 935 | 780 | NR |
| 420 | 866 | NR | 550 | 22521 | NR | 680 | 20799 | NR | 810 | 1065 | NR | 940 | 630 | NR |
| 425 | 1393 | NR | 555 | 23411 | NR | 685 | 18810 | NR | 815 | 970 | NR | 945 | 433 | NR |
| 430 | 2399 | NR | 560 | 24238 | NR | 690 | 16831 | NR | 820 | 1013 | NR | 950 | 676 | NR |
| 435 | 4305 | NR | 565 | 25148 | NR | 695 | 14867 | NR | 825 | 970 | NR | 955 | 802 | NR |
| 440 | 7544 | NR | 570 | 26216 | NR | 700 | 13210 | NR | 830 | 769 | NR | 960 | 645 | NR |
| 445 | 11003 | NR | 575 | 27219 | NR | 705 | 11593 | NR | 835 | 894 | NR | 965 | 620 | NR |
| 450 | 11015 | NR | 580 | 28466 | NR | 710 | 10403 | NR | 840 | 893 | NR | 970 | 474 | NR |
| 455 | 8956 | NR | 585 | 29834 | NR | 715 | 9162 | NR | 845 | 864 | NR | 975 | 478 | NR |
| 460 | 8133 | NR | 590 | 31413 | NR | 720 | 8146 | NR | 850 | 828 | NR | 980 | 905 | NR |
| 465 | 7252 | NR | 595 | 32655 | NR | 725 | 7155 | NR | 855 | 921 | NR | 985 | 639 | NR |
| 470 | 6556 | NR | 600 | 34084 | NR | 730 | 6272 | NR | 860 | 633 | NR | 990 | 838 | NR |
| 475 | 6915 | NR | 605 | 35555 | NR | 735 | 5418 | NR | 865 | 816 | NR | 995 | 621 | NR |
| 480 | 7734 | NR | 610 | 36593 | NR | 740 | 4870 | NR | 870 | 767 | NR | 1000 | 903 | NR |
| 485 | 8748 | NR | 615 | 37350 | NR | 745 | 4295 | NR | 875 | 601 | NR | | | |

