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: P1364193

Luminaire Tested: **GSS-SB1C-730-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364193 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1C-730-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (26) 3000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 6420.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 123.5 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 |

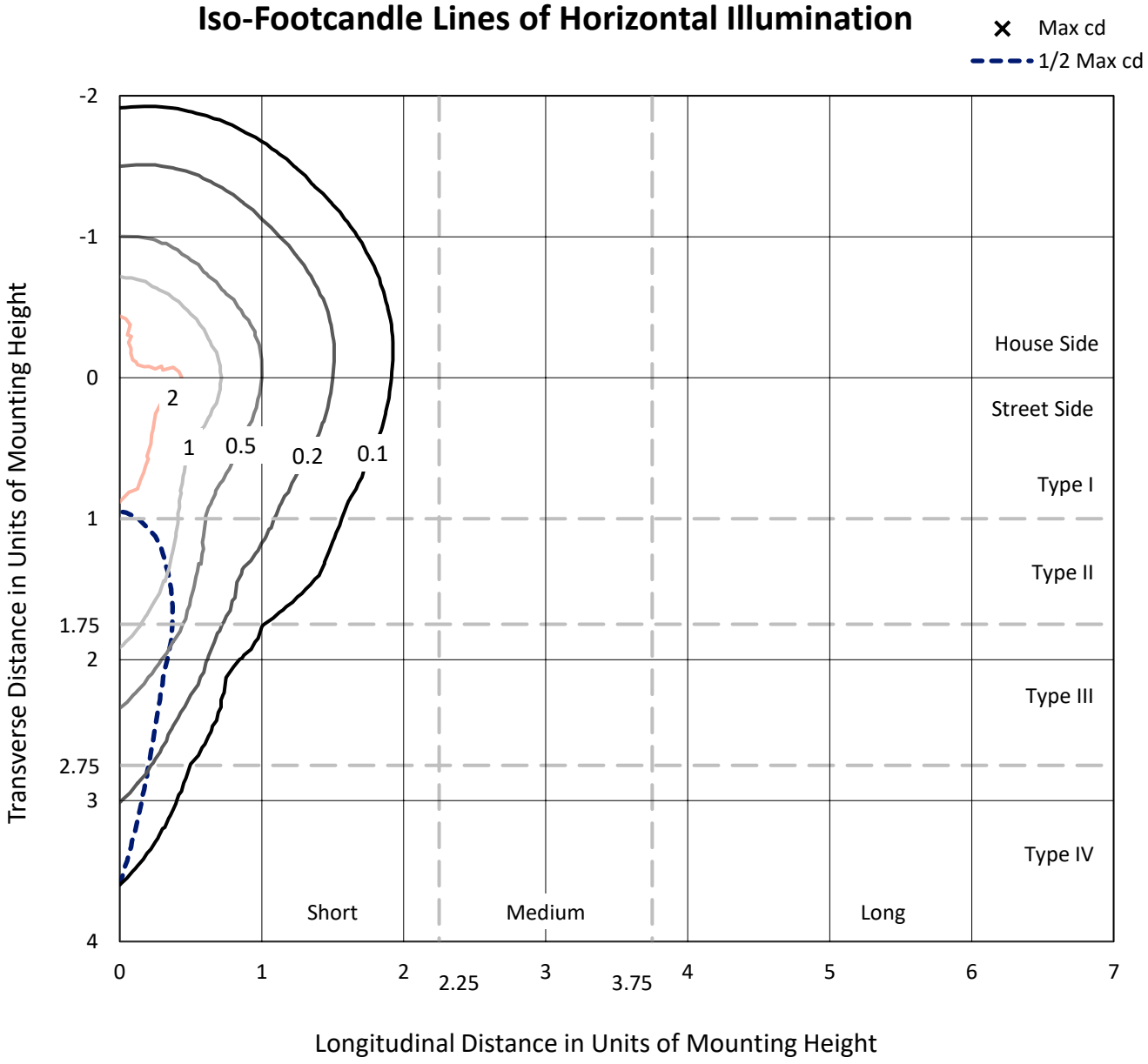
| | |
|---|---|
| Input Watts (W): | 52 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



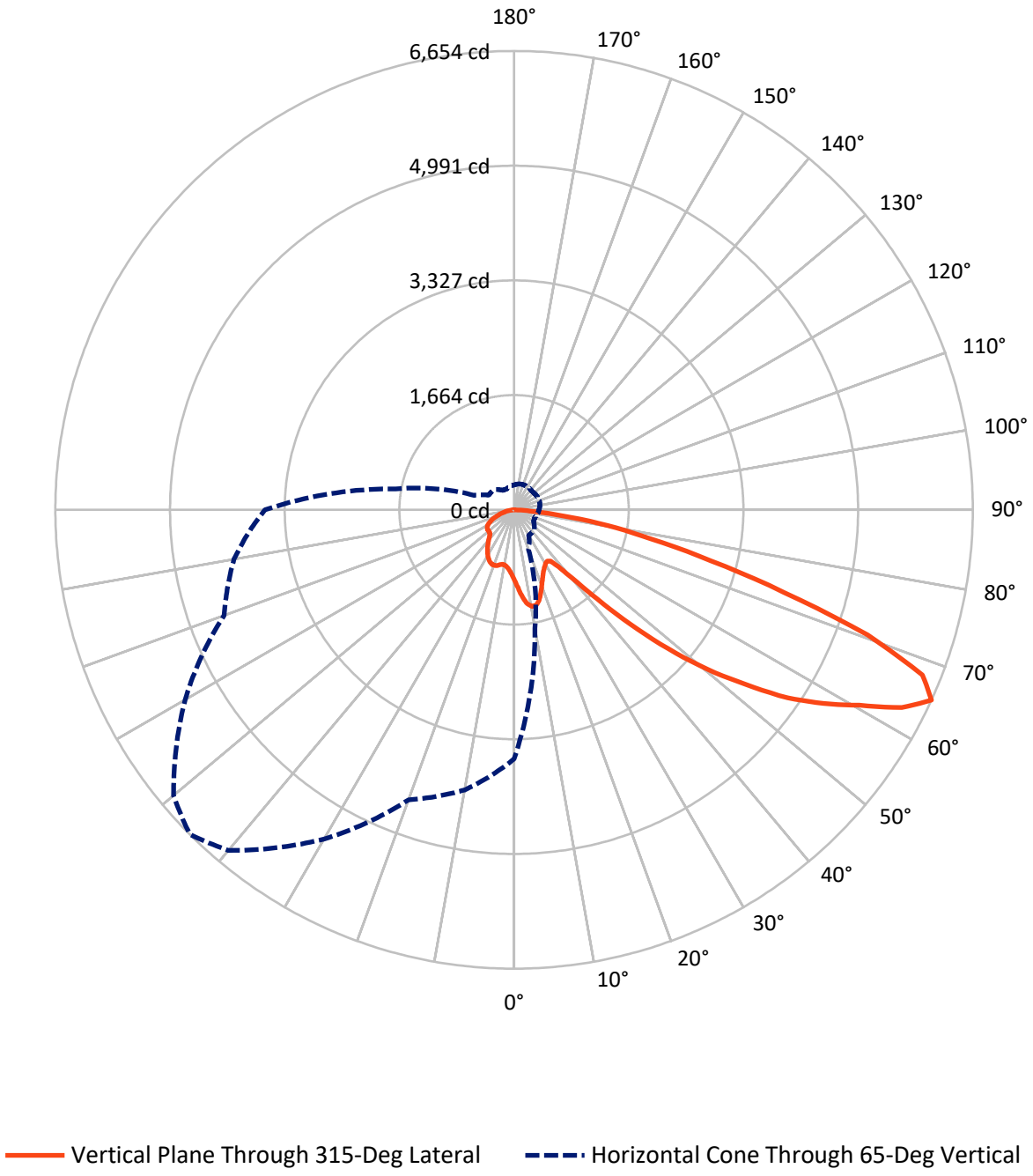

Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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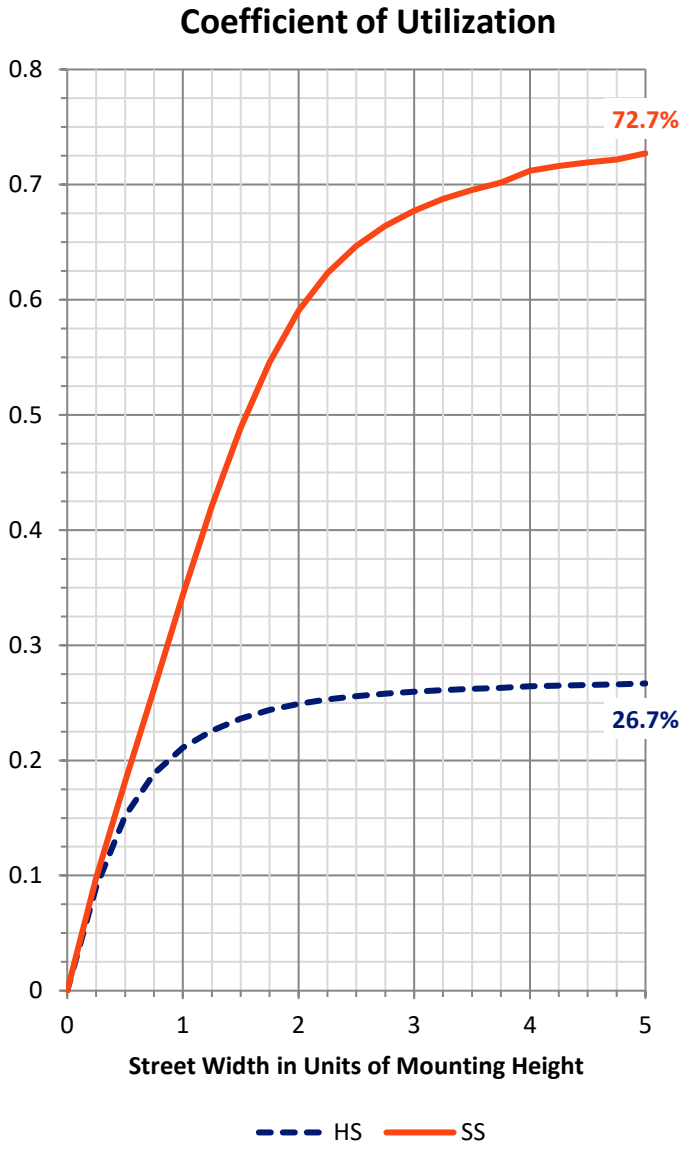
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1727.2 | 0.0 | 1727.2 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 4693.0 | 0.0 | 4693.0 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 6420.1 | 0.0 | 6420.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 101.1 | 1.6 |
| 10°-20° | 309.8 | 4.8 |
| 20°-30° | 479.4 | 7.5 |
| 30°-40° | 594.8 | 9.3 |
| 40°-50° | 869.8 | 13.5 |
| 50°-60° | 1362.4 | 21.2 |
| 60°-70° | 1616.6 | 25.2 |
| 70°-80° | 942.9 | 14.7 |
| 80°-90° | 143.4 | 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° | 6420.1 | 100.0 |
| 0°-180° | 6420.1 | 100.0 |



