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: P1364192

Luminaire Tested: **GSS-SB1B-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: | P1364192 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1B-730-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 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: | 4868.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 121.7 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G1 |

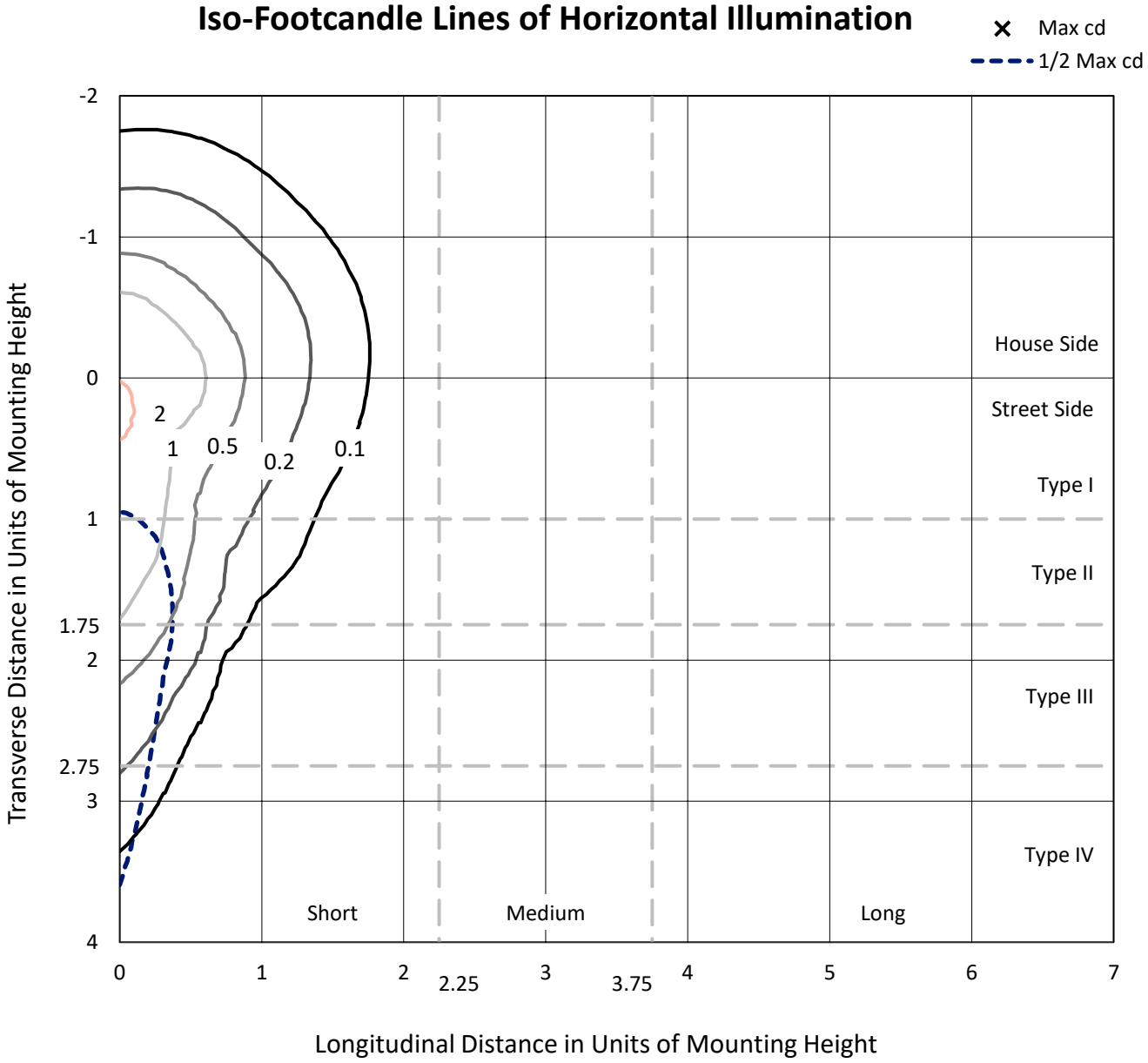
| | |
|---|---|
| Input Watts (W): | 40 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 5.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



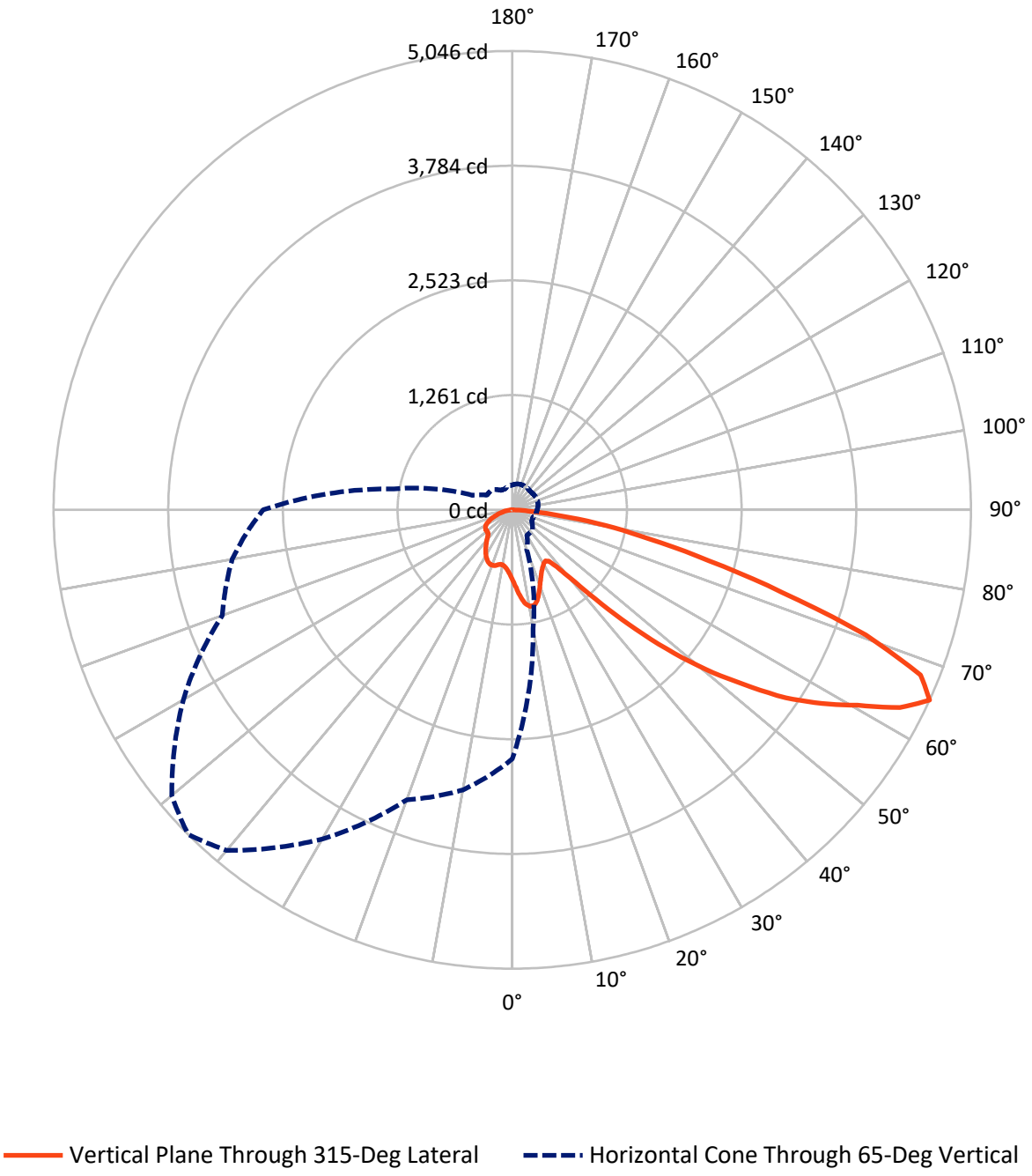

Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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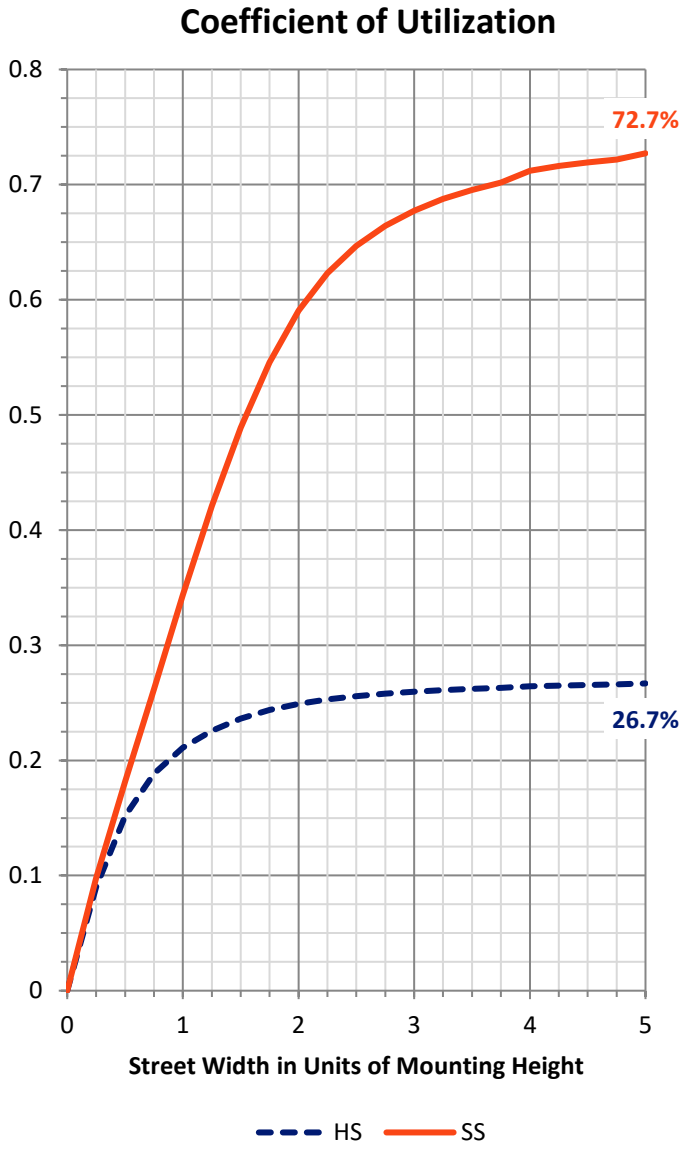
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1309.7 | 0.0 | 1309.7 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 3558.6 | 0.0 | 3558.6 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 4868.2 | 0.0 | 4868.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 76.6 | 1.6 |
| 10°-20° | 234.9 | 4.8 |
| 20°-30° | 363.5 | 7.5 |
| 30°-40° | 451.0 | 9.3 |
| 40°-50° | 659.5 | 13.5 |
| 50°-60° | 1033.1 | 21.2 |
| 60°-70° | 1225.8 | 25.2 |
| 70°-80° | 715.0 | 14.7 |
| 80°-90° | 108.8 | 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° | 4868.2 | 100.0 |
| 0°-180° | 4868.2 | 100.0 |



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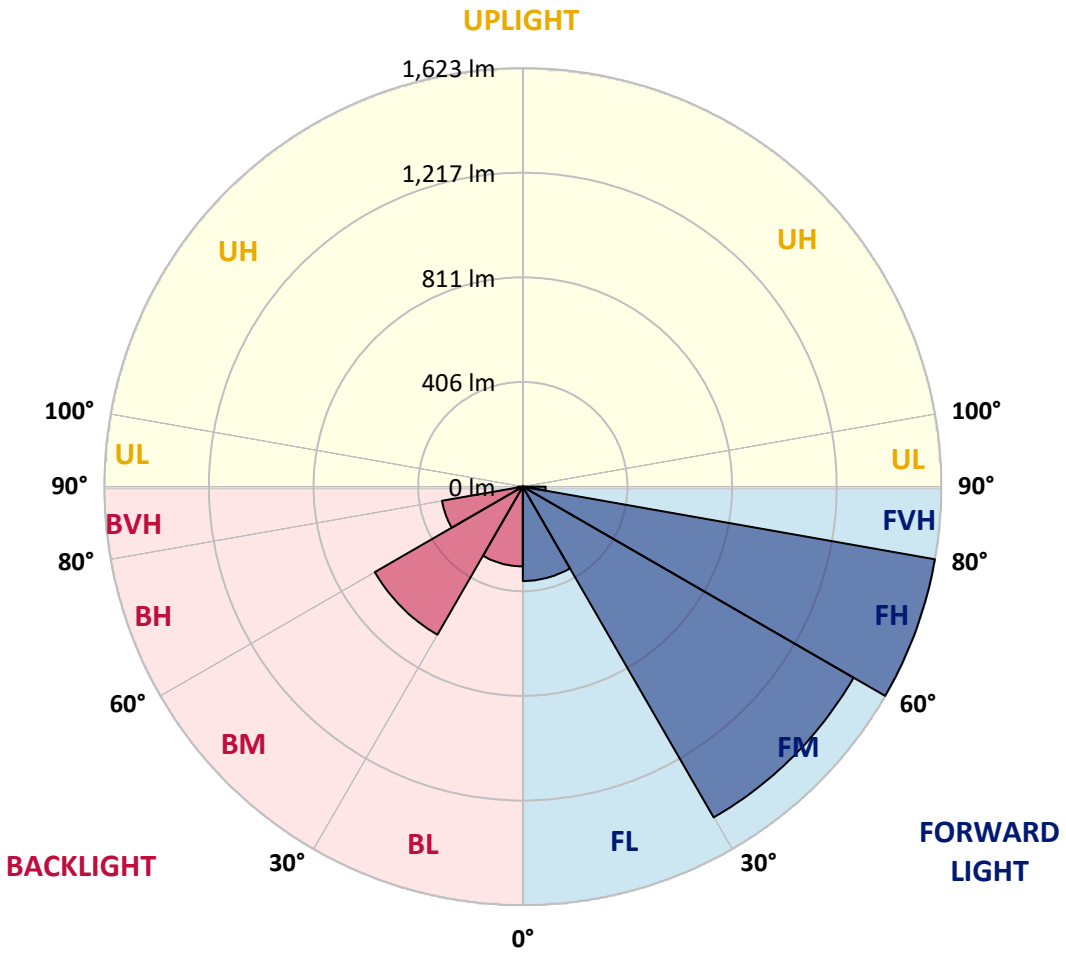
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 365.9 | 7.5 | | | |
| FM | (30°-60°) | 1481.0 | 30.4 | | | |
| FH | (60°-80°) | 1622.7 | 33.3 | | | G1/1800 |
| FVH | (80°-90°) | 89.0 | 1.8 | | | G1/100 |
| BL | (0°-30°) | 309.2 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 662.6 | 13.6 | B1/1000 | | |
| BH | (60°-80°) | 318.1 | 6.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 19.8 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 |
| 2.5° | 838.7 | 831.1 | 823.6 | 816.7 | 809.8 | 802.9 | 795.9 | 789.2 | 782.4 | 775.6 | 769.7 |
| 5° | 895.9 | 882.4 | 869.1 | 855.1 | 841.1 | 827.4 | 813.7 | 800.8 | 787.9 | 774.5 | 762.9 |
| 7.5° | 953.6 | 931.0 | 908.4 | 887.1 | 865.8 | 846.7 | 827.7 | 810.7 | 793.5 | 775.6 | 761.7 |
| 10° | 990.0 | 962.9 | 935.8 | 909.3 | 882.8 | 859.3 | 835.8 | 816.1 | 796.5 | 777.4 | 762.6 |
| 12.5° | 1008.4 | 981.5 | 954.6 | 924.9 | 895.3 | 869.0 | 842.7 | 821.0 | 799.5 | 778.6 | 764.1 |
| 15° | 1017.3 | 990.1 | 962.9 | 932.8 | 902.7 | 874.3 | 845.9 | 821.5 | 797.1 | 773.9 | 761.0 |
| 17.5° | 1019.7 | 994.2 | 968.9 | 936.7 | 904.6 | 872.2 | 839.9 | 811.5 | 783.1 | 756.0 | 745.1 |
| 20° | 1027.5 | 1001.7 | 976.0 | 941.5 | 907.0 | 869.0 | 831.0 | 793.6 | 756.2 | 720.3 | 713.4 |
| 22.5° | 1035.8 | 1012.2 | 988.8 | 950.8 | 912.9 | 866.5 | 820.1 | 773.1 | 726.2 | 683.4 | 676.8 |
| 25° | 1048.9 | 1028.5 | 1008.2 | 966.7 | 925.3 | 866.3 | 807.2 | 748.7 | 690.3 | 641.1 | 640.5 |