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

REPORT NUMBER: SP1-2106-271-1

## Scotopic Flux vs. Wavelength



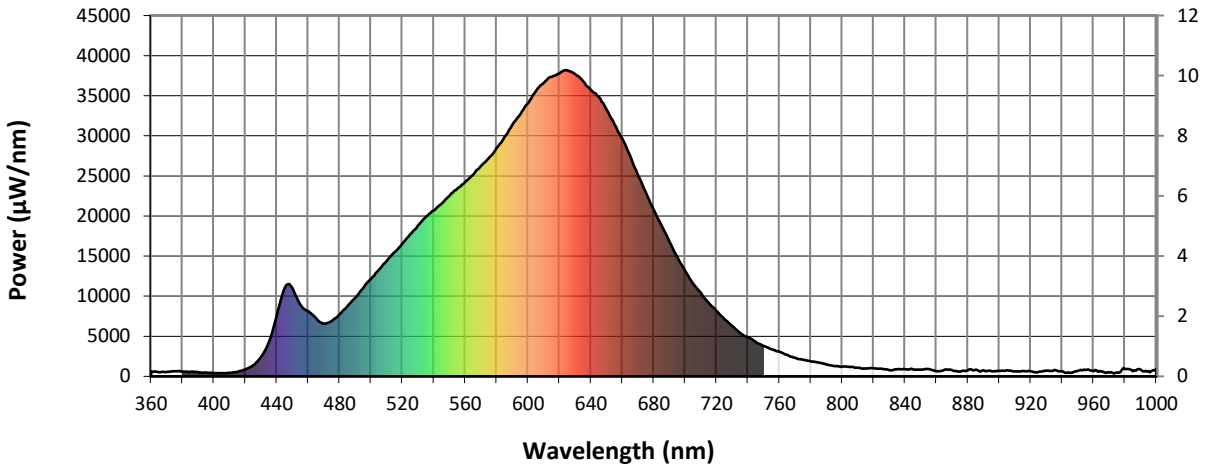

**Scotopic Lumens: 2290.1** **S/P: 1.28**

| 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 | 649 | NR | 490 | 9819 | NR | 620 | 37806 | NR | 750 | 3792 | NR | 880 | 778 | NR |
| 365 | 535 | NR | 495 | 10995 | NR | 625 | 38173 | NR | 755 | 3383 | NR | 885 | 829 | NR |
| 370 | 546 | NR | 500 | 12186 | NR | 630 | 37677 | NR | 760 | 3071 | NR | 890 | 745 | NR |
| 375 | 624 | NR | 505 | 13274 | NR | 635 | 36852 | NR | 765 | 2656 | NR | 895 | 648 | NR |
| 380 | 611 | NR | 510 | 14396 | NR | 640 | 35711 | NR | 770 | 2297 | NR | 900 | 661 | NR |
| 385 | 569 | NR | 515 | 15467 | NR | 645 | 34820 | NR | 775 | 2076 | NR | 905 | 740 | NR |
| 390 | 512 | NR | 520 | 16543 | NR | 650 | 33278 | NR | 780 | 1860 | NR | 910 | 635 | NR |
| 395 | 465 | NR | 525 | 17716 | NR | 655 | 31397 | NR | 785 | 1717 | NR | 915 | 683 | NR |
| 400 | 418 | NR | 530 | 18837 | NR | 660 | 29663 | NR | 790 | 1494 | NR | 920 | 620 | NR |
| 405 | 411 | NR | 535 | 19916 | NR | 665 | 27479 | NR | 795 | 1276 | NR | 925 | 580 | NR |
| 410 | 439 | NR | 540 | 20679 | NR | 670 | 25115 | NR | 800 | 1183 | NR | 930 | 717 | NR |
| 415 | 565 | NR | 545 | 21563 | NR | 675 | 22916 | NR | 805 | 1161 | NR | 935 | 780 | NR |
| 420 | 866 | NR | 550 | 22521 | NR | 680 | 20799 | NR | 810 | 1065 | NR | 940 | 630 | NR |
| 425 | 1393 | NR | 555 | 23411 | NR | 685 | 18810 | NR | 815 | 970 | NR | 945 | 433 | NR |
| 430 | 2399 | NR | 560 | 24238 | NR | 690 | 16831 | NR | 820 | 1013 | NR | 950 | 676 | NR |
| 435 | 4305 | NR | 565 | 25148 | NR | 695 | 14867 | NR | 825 | 970 | NR | 955 | 802 | NR |
| 440 | 7544 | NR | 570 | 26216 | NR | 700 | 13210 | NR | 830 | 769 | NR | 960 | 645 | NR |
| 445 | 11003 | NR | 575 | 27219 | NR | 705 | 11593 | NR | 835 | 894 | NR | 965 | 620 | NR |
| 450 | 11015 | NR | 580 | 28466 | NR | 710 | 10403 | NR | 840 | 893 | NR | 970 | 474 | NR |
| 455 | 8956 | NR | 585 | 29834 | NR | 715 | 9162 | NR | 845 | 864 | NR | 975 | 478 | NR |
| 460 | 8133 | NR | 590 | 31413 | NR | 720 | 8146 | NR | 850 | 828 | NR | 980 | 905 | NR |
| 465 | 7252 | NR | 595 | 32655 | NR | 725 | 7155 | NR | 855 | 921 | NR | 985 | 639 | NR |
| 470 | 6556 | NR | 600 | 34084 | NR | 730 | 6272 | NR | 860 | 633 | NR | 990 | 838 | NR |
| 475 | 6915 | NR | 605 | 35555 | NR | 735 | 5418 | NR | 865 | 816 | NR | 995 | 621 | NR |
| 480 | 7734 | NR | 610 | 36593 | NR | 740 | 4870 | NR | 870 | 767 | NR | 1000 | 903 | NR |
| 485 | 8748 | NR | 615 | 37350 | NR | 745 | 4295 | NR | 875 | 601 | NR | | | |

