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

Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1364385

Luminaire Tested: **GSS-SB1C-850-U-SLR**

Issue Date: 02/18/2026

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364385 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1C-850-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 5000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (26) 5000K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

Luminaire Equipment:

| Sample No. | Condition | Description |
|---|---|---|
| a | good | reflector |
| b | good | lens |
| c | good | housing |
| d | good | cord |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 6141.6 lumens |
| Efficiency: | N/A |
| Efficacy: | 118.1 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G2 |

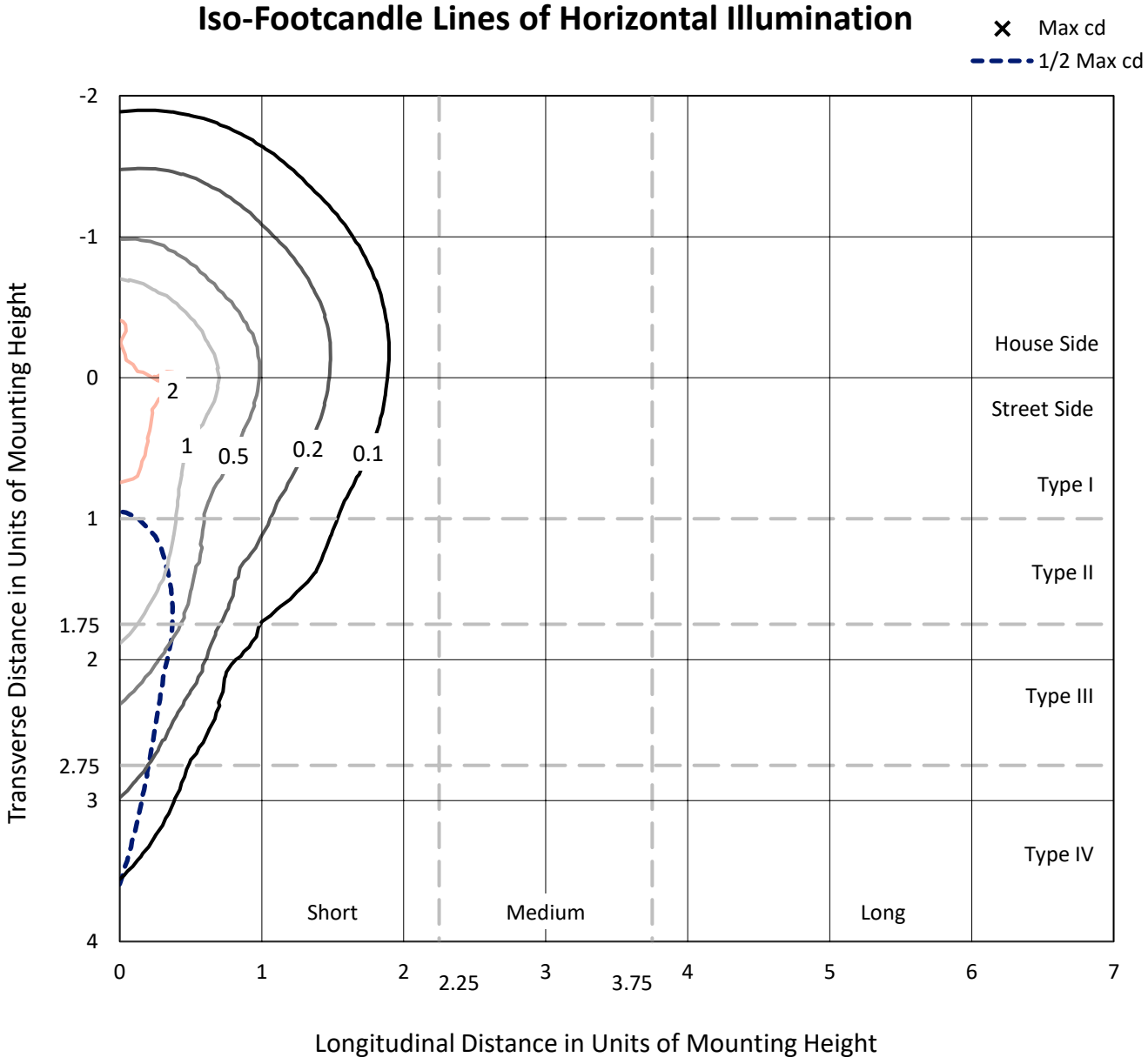
| | |
|---|---|
| Input Watts (W): | 52 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



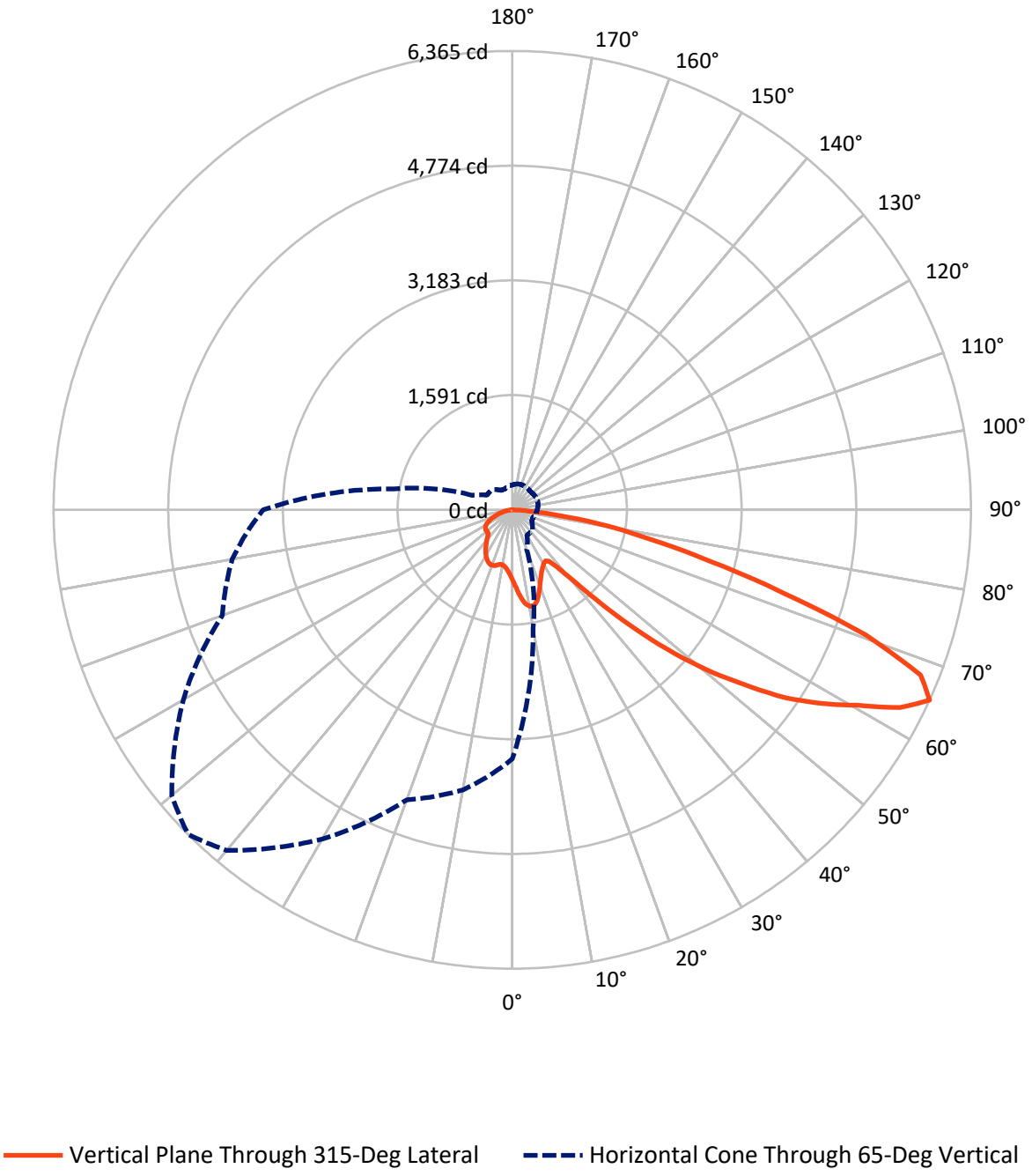

Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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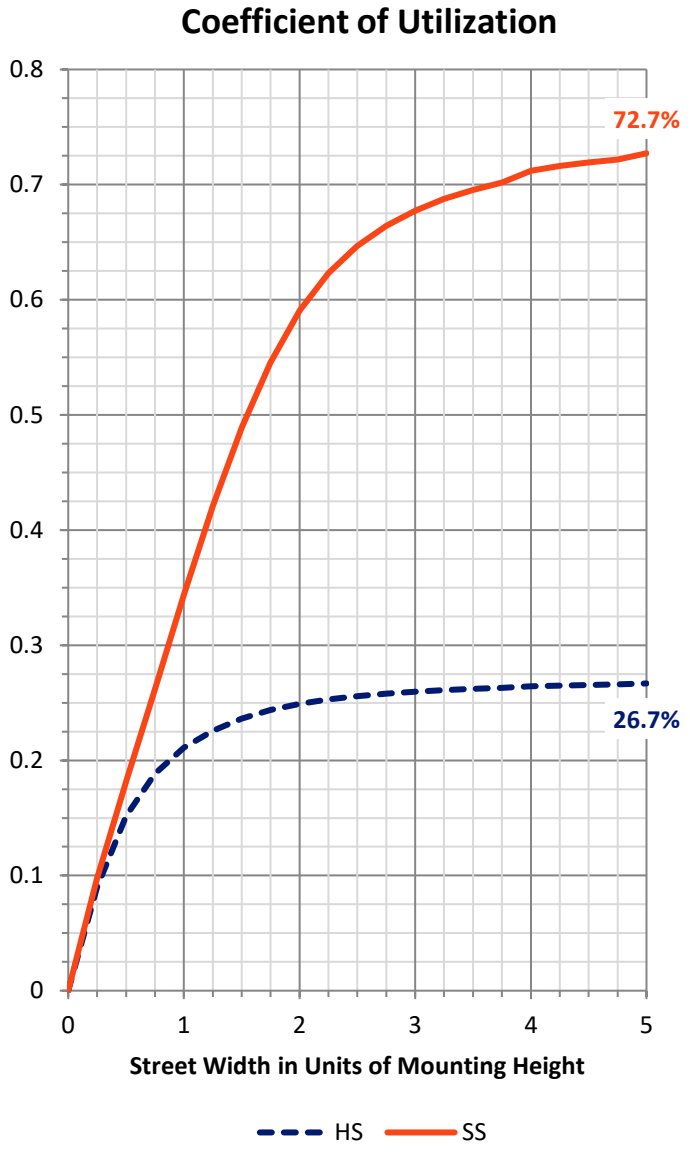
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1652.2 | 0.0 | 1652.2 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 4489.3 | 0.0 | 4489.3 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 6141.6 | 0.0 | 6141.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 96.7 | 1.6 |
| 10°-20° | 296.3 | 4.8 |
| 20°-30° | 458.6 | 7.5 |
| 30°-40° | 569.0 | 9.3 |
| 40°-50° | 832.0 | 13.5 |
| 50°-60° | 1303.3 | 21.2 |
| 60°-70° | 1546.4 | 25.2 |
| 70°-80° | 902.0 | 14.7 |
| 80°-90° | 137.2 | 2.2 |
| 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° | 6141.6 | 100.0 |
| 0°-180° | 6141.6 | 100.0 |