| 27.5° | 1067.9 | 1052.3 | 1036.7 | 990.1 | 943.5 | 868.5 | 793.5 | 723.7 | 653.9 | 603.6 | 606.6 |
| 30° | 1094.7 | 1082.5 | 1070.3 | 1017.7 | 964.9 | 873.4 | 782.0 | 702.0 | 622.1 | 573.3 | 576.5 |
| 32.5° | 1127.5 | 1119.8 | 1112.2 | 1050.2 | 988.2 | 878.9 | 769.7 | 682.9 | 596.2 | 551.2 | 551.2 |
| 35° | 1182.8 | 1173.3 | 1163.8 | 1084.7 | 1005.8 | 877.6 | 749.5 | 661.2 | 572.9 | 538.1 | 530.8 |
| 37.5° | 1253.1 | 1241.8 | 1230.4 | 1126.9 | 1023.3 | 873.9 | 724.5 | 637.2 | 550.0 | 522.7 | 508.6 |
| 40° | 1356.6 | 1334.4 | 1312.0 | 1175.1 | 1038.2 | 865.5 | 692.9 | 608.5 | 524.1 | 502.4 | 484.8 |
| 42.5° | 1501.9 | 1454.7 | 1407.5 | 1228.4 | 1049.1 | 851.1 | 653.0 | 574.3 | 495.5 | 480.4 | 458.6 |
| 45° | 1682.3 | 1606.7 | 1531.1 | 1300.8 | 1070.6 | 841.2 | 611.9 | 539.6 | 467.3 | 453.6 | 431.9 |
| 47.5° | 1854.9 | 1759.2 | 1663.4 | 1375.2 | 1087.0 | 829.7 | 572.4 | 505.0 | 437.9 | 422.1 | 401.8 |
| 50° | 2054.9 | 1925.1 | 1795.4 | 1440.1 | 1084.8 | 810.1 | 535.2 | 474.3 | 413.4 | 391.7 | 371.7 |
| 52.5° | 2311.5 | 2105.4 | 1899.2 | 1470.8 | 1042.3 | 769.8 | 497.4 | 446.7 | 396.2 | 368.5 | 347.0 |
| 55° | 2618.0 | 2286.5 | 1954.9 | 1462.7 | 970.5 | 716.5 | 462.2 | 423.6 | 384.8 | 357.2 | 331.9 |
| 57.5° | 2930.6 | 2438.5 | 1946.6 | 1418.6 | 890.5 | 660.6 | 430.7 | 404.1 | 377.4 | 354.2 | 323.2 |
| 60° | 3165.1 | 2506.6 | 1848.0 | 1312.7 | 777.4 | 590.0 | 402.6 | 384.0 | 365.3 | 347.0 | 316.1 |
| 62.5° | 3068.1 | 2355.5 | 1643.0 | 1139.2 | 635.5 | 500.5 | 365.5 | 355.0 | 344.7 | 336.9 | 307.4 |
| 65° | *2740.7* | *2031.7* | *1322.7* | *893.6* | *464.6* | *393.4* | *322.0* | *319.8* | *317.6* | *315.5* | *291.1* |
| 67.5° | 2433.5 | 1744.9 | 1056.3 | 695.4 | 334.5 | 300.7 | 266.9 | 273.2 | 279.5 | 282.8 | 266.1 |
| 70° | 2139.4 | 1482.4 | 825.3 | 532.9 | 240.5 | 228.6 | 216.7 | 226.1 | 235.5 | 234.5 | 226.4 |
| 72.5° | 1836.4 | 1230.9 | 625.3 | 400.6 | 176.0 | 175.7 | 175.6 | 182.8 | 189.9 | 180.4 | 185.5 |
| 75° | 1503.7 | 982.8 | 461.9 | 296.9 | 131.9 | 131.1 | 130.4 | 138.8 | 147.4 | 151.2 | 154.5 |
| 77.5° | 1000.1 | 644.8 | 289.5 | 191.9 | 94.3 | 95.0 | 95.5 | 104.8 | 114.1 | 125.0 | 125.6 |
| 80° | 586.9 | 369.7 | 152.4 | 106.1 | 59.8 | 60.5 | 61.0 | 70.7 | 80.4 | 95.8 | 95.2 |
| 82.5° | 293.5 | 185.3 | 77.1 | 57.0 | 36.9 | 37.0 | 37.1 | 41.9 | 46.7 | 55.4 | 57.7 |
| 85° | 66.7 | 44.1 | 21.4 | 18.1 | 14.9 | 15.6 | 16.4 | 19.5 | 22.6 | 27.4 | 28.8 |
| 87.5° | 5.4 | 5.2 | 5.0 | 4.9 | 4.8 | 5.0 | 5.4 | 6.0 | 6.5 | 7.1 | 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 |

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**CANDELA DISTRIBUTION (continued):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 |
| 2.5° | 763.3 | 757.0 | 752.0 | 747.1 | 742.8 | 738.4 | 733.3 | 728.0 | 724.3 | 720.5 | 718.0 |
| 5° | 751.5 | 740.3 | 731.0 | 721.7 | 714.1 | 706.2 | 699.3 | 692.3 | 686.8 | 681.2 | 676.7 |
| 7.5° | 747.8 | 734.0 | 722.0 | 709.8 | 699.6 | 689.3 | 680.8 | 672.1 | 663.9 | 655.8 | 650.5 |
| 10° | 747.9 | 733.4 | 721.0 | 708.6 | 697.8 | 687.0 | 675.6 | 664.3 | 655.3 | 646.2 | 638.4 |