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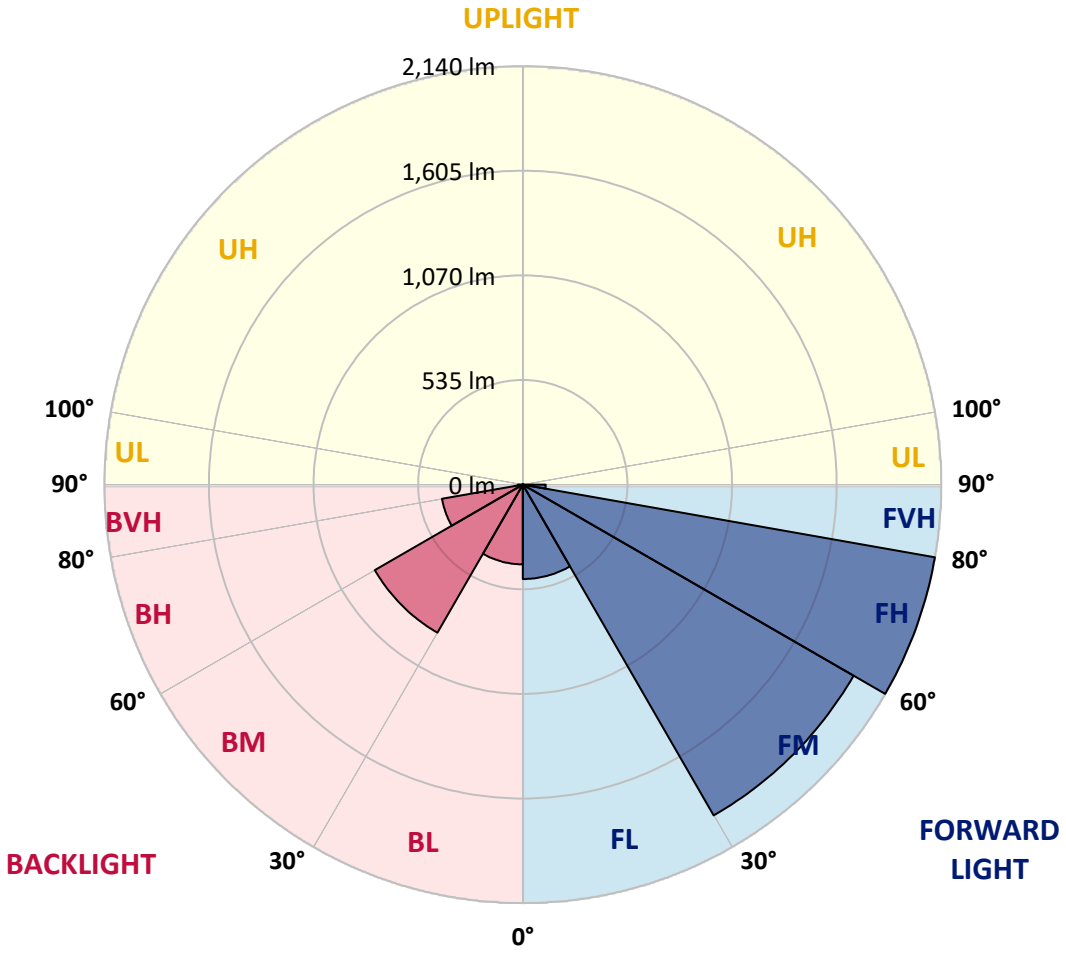
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 482.5 | 7.5 | | | |
| FM | (30°-60°) | 1953.1 | 30.4 | | | |
| FH | (60°-80°) | 2140.0 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 117.3 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 407.7 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 873.8 | 13.6 | B1/1000 | | |
| BH | (60°-80°) | 419.5 | 6.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 26.1 | 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-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 |
| 2.5° | 1106.1 | 1096.1 | 1086.2 | 1077.1 | 1068.0 | 1058.9 | 1049.6 | 1040.8 | 1031.9 | 1022.9 | 1015.1 |
| 5° | 1181.5 | 1163.7 | 1146.2 | 1127.6 | 1109.3 | 1091.2 | 1073.2 | 1056.0 | 1039.1 | 1021.3 | 1006.1 |
| 7.5° | 1257.6 | 1227.8 | 1198.0 | 1169.9 | 1141.8 | 1116.6 | 1091.5 | 1069.1 | 1046.5 | 1022.9 | 1004.5 |
| 10° | 1305.5 | 1269.9 | 1234.1 | 1199.2 | 1164.2 | 1133.3 | 1102.2 | 1076.3 | 1050.4 | 1025.3 | 1005.6 |
| 12.5° | 1329.9 | 1294.4 | 1258.9 | 1219.8 | 1180.7 | 1146.0 | 1111.3 | 1082.7 | 1054.3 | 1026.8 | 1007.7 |
| 15° | 1341.6 | 1305.7 | 1269.9 | 1230.2 | 1190.4 | 1153.1 | 1115.5 | 1083.4 | 1051.2 | 1020.6 | 1003.6 |
| 17.5° | 1344.8 | 1311.2 | 1277.7 | 1235.3 | 1193.0 | 1150.2 | 1107.7 | 1070.2 | 1032.8 | 997.0 | 982.6 |
| 20° | 1355.0 | 1321.1 | 1287.2 | 1241.6 | 1196.1 | 1146.0 | 1095.9 | 1046.6 | 997.3 | 949.9 | 940.8 |
| 22.5° | 1366.0 | 1334.9 | 1304.0 | 1253.9 | 1203.9 | 1142.7 | 1081.5 | 1019.6 | 957.8 | 901.2 | 892.6 |
| 25° | 1383.2 | 1356.4 | 1329.5 | 1274.9 | 1220.3 | 1142.4 | 1064.5 | 987.4 | 910.3 | 845.5 | 844.7 |
| 27.5° | 1408.4 | 1387.8 | 1367.2 | 1305.7 | 1244.3 | 1145.4 | 1046.5 | 954.5 | 862.3 | 796.0 | 800.0 |
| 30° | 1443.7 | 1427.5 | 1411.5 | 1342.1 | 1272.6 | 1151.8 | 1031.2 | 925.7 | 820.4 | 756.0 | 760.2 |
| 32.5° | 1486.9 | 1476.8 | 1466.8 | 1385.0 | 1303.2 | 1159.0 | 1015.1 | 900.6 | 786.3 | 727.0 | 727.0 |
| 35° | 1559.9 | 1547.3 | 1534.8 | 1430.5 | 1326.4 | 1157.3 | 988.4 | 872.0 | 755.5 | 709.7 | 699.9 |
| 37.5° | 1652.5 | 1637.6 | 1622.7 | 1486.1 | 1349.5 | 1152.4 | 955.4 | 840.3 | 725.4 | 689.3 | 670.7 |
| 40° | 1789.1 | 1759.8 | 1730.2 | 1549.7 | 1369.1 | 1141.5 | 913.8 | 802.5 | 691.2 | 662.6 | 639.3 |
| 42.5° | 1980.7 | 1918.5 | 1856.2 | 1620.0 | 1383.6 | 1122.5 | 861.2 | 757.4 | 653.5 | 633.5 | 604.8 |
| 45° | 2218.5 | 2118.8 | 2019.1 | 1715.5 | 1411.8 | 1109.4 | 807.0 | 711.6 | 616.3 | 598.2 | 569.6 |
| 47.5° | 2446.2 | 2320.0 | 2193.7 | 1813.6 | 1433.5 | 1094.2 | 754.9 | 666.0 | 577.5 | 556.6 | 529.9 |
| 50° | 2710.0 | 2538.8 | 2367.7 | 1899.2 | 1430.7 | 1068.3 | 705.8 | 625.5 | 545.1 | 516.6 | 490.2 |
| 52.5° | 3048.3 | 2776.5 | 2504.6 | 1939.7 | 1374.6 | 1015.2 | 656.0 | 589.1 | 522.5 | 485.9 | 457.7 |
| 55° | 3452.6 | 3015.4 | 2578.1 | 1929.0 | 1279.9 | 944.9 | 609.5 | 558.6 | 507.5 | 471.0 | 437.7 |
| 57.5° | 3864.8 | 3215.9 | 2567.1 | 1870.8 | 1174.4 | 871.2 | 568.1 | 532.9 | 497.7 | 467.1 | 426.3 |
| 60° | 4174.1 | 3305.7 | 2437.1 | 1731.2 | 1025.3 | 778.1 | 531.0 | 506.4 | 481.7 | 457.7 | 416.9 |
| 62.5° | 4046.1 | 3106.4 | 2166.7 | 1502.4 | 838.1 | 660.1 | 482.0 | 468.2 | 454.5 | 444.3 | 405.4 |
| 65° | *3614.3* | *2679.4* | *1744.4* | *1178.5* | *612.6* | *518.8* | *424.7* | *421.7* | *418.9* | *416.1* | *383.9* |
| 67.5° | 3209.3 | 2301.1 | 1393.0 | 917.1 | 441.2 | 396.6 | 352.0 | 360.3 | 368.7 | 372.9 | 350.9 |
| 70° | 2821.4 | 1954.9 | 1088.4 | 702.8 | 317.2 | 301.5 | 285.8 | 298.2 | 310.6 | 309.3 | 298.6 |
| 72.5° | 2421.9 | 1623.3 | 824.6 | 528.3 | 232.1 | 231.7 | 231.6 | 241.0 | 250.4 | 237.9 | 244.6 |
| 75° | 1983.0 | 1296.1 | 609.2 | 391.6 | 174.0 | 172.9 | 171.9 | 183.1 | 194.4 | 199.4 | 203.8 |
| 77.5° | 1318.9 | 850.4 | 381.8 | 253.1 | 124.4 | 125.3 | 125.9 | 138.2 | 150.4 | 164.9 | 165.6 |
| 80° | 774.1 | 487.5 | 201.0 | 139.9 | 78.8 | 79.8 | 80.4 | 93.3 | 106.0 | 126.4 | 125.6 |
| 82.5° | 387.0 | 244.3 | 101.7 | 75.2 | 48.7 | 48.8 | 49.0 | 55.3 | 61.5 | 73.0 | 76.1 |
| 85° | 87.9 | 58.1 | 28.3 | 23.9 | 19.6 | 20.6 | 21.7 | 25.7 | 29.8 | 36.1 | 38.0 |
| 87.5° | 7.1 | 6.9 | 6.6 | 6.4 | 6.3 | 6.6 | 7.1 | 7.9 | 8.6 | 9.4 | 11.0 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 |
| 2.5° | 1006.6 | 998.3 | 991.7 | 985.2 | 979.6 | 973.8 | 967.0 | 960.1 | 955.2 | 950.2 | 946.9 |
| 5° | 991.0 | 976.3 | 964.0 | 951.8 | 941.7 | 931.4 | 922.3 | 913.0 | 905.8 | 898.4 | 892.4 |
| 7.5° | 986.2 | 968.0 | 952.1 | 936.1 | 922.6 | 909.1 | 897.8 | 886.3 | 875.5 | 864.8 | 857.9 |
| 10° | 986.3 | 967.2 | 950.8 | 934.5 | 920.2 | 905.9 | 891.0 | 876.1 | 864.2 | 852.2 | 841.9 |
| 12.5° | 991.7 | 975.8 | 964.3 | 953.0 | 939.9 | 926.7 | 908.9 | 891.0 | 874.9 | 858.8 | 846.1 |
| 15° | 993.2 | 982.9 | 981.9 | 981.0 | 976.4 | 971.9 | 955.4 | 938.9 | 916.6 | 894.2 | 876.0 |
| 17.5° | 981.1 | 979.7 | 995.3 | 1010.8 | 1019.8 | 1028.7 | 1017.3 | 1005.6 | 974.2 | 942.8 | 915.7 |
| 20° | 949.7 | 958.5 | 989.0 | 1019.3 | 1043.5 | 1067.7 | 1066.4 | 1065.3 | 1024.3 | 983.2 | 947.5 |
| 22.5° | 905.8 | 918.8 | 958.5 | 998.3 | 1033.1 | 1068.0 | 1076.9 | 1085.7 | 1045.5 | 1005.2 | 961.2 |
| 25° | 859.0 | 873.3 | 910.0 | 946.8 | 984.3 | 1021.8 | 1038.5 | 1055.1 | 1022.0 | 988.8 | 946.1 |
| 27.5° | 813.6 | 827.4 | 854.8 | 882.1 | 912.2 | 942.4 | 961.1 | 979.7 | 959.5 | 939.2 | 904.7 |
| 30° | 770.9 | 781.6 | 801.4 | 821.2 | 841.6 | 862.0 | 876.9 | 891.8 | 878.5 | 865.1 | 840.3 |
| 32.5° | 731.5 | 736.1 | 748.9 | 761.8 | 777.0 | 792.1 | 800.4 | 808.6 | 798.2 | 787.9 | 771.5 |
| 35° | 696.2 | 692.4 | 700.9 | 709.4 | 721.6 | 734.0 | 740.3 | 746.6 | 737.9 | 729.3 | 714.7 |
| 37.5° | 660.7 | 650.3 | 654.4 | 658.2 | 668.7 | 679.1 | 688.0 | 697.1 | 690.8 | 684.6 | 672.2 |
| 40° | 624.3 | 609.2 | 608.9 | 608.4 | 618.5 | 628.3 | 639.7 | 650.8 | 649.7 | 648.4 | 636.7 |
| 42.5° | 585.6 | 566.5 | 564.4 | 562.4 | 572.3 | 582.2 | 594.1 | 606.1 | 608.4 | 610.8 | 601.0 |
| 45° | 549.8 | 530.4 | 527.2 | 524.1 | 532.6 | 541.4 | 554.4 | 567.6 | 573.1 | 578.6 | 569.8 |
| 47.5° | 513.1 | 496.1 | 494.3 | 492.2 | 501.2 | 510.3 | 524.7 | 539.3 | 545.1 | 551.1 | 545.1 |
| 50° | 476.4 | 462.4 | 464.7 | 467.1 | 477.0 | 486.7 | 498.0 | 509.5 | 520.3 | 531.0 | 529.9 |
| 52.5° | 447.3 | 436.8 | 444.2 | 451.4 | 460.3 | 469.5 | 481.2 | 493.0 | 504.3 | 515.8 | 517.5 |
| 55° | 426.1 | 414.5 | 424.9 | 435.2 | 446.1 | 456.9 | 467.9 | 478.9 | 489.6 | 500.1 | 502.4 |
| 57.5° | 409.9 | 393.8 | 404.1 | 414.5 | 426.3 | 438.1 | 449.0 | 460.0 | 472.4 | 484.8 | 486.7 |
| 60° | 396.4 | 376.0 | 382.9 | 389.7 | 401.8 | 413.7 | 425.2 | 436.5 | 449.0 | 461.6 | 464.1 |
| 62.5° | 378.7 | 352.0 | 353.0 | 353.6 | 367.2 | 380.7 | 390.2 | 399.6 | 411.5 | 423.6 | 427.2 |
| 65° | *355.2* | *326.6* | *323.4* | *320.3* | *333.2* | *346.2* | *353.6* | *361.1* | *371.5* | *381.8* | *385.5* |
| 67.5° | 325.6 | 300.2 | 293.8 | 287.3 | 299.3 | 311.2 | 317.3 | 323.4 | 330.5 | 337.6 | 341.7 |
| 70° | 283.6 | 268.5 | 264.4 | 260.3 | 270.1 | 279.8 | 285.1 | 290.5 | 296.1 | 301.8 | 304.0 |
| 72.5° | 241.2 | 237.9 | 234.9 | 232.1 | 239.4 | 246.8 | 251.4 | 255.9 | 261.3 | 266.6 | 267.9 |
| 75° | 201.9 | 200.2 | 198.0 | 195.9 | 201.6 | 207.3 | 210.7 | 214.3 | 219.8 | 225.3 | 227.7 |
| 77.5° | 161.6 | 157.3 | 155.1 | 152.6 | 157.8 | 163.0 | 166.3 | 169.6 | 174.1 | 178.7 | 179.3 |
| 80° | 120.6 | 115.4 | 113.7 | 111.8 | 115.6 | 119.3 | 120.6 | 121.7 | 125.4 | 129.1 | 129.1 |
| 82.5° | 76.1 | 76.1 | 75.1 | 73.8 | 73.0 | 72.2 | 70.7 | 69.1 | 72.9 | 76.6 | 77.9 |
| 85° | 38.3 | 38.5 | 36.7 | 34.9 | 32.7 | 30.1 | 29.7 | 29.0 | 28.9 | 28.6 | 29.7 |
| 87.5° | 11.9 | 12.9 | 13.8 | 14.4 | 15.4 | 16.0 | 15.5 | 14.9 | 14.3 | 13.8 | 12.6 |
| 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° | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 |
| 2.5° | 943.6 | 942.1 | 940.5 | 939.2 | 938.1 | 937.3 | 938.1 | 939.2 | 940.5 | 942.1 | 943.6 |
| 5° | 886.3 | 883.8 | 881.1 | 879.4 | 877.7 | 876.1 | 877.7 | 879.4 | 881.1 | 883.8 | 886.3 |
| 7.5° | 851.0 | 846.9 | 842.8 | 839.8 | 836.9 | 835.3 | 836.9 | 839.8 | 842.8 | 846.9 | 851.0 |
| 10° | 831.8 | 826.0 | 820.4 | 817.2 | 814.1 | 811.7 | 814.1 | 817.2 | 820.4 | 826.0 | 831.8 |
| 12.5° | 833.4 | 826.2 | 819.3 | 814.6 | 809.9 | 807.0 | 809.9 | 814.6 | 819.3 | 826.2 | 833.4 |
| 15° | 857.6 | 847.5 | 837.2 | 831.4 | 825.6 | 821.2 | 825.6 | 831.4 | 837.2 | 847.5 | 857.6 |
| 17.5° | 888.7 | 873.9 | 859.2 | 854.0 | 848.6 | 846.3 | 848.6 | 854.0 | 859.2 | 873.9 | 888.7 |