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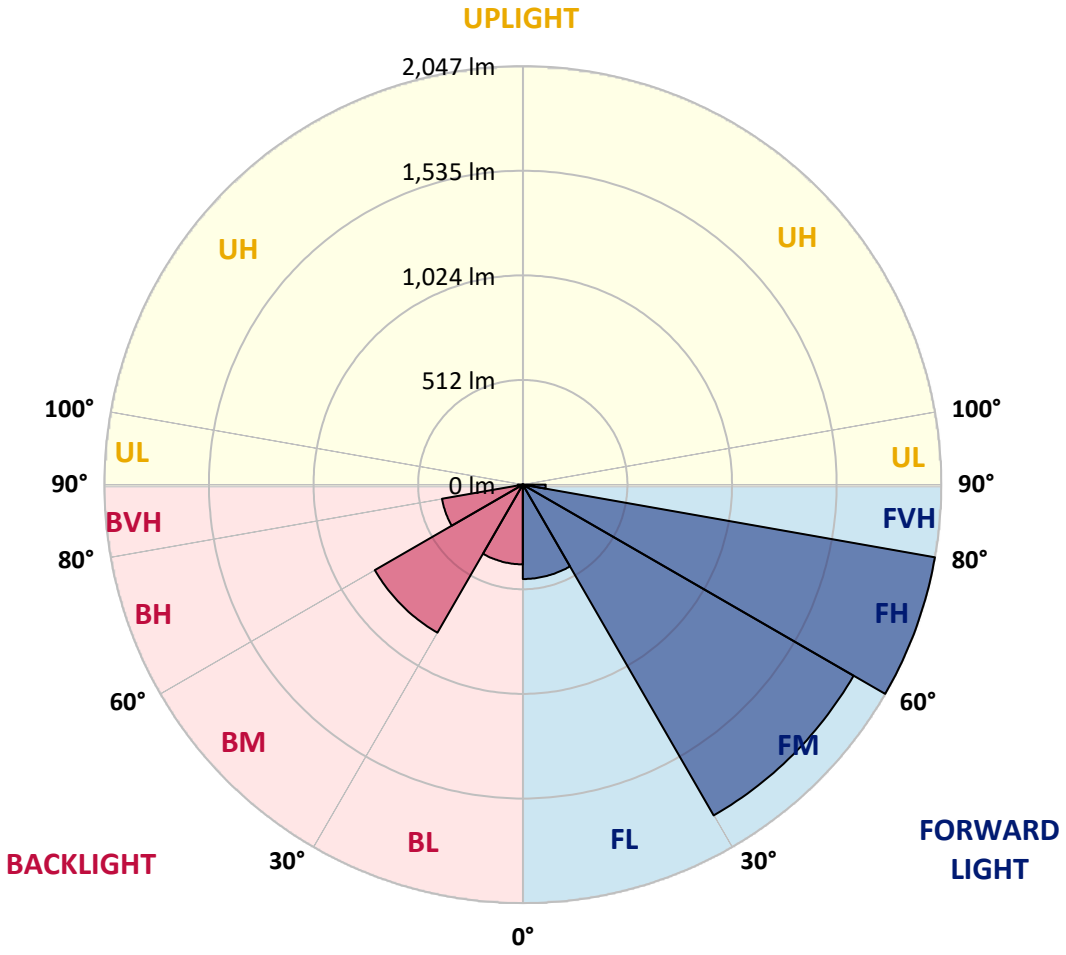
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 461.6 | 7.5 | | | |
| FM | (30°-60°) | 1868.4 | 30.4 | | | |
| FH | (60°-80°) | 2047.1 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 112.2 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 390.0 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 835.9 | 13.6 | B1/1000 | | |
| BH | (60°-80°) | 401.3 | 6.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 25.0 | 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-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 |
| 2.5° | 1058.1 | 1048.5 | 1039.1 | 1030.3 | 1021.6 | 1012.9 | 1004.1 | 995.7 | 987.1 | 978.5 | 971.0 |
| 5° | 1130.2 | 1113.3 | 1096.4 | 1078.7 | 1061.1 | 1043.9 | 1026.6 | 1010.2 | 994.0 | 977.0 | 962.5 |
| 7.5° | 1203.1 | 1174.5 | 1146.0 | 1119.1 | 1092.2 | 1068.2 | 1044.2 | 1022.7 | 1001.1 | 978.5 | 961.0 |
| 10° | 1248.9 | 1214.8 | 1180.5 | 1147.2 | 1113.7 | 1084.1 | 1054.4 | 1029.6 | 1004.8 | 980.8 | 962.0 |
| 12.5° | 1272.2 | 1238.2 | 1204.3 | 1166.9 | 1129.5 | 1096.3 | 1063.1 | 1035.8 | 1008.6 | 982.3 | 964.0 |
| 15° | 1283.4 | 1249.0 | 1214.8 | 1176.8 | 1138.8 | 1103.0 | 1067.1 | 1036.4 | 1005.6 | 976.3 | 960.1 |
| 17.5° | 1286.4 | 1254.3 | 1222.3 | 1181.7 | 1141.2 | 1100.3 | 1059.6 | 1023.7 | 988.0 | 953.7 | 939.9 |
| 20° | 1296.2 | 1263.8 | 1231.3 | 1187.8 | 1144.2 | 1096.3 | 1048.4 | 1001.2 | 954.0 | 908.7 | 900.0 |
| 22.5° | 1306.7 | 1277.0 | 1247.4 | 1199.5 | 1151.7 | 1093.1 | 1034.6 | 975.4 | 916.2 | 862.1 | 853.9 |
| 25° | 1323.2 | 1297.5 | 1271.9 | 1219.6 | 1167.3 | 1092.8 | 1018.3 | 944.6 | 870.8 | 808.8 | 808.1 |
| 27.5° | 1347.3 | 1327.6 | 1307.9 | 1249.0 | 1190.3 | 1095.7 | 1001.1 | 913.0 | 824.9 | 761.5 | 765.3 |
| 30° | 1381.1 | 1365.6 | 1350.3 | 1283.9 | 1217.3 | 1101.8 | 986.5 | 885.6 | 784.8 | 723.2 | 727.3 |
| 32.5° | 1422.4 | 1412.8 | 1403.1 | 1324.9 | 1246.6 | 1108.8 | 971.0 | 861.5 | 752.2 | 695.4 | 695.4 |
| 35° | 1492.2 | 1480.2 | 1468.2 | 1368.4 | 1268.9 | 1107.1 | 945.5 | 834.2 | 722.7 | 678.9 | 669.6 |
| 37.5° | 1580.8 | 1566.6 | 1552.3 | 1421.6 | 1290.9 | 1102.4 | 913.9 | 803.9 | 693.9 | 659.4 | 641.6 |
| 40° | 1711.5 | 1683.4 | 1655.2 | 1482.4 | 1309.7 | 1091.9 | 874.1 | 767.7 | 661.2 | 633.8 | 611.6 |
| 42.5° | 1894.7 | 1835.3 | 1775.6 | 1549.7 | 1323.5 | 1073.8 | 823.8 | 724.5 | 625.1 | 606.0 | 578.6 |
| 45° | 2122.3 | 2026.9 | 1931.5 | 1641.0 | 1350.6 | 1061.3 | 772.0 | 680.7 | 589.5 | 572.2 | 544.9 |
| 47.5° | 2340.1 | 2219.3 | 2098.5 | 1734.9 | 1371.3 | 1046.7 | 722.1 | 637.1 | 552.4 | 532.4 | 506.9 |
| 50° | 2592.4 | 2428.7 | 2265.0 | 1816.8 | 1368.6 | 1021.9 | 675.1 | 598.4 | 521.5 | 494.1 | 468.9 |
| 52.5° | 2916.1 | 2656.1 | 2395.9 | 1855.5 | 1315.0 | 971.2 | 627.5 | 563.5 | 499.9 | 464.9 | 437.8 |
| 55° | 3302.8 | 2884.5 | 2466.2 | 1845.3 | 1224.4 | 903.9 | 583.1 | 534.4 | 485.4 | 450.6 | 418.7 |
| 57.5° | 3697.1 | 3076.3 | 2455.7 | 1789.6 | 1123.5 | 833.4 | 543.4 | 509.8 | 476.1 | 446.8 | 407.8 |
| 60° | 3993.0 | 3162.2 | 2331.4 | 1656.1 | 980.8 | 744.4 | 508.0 | 484.4 | 460.8 | 437.8 | 398.8 |
| 62.5° | 3870.6 | 2971.6 | 2072.7 | 1437.2 | 801.8 | 631.4 | 461.1 | 447.9 | 434.8 | 425.1 | 387.8 |
| 65° | *3457.5* | *2563.1* | *1668.7* | *1127.4* | *586.1* | *496.2* | *406.3* | *403.4* | *400.7* | *398.0* | *367.2* |
| 67.5° | 3070.0 | 2201.3 | 1332.5 | 877.3 | 422.1 | 379.4 | 336.7 | 344.7 | 352.7 | 356.7 | 335.7 |
| 70° | 2699.0 | 1870.1 | 1041.2 | 672.3 | 303.4 | 288.4 | 273.4 | 285.2 | 297.1 | 295.9 | 285.7 |
| 72.5° | 2316.8 | 1552.9 | 788.8 | 505.4 | 222.0 | 221.7 | 221.5 | 230.6 | 239.6 | 227.5 | 234.0 |
| 75° | 1897.0 | 1239.9 | 582.8 | 374.6 | 166.4 | 165.4 | 164.5 | 175.1 | 185.9 | 190.7 | 195.0 |
| 77.5° | 1261.7 | 813.5 | 365.3 | 242.1 | 119.0 | 119.9 | 120.5 | 132.2 | 143.9 | 157.7 | 158.5 |
| 80° | 740.5 | 466.4 | 192.3 | 133.8 | 75.4 | 76.3 | 76.9 | 89.2 | 101.4 | 120.9 | 120.2 |
| 82.5° | 370.2 | 233.7 | 97.3 | 71.9 | 46.6 | 46.7 | 46.9 | 52.9 | 58.9 | 69.8 | 72.8 |
| 85° | 84.1 | 55.6 | 27.0 | 22.8 | 18.8 | 19.7 | 20.7 | 24.6 | 28.5 | 34.5 | 36.3 |
| 87.5° | 6.8 | 6.6 | 6.3 | 6.2 | 6.0 | 6.3 | 6.8 | 7.5 | 8.3 | 9.0 | 10.5 |
| 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° | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 |
| 2.5° | 962.9 | 955.0 | 948.6 | 942.5 | 937.1 | 931.5 | 925.1 | 918.5 | 913.8 | 909.0 | 905.8 |
| 5° | 948.0 | 933.9 | 922.2 | 910.5 | 900.9 | 891.0 | 882.3 | 873.4 | 866.5 | 859.4 | 853.7 |
| 7.5° | 943.4 | 926.0 | 910.8 | 895.5 | 882.6 | 869.6 | 858.8 | 847.9 | 837.5 | 827.3 | 820.7 |
| 10° | 943.5 | 925.2 | 909.6 | 894.0 | 880.3 | 866.6 | 852.4 | 838.1 | 826.7 | 815.3 | 805.4 |
| 12.5° | 948.6 | 933.5 | 922.5 | 911.7 | 899.1 | 886.5 | 869.5 | 852.4 | 836.9 | 821.6 | 809.4 |
| 15° | 950.1 | 940.2 | 939.3 | 938.4 | 934.1 | 929.7 | 913.9 | 898.2 | 876.8 | 855.4 | 837.9 |
| 17.5° | 938.6 | 937.2 | 952.1 | 967.0 | 975.5 | 984.1 | 973.1 | 962.0 | 932.0 | 901.9 | 875.9 |
| 20° | 908.5 | 917.0 | 946.1 | 975.1 | 998.2 | 1021.3 | 1020.1 | 1019.1 | 979.9 | 940.5 | 906.4 |
| 22.5° | 866.5 | 879.0 | 917.0 | 955.0 | 988.3 | 1021.6 | 1030.2 | 1038.6 | 1000.2 | 961.6 | 919.5 |
| 25° | 821.7 | 835.4 | 870.5 | 905.7 | 941.6 | 977.5 | 993.4 | 1009.3 | 977.6 | 945.9 | 905.1 |
| 27.5° | 778.3 | 791.5 | 817.7 | 843.8 | 872.6 | 901.5 | 919.4 | 937.2 | 917.9 | 898.5 | 865.4 |
| 30° | 737.5 | 747.7 | 766.6 | 785.5 | 805.1 | 824.6 | 838.8 | 853.1 | 840.4 | 827.6 | 803.9 |
| 32.5° | 699.8 | 704.1 | 716.4 | 728.8 | 743.3 | 757.7 | 765.7 | 773.5 | 763.6 | 753.7 | 738.1 |
| 35° | 666.0 | 662.4 | 670.5 | 678.6 | 690.3 | 702.2 | 708.2 | 714.2 | 705.9 | 697.7 | 683.7 |
| 37.5° | 632.0 | 622.1 | 626.0 | 629.6 | 639.7 | 649.6 | 658.2 | 666.9 | 660.9 | 654.9 | 643.0 |
| 40° | 597.2 | 582.8 | 582.5 | 582.0 | 591.6 | 601.1 | 611.9 | 622.6 | 621.5 | 620.3 | 609.0 |
| 42.5° | 560.2 | 541.9 | 540.0 | 538.0 | 547.5 | 556.9 | 568.3 | 579.8 | 582.0 | 584.3 | 575.0 |
| 45° | 526.0 | 507.4 | 504.4 | 501.4 | 509.5 | 517.9 | 530.3 | 543.0 | 548.2 | 553.5 | 545.1 |
| 47.5° | 490.8 | 474.6 | 472.8 | 470.9 | 479.4 | 488.1 | 502.0 | 515.9 | 521.5 | 527.2 | 521.5 |
| 50° | 455.7 | 442.3 | 444.6 | 446.8 | 456.3 | 465.6 | 476.4 | 487.4 | 497.8 | 508.0 | 506.9 |
| 52.5° | 427.9 | 417.8 | 424.9 | 431.8 | 440.4 | 449.1 | 460.4 | 471.6 | 482.4 | 493.4 | 495.0 |
| 55° | 407.6 | 396.5 | 406.4 | 416.3 | 426.7 | 437.1 | 447.6 | 458.1 | 468.3 | 478.4 | 480.6 |
| 57.5° | 392.2 | 376.7 | 386.6 | 396.5 | 407.8 | 419.0 | 429.6 | 440.1 | 451.9 | 463.8 | 465.6 |
| 60° | 379.2 | 359.7 | 366.3 | 372.8 | 384.4 | 395.8 | 406.7 | 417.5 | 429.6 | 441.6 | 444.0 |
| 62.5° | 362.3 | 336.7 | 337.6 | 338.2 | 351.3 | 364.2 | 373.2 | 382.3 | 393.7 | 405.2 | 408.7 |
| 65° | *339.7* | *312.4* | *309.4* | *306.4* | *318.7* | *331.2* | *338.2* | *345.5* | *355.4* | *365.3* | *368.7* |
| 67.5° | 311.5 | 287.2 | 281.0 | 274.9 | 286.3 | 297.7 | 303.5 | 309.4 | 316.2 | 322.9 | 326.8 |
| 70° | 271.3 | 256.8 | 252.9 | 249.0 | 258.3 | 267.7 | 272.8 | 277.9 | 283.3 | 288.7 | 290.8 |
| 72.5° | 230.7 | 227.5 | 224.7 | 222.0 | 229.0 | 236.1 | 240.5 | 244.8 | 249.9 | 255.0 | 256.2 |
| 75° | 193.2 | 191.5 | 189.4 | 187.4 | 192.9 | 198.3 | 201.6 | 205.0 | 210.3 | 215.5 | 217.8 |
| 77.5° | 154.6 | 150.5 | 148.4 | 146.0 | 150.9 | 155.9 | 159.1 | 162.2 | 166.6 | 170.9 | 171.5 |
| 80° | 115.4 | 110.4 | 108.7 | 106.9 | 110.5 | 114.1 | 115.4 | 116.4 | 120.0 | 123.5 | 123.5 |
| 82.5° | 72.8 | 72.8 | 71.8 | 70.6 | 69.8 | 69.1 | 67.6 | 66.1 | 69.7 | 73.3 | 74.5 |
| 85° | 36.6 | 36.8 | 35.1 | 33.3 | 31.2 | 28.8 | 28.4 | 27.8 | 27.6 | 27.3 | 28.4 |
| 87.5° | 11.4 | 12.3 | 13.2 | 13.8 | 14.7 | 15.3 | 14.9 | 14.3 | 13.7 | 13.2 | 12.0 |
| 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):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 |
| 2.5° | 902.7 | 901.2 | 899.7 | 898.5 | 897.4 | 896.7 | 897.4 | 898.5 | 899.7 | 901.2 | 902.7 |
| 5° | 847.9 | 845.5 | 842.9 | 841.3 | 839.6 | 838.1 | 839.6 | 841.3 | 842.9 | 845.5 | 847.9 |
| 7.5° | 814.1 | 810.2 | 806.3 | 803.4 | 800.5 | 799.0 | 800.5 | 803.4 | 806.3 | 810.2 | 814.1 |
| 10° | 795.7 | 790.2 | 784.8 | 781.8 | 778.8 | 776.5 | 778.8 | 781.8 | 784.8 | 790.2 | 795.7 |
| 12.5° | 797.2 | 790.3 | 783.7 | 779.2 | 774.7 | 772.0 | 774.7 | 779.2 | 783.7 | 790.3 | 797.2 |
| 15° | 820.4 | 810.8 | 800.8 | 795.3 | 789.7 | 785.5 | 789.7 | 795.3 | 800.8 | 810.8 | 820.4 |
| 17.5° | 850.1 | 836.0 | 821.9 | 816.9 | 811.8 | 809.6 | 811.8 | 816.9 | 821.9 | 836.0 | 850.1 |
| 20° | 872.3 | 853.4 | 834.8 | 827.3 | 819.8 | 817.1 | 819.8 | 827.3 | 834.8 | 853.4 | 872.3 |
| 22.5° | 877.4 | 855.2 | 832.8 | 825.8 | 818.6 | 815.6 | 818.6 | 825.8 | 832.8 | 855.2 | 877.4 |
| 25° | 864.4 | 841.0 | 817.4 | 810.2 | 802.8 | 800.5 | 802.8 | 810.2 | 817.4 | 841.0 | 864.4 |
| 27.5° | 832.4 | 811.7 | 790.8 | 783.1 | 775.3 | 770.5 | 775.3 | 783.1 | 790.8 | 811.7 | 832.4 |
| 30° | 780.3 | 764.8 | 749.5 | 744.7 | 739.7 | 737.5 | 739.7 | 744.7 | 749.5 | 764.8 | 780.3 |
| 32.5° | 722.4 | 712.8 | 703.2 | 700.1 | 696.9 | 695.4 | 696.9 | 700.1 | 703.2 | 712.8 | 722.4 |
| 35° | 669.9 | 663.0 | 656.1 | 653.5 | 651.1 | 648.8 | 651.1 | 653.5 | 656.1 | 663.0 | 669.9 |
| 37.5° | 631.1 | 623.0 | 614.6 | 610.1 | 605.6 | 602.3 | 605.6 | 610.1 | 614.6 | 623.0 | 631.1 |