| 12.5° | 752.0 | 739.9 | 731.2 | 722.7 | 712.7 | 702.7 | 689.2 | 675.6 | 663.4 | 651.2 | 641.6 |
| 15° | 753.1 | 745.3 | 744.6 | 743.9 | 740.4 | 737.0 | 724.5 | 712.0 | 695.0 | 678.0 | 664.2 |
| 17.5° | 744.0 | 742.9 | 754.7 | 766.5 | 773.3 | 780.1 | 771.4 | 762.6 | 738.7 | 714.9 | 694.3 |
| 20° | 720.2 | 726.8 | 749.9 | 772.9 | 791.2 | 809.6 | 808.6 | 807.8 | 776.7 | 745.5 | 718.5 |
| 22.5° | 686.8 | 696.7 | 726.8 | 757.0 | 783.4 | 809.8 | 816.6 | 823.3 | 792.8 | 762.2 | 728.9 |
| 25° | 651.4 | 662.2 | 690.0 | 717.9 | 746.4 | 774.8 | 787.4 | 800.1 | 774.9 | 749.8 | 717.4 |
| 27.5° | 616.9 | 627.4 | 648.1 | 668.9 | 691.7 | 714.6 | 728.7 | 742.9 | 727.6 | 712.2 | 686.0 |
| 30° | 584.6 | 592.7 | 607.7 | 622.7 | 638.1 | 653.6 | 664.9 | 676.2 | 666.1 | 656.0 | 637.2 |
| 32.5° | 554.7 | 558.1 | 567.9 | 577.7 | 589.2 | 600.6 | 606.9 | 613.1 | 605.3 | 597.4 | 585.0 |
| 35° | 527.9 | 525.0 | 531.5 | 537.9 | 547.2 | 556.6 | 561.3 | 566.1 | 559.6 | 553.0 | 541.9 |
| 37.5° | 501.0 | 493.1 | 496.2 | 499.1 | 507.1 | 514.9 | 521.7 | 528.6 | 523.8 | 519.1 | 509.7 |
| 40° | 473.4 | 461.9 | 461.7 | 461.3 | 469.0 | 476.5 | 485.0 | 493.5 | 492.7 | 491.7 | 482.8 |
| 42.5° | 444.1 | 429.6 | 428.0 | 426.5 | 434.0 | 441.5 | 450.5 | 459.6 | 461.3 | 463.1 | 455.7 |
| 45° | 416.9 | 402.2 | 399.8 | 397.4 | 403.8 | 410.5 | 420.4 | 430.4 | 434.6 | 438.7 | 432.1 |
| 47.5° | 389.1 | 376.2 | 374.8 | 373.2 | 380.0 | 386.9 | 397.9 | 409.0 | 413.4 | 417.9 | 413.4 |
| 50° | 361.2 | 350.6 | 352.4 | 354.2 | 361.7 | 369.1 | 377.6 | 386.3 | 394.6 | 402.6 | 401.8 |
| 52.5° | 339.2 | 331.2 | 336.8 | 342.3 | 349.1 | 356.0 | 364.9 | 373.8 | 382.4 | 391.1 | 392.4 |
| 55° | 323.1 | 314.3 | 322.2 | 330.0 | 338.2 | 346.5 | 354.8 | 363.1 | 371.2 | 379.2 | 381.0 |
| 57.5° | 310.9 | 298.6 | 306.4 | 314.3 | 323.2 | 332.2 | 340.5 | 348.8 | 358.2 | 367.6 | 369.1 |
| 60° | 300.6 | 285.1 | 290.4 | 295.5 | 304.7 | 313.7 | 322.4 | 331.0 | 340.5 | 350.0 | 351.9 |
| 62.5° | 287.2 | 266.9 | 267.6 | 268.1 | 278.5 | 288.7 | 295.9 | 303.0 | 312.0 | 321.2 | 324.0 |
| 65° | *269.3* | *247.6* | *245.3* | *242.9* | *252.6* | *262.5* | *268.1* | *273.8* | *281.7* | *289.5* | *292.3* |
| 67.5° | 246.9 | 227.6 | 222.8 | 217.9 | 226.9 | 236.0 | 240.6 | 245.3 | 250.6 | 256.0 | 259.1 |
| 70° | 215.0 | 203.6 | 200.5 | 197.4 | 204.8 | 212.2 | 216.2 | 220.3 | 224.5 | 228.8 | 230.5 |
| 72.5° | 182.9 | 180.4 | 178.1 | 176.0 | 181.6 | 187.2 | 190.6 | 194.1 | 198.1 | 202.2 | 203.1 |
| 75° | 153.1 | 151.8 | 150.1 | 148.6 | 152.9 | 157.2 | 159.8 | 162.5 | 166.7 | 170.8 | 172.6 |
| 77.5° | 122.5 | 119.3 | 117.6 | 115.7 | 119.7 | 123.6 | 126.1 | 128.6 | 132.0 | 135.5 | 136.0 |
| 80° | 91.4 | 87.5 | 86.2 | 84.8 | 87.6 | 90.5 | 91.4 | 92.3 | 95.1 | 97.9 | 97.9 |
| 82.5° | 57.7 | 57.7 | 56.9 | 56.0 | 55.4 | 54.8 | 53.6 | 52.4 | 55.2 | 58.1 | 59.1 |
| 85° | 29.0 | 29.2 | 27.9 | 26.4 | 24.8 | 22.9 | 22.5 | 22.0 | 21.9 | 21.7 | 22.5 |
| 87.5° | 9.0 | 9.8 | 10.5 | 11.0 | 11.7 | 12.1 | 11.8 | 11.3 | 10.8 | 10.5 | 9.5 |