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

REPORT NUMBER: SP1-2106-271-1

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: 849.3** **S/P: 0.48**

| 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 | 649 | NR | 490 | 9819 | NR | 620 | 37806 | NR | 750 | 3792 | NR | 880 | 778 | NR |
| 365 | 535 | NR | 495 | 10995 | NR | 625 | 38173 | NR | 755 | 3383 | NR | 885 | 829 | NR |
| 370 | 546 | NR | 500 | 12186 | NR | 630 | 37677 | NR | 760 | 3071 | NR | 890 | 745 | NR |
| 375 | 624 | NR | 505 | 13274 | NR | 635 | 36852 | NR | 765 | 2656 | NR | 895 | 648 | NR |
| 380 | 611 | NR | 510 | 14396 | NR | 640 | 35711 | NR | 770 | 2297 | NR | 900 | 661 | NR |
| 385 | 569 | NR | 515 | 15467 | NR | 645 | 34820 | NR | 775 | 2076 | NR | 905 | 740 | NR |
| 390 | 512 | NR | 520 | 16543 | NR | 650 | 33278 | NR | 780 | 1860 | NR | 910 | 635 | NR |
| 395 | 465 | NR | 525 | 17716 | NR | 655 | 31397 | NR | 785 | 1717 | NR | 915 | 683 | NR |
| 400 | 418 | NR | 530 | 18837 | NR | 660 | 29663 | NR | 790 | 1494 | NR | 920 | 620 | NR |
| 405 | 411 | NR | 535 | 19916 | NR | 665 | 27479 | NR | 795 | 1276 | NR | 925 | 580 | NR |
| 410 | 439 | NR | 540 | 20679 | NR | 670 | 25115 | NR | 800 | 1183 | NR | 930 | 717 | NR |
| 415 | 565 | NR | 545 | 21563 | NR | 675 | 22916 | NR | 805 | 1161 | NR | 935 | 780 | NR |
| 420 | 866 | NR | 550 | 22521 | NR | 680 | 20799 | NR | 810 | 1065 | NR | 940 | 630 | NR |
| 425 | 1393 | NR | 555 | 23411 | NR | 685 | 18810 | NR | 815 | 970 | NR | 945 | 433 | NR |
| 430 | 2399 | NR | 560 | 24238 | NR | 690 | 16831 | NR | 820 | 1013 | NR | 950 | 676 | NR |
| 435 | 4305 | NR | 565 | 25148 | NR | 695 | 14867 | NR | 825 | 970 | NR | 955 | 802 | NR |
| 440 | 7544 | NR | 570 | 26216 | NR | 700 | 13210 | NR | 830 | 769 | NR | 960 | 645 | NR |
| 445 | 11003 | NR | 575 | 27219 | NR | 705 | 11593 | NR | 835 | 894 | NR | 965 | 620 | NR |
| 450 | 11015 | NR | 580 | 28466 | NR | 710 | 10403 | NR | 840 | 893 | NR | 970 | 474 | NR |
| 455 | 8956 | NR | 585 | 29834 | NR | 715 | 9162 | NR | 845 | 864 | NR | 975 | 478 | NR |
| 460 | 8133 | NR | 590 | 31413 | NR | 720 | 8146 | NR | 850 | 828 | NR | 980 | 905 | NR |
| 465 | 7252 | NR | 595 | 32655 | NR | 725 | 7155 | NR | 855 | 921 | NR | 985 | 639 | NR |
| 470 | 6556 | NR | 600 | 34084 | NR | 730 | 6272 | NR | 860 | 633 | NR | 990 | 838 | NR |
| 475 | 6915 | NR | 605 | 35555 | NR | 735 | 5418 | NR | 865 | 816 | NR | 995 | 621 | NR |
| 480 | 7734 | NR | 610 | 36593 | NR | 740 | 4870 | NR | 870 | 767 | NR | 1000 | 903 | NR |
| 485 | 8748 | NR | 615 | 37350 | NR | 745 | 4295 | NR | 875 | 601 | NR | | | |