| 20° | 911.9 | 892.1 | 872.7 | 864.8 | 857.0 | 854.1 | 857.0 | 864.8 | 872.7 | 892.1 | 911.9 |
| 22.5° | 917.2 | 894.0 | 870.6 | 863.2 | 855.7 | 852.6 | 855.7 | 863.2 | 870.6 | 894.0 | 917.2 |
| 25° | 903.6 | 879.1 | 854.4 | 846.9 | 839.2 | 836.9 | 839.2 | 846.9 | 854.4 | 879.1 | 903.6 |
| 27.5° | 870.1 | 848.5 | 826.7 | 818.6 | 810.5 | 805.5 | 810.5 | 818.6 | 826.7 | 848.5 | 870.1 |
| 30° | 815.7 | 799.5 | 783.5 | 778.4 | 773.3 | 770.9 | 773.3 | 778.4 | 783.5 | 799.5 | 815.7 |
| 32.5° | 755.2 | 745.2 | 735.1 | 731.8 | 728.5 | 727.0 | 728.5 | 731.8 | 735.1 | 745.2 | 755.2 |
| 35° | 700.3 | 693.0 | 685.8 | 683.1 | 680.6 | 678.3 | 680.6 | 683.1 | 685.8 | 693.0 | 700.3 |
| 37.5° | 659.8 | 651.3 | 642.5 | 637.8 | 633.1 | 629.6 | 633.1 | 637.8 | 642.5 | 651.3 | 659.8 |
| 40° | 624.9 | 612.6 | 600.6 | 594.1 | 587.5 | 584.1 | 587.5 | 594.1 | 600.6 | 612.6 | 624.9 |
| 42.5° | 591.1 | 577.0 | 562.9 | 553.0 | 543.3 | 537.0 | 543.3 | 553.0 | 562.9 | 577.0 | 591.1 |
| 45° | 560.8 | 545.0 | 529.1 | 517.3 | 505.6 | 497.7 | 505.6 | 517.3 | 529.1 | 545.0 | 560.8 |
| 47.5° | 539.3 | 525.7 | 511.8 | 501.5 | 491.1 | 483.6 | 491.1 | 501.5 | 511.8 | 525.7 | 539.3 |
| 50° | 528.8 | 518.0 | 507.1 | 497.4 | 487.5 | 480.4 | 487.5 | 497.4 | 507.1 | 518.0 | 528.8 |
| 52.5° | 519.4 | 511.5 | 503.7 | 495.2 | 486.7 | 480.4 | 486.7 | 495.2 | 503.7 | 511.5 | 519.4 |
| 55° | 504.8 | 499.1 | 493.3 | 487.0 | 480.8 | 475.7 | 480.8 | 487.0 | 493.3 | 499.1 | 504.8 |
| 57.5° | 488.6 | 482.6 | 476.5 | 471.8 | 467.1 | 464.7 | 467.1 | 471.8 | 476.5 | 482.6 | 488.6 |
| 60° | 466.6 | 461.9 | 457.2 | 452.8 | 448.3 | 444.3 | 448.3 | 452.8 | 457.2 | 461.9 | 466.6 |
| 62.5° | 431.0 | 428.8 | 426.7 | 421.7 | 416.9 | 411.4 | 416.9 | 421.7 | 426.7 | 428.8 | 431.0 |
| 65° | *389.1* | *388.0* | *387.0* | *383.4* | *380.0* | *373.7* | *380.0* | *383.4* | *387.0* | *388.0* | *389.1* |
| 67.5° | 345.7 | 343.7 | 341.5 | 337.7 | 334.1 | 332.9 | 334.1 | 337.7 | 341.5 | 343.7 | 345.7 |
| 70° | 306.2 | 303.0 | 299.9 | 291.4 | 282.9 | 273.2 | 282.9 | 291.4 | 299.9 | 303.0 | 306.2 |
| 72.5° | 269.3 | 264.4 | 259.4 | 249.5 | 239.4 | 229.2 | 239.4 | 249.5 | 259.4 | 264.4 | 269.3 |
| 75° | 230.0 | 223.1 | 216.4 | 205.8 | 195.5 | 188.4 | 195.5 | 205.8 | 216.4 | 223.1 | 230.0 |
| 77.5° | 180.2 | 174.3 | 168.3 | 162.0 | 155.8 | 152.3 | 155.8 | 162.0 | 168.3 | 174.3 | 180.2 |
| 80° | 129.1 | 124.7 | 120.1 | 117.0 | 113.8 | 111.5 | 113.8 | 117.0 | 120.1 | 124.7 | 129.1 |
| 82.5° | 79.3 | 77.2 | 75.4 | 71.9 | 68.3 | 65.9 | 68.3 | 71.9 | 75.4 | 77.2 | 79.3 |
| 85° | 30.6 | 30.1 | 29.8 | 28.6 | 27.5 | 26.7 | 27.5 | 28.6 | 29.8 | 30.1 | 30.6 |
| 87.5° | 11.3 | 10.4 | 9.4 | 8.8 | 8.2 | 7.9 | 8.2 | 8.8 | 9.4 | 10.4 | 11.3 |
| 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
1121 Highway 74 South
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Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 |
| 2.5° | 946.9 | 950.2 | 955.2 | 960.1 | 967.0 | 973.8 | 979.6 | 985.2 | 991.7 | 998.3 | 1006.6 |
| 5° | 892.4 | 898.4 | 905.8 | 913.0 | 922.3 | 931.4 | 941.7 | 951.8 | 964.0 | 976.3 | 991.0 |
| 7.5° | 857.9 | 864.8 | 875.5 | 886.3 | 897.8 | 909.1 | 922.6 | 936.1 | 952.1 | 968.0 | 986.2 |
| 10° | 841.9 | 852.2 | 864.2 | 876.1 | 891.0 | 905.9 | 920.2 | 934.5 | 950.8 | 967.2 | 986.3 |
| 12.5° | 846.1 | 858.8 | 874.9 | 891.0 | 908.9 | 926.7 | 939.9 | 953.0 | 964.3 | 975.8 | 991.7 |
| 15° | 876.0 | 894.2 | 916.6 | 938.9 | 955.4 | 971.9 | 976.4 | 981.0 | 981.9 | 982.9 | 993.2 |
| 17.5° | 915.7 | 942.8 | 974.2 | 1005.6 | 1017.3 | 1028.7 | 1019.8 | 1010.8 | 995.3 | 979.7 | 981.1 |
| 20° | 947.5 | 983.2 | 1024.3 | 1065.3 | 1066.4 | 1067.7 | 1043.5 | 1019.3 | 989.0 | 958.5 | 949.7 |
| 22.5° | 961.2 | 1005.2 | 1045.5 | 1085.7 | 1076.9 | 1068.0 | 1033.1 | 998.3 | 958.5 | 918.8 | 905.8 |
| 25° | 946.1 | 988.8 | 1022.0 | 1055.1 | 1038.5 | 1021.8 | 984.3 | 946.8 | 910.0 | 873.3 | 859.0 |
| 27.5° | 904.7 | 939.2 | 959.5 | 979.7 | 961.1 | 942.4 | 912.2 | 882.1 | 854.8 | 827.4 | 813.6 |
| 30° | 840.3 | 865.1 | 878.5 | 891.8 | 876.9 | 862.0 | 841.6 | 821.2 | 801.4 | 781.6 | 770.9 |
| 32.5° | 771.5 | 787.9 | 798.2 | 808.6 | 800.4 | 792.1 | 777.0 | 761.8 | 748.9 | 736.1 | 731.5 |
| 35° | 714.7 | 729.3 | 737.9 | 746.6 | 740.3 | 734.0 | 721.6 | 709.4 | 700.9 | 692.4 | 696.2 |
| 37.5° | 672.2 | 684.6 | 690.8 | 697.1 | 688.0 | 679.1 | 668.7 | 658.2 | 654.4 | 650.3 | 660.7 |
| 40° | 636.7 | 648.4 | 649.7 | 650.8 | 639.7 | 628.3 | 618.5 | 608.4 | 608.9 | 609.2 | 624.3 |
| 42.5° | 601.0 | 610.8 | 608.4 | 606.1 | 594.1 | 582.2 | 572.3 | 562.4 | 564.4 | 566.5 | 585.6 |
| 45° | 569.8 | 578.6 | 573.1 | 567.6 | 554.4 | 541.4 | 532.6 | 524.1 | 527.2 | 530.4 | 549.8 |
| 47.5° | 545.1 | 551.1 | 545.1 | 539.3 | 524.7 | 510.3 | 501.2 | 492.2 | 494.3 | 496.1 | 513.1 |
| 50° | 529.9 | 531.0 | 520.3 | 509.5 | 498.0 | 486.7 | 477.0 | 467.1 | 464.7 | 462.4 | 476.4 |
| 52.5° | 517.5 | 515.8 | 504.3 | 493.0 | 481.2 | 469.5 | 460.3 | 451.4 | 444.2 | 436.8 | 447.3 |
| 55° | 502.4 | 500.1 | 489.6 | 478.9 | 467.9 | 456.9 | 446.1 | 435.2 | 424.9 | 414.5 | 426.1 |
| 57.5° | 486.7 | 484.8 | 472.4 | 460.0 | 449.0 | 438.1 | 426.3 | 414.5 | 404.1 | 393.8 | 409.9 |
| 60° | 464.1 | 461.6 | 449.0 | 436.5 | 425.2 | 413.7 | 401.8 | 389.7 | 382.9 | 376.0 | 396.4 |
| 62.5° | 427.2 | 423.6 | 411.5 | 399.6 | 390.2 | 380.7 | 367.2 | 353.6 | 353.0 | 352.0 | 378.7 |
| 65° | *385.5* | *381.8* | *371.5* | *361.1* | *353.6* | *346.2* | *333.2* | *320.3* | *323.4* | *326.6* | *355.2* |
| 67.5° | 341.7 | 337.6 | 330.5 | 323.4 | 317.3 | 311.2 | 299.3 | 287.3 | 293.8 | 300.2 | 325.6 |
| 70° | 304.0 | 301.8 | 296.1 | 290.5 | 285.1 | 279.8 | 270.1 | 260.3 | 264.4 | 268.5 | 283.6 |
| 72.5° | 267.9 | 266.6 | 261.3 | 255.9 | 251.4 | 246.8 | 239.4 | 232.1 | 234.9 | 237.9 | 241.2 |
| 75° | 227.7 | 225.3 | 219.8 | 214.3 | 210.7 | 207.3 | 201.6 | 195.9 | 198.0 | 200.2 | 201.9 |
| 77.5° | 179.3 | 178.7 | 174.1 | 169.6 | 166.3 | 163.0 | 157.8 | 152.6 | 155.1 | 157.3 | 161.6 |
| 80° | 129.1 | 129.1 | 125.4 | 121.7 | 120.6 | 119.3 | 115.6 | 111.8 | 113.7 | 115.4 | 120.6 |
| 82.5° | 77.9 | 76.6 | 72.9 | 69.1 | 70.7 | 72.2 | 73.0 | 73.8 | 75.1 | 76.1 | 76.1 |
| 85° | 29.7 | 28.6 | 28.9 | 29.0 | 29.7 | 30.1 | 32.7 | 34.9 | 36.7 | 38.5 | 38.3 |
| 87.5° | 12.6 | 13.8 | 14.3 | 14.9 | 15.5 | 16.0 | 15.4 | 14.4 | 13.8 | 12.9 | 11.9 |
| 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
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 |
| 2.5° | 1015.1 | 1022.9 | 1031.9 | 1040.8 | 1049.6 | 1058.9 | 1068.0 | 1077.1 | 1086.2 | 1096.1 | 1106.1 |
| 5° | 1006.1 | 1021.3 | 1039.1 | 1056.0 | 1073.2 | 1091.2 | 1109.3 | 1127.6 | 1146.2 | 1163.7 | 1181.5 |
| 7.5° | 1004.5 | 1022.9 | 1046.5 | 1069.1 | 1091.5 | 1116.6 | 1141.8 | 1169.9 | 1198.0 | 1227.8 | 1257.6 |
| 10° | 1005.6 | 1025.3 | 1050.4 | 1076.3 | 1102.2 | 1133.3 | 1164.2 | 1199.2 | 1234.1 | 1269.9 | 1305.5 |
| 12.5° | 1007.7 | 1026.8 | 1054.3 | 1082.7 | 1111.3 | 1146.0 | 1180.7 | 1219.8 | 1258.9 | 1294.4 | 1329.9 |
| 15° | 1003.6 | 1020.6 | 1051.2 | 1083.4 | 1115.5 | 1153.1 | 1190.4 | 1230.2 | 1269.9 | 1305.7 | 1341.6 |
| 17.5° | 982.6 | 997.0 | 1032.8 | 1070.2 | 1107.7 | 1150.2 | 1193.0 | 1235.3 | 1277.7 | 1311.2 | 1344.8 |
| 20° | 940.8 | 949.9 | 997.3 | 1046.6 | 1095.9 | 1146.0 | 1196.1 | 1241.6 | 1287.2 | 1321.1 | 1355.0 |
| 22.5° | 892.6 | 901.2 | 957.8 | 1019.6 | 1081.5 | 1142.7 | 1203.9 | 1253.9 | 1304.0 | 1334.9 | 1366.0 |
| 25° | 844.7 | 845.5 | 910.3 | 987.4 | 1064.5 | 1142.4 | 1220.3 | 1274.9 | 1329.5 | 1356.4 | 1383.2 |
| 27.5° | 800.0 | 796.0 | 862.3 | 954.5 | 1046.5 | 1145.4 | 1244.3 | 1305.7 | 1367.2 | 1387.8 | 1408.4 |
| 30° | 760.2 | 756.0 | 820.4 | 925.7 | 1031.2 | 1151.8 | 1272.6 | 1342.1 | 1411.5 | 1427.5 | 1443.7 |
| 32.5° | 727.0 | 727.0 | 786.3 | 900.6 | 1015.1 | 1159.0 | 1303.2 | 1385.0 | 1466.8 | 1476.8 | 1486.9 |
| 35° | 699.9 | 709.7 | 755.5 | 872.0 | 988.4 | 1157.3 | 1326.4 | 1430.5 | 1534.8 | 1547.3 | 1559.9 |
| 37.5° | 670.7 | 689.3 | 725.4 | 840.3 | 955.4 | 1152.4 | 1349.5 | 1486.1 | 1622.7 | 1637.6 | 1652.5 |
| 40° | 639.3 | 662.6 | 691.2 | 802.5 | 913.8 | 1141.5 | 1369.1 | 1549.7 | 1730.2 | 1759.8 | 1789.1 |
| 42.5° | 604.8 | 633.5 | 653.5 | 757.4 | 861.2 | 1122.5 | 1383.6 | 1620.0 | 1856.2 | 1918.5 | 1980.7 |
| 45° | 569.6 | 598.2 | 616.3 | 711.6 | 807.0 | 1109.4 | 1411.8 | 1715.5 | 2019.1 | 2118.8 | 2218.5 |
| 47.5° | 529.9 | 556.6 | 577.5 | 666.0 | 754.9 | 1094.2 | 1433.5 | 1813.6 | 2193.7 | 2320.0 | 2446.2 |