| 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):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 |
| 2.5° | 715.5 | 714.3 | 713.1 | 712.2 | 711.4 | 710.8 | 711.4 | 712.2 | 713.1 | 714.3 | 715.5 |
| 5° | 672.1 | 670.2 | 668.1 | 666.8 | 665.5 | 664.3 | 665.5 | 666.8 | 668.1 | 670.2 | 672.1 |
| 7.5° | 645.3 | 642.2 | 639.1 | 636.8 | 634.6 | 633.4 | 634.6 | 636.8 | 639.1 | 642.2 | 645.3 |
| 10° | 630.8 | 626.4 | 622.1 | 619.7 | 617.3 | 615.5 | 617.3 | 619.7 | 622.1 | 626.4 | 630.8 |
| 12.5° | 631.9 | 626.5 | 621.2 | 617.7 | 614.1 | 611.9 | 614.1 | 617.7 | 621.2 | 626.5 | 631.9 |
| 15° | 650.3 | 642.7 | 634.8 | 630.4 | 626.0 | 622.7 | 626.0 | 630.4 | 634.8 | 642.7 | 650.3 |
| 17.5° | 673.9 | 662.7 | 651.5 | 647.5 | 643.5 | 641.7 | 643.5 | 647.5 | 651.5 | 662.7 | 673.9 |
| 20° | 691.5 | 676.5 | 661.7 | 655.8 | 649.8 | 647.7 | 649.8 | 655.8 | 661.7 | 676.5 | 691.5 |
| 22.5° | 695.5 | 677.9 | 660.2 | 654.6 | 648.9 | 646.5 | 648.9 | 654.6 | 660.2 | 677.9 | 695.5 |
| 25° | 685.2 | 666.6 | 647.9 | 642.2 | 636.4 | 634.6 | 636.4 | 642.2 | 647.9 | 666.6 | 685.2 |
| 27.5° | 659.8 | 643.4 | 626.8 | 620.8 | 614.6 | 610.8 | 614.6 | 620.8 | 626.8 | 643.4 | 659.8 |
| 30° | 618.5 | 606.2 | 594.1 | 590.3 | 586.4 | 584.6 | 586.4 | 590.3 | 594.1 | 606.2 | 618.5 |
| 32.5° | 572.7 | 565.0 | 557.4 | 554.9 | 552.4 | 551.2 | 552.4 | 554.9 | 557.4 | 565.0 | 572.7 |
| 35° | 531.0 | 525.5 | 520.0 | 518.0 | 516.1 | 514.3 | 516.1 | 518.0 | 520.0 | 525.5 | 531.0 |
| 37.5° | 500.3 | 493.8 | 487.2 | 483.6 | 480.0 | 477.4 | 480.0 | 483.6 | 487.2 | 493.8 | 500.3 |
| 40° | 473.8 | 464.6 | 455.4 | 450.5 | 445.5 | 442.9 | 445.5 | 450.5 | 455.4 | 464.6 | 473.8 |
| 42.5° | 448.2 | 437.5 | 426.8 | 419.3 | 411.9 | 407.2 | 411.9 | 419.3 | 426.8 | 437.5 | 448.2 |
| 45° | 425.3 | 413.2 | 401.2 | 392.3 | 383.4 | 377.4 | 383.4 | 392.3 | 401.2 | 413.2 | 425.3 |
| 47.5° | 409.0 | 398.6 | 388.1 | 380.3 | 372.4 | 366.7 | 372.4 | 380.3 | 388.1 | 398.6 | 409.0 |
| 50° | 401.0 | 392.8 | 384.6 | 377.2 | 369.7 | 364.3 | 369.7 | 377.2 | 384.6 | 392.8 | 401.0 |
| 52.5° | 393.8 | 387.9 | 381.9 | 375.5 | 369.1 | 364.3 | 369.1 | 375.5 | 381.9 | 387.9 | 393.8 |
| 55° | 382.8 | 378.5 | 374.1 | 369.3 | 364.5 | 360.7 | 364.5 | 369.3 | 374.1 | 378.5 | 382.8 |
| 57.5° | 370.5 | 366.0 | 361.3 | 357.8 | 354.2 | 352.4 | 354.2 | 357.8 | 361.3 | 366.0 | 370.5 |
| 60° | 353.8 | 350.3 | 346.7 | 343.4 | 339.9 | 336.9 | 339.9 | 343.4 | 346.7 | 350.3 | 353.8 |
| 62.5° | 326.8 | 325.1 | 323.6 | 319.8 | 316.1 | 311.9 | 316.1 | 319.8 | 323.6 | 325.1 | 326.8 |
| 65° | *295.0* | *294.2* | *293.5* | *290.7* | *288.1* | *283.4* | *288.1* | *290.7* | *293.5* | *294.2* | *295.0* |
| 67.5° | 262.2 | 260.6 | 258.9 | 256.1 | 253.4 | 252.4 | 253.4 | 256.1 | 258.9 | 260.6 | 262.2 |
| 70° | 232.2 | 229.8 | 227.4 | 221.0 | 214.5 | 207.2 | 214.5 | 221.0 | 227.4 | 229.8 | 232.2 |
| 72.5° | 204.2 | 200.5 | 196.7 | 189.2 | 181.6 | 173.8 | 181.6 | 189.2 | 196.7 | 200.5 | 204.2 |