| 40° | 597.8 | 586.1 | 574.5 | 568.3 | 562.0 | 558.7 | 562.0 | 568.3 | 574.5 | 586.1 | 597.8 |
| 42.5° | 565.5 | 552.0 | 538.5 | 529.0 | 519.7 | 513.7 | 519.7 | 529.0 | 538.5 | 552.0 | 565.5 |
| 45° | 536.5 | 521.3 | 506.2 | 494.9 | 483.6 | 476.1 | 483.6 | 494.9 | 506.2 | 521.3 | 536.5 |
| 47.5° | 515.9 | 502.9 | 489.6 | 479.7 | 469.8 | 462.6 | 469.8 | 479.7 | 489.6 | 502.9 | 515.9 |
| 50° | 505.9 | 495.5 | 485.1 | 475.8 | 466.4 | 459.6 | 466.4 | 475.8 | 485.1 | 495.5 | 505.9 |
| 52.5° | 496.9 | 489.3 | 481.8 | 473.7 | 465.6 | 459.6 | 465.6 | 473.7 | 481.8 | 489.3 | 496.9 |
| 55° | 482.9 | 477.5 | 471.9 | 465.9 | 459.9 | 455.1 | 459.9 | 465.9 | 471.9 | 477.5 | 482.9 |
| 57.5° | 467.4 | 461.7 | 455.8 | 451.3 | 446.8 | 444.6 | 446.8 | 451.3 | 455.8 | 461.7 | 467.4 |
| 60° | 446.4 | 441.9 | 437.4 | 433.2 | 428.8 | 425.1 | 428.8 | 433.2 | 437.4 | 441.9 | 446.4 |
| 62.5° | 412.3 | 410.2 | 408.2 | 403.4 | 398.8 | 393.5 | 398.8 | 403.4 | 408.2 | 410.2 | 412.3 |
| 65° | *372.2* | *371.1* | *370.2* | *366.8* | *363.5* | *357.5* | *363.5* | *366.8* | *370.2* | *371.1* | *372.2* |
| 67.5° | 330.7 | 328.8 | 326.7 | 323.1 | 319.6 | 318.4 | 319.6 | 323.1 | 326.7 | 328.8 | 330.7 |
| 70° | 292.9 | 289.9 | 286.9 | 278.8 | 270.7 | 261.3 | 270.7 | 278.8 | 286.9 | 289.9 | 292.9 |
| 72.5° | 257.6 | 252.9 | 248.1 | 238.7 | 229.0 | 219.3 | 229.0 | 238.7 | 248.1 | 252.9 | 257.6 |
| 75° | 220.0 | 213.4 | 207.0 | 196.9 | 187.0 | 180.2 | 187.0 | 196.9 | 207.0 | 213.4 | 220.0 |
| 77.5° | 172.4 | 166.7 | 161.0 | 155.0 | 149.0 | 145.7 | 149.0 | 155.0 | 161.0 | 166.7 | 172.4 |
| 80° | 123.5 | 119.3 | 114.9 | 111.9 | 108.9 | 106.6 | 108.9 | 111.9 | 114.9 | 119.3 | 123.5 |
| 82.5° | 75.8 | 73.9 | 72.1 | 68.8 | 65.3 | 63.1 | 65.3 | 68.8 | 72.1 | 73.9 | 75.8 |
| 85° | 29.3 | 28.8 | 28.5 | 27.3 | 26.3 | 25.5 | 26.3 | 27.3 | 28.5 | 28.8 | 29.3 |
| 87.5° | 10.8 | 9.9 | 9.0 | 8.4 | 7.8 | 7.5 | 7.8 | 8.4 | 9.0 | 9.9 | 10.8 |
| 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: P1364385
CATALOG NUMBER: GSS-SB1C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 |
| 2.5° | 905.8 | 909.0 | 913.8 | 918.5 | 925.1 | 931.5 | 937.1 | 942.5 | 948.6 | 955.0 | 962.9 |
| 5° | 853.7 | 859.4 | 866.5 | 873.4 | 882.3 | 891.0 | 900.9 | 910.5 | 922.2 | 933.9 | 948.0 |
| 7.5° | 820.7 | 827.3 | 837.5 | 847.9 | 858.8 | 869.6 | 882.6 | 895.5 | 910.8 | 926.0 | 943.4 |
| 10° | 805.4 | 815.3 | 826.7 | 838.1 | 852.4 | 866.6 | 880.3 | 894.0 | 909.6 | 925.2 | 943.5 |
| 12.5° | 809.4 | 821.6 | 836.9 | 852.4 | 869.5 | 886.5 | 899.1 | 911.7 | 922.5 | 933.5 | 948.6 |
| 15° | 837.9 | 855.4 | 876.8 | 898.2 | 913.9 | 929.7 | 934.1 | 938.4 | 939.3 | 940.2 | 950.1 |
| 17.5° | 875.9 | 901.9 | 932.0 | 962.0 | 973.1 | 984.1 | 975.5 | 967.0 | 952.1 | 937.2 | 938.6 |
| 20° | 906.4 | 940.5 | 979.9 | 1019.1 | 1020.1 | 1021.3 | 998.2 | 975.1 | 946.1 | 917.0 | 908.5 |
| 22.5° | 919.5 | 961.6 | 1000.2 | 1038.6 | 1030.2 | 1021.6 | 988.3 | 955.0 | 917.0 | 879.0 | 866.5 |
| 25° | 905.1 | 945.9 | 977.6 | 1009.3 | 993.4 | 977.5 | 941.6 | 905.7 | 870.5 | 835.4 | 821.7 |
| 27.5° | 865.4 | 898.5 | 917.9 | 937.2 | 919.4 | 901.5 | 872.6 | 843.8 | 817.7 | 791.5 | 778.3 |
| 30° | 803.9 | 827.6 | 840.4 | 853.1 | 838.8 | 824.6 | 805.1 | 785.5 | 766.6 | 747.7 | 737.5 |
| 32.5° | 738.1 | 753.7 | 763.6 | 773.5 | 765.7 | 757.7 | 743.3 | 728.8 | 716.4 | 704.1 | 699.8 |
| 35° | 683.7 | 697.7 | 705.9 | 714.2 | 708.2 | 702.2 | 690.3 | 678.6 | 670.5 | 662.4 | 666.0 |
| 37.5° | 643.0 | 654.9 | 660.9 | 666.9 | 658.2 | 649.6 | 639.7 | 629.6 | 626.0 | 622.1 | 632.0 |
| 40° | 609.0 | 620.3 | 621.5 | 622.6 | 611.9 | 601.1 | 591.6 | 582.0 | 582.5 | 582.8 | 597.2 |
| 42.5° | 575.0 | 584.3 | 582.0 | 579.8 | 568.3 | 556.9 | 547.5 | 538.0 | 540.0 | 541.9 | 560.2 |
| 45° | 545.1 | 553.5 | 548.2 | 543.0 | 530.3 | 517.9 | 509.5 | 501.4 | 504.4 | 507.4 | 526.0 |
| 47.5° | 521.5 | 527.2 | 521.5 | 515.9 | 502.0 | 488.1 | 479.4 | 470.9 | 472.8 | 474.6 | 490.8 |
| 50° | 506.9 | 508.0 | 497.8 | 487.4 | 476.4 | 465.6 | 456.3 | 446.8 | 444.6 | 442.3 | 455.7 |
| 52.5° | 495.0 | 493.4 | 482.4 | 471.6 | 460.4 | 449.1 | 440.4 | 431.8 | 424.9 | 417.8 | 427.9 |
| 55° | 480.6 | 478.4 | 468.3 | 458.1 | 447.6 | 437.1 | 426.7 | 416.3 | 406.4 | 396.5 | 407.6 |
| 57.5° | 465.6 | 463.8 | 451.9 | 440.1 | 429.6 | 419.0 | 407.8 | 396.5 | 386.6 | 376.7 | 392.2 |
| 60° | 444.0 | 441.6 | 429.6 | 417.5 | 406.7 | 395.8 | 384.4 | 372.8 | 366.3 | 359.7 | 379.2 |
| 62.5° | 408.7 | 405.2 | 393.7 | 382.3 | 373.2 | 364.2 | 351.3 | 338.2 | 337.6 | 336.7 | 362.3 |
| 65° | *368.7* | *365.3* | *355.4* | *345.5* | *338.2* | *331.2* | *318.7* | *306.4* | *309.4* | *312.4* | *339.7* |
| 67.5° | 326.8 | 322.9 | 316.2 | 309.4 | 303.5 | 297.7 | 286.3 | 274.9 | 281.0 | 287.2 | 311.5 |
| 70° | 290.8 | 288.7 | 283.3 | 277.9 | 272.8 | 267.7 | 258.3 | 249.0 | 252.9 | 256.8 | 271.3 |
| 72.5° | 256.2 | 255.0 | 249.9 | 244.8 | 240.5 | 236.1 | 229.0 | 222.0 | 224.7 | 227.5 | 230.7 |
| 75° | 217.8 | 215.5 | 210.3 | 205.0 | 201.6 | 198.3 | 192.9 | 187.4 | 189.4 | 191.5 | 193.2 |
| 77.5° | 171.5 | 170.9 | 166.6 | 162.2 | 159.1 | 155.9 | 150.9 | 146.0 | 148.4 | 150.5 | 154.6 |
| 80° | 123.5 | 123.5 | 120.0 | 116.4 | 115.4 | 114.1 | 110.5 | 106.9 | 108.7 | 110.4 | 115.4 |
| 82.5° | 74.5 | 73.3 | 69.7 | 66.1 | 67.6 | 69.1 | 69.8 | 70.6 | 71.8 | 72.8 | 72.8 |
| 85° | 28.4 | 27.3 | 27.6 | 27.8 | 28.4 | 28.8 | 31.2 | 33.3 | 35.1 | 36.8 | 36.6 |
| 87.5° | 12.0 | 13.2 | 13.7 | 14.3 | 14.9 | 15.3 | 14.7 | 13.8 | 13.2 | 12.3 | 11.4 |
| 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: P1364385
CATALOG NUMBER: GSS-SB1C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 |
| 2.5° | 971.0 | 978.5 | 987.1 | 995.7 | 1004.1 | 1012.9 | 1021.6 | 1030.3 | 1039.1 | 1048.5 | 1058.1 |
| 5° | 962.5 | 977.0 | 994.0 | 1010.2 | 1026.6 | 1043.9 | 1061.1 | 1078.7 | 1096.4 | 1113.3 | 1130.2 |
| 7.5° | 961.0 | 978.5 | 1001.1 | 1022.7 | 1044.2 | 1068.2 | 1092.2 | 1119.1 | 1146.0 | 1174.5 | 1203.1 |
| 10° | 962.0 | 980.8 | 1004.8 | 1029.6 | 1054.4 | 1084.1 | 1113.7 | 1147.2 | 1180.5 | 1214.8 | 1248.9 |
| 12.5° | 964.0 | 982.3 | 1008.6 | 1035.8 | 1063.1 | 1096.3 | 1129.5 | 1166.9 | 1204.3 | 1238.2 | 1272.2 |
| 15° | 960.1 | 976.3 | 1005.6 | 1036.4 | 1067.1 | 1103.0 | 1138.8 | 1176.8 | 1214.8 | 1249.0 | 1283.4 |
| 17.5° | 939.9 | 953.7 | 988.0 | 1023.7 | 1059.6 | 1100.3 | 1141.2 | 1181.7 | 1222.3 | 1254.3 | 1286.4 |
| 20° | 900.0 | 908.7 | 954.0 | 1001.2 | 1048.4 | 1096.3 | 1144.2 | 1187.8 | 1231.3 | 1263.8 | 1296.2 |
| 22.5° | 853.9 | 862.1 | 916.2 | 975.4 | 1034.6 | 1093.1 | 1151.7 | 1199.5 | 1247.4 | 1277.0 | 1306.7 |
| 25° | 808.1 | 808.8 | 870.8 | 944.6 | 1018.3 | 1092.8 | 1167.3 | 1219.6 | 1271.9 | 1297.5 | 1323.2 |
| 27.5° | 765.3 | 761.5 | 824.9 | 913.0 | 1001.1 | 1095.7 | 1190.3 | 1249.0 | 1307.9 | 1327.6 | 1347.3 |
| 30° | 727.3 | 723.2 | 784.8 | 885.6 | 986.5 | 1101.8 | 1217.3 | 1283.9 | 1350.3 | 1365.6 | 1381.1 |
| 32.5° | 695.4 | 695.4 | 752.2 | 861.5 | 971.0 | 1108.8 | 1246.6 | 1324.9 | 1403.1 | 1412.8 | 1422.4 |
| 35° | 669.6 | 678.9 | 722.7 | 834.2 | 945.5 | 1107.1 | 1268.9 | 1368.4 | 1468.2 | 1480.2 | 1492.2 |
| 37.5° | 641.6 | 659.4 | 693.9 | 803.9 | 913.9 | 1102.4 | 1290.9 | 1421.6 | 1552.3 | 1566.6 | 1580.8 |
| 40° | 611.6 | 633.8 | 661.2 | 767.7 | 874.1 | 1091.9 | 1309.7 | 1482.4 | 1655.2 | 1683.4 | 1711.5 |
| 42.5° | 578.6 | 606.0 | 625.1 | 724.5 | 823.8 | 1073.8 | 1323.5 | 1549.7 | 1775.6 | 1835.3 | 1894.7 |
| 45° | 544.9 | 572.2 | 589.5 | 680.7 | 772.0 | 1061.3 | 1350.6 | 1641.0 | 1931.5 | 2026.9 | 2122.3 |
| 47.5° | 506.9 | 532.4 | 552.4 | 637.1 | 722.1 | 1046.7 | 1371.3 | 1734.9 | 2098.5 | 2219.3 | 2340.1 |
| 50° | 468.9 | 494.1 | 521.5 | 598.4 | 675.1 | 1021.9 | 1368.6 | 1816.8 | 2265.0 | 2428.7 | 2592.4 |
| 52.5° | 437.8 | 464.9 | 499.9 | 563.5 | 627.5 | 971.2 | 1315.0 | 1855.5 | 2395.9 | 2656.1 | 2916.1 |
| 55° | 418.7 | 450.6 | 485.4 | 534.4 | 583.1 | 903.9 | 1224.4 | 1845.3 | 2466.2 | 2884.5 | 3302.8 |
| 57.5° | 407.8 | 446.8 | 476.1 | 509.8 | 543.4 | 833.4 | 1123.5 | 1789.6 | 2455.7 | 3076.3 | 3697.1 |
| 60° | 398.8 | 437.8 | 460.8 | 484.4 | 508.0 | 744.4 | 980.8 | 1656.1 | 2331.4 | 3162.2 | 3993.0 |
| 62.5° | 387.8 | 425.1 | 434.8 | 447.9 | 461.1 | 631.4 | 801.8 | 1437.2 | 2072.7 | 2971.6 | 3870.6 |
| 65° | *367.2* | *398.0* | *400.7* | *403.4* | *406.3* | *496.2* | *586.1* | *1127.4* | *1668.7* | *2563.1* | *3457.5* |
| 67.5° | 335.7 | 356.7 | 352.7 | 344.7 | 336.7 | 379.4 | 422.1 | 877.3 | 1332.5 | 2201.3 | 3070.0 |
| 70° | 285.7 | 295.9 | 297.1 | 285.2 | 273.4 | 288.4 | 303.4 | 672.3 | 1041.2 | 1870.1 | 2699.0 |
| 72.5° | 234.0 | 227.5 | 239.6 | 230.6 | 221.5 | 221.7 | 222.0 | 505.4 | 788.8 | 1552.9 | 2316.8 |
| 75° | 195.0 | 190.7 | 185.9 | 175.1 | 164.5 | 165.4 | 166.4 | 374.6 | 582.8 | 1239.9 | 1897.0 |
| 77.5° | 158.5 | 157.7 | 143.9 | 132.2 | 120.5 | 119.9 | 119.0 | 242.1 | 365.3 | 813.5 | 1261.7 |
| 80° | 120.2 | 120.9 | 101.4 | 89.2 | 76.9 | 76.3 | 75.4 | 133.8 | 192.3 | 466.4 | 740.5 |
| 82.5° | 72.8 | 69.8 | 58.9 | 52.9 | 46.9 | 46.7 | 46.6 | 71.9 | 97.3 | 233.7 | 370.2 |
| 85° | 36.3 | 34.5 | 28.5 | 24.6 | 20.7 | 19.7 | 18.8 | 22.8 | 27.0 | 55.6 | 84.1 |
| 87.5° | 10.5 | 9.0 | 8.3 | 7.5 | 6.8 | 6.3 | 6.0 | 6.2 | 6.3 | 6.6 | 6.8 |
| 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
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Scaled Data Report