| 50° | 490.2 | 516.6 | 545.1 | 625.5 | 705.8 | 1068.3 | 1430.7 | 1899.2 | 2367.7 | 2538.8 | 2710.0 |
| 52.5° | 457.7 | 485.9 | 522.5 | 589.1 | 656.0 | 1015.2 | 1374.6 | 1939.7 | 2504.6 | 2776.5 | 3048.3 |
| 55° | 437.7 | 471.0 | 507.5 | 558.6 | 609.5 | 944.9 | 1279.9 | 1929.0 | 2578.1 | 3015.4 | 3452.6 |
| 57.5° | 426.3 | 467.1 | 497.7 | 532.9 | 568.1 | 871.2 | 1174.4 | 1870.8 | 2567.1 | 3215.9 | 3864.8 |
| 60° | 416.9 | 457.7 | 481.7 | 506.4 | 531.0 | 778.1 | 1025.3 | 1731.2 | 2437.1 | 3305.7 | 4174.1 |
| 62.5° | 405.4 | 444.3 | 454.5 | 468.2 | 482.0 | 660.1 | 838.1 | 1502.4 | 2166.7 | 3106.4 | 4046.1 |
| 65° | *383.9* | *416.1* | *418.9* | *421.7* | *424.7* | *518.8* | *612.6* | *1178.5* | *1744.4* | *2679.4* | *3614.3* |
| 67.5° | 350.9 | 372.9 | 368.7 | 360.3 | 352.0 | 396.6 | 441.2 | 917.1 | 1393.0 | 2301.1 | 3209.3 |
| 70° | 298.6 | 309.3 | 310.6 | 298.2 | 285.8 | 301.5 | 317.2 | 702.8 | 1088.4 | 1954.9 | 2821.4 |
| 72.5° | 244.6 | 237.9 | 250.4 | 241.0 | 231.6 | 231.7 | 232.1 | 528.3 | 824.6 | 1623.3 | 2421.9 |
| 75° | 203.8 | 199.4 | 194.4 | 183.1 | 171.9 | 172.9 | 174.0 | 391.6 | 609.2 | 1296.1 | 1983.0 |
| 77.5° | 165.6 | 164.9 | 150.4 | 138.2 | 125.9 | 125.3 | 124.4 | 253.1 | 381.8 | 850.4 | 1318.9 |
| 80° | 125.6 | 126.4 | 106.0 | 93.3 | 80.4 | 79.8 | 78.8 | 139.9 | 201.0 | 487.5 | 774.1 |
| 82.5° | 76.1 | 73.0 | 61.5 | 55.3 | 49.0 | 48.8 | 48.7 | 75.2 | 101.7 | 244.3 | 387.0 |
| 85° | 38.0 | 36.1 | 29.8 | 25.7 | 21.7 | 20.6 | 19.6 | 23.9 | 28.3 | 58.1 | 87.9 |
| 87.5° | 11.0 | 9.4 | 8.6 | 7.9 | 7.1 | 6.6 | 6.3 | 6.4 | 6.6 | 6.9 | 7.1 |
| 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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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | *1023.7* | 1023.7 | 1023.7 |
| 2.5° | 1110.1 | 1114.0 | 1118.2 | 1122.6 | 1125.1 | 1127.6 | 1130.3 | 1132.8 | *1135.2* | 1132.8 | 1130.3 |
| 5° | 1199.2 | 1216.8 | 1228.8 | 1240.7 | 1249.8 | 1258.9 | 1264.1 | 1269.4 | *1270.2* | 1269.4 | 1264.1 |
| 7.5° | 1278.7 | 1299.7 | 1317.9 | 1336.1 | 1347.8 | 1359.4 | 1366.1 | 1373.0 | *1375.4* | 1373.0 | 1366.1 |
| 10° | 1330.2 | 1355.0 | 1372.6 | 1390.3 | 1401.1 | 1411.8 | 1417.2 | 1422.5 | *1424.1* | 1422.5 | 1417.2 |
| 12.5° | 1353.6 | 1377.3 | 1390.9 | 1404.4 | 1411.4 | 1418.1 | 1420.6 | 1422.8 | *1420.9* | 1422.8 | 1420.6 |
| 15° | 1355.6 | 1369.4 | 1375.2 | 1380.9 | 1377.6 | 1374.1 | 1369.3 | 1364.4 | *1361.3* | 1364.4 | 1369.3 |
| 17.5° | 1349.6 | 1354.7 | 1344.2 | 1333.8 | 1314.9 | 1296.1 | 1282.0 | 1267.8 | *1257.6* | 1267.8 | 1282.0 |
| 20° | 1347.1 | 1339.3 | 1311.3 | 1283.5 | 1248.2 | 1212.9 | 1189.2 | 1165.3 | *1150.9* | 1165.3 | 1189.2 |
| 22.5° | 1343.8 | 1321.7 | 1274.8 | 1227.8 | 1179.4 | 1131.2 | 1103.9 | 1076.8 | *1061.4* | 1076.8 | 1103.9 |
| 25° | 1345.3 | 1307.1 | 1243.7 | 1180.4 | 1123.6 | 1066.9 | 1037.2 | 1007.7 | *990.7* | 1007.7 | 1037.2 |
| 27.5° | 1350.3 | 1292.2 | 1213.7 | 1135.2 | 1073.6 | 1011.9 | 983.7 | 955.4 | *940.5* | 955.4 | 983.7 |
| 30° | 1366.6 | 1289.4 | 1195.5 | 1101.4 | 1037.0 | 972.7 | 945.0 | 917.2 | *901.2* | 917.2 | 945.0 |
| 32.5° | 1389.5 | 1292.2 | 1187.0 | 1081.8 | 1016.2 | 950.7 | 924.2 | 897.8 | *884.0* | 897.8 | 924.2 |
| 35° | 1436.6 | 1313.4 | 1196.7 | 1080.2 | 1019.3 | 958.5 | 939.1 | 919.8 | *912.2* | 919.8 | 939.1 |
| 37.5° | 1508.5 | 1364.4 | 1244.3 | 1124.2 | 1082.7 | 1041.3 | 1041.3 | 1041.3 | *1047.2* | 1041.3 | 1041.3 |
| 40° | 1627.4 | 1465.7 | 1352.0 | 1238.5 | 1236.0 | 1233.8 | 1260.2 | 1286.7 | *1298.5* | 1286.7 | 1260.2 |
| 42.5° | 1809.7 | 1638.9 | 1547.2 | 1455.5 | 1510.4 | 1565.4 | 1641.7 | 1718.0 | *1767.9* | 1718.0 | 1641.7 |
| 45° | 2052.1 | 1885.7 | 1821.6 | 1757.7 | 1880.0 | 2002.2 | 2137.0 | 2271.9 | *2367.7* | 2271.9 | 2137.0 |
| 47.5° | 2306.1 | 2165.9 | 2129.4 | 2092.9 | 2296.3 | 2499.6 | 2697.3 | 2894.9 | *3011.4* | 2894.9 | 2697.3 |
| 50° | 2584.0 | 2458.0 | 2450.9 | 2443.8 | 2714.7 | 2985.5 | 3240.7 | 3495.8 | *3637.9* | 3495.8 | 3240.7 |
| 52.5° | 2910.0 | 2771.5 | 2777.2 | 2782.5 | 3104.2 | 3425.9 | 3734.5 | 4043.0 | *4203.1* | 4043.0 | 3734.5 |
| 55° | 3279.1 | 3105.6 | 3104.7 | 3103.7 | 3473.3 | 3843.3 | 4222.3 | 4601.6 | *4815.5* | 4601.6 | 4222.3 |
| 57.5° | 3702.3 | 3539.8 | 3501.1 | 3462.4 | 3848.9 | 4235.3 | 4653.9 | 5072.6 | *5297.5* | 5072.6 | 4653.9 |
| 60° | 4084.6 | 3995.1 | 3933.2 | 3871.5 | 4268.4 | 4665.5 | 5097.9 | 5530.2 | *5754.4* | 5530.2 | 5097.9 |
| 62.5° | 4206.1 | 4366.1 | 4361.5 | 4357.0 | 4785.5 | 5213.9 | 5663.6 | 6113.6 | *6314.9* | 6113.6 | 5663.6 |
| 65° | *3869.5* | *4124.6* | *4300.2* | *4475.5* | *4993.5* | *5511.3* | *5979.8* | *6448.3* | *6654.0* | *6448.3* | *5979.8* |
| 67.5° | 3434.1 | 3659.1 | 3802.8 | 3946.4 | 4530.0 | 5113.8 | 5645.4 | 6177.0 | *6388.7* | 6177.0 | 5645.4 |
| 70° | 3070.5 | 3319.5 | 3422.2 | 3524.8 | 4020.7 | 4516.4 | 4937.0 | 5357.5 | *5440.4* | 5357.5 | 4937.0 |
| 72.5° | 2718.0 | 3014.3 | 3057.7 | 3101.2 | 3462.0 | 3822.8 | 4046.9 | 4271.0 | *4090.1* | 4271.0 | 4046.9 |
| 75° | 2317.1 | 2651.1 | 2680.1 | 2709.2 | 2821.6 | 2934.2 | 2991.2 | 3048.3 | *2945.5* | 3048.3 | 2991.2 |
| 77.5° | 1608.1 | 1897.5 | 1962.6 | 2027.8 | 2102.7 | 2177.7 | 2173.8 | 2169.9 | *2025.4* | 2169.9 | 2173.8 |
| 80° | 1000.3 | 1226.6 | 1235.0 | 1243.5 | 1299.7 | 1355.8 | 1413.1 | 1470.4 | *1378.5* | 1470.4 | 1413.1 |
| 82.5° | 511.2 | 635.6 | 654.7 | 673.9 | 708.3 | 742.7 | 758.7 | 774.8 | *697.1* | 774.8 | 758.7 |
| 85° | 120.3 | 152.6 | 183.9 | 215.1 | 251.2 | 287.3 | 283.2 | 279.2 | *235.5* | 279.2 | 283.2 |
| 87.5° | 7.2 | 7.5 | 7.7 | 7.9 | 8.0 | 8.2 | 8.6 | 9.1 | *9.4* | 9.1 | 8.6 |
| 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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REPORT NUMBER: P1364193
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**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 | 1023.7 |
| 2.5° | 1127.6 | 1125.1 | 1122.6 | 1118.2 | 1114.0 | 1110.1 | 1106.1 |
| 5° | 1258.9 | 1249.8 | 1240.7 | 1228.8 | 1216.8 | 1199.2 | 1181.5 |
| 7.5° | 1359.4 | 1347.8 | 1336.1 | 1317.9 | 1299.7 | 1278.7 | 1257.6 |
| 10° | 1411.8 | 1401.1 | 1390.3 | 1372.6 | 1355.0 | 1330.2 | 1305.5 |
| 12.5° | 1418.1 | 1411.4 | 1404.4 | 1390.9 | 1377.3 | 1353.6 | 1329.9 |
| 15° | 1374.1 | 1377.6 | 1380.9 | 1375.2 | 1369.4 | 1355.6 | 1341.6 |
| 17.5° | 1296.1 | 1314.9 | 1333.8 | 1344.2 | 1354.7 | 1349.6 | 1344.8 |
| 20° | 1212.9 | 1248.2 | 1283.5 | 1311.3 | 1339.3 | 1347.1 | 1355.0 |
| 22.5° | 1131.2 | 1179.4 | 1227.8 | 1274.8 | 1321.7 | 1343.8 | 1366.0 |
| 25° | 1066.9 | 1123.6 | 1180.4 | 1243.7 | 1307.1 | 1345.3 | 1383.2 |
| 27.5° | 1011.9 | 1073.6 | 1135.2 | 1213.7 | 1292.2 | 1350.3 | 1408.4 |
| 30° | 972.7 | 1037.0 | 1101.4 | 1195.5 | 1289.4 | 1366.6 | 1443.7 |
| 32.5° | 950.7 | 1016.2 | 1081.8 | 1187.0 | 1292.2 | 1389.5 | 1486.9 |
| 35° | 958.5 | 1019.3 | 1080.2 | 1196.7 | 1313.4 | 1436.6 | 1559.9 |
| 37.5° | 1041.3 | 1082.7 | 1124.2 | 1244.3 | 1364.4 | 1508.5 | 1652.5 |
| 40° | 1233.8 | 1236.0 | 1238.5 | 1352.0 | 1465.7 | 1627.4 | 1789.1 |
| 42.5° | 1565.4 | 1510.4 | 1455.5 | 1547.2 | 1638.9 | 1809.7 | 1980.7 |
| 45° | 2002.2 | 1880.0 | 1757.7 | 1821.6 | 1885.7 | 2052.1 | 2218.5 |
| 47.5° | 2499.6 | 2296.3 | 2092.9 | 2129.4 | 2165.9 | 2306.1 | 2446.2 |
| 50° | 2985.5 | 2714.7 | 2443.8 | 2450.9 | 2458.0 | 2584.0 | 2710.0 |
| 52.5° | 3425.9 | 3104.2 | 2782.5 | 2777.2 | 2771.5 | 2910.0 | 3048.3 |
| 55° | 3843.3 | 3473.3 | 3103.7 | 3104.7 | 3105.6 | 3279.1 | 3452.6 |
| 57.5° | 4235.3 | 3848.9 | 3462.4 | 3501.1 | 3539.8 | 3702.3 | 3864.8 |
| 60° | 4665.5 | 4268.4 | 3871.5 | 3933.2 | 3995.1 | 4084.6 | 4174.1 |
| 62.5° | 5213.9 | 4785.5 | 4357.0 | 4361.5 | 4366.1 | 4206.1 | 4046.1 |
| 65° | *5511.3* | *4993.5* | *4475.5* | *4300.2* | *4124.6* | *3869.5* | *3614.3* |
| 67.5° | 5113.8 | 4530.0 | 3946.4 | 3802.8 | 3659.1 | 3434.1 | 3209.3 |
| 70° | 4516.4 | 4020.7 | 3524.8 | 3422.2 | 3319.5 | 3070.5 | 2821.4 |
| 72.5° | 3822.8 | 3462.0 | 3101.2 | 3057.7 | 3014.3 | 2718.0 | 2421.9 |
| 75° | 2934.2 | 2821.6 | 2709.2 | 2680.1 | 2651.1 | 2317.1 | 1983.0 |
| 77.5° | 2177.7 | 2102.7 | 2027.8 | 1962.6 | 1897.5 | 1608.1 | 1318.9 |
| 80° | 1355.8 | 1299.7 | 1243.5 | 1235.0 | 1226.6 | 1000.3 | 774.1 |
| 82.5° | 742.7 | 708.3 | 673.9 | 654.7 | 635.6 | 511.2 | 387.0 |
| 85° | 287.3 | 251.2 | 215.1 | 183.9 | 152.6 | 120.3 | 87.9 |
| 87.5° | 8.2 | 8.0 | 7.9 | 7.7 | 7.5 | 7.2 | 7.1 |
| 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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