| 75° | 174.4 | 169.2 | 164.1 | 156.1 | 148.2 | 142.9 | 148.2 | 156.1 | 164.1 | 169.2 | 174.4 |
| 77.5° | 136.7 | 132.2 | 127.6 | 122.9 | 118.1 | 115.5 | 118.1 | 122.9 | 127.6 | 132.2 | 136.7 |
| 80° | 97.9 | 94.5 | 91.1 | 88.7 | 86.3 | 84.5 | 86.3 | 88.7 | 91.1 | 94.5 | 97.9 |
| 82.5° | 60.1 | 58.6 | 57.1 | 54.5 | 51.8 | 50.0 | 51.8 | 54.5 | 57.1 | 58.6 | 60.1 |
| 85° | 23.2 | 22.9 | 22.6 | 21.7 | 20.8 | 20.2 | 20.8 | 21.7 | 22.6 | 22.9 | 23.2 |
| 87.5° | 8.6 | 7.9 | 7.1 | 6.7 | 6.2 | 6.0 | 6.2 | 6.7 | 7.1 | 7.9 | 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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364192
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**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 |
| 2.5° | 718.0 | 720.5 | 724.3 | 728.0 | 733.3 | 738.4 | 742.8 | 747.1 | 752.0 | 757.0 | 763.3 |
| 5° | 676.7 | 681.2 | 686.8 | 692.3 | 699.3 | 706.2 | 714.1 | 721.7 | 731.0 | 740.3 | 751.5 |
| 7.5° | 650.5 | 655.8 | 663.9 | 672.1 | 680.8 | 689.3 | 699.6 | 709.8 | 722.0 | 734.0 | 747.8 |
| 10° | 638.4 | 646.2 | 655.3 | 664.3 | 675.6 | 687.0 | 697.8 | 708.6 | 721.0 | 733.4 | 747.9 |
| 12.5° | 641.6 | 651.2 | 663.4 | 675.6 | 689.2 | 702.7 | 712.7 | 722.7 | 731.2 | 739.9 | 752.0 |
| 15° | 664.2 | 678.0 | 695.0 | 712.0 | 724.5 | 737.0 | 740.4 | 743.9 | 744.6 | 745.3 | 753.1 |
| 17.5° | 694.3 | 714.9 | 738.7 | 762.6 | 771.4 | 780.1 | 773.3 | 766.5 | 754.7 | 742.9 | 744.0 |
| 20° | 718.5 | 745.5 | 776.7 | 807.8 | 808.6 | 809.6 | 791.2 | 772.9 | 749.9 | 726.8 | 720.2 |
| 22.5° | 728.9 | 762.2 | 792.8 | 823.3 | 816.6 | 809.8 | 783.4 | 757.0 | 726.8 | 696.7 | 686.8 |
| 25° | 717.4 | 749.8 | 774.9 | 800.1 | 787.4 | 774.8 | 746.4 | 717.9 | 690.0 | 662.2 | 651.4 |
| 27.5° | 686.0 | 712.2 | 727.6 | 742.9 | 728.7 | 714.6 | 691.7 | 668.9 | 648.1 | 627.4 | 616.9 |
| 30° | 637.2 | 656.0 | 666.1 | 676.2 | 664.9 | 653.6 | 638.1 | 622.7 | 607.7 | 592.7 | 584.6 |
| 32.5° | 585.0 | 597.4 | 605.3 | 613.1 | 606.9 | 600.6 | 589.2 | 577.7 | 567.9 | 558.1 | 554.7 |
| 35° | 541.9 | 553.0 | 559.6 | 566.1 | 561.3 | 556.6 | 547.2 | 537.9 | 531.5 | 525.0 | 527.9 |
| 37.5° | 509.7 | 519.1 | 523.8 | 528.6 | 521.7 | 514.9 | 507.1 | 499.1 | 496.2 | 493.1 | 501.0 |
| 40° | 482.8 | 491.7 | 492.7 | 493.5 | 485.0 | 476.5 | 469.0 | 461.3 | 461.7 | 461.9 | 473.4 |
| 42.5° | 455.7 | 463.1 | 461.3 | 459.6 | 450.5 | 441.5 | 434.0 | 426.5 | 428.0 | 429.6 | 444.1 |
| 45° | 432.1 | 438.7 | 434.6 | 430.4 | 420.4 | 410.5 | 403.8 | 397.4 | 399.8 | 402.2 | 416.9 |
| 47.5° | 413.4 | 417.9 | 413.4 | 409.0 | 397.9 | 386.9 | 380.0 | 373.2 | 374.8 | 376.2 | 389.1 |
| 50° | 401.8 | 402.6 | 394.6 | 386.3 | 377.6 | 369.1 | 361.7 | 354.2 | 352.4 | 350.6 | 361.2 |
| 52.5° | 392.4 | 391.1 | 382.4 | 373.8 | 364.9 | 356.0 | 349.1 | 342.3 | 336.8 | 331.2 | 339.2 |
| 55° | 381.0 | 379.2 | 371.2 | 363.1 | 354.8 | 346.5 | 338.2 | 330.0 | 322.2 | 314.3 | 323.1 |
| 57.5° | 369.1 | 367.6 | 358.2 | 348.8 | 340.5 | 332.2 | 323.2 | 314.3 | 306.4 | 298.6 | 310.9 |
| 60° | 351.9 | 350.0 | 340.5 | 331.0 | 322.4 | 313.7 | 304.7 | 295.5 | 290.4 | 285.1 | 300.6 |