REPORT NUMBER: P1364385
CATALOG NUMBER: GSS-SB1C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 |
| 2.5° | 1061.9 | 1065.6 | 1069.7 | 1073.9 | 1076.3 | 1078.7 | 1081.3 | 1083.7 | 1085.9 | 1083.7 | 1081.3 |
| 5° | 1147.2 | 1164.0 | 1175.4 | 1186.9 | 1195.6 | 1204.3 | 1209.2 | 1214.3 | 1215.1 | 1214.3 | 1209.2 |
| 7.5° | 1223.2 | 1243.3 | 1260.8 | 1278.2 | 1289.3 | 1300.4 | 1306.9 | 1313.5 | 1315.7 | 1313.5 | 1306.9 |
| 10° | 1272.5 | 1296.2 | 1313.0 | 1330.0 | 1340.4 | 1350.6 | 1355.7 | 1360.8 | 1362.3 | 1360.8 | 1355.7 |
| 12.5° | 1294.8 | 1317.5 | 1330.6 | 1343.5 | 1350.1 | 1356.6 | 1359.0 | 1361.1 | 1359.3 | 1361.1 | 1359.0 |
| 15° | 1296.8 | 1310.0 | 1315.6 | 1321.0 | 1317.8 | 1314.5 | 1309.9 | 1305.2 | 1302.2 | 1305.2 | 1309.9 |
| 17.5° | 1291.1 | 1295.9 | 1285.8 | 1275.9 | 1257.9 | 1239.9 | 1226.4 | 1212.8 | 1203.1 | 1212.8 | 1226.4 |
| 20° | 1288.7 | 1281.2 | 1254.4 | 1227.9 | 1194.1 | 1160.3 | 1137.6 | 1114.8 | 1100.9 | 1114.8 | 1137.6 |
| 22.5° | 1285.5 | 1264.4 | 1219.4 | 1174.5 | 1128.3 | 1082.2 | 1056.0 | 1030.0 | 1015.3 | 1030.0 | 1056.0 |
| 25° | 1286.9 | 1250.4 | 1189.7 | 1129.2 | 1074.8 | 1020.6 | 992.2 | 964.0 | 947.7 | 964.0 | 992.2 |
| 27.5° | 1291.7 | 1236.1 | 1161.0 | 1085.9 | 1027.0 | 968.0 | 941.0 | 913.9 | 899.7 | 913.9 | 941.0 |
| 30° | 1307.3 | 1233.4 | 1143.6 | 1053.6 | 992.0 | 930.5 | 904.0 | 877.4 | 862.1 | 877.4 | 904.0 |
| 32.5° | 1329.2 | 1236.1 | 1135.5 | 1034.9 | 972.1 | 909.4 | 884.1 | 858.8 | 845.6 | 858.8 | 884.1 |
| 35° | 1374.3 | 1256.4 | 1144.8 | 1033.4 | 975.1 | 917.0 | 898.3 | 879.9 | 872.6 | 879.9 | 898.3 |
| 37.5° | 1443.1 | 1305.2 | 1190.3 | 1075.4 | 1035.8 | 996.1 | 996.1 | 996.1 | 1001.8 | 996.1 | 996.1 |
| 40° | 1556.8 | 1402.1 | 1293.3 | 1184.8 | 1182.3 | 1180.2 | 1205.5 | 1230.9 | 1242.1 | 1230.9 | 1205.5 |
| 42.5° | 1731.2 | 1567.8 | 1480.0 | 1392.3 | 1444.9 | 1497.5 | 1570.5 | 1643.5 | 1691.2 | 1643.5 | 1570.5 |
| 45° | 1963.1 | 1803.9 | 1742.6 | 1681.5 | 1798.5 | 1915.3 | 2044.3 | 2173.3 | 2265.0 | 2173.3 | 2044.3 |
| 47.5° | 2206.1 | 2072.0 | 2037.0 | 2002.1 | 2196.6 | 2391.1 | 2580.2 | 2769.3 | 2880.8 | 2769.3 | 2580.2 |
| 50° | 2471.9 | 2351.3 | 2344.6 | 2337.8 | 2596.9 | 2856.0 | 3100.1 | 3344.1 | 3480.1 | 3344.1 | 3100.1 |
| 52.5° | 2783.7 | 2651.3 | 2656.7 | 2661.8 | 2969.5 | 3277.3 | 3572.4 | 3867.6 | 4020.8 | 3867.6 | 3572.4 |
| 55° | 3136.9 | 2970.9 | 2970.0 | 2969.1 | 3322.7 | 3676.5 | 4039.1 | 4402.0 | 4606.5 | 4402.0 | 4039.1 |
| 57.5° | 3541.6 | 3386.2 | 3349.2 | 3312.1 | 3681.9 | 4051.6 | 4452.0 | 4852.6 | 5067.6 | 4852.6 | 4452.0 |
| 60° | 3907.4 | 3821.8 | 3762.6 | 3703.6 | 4083.2 | 4463.1 | 4876.7 | 5290.2 | 5504.7 | 5290.2 | 4876.7 |
| 62.5° | 4023.6 | 4176.7 | 4172.3 | 4168.0 | 4577.8 | 4987.7 | 5417.9 | 5848.4 | 6040.9 | 5848.4 | 5417.9 |
| 65° | 3701.6 | 3945.7 | 4113.6 | 4281.4 | 4776.9 | 5272.2 | 5720.4 | 6168.6 | 6365.3 | 6168.6 | 5720.4 |
| 67.5° | 3285.1 | 3500.3 | 3637.8 | 3775.2 | 4333.5 | 4891.9 | 5400.5 | 5909.0 | 6111.5 | 5909.0 | 5400.5 |
| 70° | 2937.2 | 3175.5 | 3273.7 | 3371.9 | 3846.2 | 4320.4 | 4722.8 | 5125.0 | 5204.3 | 5125.0 | 4722.8 |
| 72.5° | 2600.1 | 2883.5 | 2925.1 | 2966.7 | 3311.8 | 3657.0 | 3871.3 | 4085.7 | 3912.6 | 4085.7 | 3871.3 |
| 75° | 2216.6 | 2536.1 | 2563.9 | 2591.6 | 2699.2 | 2806.9 | 2861.4 | 2916.1 | 2817.7 | 2916.1 | 2861.4 |
| 77.5° | 1538.3 | 1815.1 | 1877.5 | 1939.8 | 2011.4 | 2083.2 | 2079.5 | 2075.7 | 1937.5 | 2075.7 | 2079.5 |
| 80° | 956.9 | 1173.3 | 1181.4 | 1189.6 | 1243.3 | 1296.9 | 1351.8 | 1406.6 | 1318.7 | 1406.6 | 1351.8 |
| 82.5° | 489.0 | 608.0 | 626.3 | 644.6 | 677.5 | 710.4 | 725.8 | 741.2 | 666.9 | 741.2 | 725.8 |
| 85° | 115.1 | 146.0 | 175.9 | 205.8 | 240.3 | 274.9 | 271.0 | 267.0 | 225.3 | 267.0 | 271.0 |
| 87.5° | 6.9 | 7.2 | 7.4 | 7.5 | 7.7 | 7.8 | 8.3 | 8.7 | 9.0 | 8.7 | 8.3 |
| 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
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Scaled Data Report