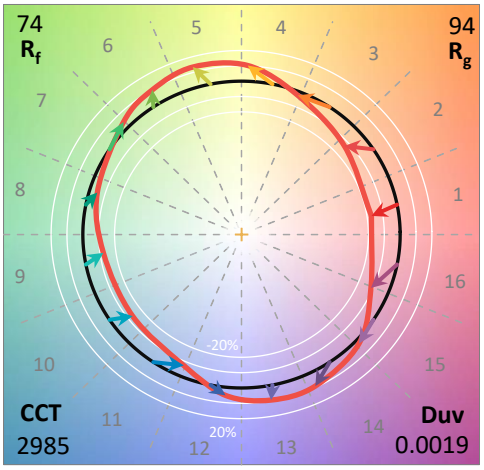
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-4 |
| 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-730-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2985 |
| CIE u': | 0.2504 |
| CIE v': | 0.5243 |
| Duv: | 0.0019 |
| CIE x: | 0.4408 |
| CIE y: | 0.4101 |
| CIE z: | 0.1491 |
| Peak Wavelength (nm): | 595 |
| Dominant Wavelength (nm): | 582 |
| Purity: | 55.41818 |
| Rf: | 73.8 |
| Rg: | 94.4 |

| | |
|---|---|
| CRI (Ra): | 70.8 |
| R1: | 66.3 |
| R2: | 80.6 |
| R3: | 94.5 |
| R4: | 68.2 |
| R5: | 66.5 |
| R6: | 74.7 |
| R7: | 76.2 |
| R8: | 39.6 |
| R9: | -43.2 |
| R10: | 57.6 |
| R11: | 64.8 |
| R12: | 53.5 |
| R13: | 68.7 |
| R14: | 97.0 |
| R15: | 56.4 |