| 62.5° | 324.0 | 321.2 | 312.0 | 303.0 | 295.9 | 288.7 | 278.5 | 268.1 | 267.6 | 266.9 | 287.2 |
| 65° | *292.3* | *289.5* | *281.7* | *273.8* | *268.1* | *262.5* | *252.6* | *242.9* | *245.3* | *247.6* | *269.3* |
| 67.5° | 259.1 | 256.0 | 250.6 | 245.3 | 240.6 | 236.0 | 226.9 | 217.9 | 222.8 | 227.6 | 246.9 |
| 70° | 230.5 | 228.8 | 224.5 | 220.3 | 216.2 | 212.2 | 204.8 | 197.4 | 200.5 | 203.6 | 215.0 |
| 72.5° | 203.1 | 202.2 | 198.1 | 194.1 | 190.6 | 187.2 | 181.6 | 176.0 | 178.1 | 180.4 | 182.9 |
| 75° | 172.6 | 170.8 | 166.7 | 162.5 | 159.8 | 157.2 | 152.9 | 148.6 | 150.1 | 151.8 | 153.1 |
| 77.5° | 136.0 | 135.5 | 132.0 | 128.6 | 126.1 | 123.6 | 119.7 | 115.7 | 117.6 | 119.3 | 122.5 |
| 80° | 97.9 | 97.9 | 95.1 | 92.3 | 91.4 | 90.5 | 87.6 | 84.8 | 86.2 | 87.5 | 91.4 |
| 82.5° | 59.1 | 58.1 | 55.2 | 52.4 | 53.6 | 54.8 | 55.4 | 56.0 | 56.9 | 57.7 | 57.7 |
| 85° | 22.5 | 21.7 | 21.9 | 22.0 | 22.5 | 22.9 | 24.8 | 26.4 | 27.9 | 29.2 | 29.0 |
| 87.5° | 9.5 | 10.5 | 10.8 | 11.3 | 11.8 | 12.1 | 11.7 | 11.0 | 10.5 | 9.8 | 9.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 |
| 2.5° | 769.7 | 775.6 | 782.4 | 789.2 | 795.9 | 802.9 | 809.8 | 816.7 | 823.6 | 831.1 | 838.7 |
| 5° | 762.9 | 774.5 | 787.9 | 800.8 | 813.7 | 827.4 | 841.1 | 855.1 | 869.1 | 882.4 | 895.9 |
| 7.5° | 761.7 | 775.6 | 793.5 | 810.7 | 827.7 | 846.7 | 865.8 | 887.1 | 908.4 | 931.0 | 953.6 |
| 10° | 762.6 | 777.4 | 796.5 | 816.1 | 835.8 | 859.3 | 882.8 | 909.3 | 935.8 | 962.9 | 990.0 |
| 12.5° | 764.1 | 778.6 | 799.5 | 821.0 | 842.7 | 869.0 | 895.3 | 924.9 | 954.6 | 981.5 | 1008.4 |
| 15° | 761.0 | 773.9 | 797.1 | 821.5 | 845.9 | 874.3 | 902.7 | 932.8 | 962.9 | 990.1 | 1017.3 |
| 17.5° | 745.1 | 756.0 | 783.1 | 811.5 | 839.9 | 872.2 | 904.6 | 936.7 | 968.9 | 994.2 | 1019.7 |
| 20° | 713.4 | 720.3 | 756.2 | 793.6 | 831.0 | 869.0 | 907.0 | 941.5 | 976.0 | 1001.7 | 1027.5 |
| 22.5° | 676.8 | 683.4 | 726.2 | 773.1 | 820.1 | 866.5 | 912.9 | 950.8 | 988.8 | 1012.2 | 1035.8 |
| 25° | 640.5 | 641.1 | 690.3 | 748.7 | 807.2 | 866.3 | 925.3 | 966.7 | 1008.2 | 1028.5 | 1048.9 |
| 27.5° | 606.6 | 603.6 | 653.9 | 723.7 | 793.5 | 868.5 | 943.5 | 990.1 | 1036.7 | 1052.3 | 1067.9 |
| 30° | 576.5 | 573.3 | 622.1 | 702.0 | 782.0 | 873.4 | 964.9 | 1017.7 | 1070.3 | 1082.5 | 1094.7 |
| 32.5° | 551.2 | 551.2 | 596.2 | 682.9 | 769.7 | 878.9 | 988.2 | 1050.2 | 1112.2 | 1119.8 | 1127.5 |
| 35° | 530.8 | 538.1 | 572.9 | 661.2 | 749.5 | 877.6 | 1005.8 | 1084.7 | 1163.8 | 1173.3 | 1182.8 |
| 37.5° | 508.6 | 522.7 | 550.0 | 637.2 | 724.5 | 873.9 | 1023.3 | 1126.9 | 1230.4 | 1241.8 | 1253.1 |
| 40° | 484.8 | 502.4 | 524.1 | 608.5 | 692.9 | 865.5 | 1038.2 | 1175.1 | 1312.0 | 1334.4 | 1356.6 |
| 42.5° | 458.6 | 480.4 | 495.5 | 574.3 | 653.0 | 851.1 | 1049.1 | 1228.4 | 1407.5 | 1454.7 | 1501.9 |
| 45° | 431.9 | 453.6 | 467.3 | 539.6 | 611.9 | 841.2 | 1070.6 | 1300.8 | 1531.1 | 1606.7 | 1682.3 |
| 47.5° | 401.8 | 422.1 | 437.9 | 505.0 | 572.4 | 829.7 | 1087.0 | 1375.2 | 1663.4 | 1759.2 | 1854.9 |