REPORT NUMBER: P1364385
CATALOG NUMBER: GSS-SB1C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 | 979.3 |
| 2.5° | 1078.7 | 1076.3 | 1073.9 | 1069.7 | 1065.6 | 1061.9 | 1058.1 |
| 5° | 1204.3 | 1195.6 | 1186.9 | 1175.4 | 1164.0 | 1147.2 | 1130.2 |
| 7.5° | 1300.4 | 1289.3 | 1278.2 | 1260.8 | 1243.3 | 1223.2 | 1203.1 |
| 10° | 1350.6 | 1340.4 | 1330.0 | 1313.0 | 1296.2 | 1272.5 | 1248.9 |
| 12.5° | 1356.6 | 1350.1 | 1343.5 | 1330.6 | 1317.5 | 1294.8 | 1272.2 |
| 15° | 1314.5 | 1317.8 | 1321.0 | 1315.6 | 1310.0 | 1296.8 | 1283.4 |
| 17.5° | 1239.9 | 1257.9 | 1275.9 | 1285.8 | 1295.9 | 1291.1 | 1286.4 |
| 20° | 1160.3 | 1194.1 | 1227.9 | 1254.4 | 1281.2 | 1288.7 | 1296.2 |
| 22.5° | 1082.2 | 1128.3 | 1174.5 | 1219.4 | 1264.4 | 1285.5 | 1306.7 |
| 25° | 1020.6 | 1074.8 | 1129.2 | 1189.7 | 1250.4 | 1286.9 | 1323.2 |
| 27.5° | 968.0 | 1027.0 | 1085.9 | 1161.0 | 1236.1 | 1291.7 | 1347.3 |
| 30° | 930.5 | 992.0 | 1053.6 | 1143.6 | 1233.4 | 1307.3 | 1381.1 |
| 32.5° | 909.4 | 972.1 | 1034.9 | 1135.5 | 1236.1 | 1329.2 | 1422.4 |
| 35° | 917.0 | 975.1 | 1033.4 | 1144.8 | 1256.4 | 1374.3 | 1492.2 |
| 37.5° | 996.1 | 1035.8 | 1075.4 | 1190.3 | 1305.2 | 1443.1 | 1580.8 |
| 40° | 1180.2 | 1182.3 | 1184.8 | 1293.3 | 1402.1 | 1556.8 | 1711.5 |
| 42.5° | 1497.5 | 1444.9 | 1392.3 | 1480.0 | 1567.8 | 1731.2 | 1894.7 |
| 45° | 1915.3 | 1798.5 | 1681.5 | 1742.6 | 1803.9 | 1963.1 | 2122.3 |
| 47.5° | 2391.1 | 2196.6 | 2002.1 | 2037.0 | 2072.0 | 2206.1 | 2340.1 |
| 50° | 2856.0 | 2596.9 | 2337.8 | 2344.6 | 2351.3 | 2471.9 | 2592.4 |
| 52.5° | 3277.3 | 2969.5 | 2661.8 | 2656.7 | 2651.3 | 2783.7 | 2916.1 |
| 55° | 3676.5 | 3322.7 | 2969.1 | 2970.0 | 2970.9 | 3136.9 | 3302.8 |
| 57.5° | 4051.6 | 3681.9 | 3312.1 | 3349.2 | 3386.2 | 3541.6 | 3697.1 |
| 60° | 4463.1 | 4083.2 | 3703.6 | 3762.6 | 3821.8 | 3907.4 | 3993.0 |
| 62.5° | 4987.7 | 4577.8 | 4168.0 | 4172.3 | 4176.7 | 4023.6 | 3870.6 |
| 65° | *5272.2* | *4776.9* | *4281.4* | *4113.6* | *3945.7* | *3701.6* | *3457.5* |
| 67.5° | 4891.9 | 4333.5 | 3775.2 | 3637.8 | 3500.3 | 3285.1 | 3070.0 |
| 70° | 4320.4 | 3846.2 | 3371.9 | 3273.7 | 3175.5 | 2937.2 | 2699.0 |
| 72.5° | 3657.0 | 3311.8 | 2966.7 | 2925.1 | 2883.5 | 2600.1 | 2316.8 |
| 75° | 2806.9 | 2699.2 | 2591.6 | 2563.9 | 2536.1 | 2216.6 | 1897.0 |
| 77.5° | 2083.2 | 2011.4 | 1939.8 | 1877.5 | 1815.1 | 1538.3 | 1261.7 |
| 80° | 1296.9 | 1243.3 | 1189.6 | 1181.4 | 1173.3 | 956.9 | 740.5 |
| 82.5° | 710.4 | 677.5 | 644.6 | 626.3 | 608.0 | 489.0 | 370.2 |
| 85° | 274.9 | 240.3 | 205.8 | 175.9 | 146.0 | 115.1 | 84.1 |
| 87.5° | 7.8 | 7.7 | 7.5 | 7.4 | 7.2 | 6.9 | 6.8 |
| 90° | 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-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