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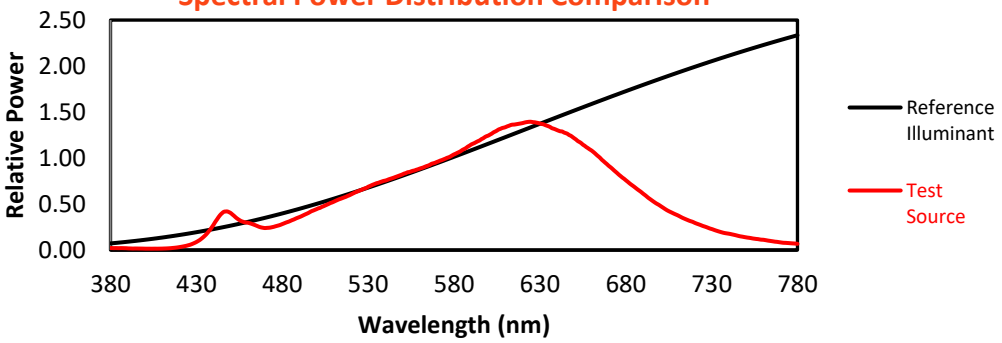
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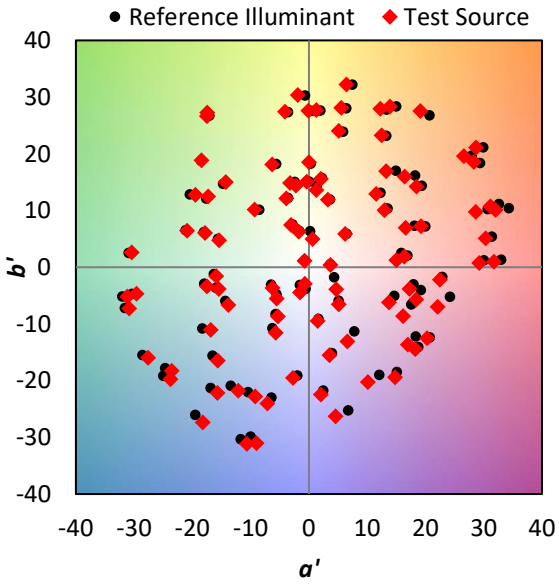
## Summary

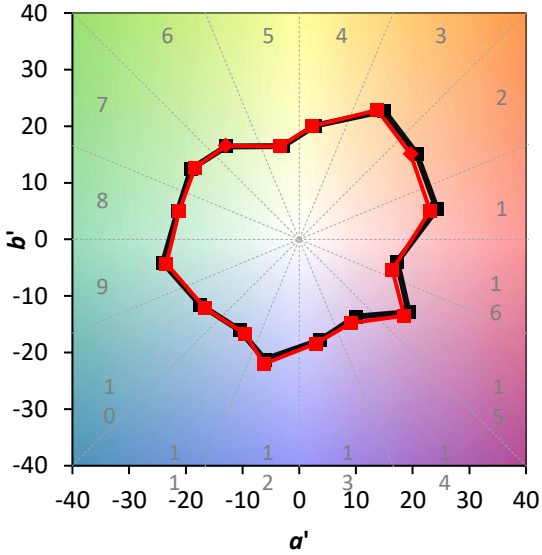
$R_f$ = 93.1
$R_g$ = 98.2
CIE $R_a$ = 92.5
$R_9$ = 58.3

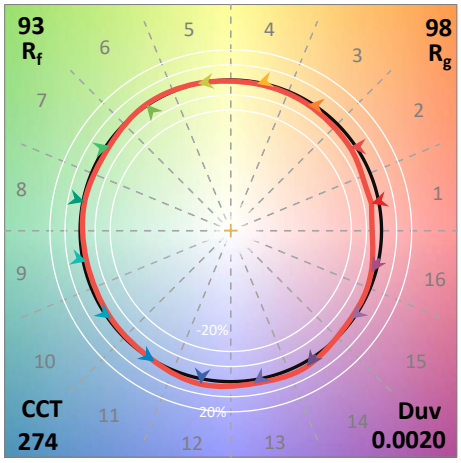
## Spectral Power Distribution Comparison