| 50° | 371.7 | 391.7 | 413.4 | 474.3 | 535.2 | 810.1 | 1084.8 | 1440.1 | 1795.4 | 1925.1 | 2054.9 |
| 52.5° | 347.0 | 368.5 | 396.2 | 446.7 | 497.4 | 769.8 | 1042.3 | 1470.8 | 1899.2 | 2105.4 | 2311.5 |
| 55° | 331.9 | 357.2 | 384.8 | 423.6 | 462.2 | 716.5 | 970.5 | 1462.7 | 1954.9 | 2286.5 | 2618.0 |
| 57.5° | 323.2 | 354.2 | 377.4 | 404.1 | 430.7 | 660.6 | 890.5 | 1418.6 | 1946.6 | 2438.5 | 2930.6 |
| 60° | 316.1 | 347.0 | 365.3 | 384.0 | 402.6 | 590.0 | 777.4 | 1312.7 | 1848.0 | 2506.6 | 3165.1 |
| 62.5° | 307.4 | 336.9 | 344.7 | 355.0 | 365.5 | 500.5 | 635.5 | 1139.2 | 1643.0 | 2355.5 | 3068.1 |
| 65° | *291.1* | *315.5* | *317.6* | *319.8* | *322.0* | *393.4* | *464.6* | *893.6* | *1322.7* | *2031.7* | *2740.7* |
| 67.5° | 266.1 | 282.8 | 279.5 | 273.2 | 266.9 | 300.7 | 334.5 | 695.4 | 1056.3 | 1744.9 | 2433.5 |
| 70° | 226.4 | 234.5 | 235.5 | 226.1 | 216.7 | 228.6 | 240.5 | 532.9 | 825.3 | 1482.4 | 2139.4 |
| 72.5° | 185.5 | 180.4 | 189.9 | 182.8 | 175.6 | 175.7 | 176.0 | 400.6 | 625.3 | 1230.9 | 1836.4 |
| 75° | 154.5 | 151.2 | 147.4 | 138.8 | 130.4 | 131.1 | 131.9 | 296.9 | 461.9 | 982.8 | 1503.7 |
| 77.5° | 125.6 | 125.0 | 114.1 | 104.8 | 95.5 | 95.0 | 94.3 | 191.9 | 289.5 | 644.8 | 1000.1 |
| 80° | 95.2 | 95.8 | 80.4 | 70.7 | 61.0 | 60.5 | 59.8 | 106.1 | 152.4 | 369.7 | 586.9 |
| 82.5° | 57.7 | 55.4 | 46.7 | 41.9 | 37.1 | 37.0 | 36.9 | 57.0 | 77.1 | 185.3 | 293.5 |
| 85° | 28.8 | 27.4 | 22.6 | 19.5 | 16.4 | 15.6 | 14.9 | 18.1 | 21.4 | 44.1 | 66.7 |
| 87.5° | 8.3 | 7.1 | 6.5 | 6.0 | 5.4 | 5.0 | 4.8 | 4.9 | 5.0 | 5.2 | 5.4 |
| 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
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Peachtree City, GA 30269

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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | *776.2* | 776.2 | 776.2 |
| 2.5° | 841.7 | 844.7 | 847.9 | 851.2 | 853.2 | 855.1 | 857.1 | 859.0 | *860.8* | 859.0 | 857.1 |
| 5° | 909.3 | 922.7 | 931.7 | 940.8 | 947.7 | 954.6 | 958.5 | 962.6 | *963.2* | 962.6 | 958.5 |
| 7.5° | 969.6 | 985.5 | 999.4 | 1013.2 | 1022.0 | 1030.8 | 1035.9 | 1041.1 | *1042.9* | 1041.1 | 1035.9 |
| 10° | 1008.6 | 1027.5 | 1040.8 | 1054.2 | 1062.5 | 1070.6 | 1074.6 | 1078.6 | *1079.8* | 1078.6 | 1074.6 |
| 12.5° | 1026.4 | 1044.4 | 1054.7 | 1065.0 | 1070.2 | 1075.3 | 1077.2 | 1078.9 | *1077.5* | 1078.9 | 1077.2 |
| 15° | 1027.9 | 1038.4 | 1042.8 | 1047.1 | 1044.6 | 1042.0 | 1038.3 | 1034.6 | *1032.2* | 1034.6 | 1038.3 |
| 17.5° | 1023.4 | 1027.2 | 1019.2 | 1011.4 | 997.1 | 982.8 | 972.1 | 961.4 | *953.6* | 961.4 | 972.1 |
| 20° | 1021.5 | 1015.5 | 994.4 | 973.3 | 946.5 | 919.7 | 901.7 | 883.6 | *872.7* | 883.6 | 901.7 |
| 22.5° | 1019.0 | 1002.2 | 966.6 | 931.0 | 894.3 | 857.8 | 837.1 | 816.5 | *804.8* | 816.5 | 837.1 |
| 25° | 1020.1 | 991.1 | 943.0 | 895.1 | 852.0 | 809.0 | 786.5 | 764.1 | *751.2* | 764.1 | 786.5 |
| 27.5° | 1023.9 | 979.8 | 920.3 | 860.8 | 814.1 | 767.3 | 745.9 | 724.5 | *713.1* | 724.5 | 745.9 |