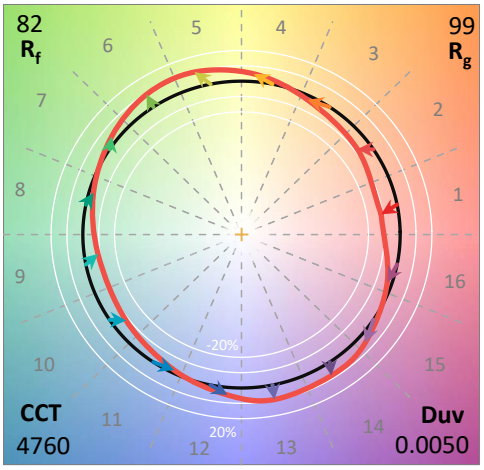
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-12 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-850-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 4760 |
| CIE u': | 0.2107 |
| CIE v': | 0.4939 |
| Duv: | 0.0050 |
| CIE x: | 0.3537 |
| CIE y: | 0.3685 |
| CIE z: | 0.2779 |
| Peak Wavelength (nm): | 443 |
| Dominant Wavelength (nm): | 571 |
| Purity: | 16.69598 |
| Rf: | 82 |
| Rg: | 99.4 |

| | |
|---|---|
| CRI (Ra): | 81.1 |
| R1: | 79.8 |
| R2: | 83.5 |
| R3: | 87.9 |
| R4: | 83.1 |
| R5: | 80.5 |
| R6: | 79.1 |
| R7: | 86.1 |
| R8: | 69.0 |
| R9: | 8.7 |
| R10: | 62.4 |
| R11: | 83.8 |
| R12: | 63.0 |
| R13: | 79.9 |
| R14: | 93.3 |
| R15: | 72.7 |




## Test Conditions

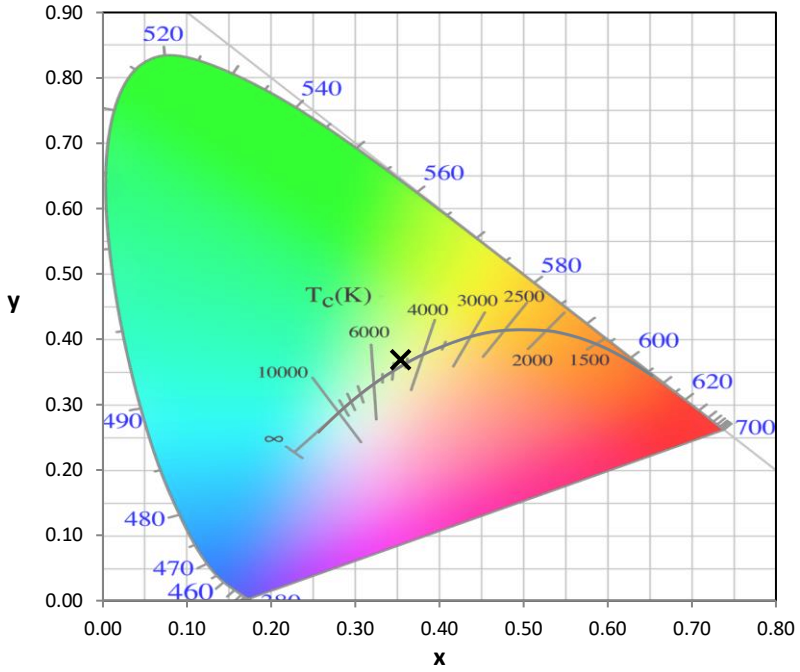
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-12

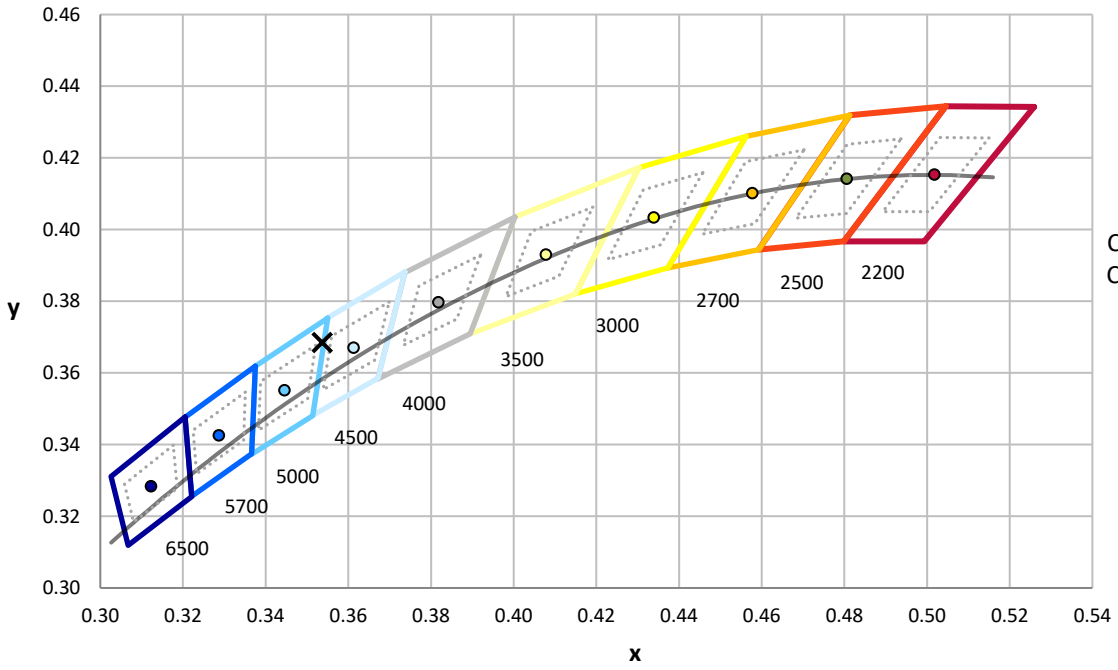
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC Power Source | IN0208 | 10/24/2023 | 10/24/2024 |
| Sphere Thermometer | IN0085 | 10/24/2023 | 10/24/2024 |
| Room Thermometer | IN0046 | 10/24/2023 | 10/24/2024 |