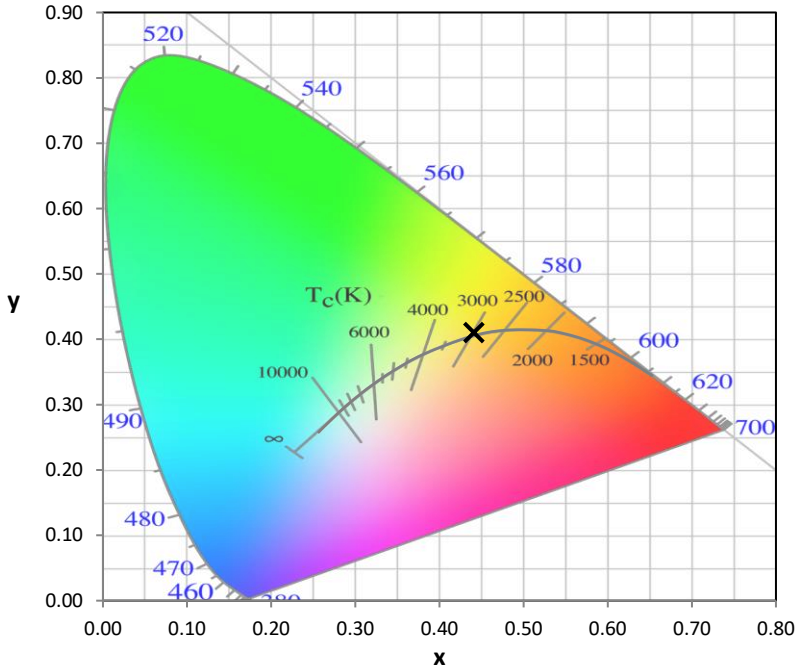

## Test Conditions

| | |
|---|---|
| Stabilization Time: | 36M |
| Operation Time: | 1H 36M |
| Sphere Temperature (°C): | 25.2 |

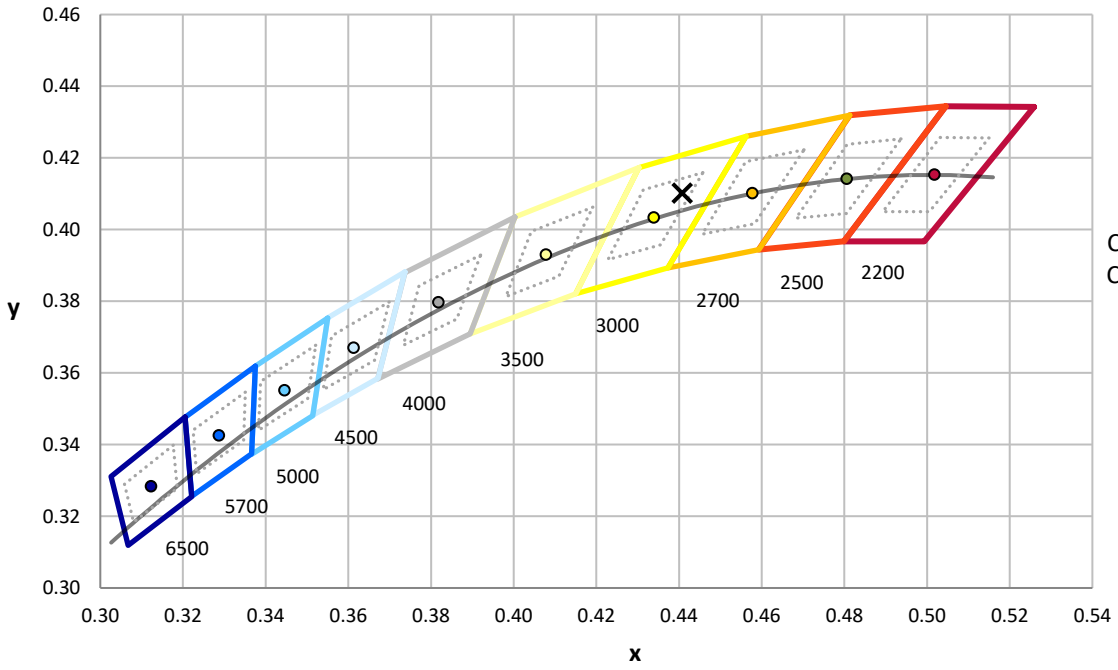
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

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## CIE 1931 Chromaticity Diagram