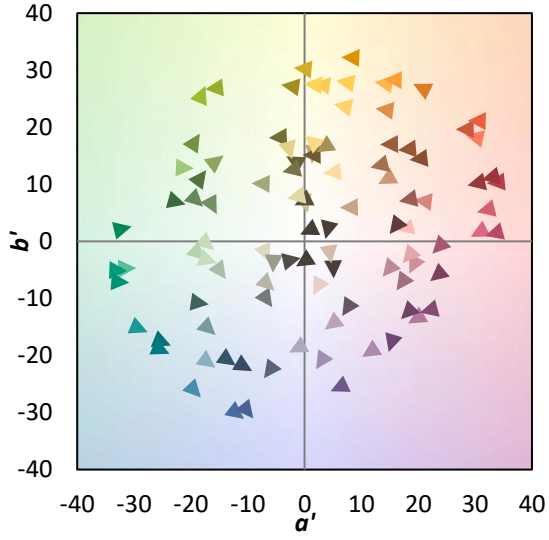



## Color Vector Graphics



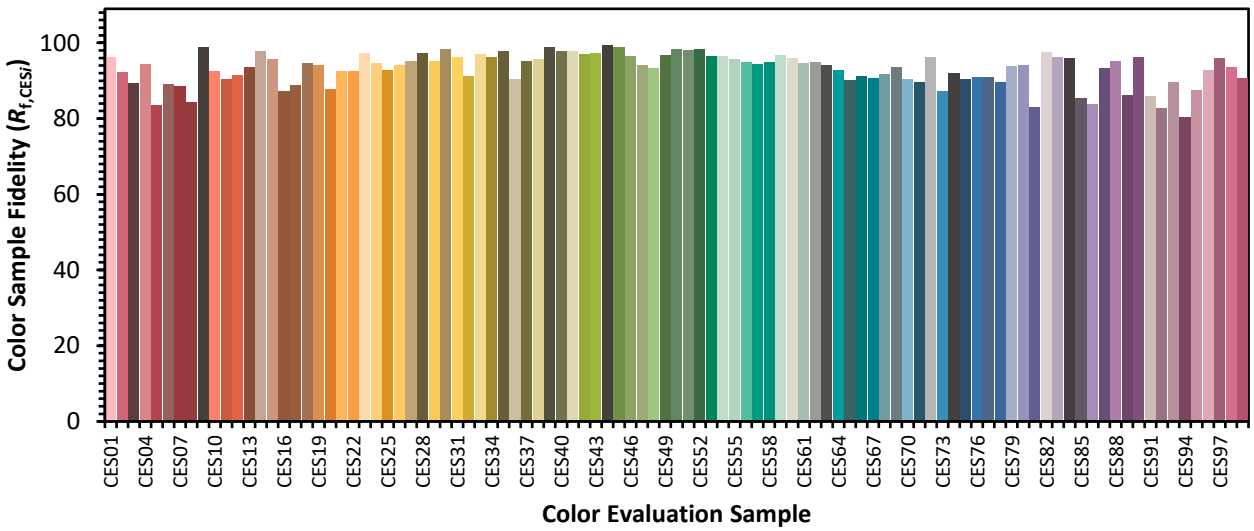
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**Individual Sample Fidelity Index ($R_{f,i}$)**

| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 94 | CES51 = 98 | CES76 = 91 |
| CES02 = 64 | CES27 = 95 | CES52 = 98 | CES77 = 91 |
| CES03 = 32 | CES28 = 97 | CES53 = 96 | CES78 = 90 |
| CES04 = 70 | CES29 = 95 | CES54 = 96 | CES79 = 94 |
| CES05 = 51 | CES30 = 98 | CES55 = 96 | CES80 = 94 |
| CES06 = 52 | CES31 = 96 | CES56 = 95 | CES81 = 83 |
| CES07 = 44 | CES32 = 91 | CES57 = 94 | CES82 = 97 |
| CES08 = 43 | CES33 = 97 | CES58 = 95 | CES83 = 96 |
| CES09 = 29 | CES34 = 96 | CES59 = 97 | CES84 = 96 |
| CES10 = 76 | CES35 = 98 | CES60 = 96 | CES85 = 85 |
| CES11 = 59 | CES36 = 91 | CES61 = 95 | CES86 = 84 |
| CES12 = 66 | CES37 = 95 | CES62 = 95 | CES87 = 93 |
| CES13 = 44 | CES38 = 96 | CES63 = 94 | CES88 = 95 |
| CES14 = 74 | CES39 = 99 | CES64 = 93 | CES89 = 86 |
| CES15 = 72 | CES40 = 98 | CES65 = 90 | CES90 = 96 |
| CES16 = 48 | CES41 = 98 | CES66 = 91 | CES91 = 86 |
| CES17 = 50 | CES42 = 97 | CES67 = 91 | CES92 = 83 |
| CES18 = 57 | CES43 = 97 | CES68 = 92 | CES93 = 90 |
| CES19 = 72 | CES44 = 99 | CES69 = 94 | CES94 = 80 |
| CES20 = 68 | CES45 = 99 | CES70 = 90 | CES95 = 87 |
| CES21 = 87 | CES46 = 96 | CES71 = 90 | CES96 = 93 |
| CES22 = 79 | CES47 = 94 | CES72 = 96 | CES97 = 96 |
| CES23 = 92 | CES48 = 93 | CES73 = 87 | CES98 = 94 |
| CES24 = 91 | CES49 = 97 | CES74 = 92 | CES99 = 91 |
| CES25 = 72 | CES50 = 98 | CES75 = 90 | |