REPORT NUMBER: SP1-2407-184-12

## CIE 1931 Chromaticity Diagram




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

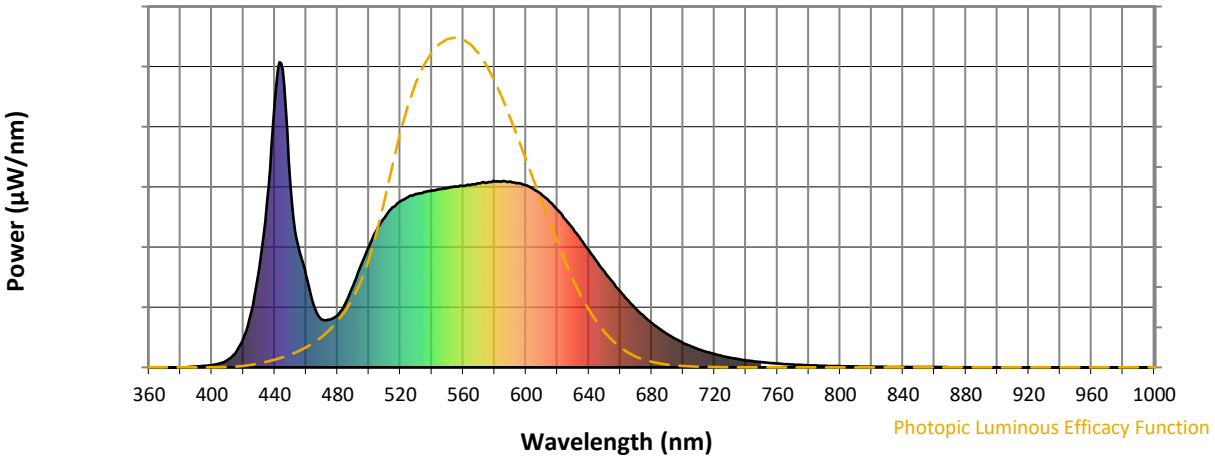



CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

## Photopic Flux vs. Wavelength

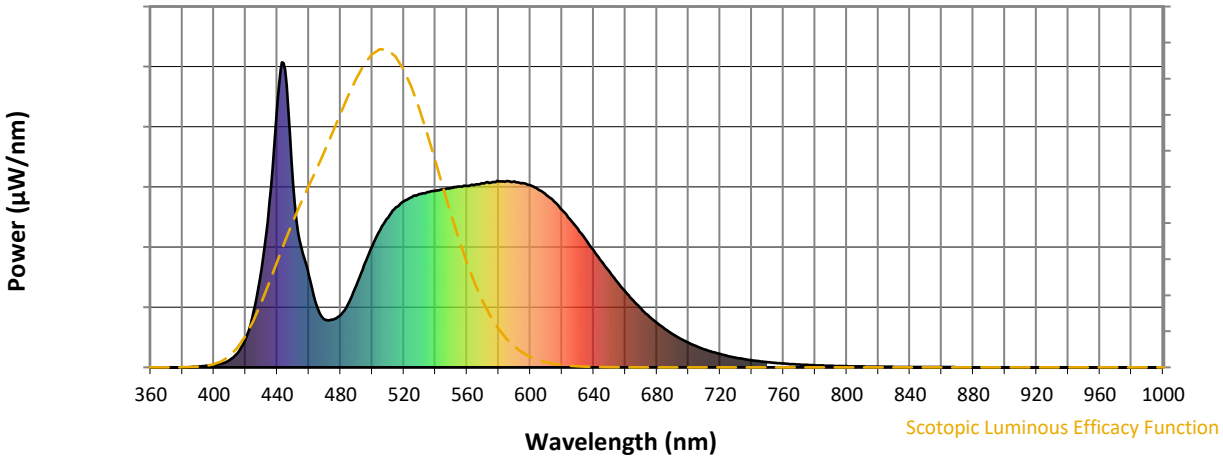



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Scotopic Flux vs. Wavelength

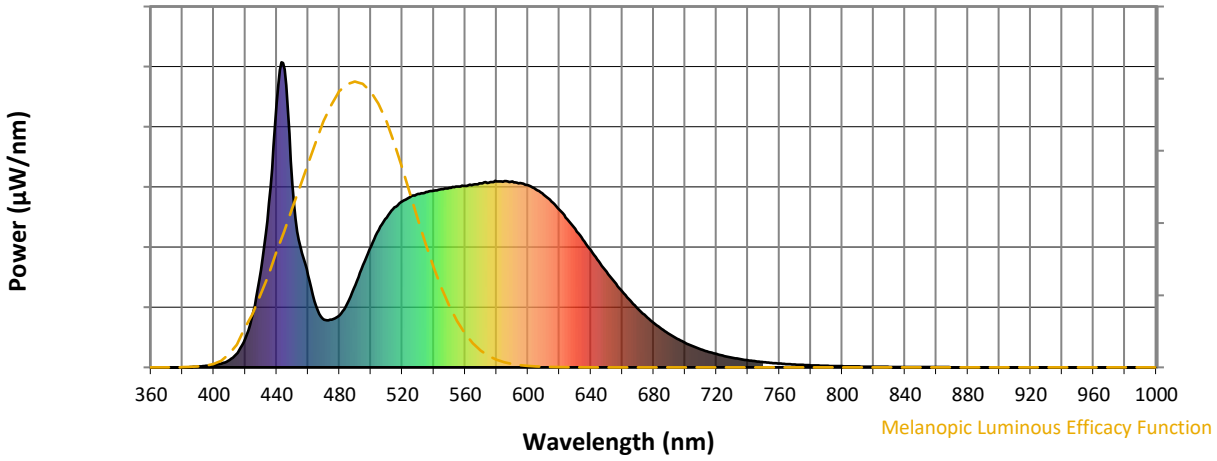



**Scotopic Lumens: NR** **S/P: 1.83**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.74**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

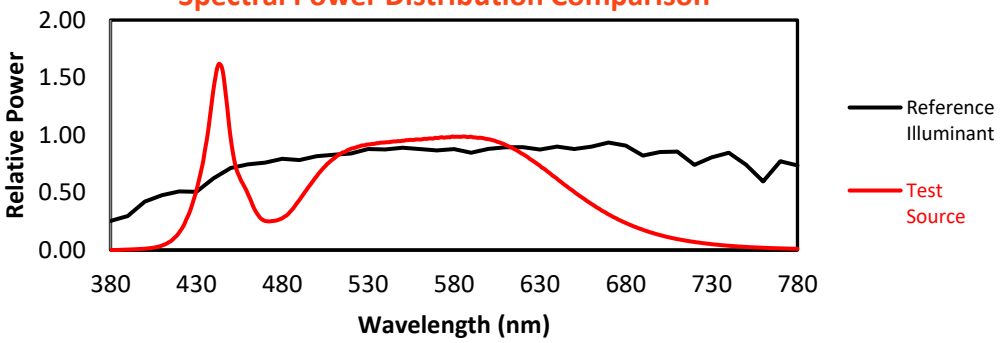
REPORT NUMBER: SP1-2407-184-12

# TM-30-18

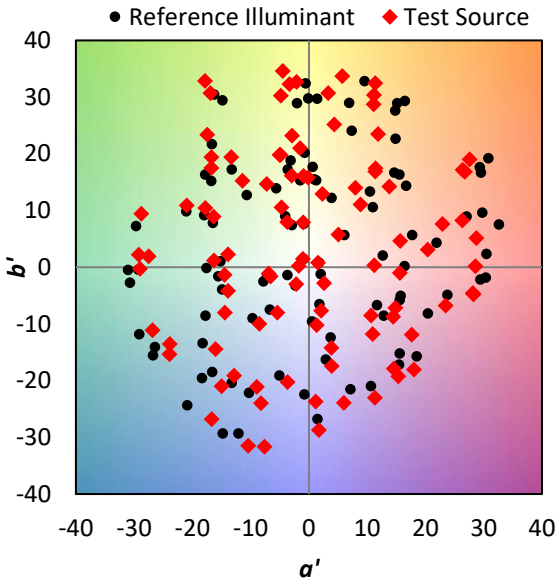
## Summary

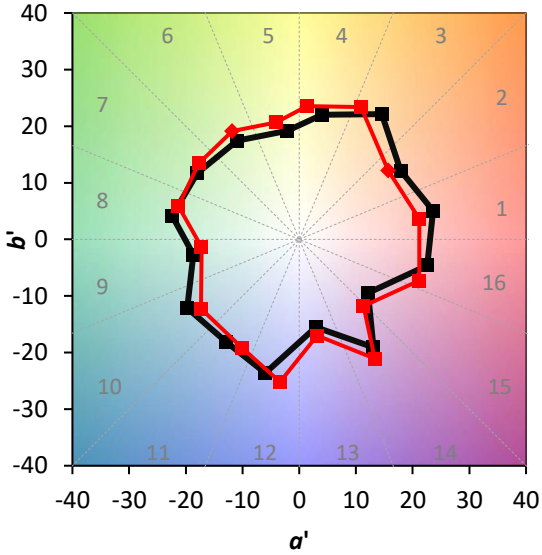
$R_f$ = 82
$R_g$ = 99.4
CIE $R_a$ = 81.1
$R_9$ = 8.7

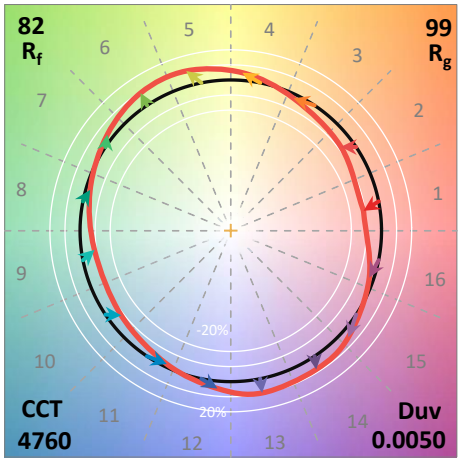
## Spectral Power Distribution Comparison