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

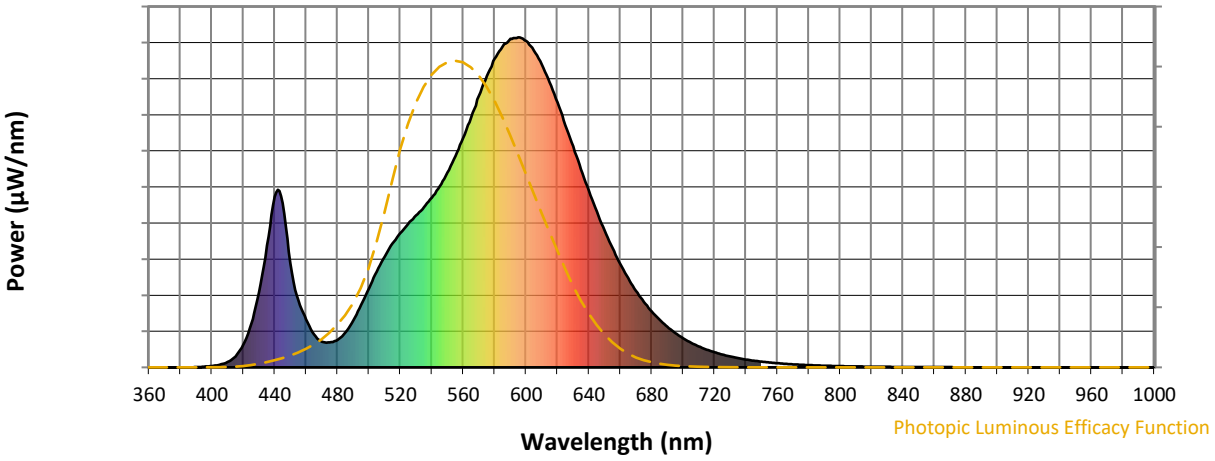



CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

## Photopic Flux vs. Wavelength

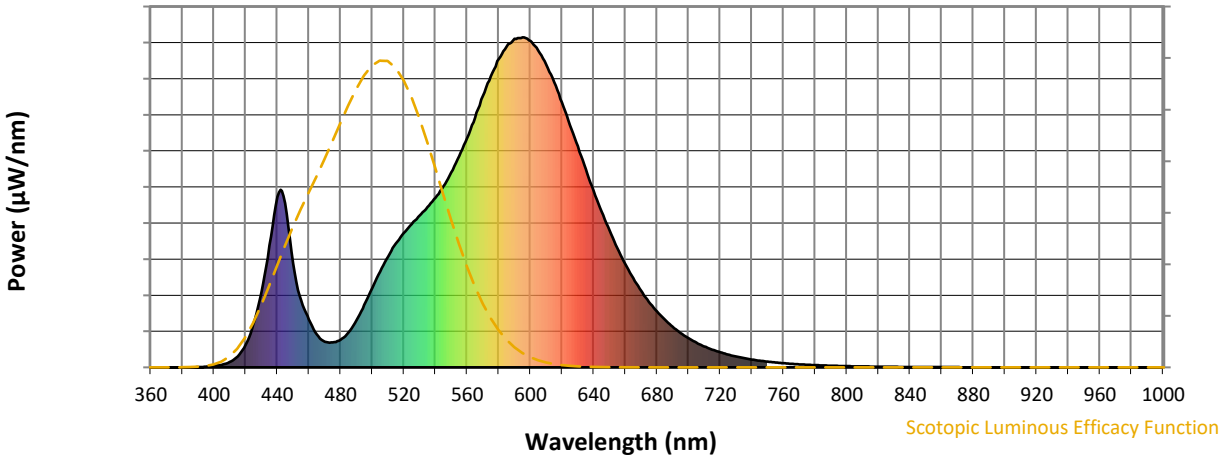



## Photopic Lumens: NR

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-4

## Scotopic Flux vs. Wavelength

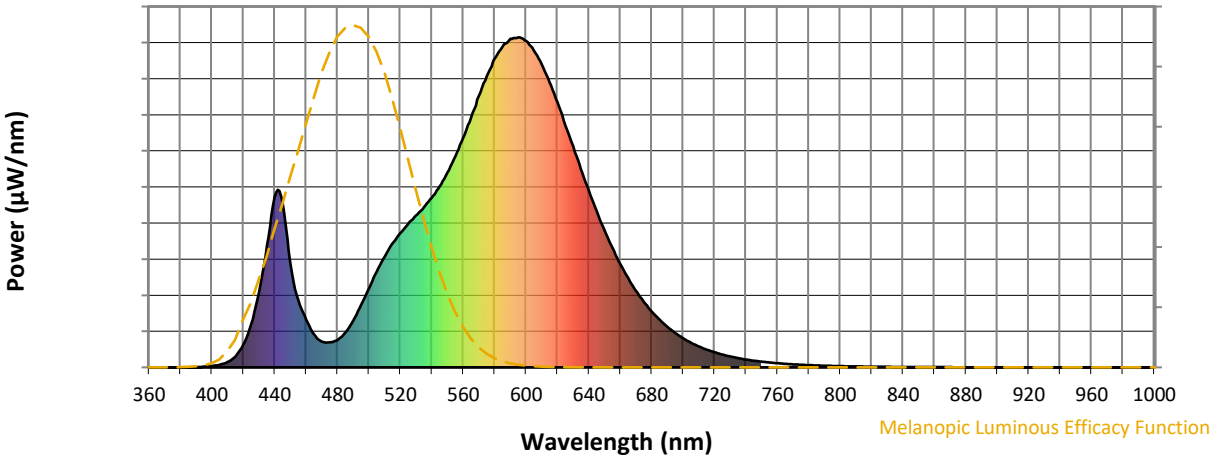



**Scotopic Lumens: NR** **S/P: 1.19**

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.13**

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

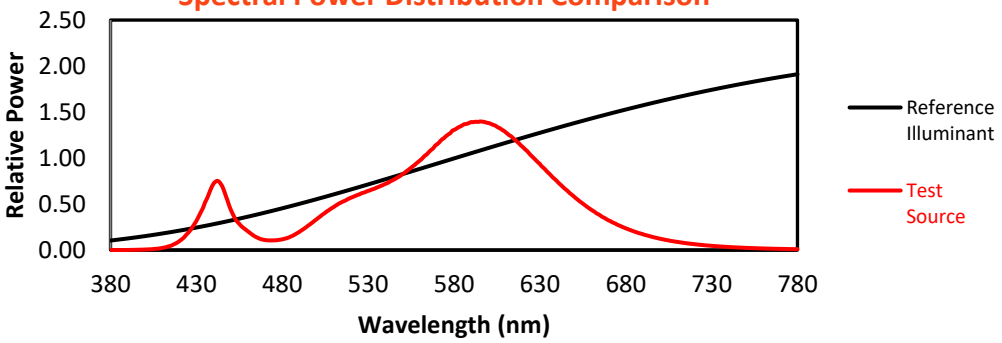
REPORT NUMBER: SP1-2407-184-4

# TM-30-18

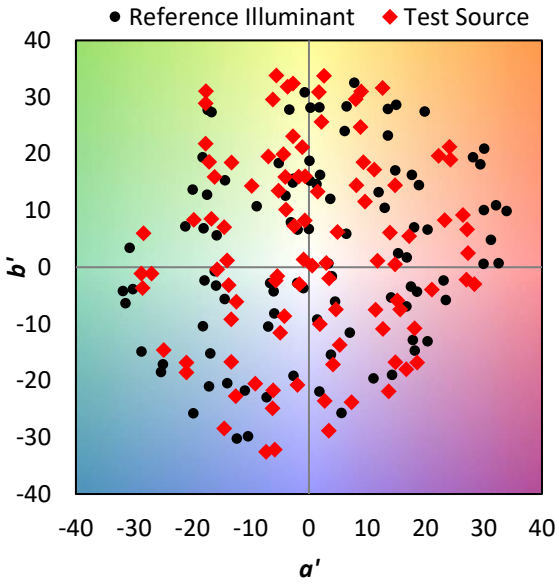
## Summary

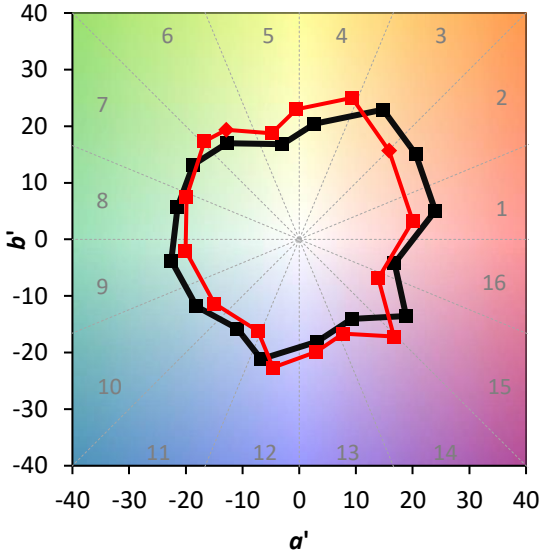
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$R_g$ = 94.4
CIE $R_a$ = 70.8
$R_9$ = -43.2

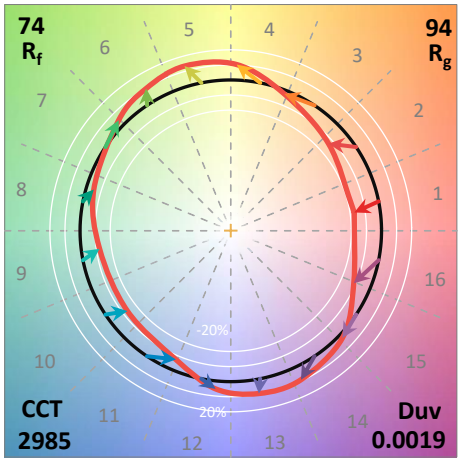
## Spectral Power Distribution Comparison