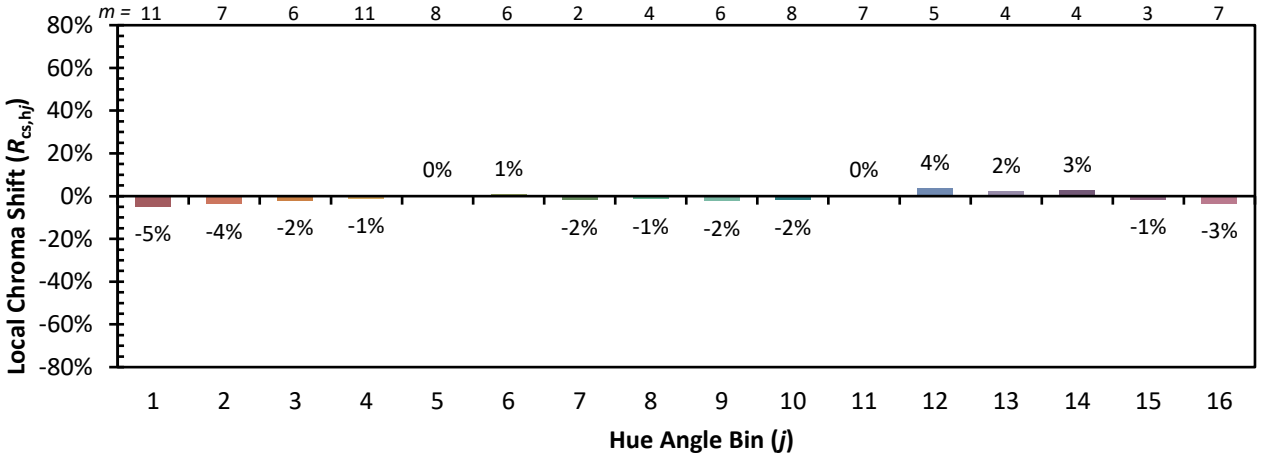


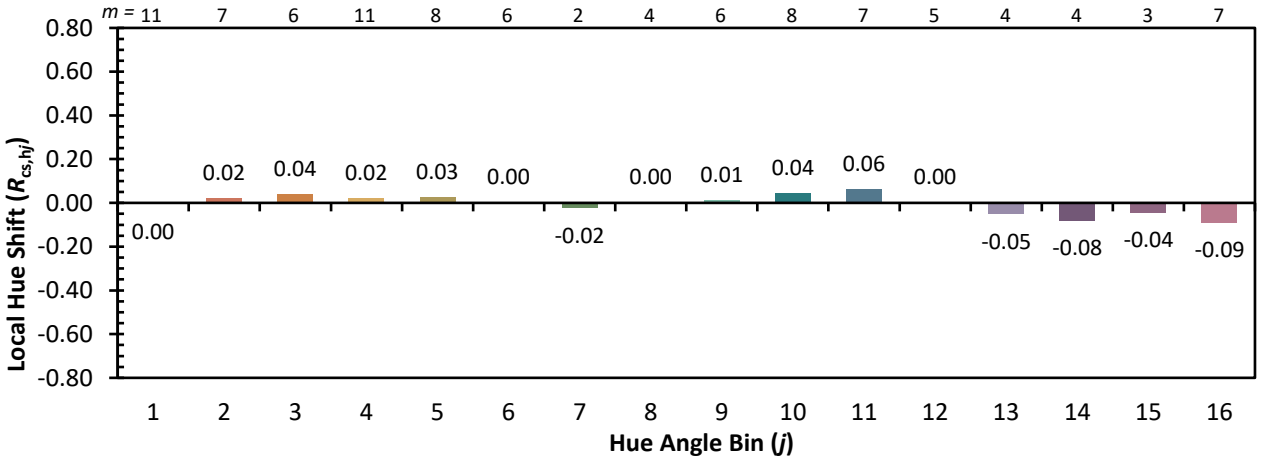
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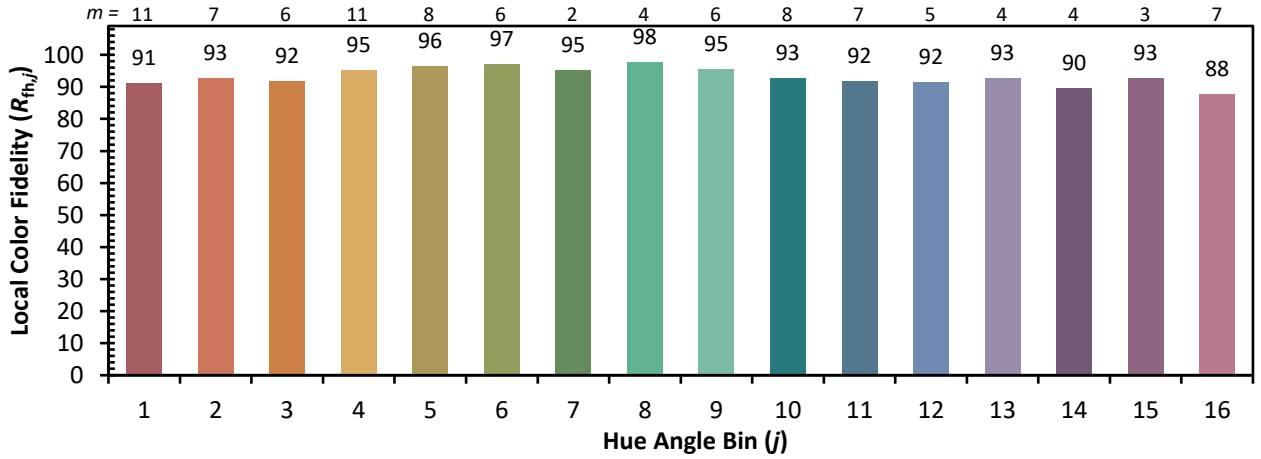
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### Color Rendition by Hue-Angle Bin