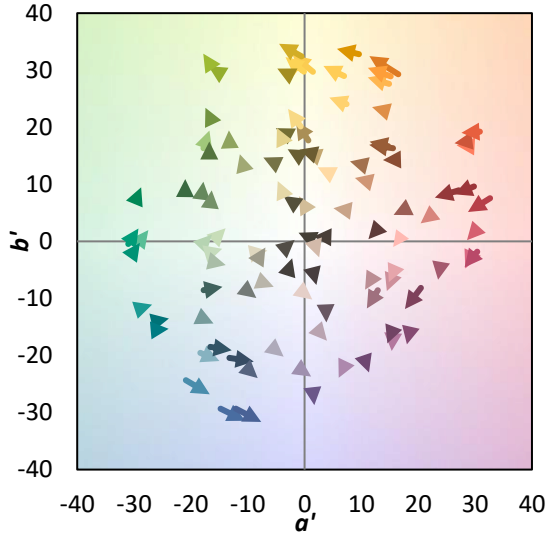



## Color Vector Graphics



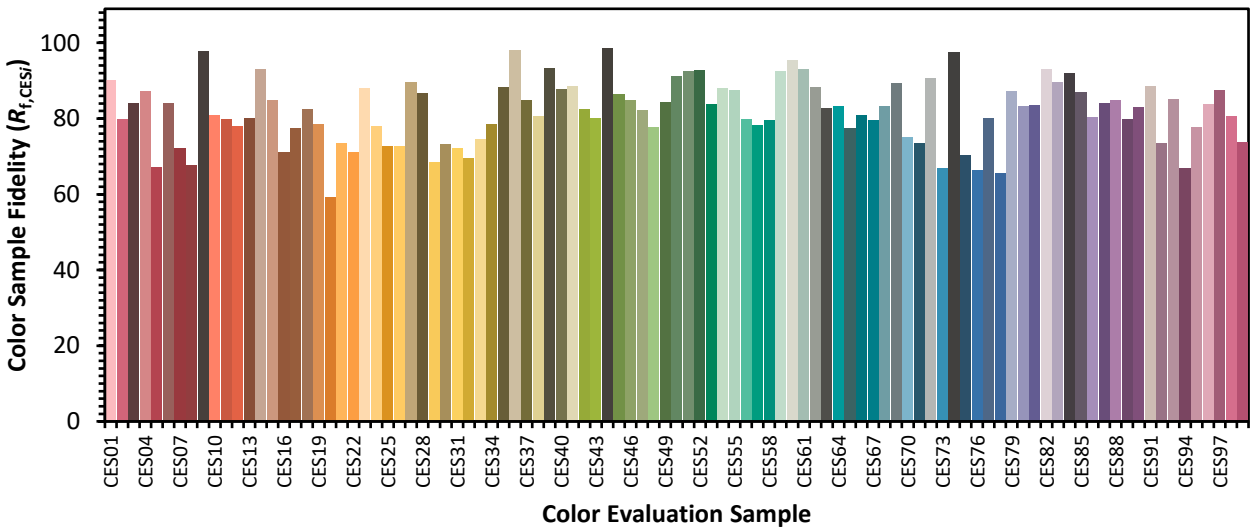



REPORT NUMBER: SP1-2407-184-12

# TM-30-18

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

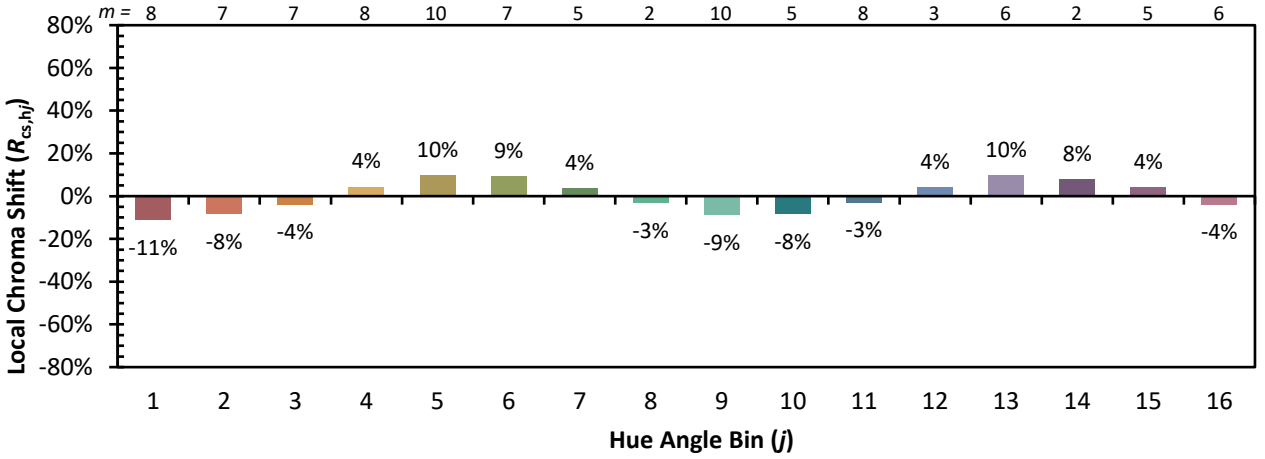
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 73 | CES51 = 92 | CES76 = 66 |
| CES02 = 60 | CES27 = 90 | CES52 = 93 | CES77 = 80 |
| CES03 = 30 | CES28 = 87 | CES53 = 84 | CES78 = 65 |
| CES04 = 69 | CES29 = 69 | CES54 = 88 | CES79 = 87 |
| CES05 = 47 | CES30 = 73 | CES55 = 88 | CES80 = 83 |
| CES06 = 50 | CES31 = 72 | CES56 = 80 | CES81 = 84 |
| CES07 = 40 | CES32 = 69 | CES57 = 78 | CES82 = 93 |
| CES08 = 39 | CES33 = 75 | CES58 = 80 | CES83 = 90 |
| CES09 = 29 | CES34 = 78 | CES59 = 93 | CES84 = 92 |
| CES10 = 73 | CES35 = 88 | CES60 = 95 | CES85 = 87 |
| CES11 = 56 | CES36 = 98 | CES61 = 93 | CES86 = 80 |
| CES12 = 62 | CES37 = 85 | CES62 = 88 | CES87 = 84 |
| CES13 = 42 | CES38 = 81 | CES63 = 83 | CES88 = 85 |
| CES14 = 74 | CES39 = 93 | CES64 = 83 | CES89 = 80 |
| CES15 = 71 | CES40 = 88 | CES65 = 77 | CES90 = 83 |
| CES16 = 46 | CES41 = 89 | CES66 = 81 | CES91 = 89 |
| CES17 = 48 | CES42 = 82 | CES67 = 80 | CES92 = 73 |
| CES18 = 55 | CES43 = 80 | CES68 = 83 | CES93 = 85 |
| CES19 = 70 | CES44 = 99 | CES69 = 89 | CES94 = 67 |
| CES20 = 64 | CES45 = 87 | CES70 = 75 | CES95 = 78 |
| CES21 = 85 | CES46 = 85 | CES71 = 73 | CES96 = 84 |
| CES22 = 77 | CES47 = 82 | CES72 = 91 | CES97 = 87 |
| CES23 = 91 | CES48 = 78 | CES73 = 67 | CES98 = 81 |
| CES24 = 90 | CES49 = 84 | CES74 = 98 | CES99 = 74 |
| CES25 = 71 | CES50 = 91 | CES75 = 70 | |

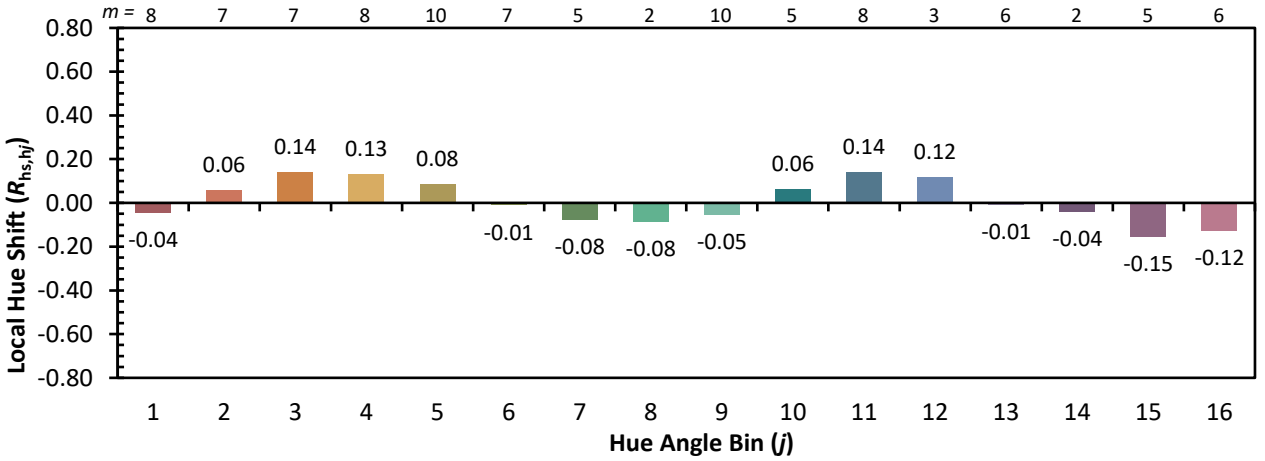


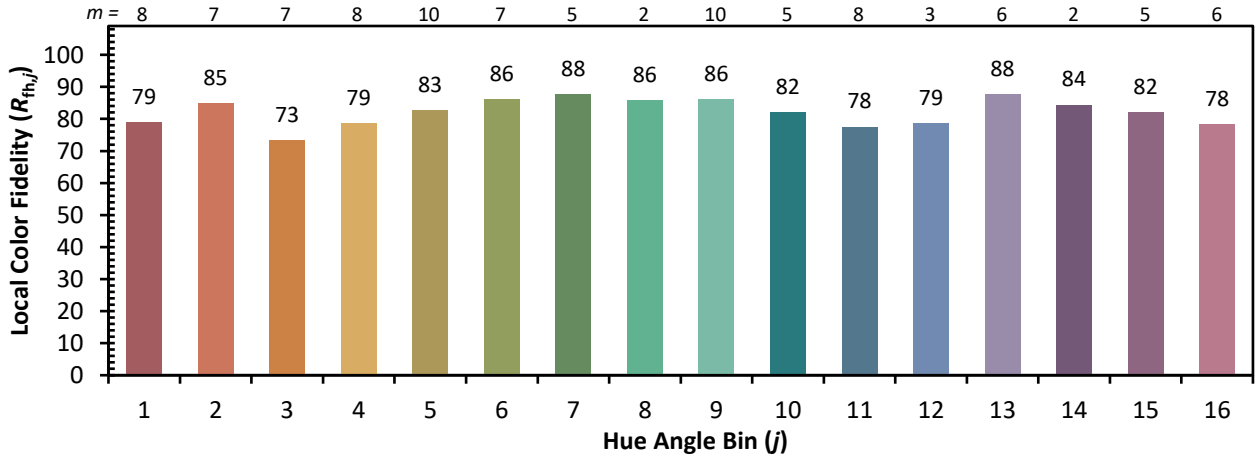
REPORT NUMBER: SP1-2407-184-12

**TM-30-18**

## Color Rendition by Hue-Angle Bin



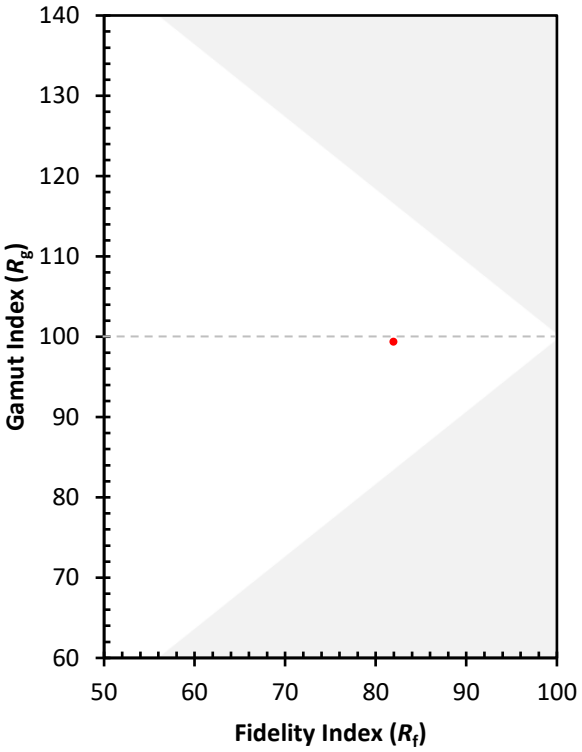



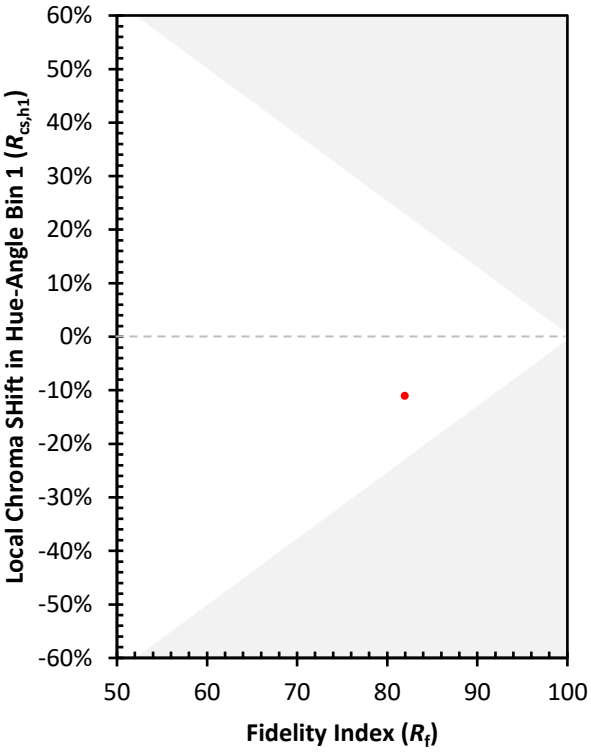



REPORT NUMBER: SP1-2407-184-12

# TM-30-18

## Measure Comparisons




(END OF REPORT)