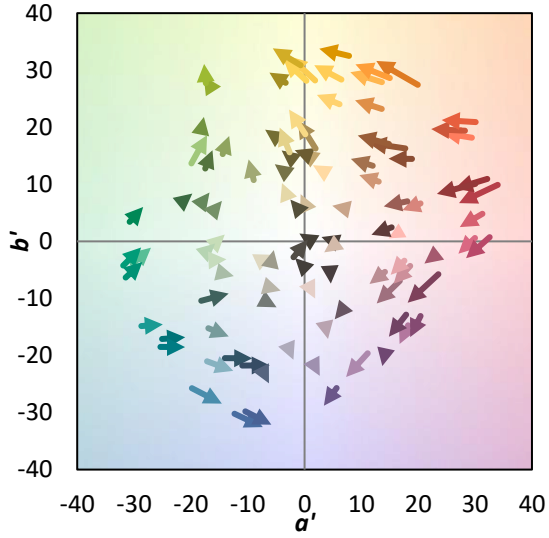



## Color Vector Graphics



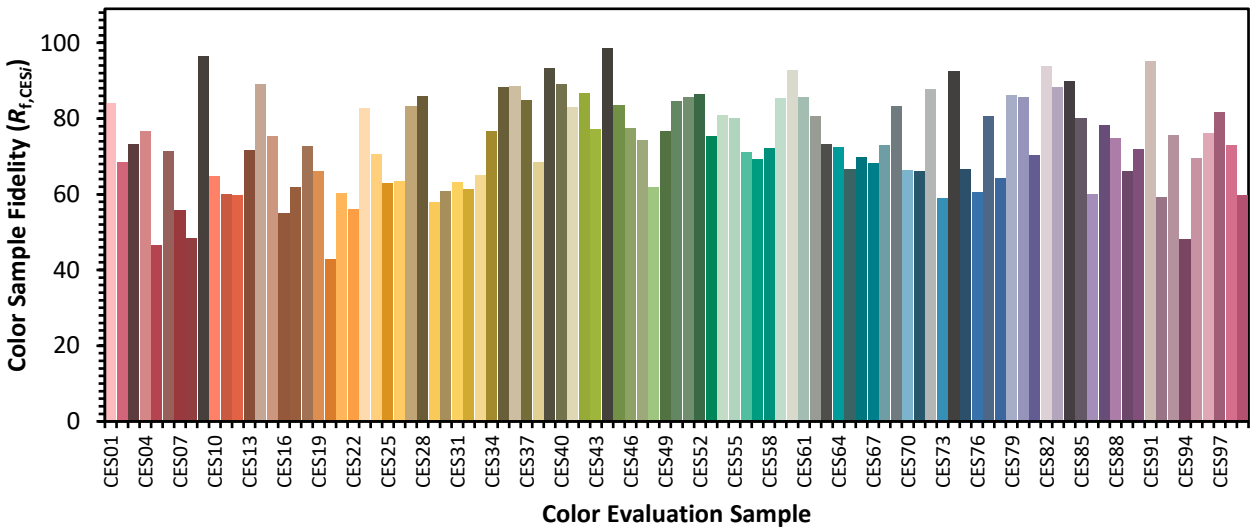



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

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

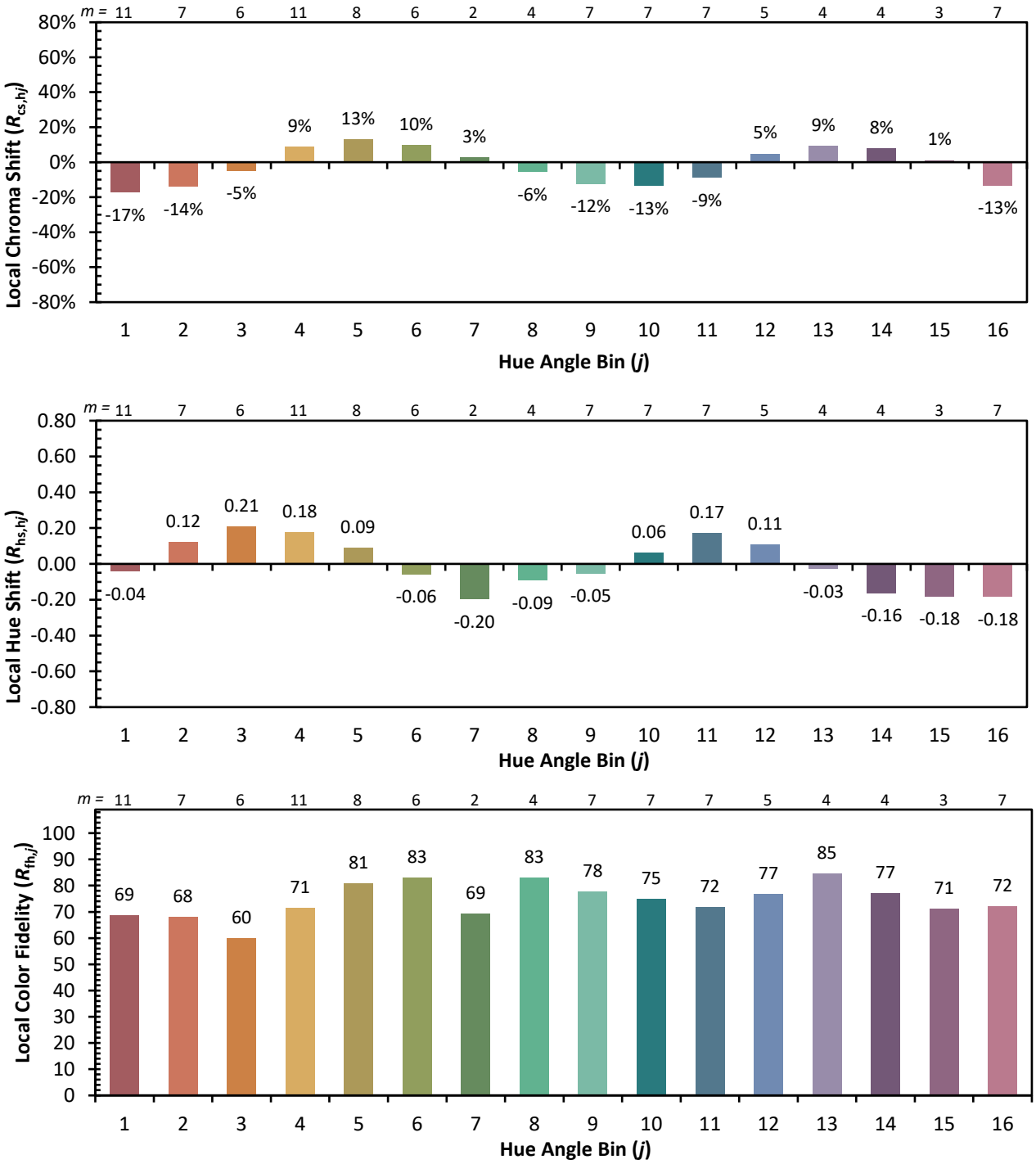
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 63 | CES51 = 86 | CES76 = 61 |
| CES02 = 62 | CES27 = 83 | CES52 = 86 | CES77 = 81 |
| CES03 = 31 | CES28 = 86 | CES53 = 75 | CES78 = 64 |
| CES04 = 71 | CES29 = 58 | CES54 = 81 | CES79 = 86 |
| CES05 = 49 | CES30 = 61 | CES55 = 80 | CES80 = 86 |
| CES06 = 51 | CES31 = 63 | CES56 = 71 | CES81 = 70 |
| CES07 = 41 | CES32 = 61 | CES57 = 69 | CES82 = 94 |
| CES08 = 40 | CES33 = 65 | CES58 = 72 | CES83 = 88 |
| CES09 = 29 | CES34 = 77 | CES59 = 85 | CES84 = 90 |
| CES10 = 76 | CES35 = 88 | CES60 = 93 | CES85 = 80 |
| CES11 = 59 | CES36 = 89 | CES61 = 86 | CES86 = 60 |
| CES12 = 65 | CES37 = 85 | CES62 = 81 | CES87 = 78 |
| CES13 = 43 | CES38 = 69 | CES63 = 73 | CES88 = 75 |
| CES14 = 74 | CES39 = 93 | CES64 = 72 | CES89 = 66 |
| CES15 = 71 | CES40 = 89 | CES65 = 67 | CES90 = 72 |
| CES16 = 47 | CES41 = 83 | CES66 = 70 | CES91 = 95 |
| CES17 = 50 | CES42 = 87 | CES67 = 68 | CES92 = 59 |
| CES18 = 56 | CES43 = 77 | CES68 = 73 | CES93 = 76 |
| CES19 = 73 | CES44 = 99 | CES69 = 83 | CES94 = 48 |
| CES20 = 66 | CES45 = 83 | CES70 = 66 | CES95 = 70 |
| CES21 = 87 | CES46 = 77 | CES71 = 66 | CES96 = 76 |
| CES22 = 79 | CES47 = 74 | CES72 = 88 | CES97 = 82 |
| CES23 = 92 | CES48 = 62 | CES73 = 59 | CES98 = 73 |
| CES24 = 91 | CES49 = 77 | CES74 = 93 | CES99 = 60 |
| CES25 = 73 | CES50 = 85 | CES75 = 67 | |



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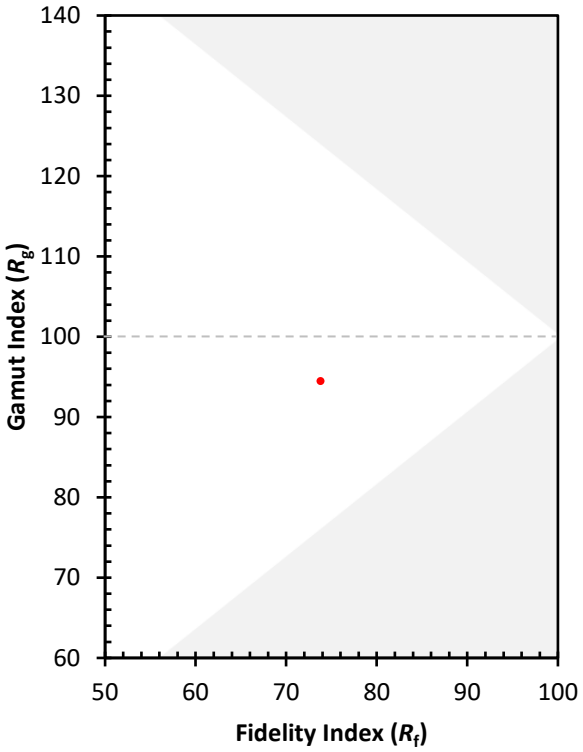
## Color Rendition by Hue-Angle Bin

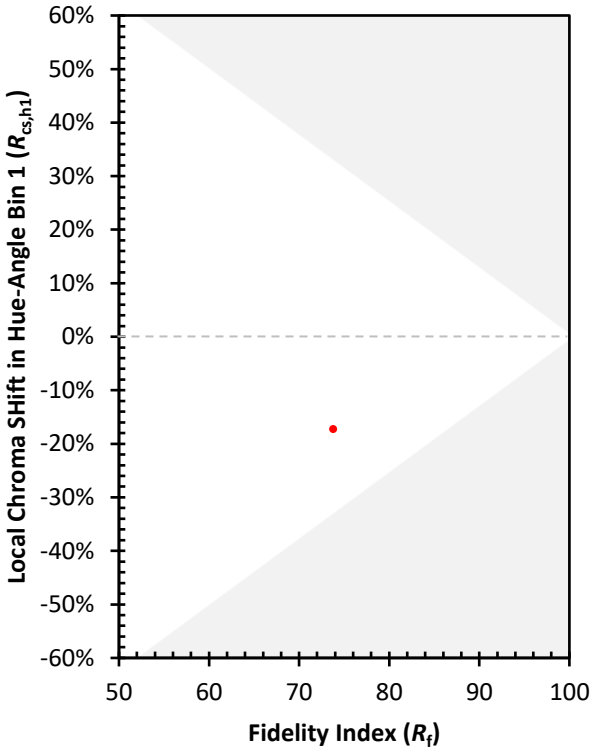


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## Measure Comparisons




(END OF REPORT)