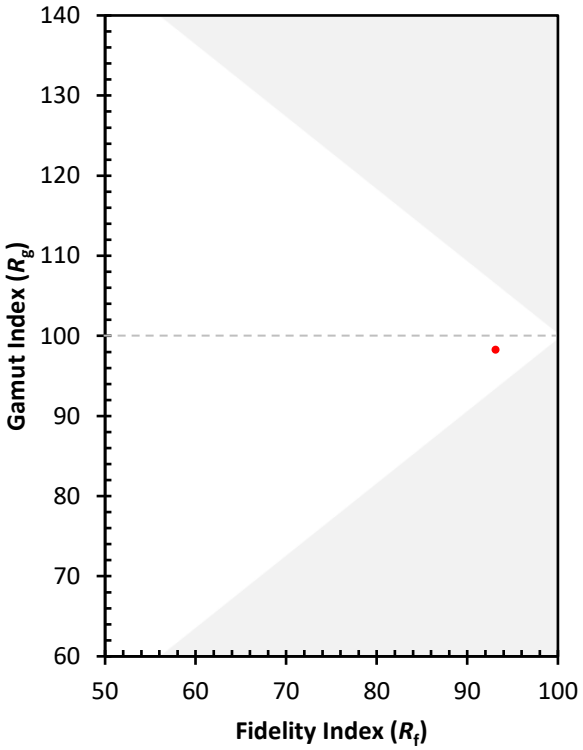



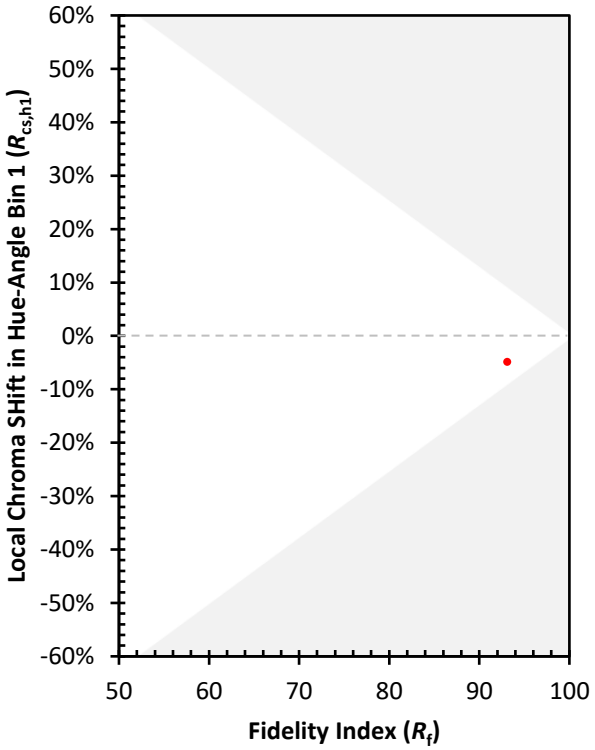
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### Measure Comparisons




(END OF REPORT)