| 30° | 1036.3 | 977.7 | 906.5 | 835.2 | 786.4 | 737.6 | 716.6 | 695.5 | *683.4* | 695.5 | 716.6 |
| 32.5° | 1053.6 | 979.8 | 900.1 | 820.3 | 770.5 | 720.9 | 700.8 | 680.8 | *670.3* | 680.8 | 700.8 |
| 35° | 1089.4 | 995.9 | 907.4 | 819.1 | 772.9 | 726.8 | 712.1 | 697.4 | *691.7* | 697.4 | 712.1 |
| 37.5° | 1143.9 | 1034.6 | 943.5 | 852.4 | 821.0 | 789.6 | 789.6 | 789.6 | *794.1* | 789.6 | 789.6 |
| 40° | 1234.0 | 1111.4 | 1025.2 | 939.1 | 937.2 | 935.5 | 955.5 | 975.7 | *984.6* | 975.7 | 955.5 |
| 42.5° | 1372.2 | 1242.7 | 1173.2 | 1103.6 | 1145.3 | 1187.0 | 1244.8 | 1302.7 | *1340.6* | 1302.7 | 1244.8 |
| 45° | 1556.1 | 1429.9 | 1381.3 | 1332.8 | 1425.6 | 1518.2 | 1620.5 | 1722.7 | *1795.4* | 1722.7 | 1620.5 |
| 47.5° | 1748.7 | 1642.4 | 1614.6 | 1587.0 | 1741.2 | 1895.4 | 2045.3 | 2195.2 | *2283.5* | 2195.2 | 2045.3 |
| 50° | 1959.4 | 1863.8 | 1858.5 | 1853.1 | 2058.5 | 2263.8 | 2457.3 | 2650.8 | *2758.5* | 2650.8 | 2457.3 |
| 52.5° | 2206.6 | 2101.6 | 2105.9 | 2109.9 | 2353.9 | 2597.8 | 2831.7 | 3065.7 | *3187.1* | 3065.7 | 2831.7 |
| 55° | 2486.5 | 2354.9 | 2354.2 | 2353.5 | 2633.8 | 2914.3 | 3201.7 | 3489.3 | *3651.4* | 3489.3 | 3201.7 |
| 57.5° | 2807.3 | 2684.1 | 2654.8 | 2625.4 | 2918.5 | 3211.5 | 3528.9 | 3846.5 | *4016.9* | 3846.5 | 3528.9 |
| 60° | 3097.2 | 3029.4 | 2982.5 | 2935.7 | 3236.7 | 3537.7 | 3865.6 | 4193.4 | *4363.4* | 4193.4 | 3865.6 |
| 62.5° | 3189.4 | 3310.7 | 3307.3 | 3303.8 | 3628.7 | 3953.6 | 4294.6 | 4635.8 | *4788.4* | 4635.8 | 4294.6 |
| 65° | *2934.1* | *3127.6* | *3260.7* | *3393.7* | *3786.5* | *4179.1* | *4534.4* | *4889.6* | *5045.6* | *4889.6* | *4534.4* |
| 67.5° | 2604.0 | 2774.6 | 2883.5 | 2992.5 | 3435.0 | 3877.7 | 4280.8 | 4683.9 | *4844.4* | 4683.9 | 4280.8 |
| 70° | 2328.3 | 2517.1 | 2594.9 | 2672.8 | 3048.8 | 3424.6 | 3743.6 | 4062.4 | *4125.3* | 4062.4 | 3743.6 |
| 72.5° | 2061.0 | 2285.6 | 2318.6 | 2351.6 | 2625.2 | 2898.8 | 3068.7 | 3238.6 | *3101.4* | 3238.6 | 3068.7 |
| 75° | 1757.0 | 2010.3 | 2032.3 | 2054.3 | 2139.6 | 2224.9 | 2268.1 | 2311.5 | *2233.5* | 2311.5 | 2268.1 |
| 77.5° | 1219.4 | 1438.8 | 1488.2 | 1537.6 | 1594.4 | 1651.3 | 1648.3 | 1645.4 | *1535.8* | 1645.4 | 1648.3 |
| 80° | 758.5 | 930.1 | 936.5 | 942.9 | 985.5 | 1028.0 | 1071.5 | 1115.0 | *1045.3* | 1115.0 | 1071.5 |
| 82.5° | 387.6 | 481.9 | 496.5 | 511.0 | 537.1 | 563.1 | 575.3 | 587.5 | *528.6* | 587.5 | 575.3 |
| 85° | 91.2 | 115.7 | 139.4 | 163.1 | 190.5 | 217.9 | 214.8 | 211.7 | *178.6* | 211.7 | 214.8 |
| 87.5° | 5.5 | 5.7 | 5.8 | 6.0 | 6.1 | 6.2 | 6.5 | 6.9 | *7.1* | 6.9 | 6.5 |
| 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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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364192
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**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 | 776.2 |
| 2.5° | 855.1 | 853.2 | 851.2 | 847.9 | 844.7 | 841.7 | 838.7 |
| 5° | 954.6 | 947.7 | 940.8 | 931.7 | 922.7 | 909.3 | 895.9 |
| 7.5° | 1030.8 | 1022.0 | 1013.2 | 999.4 | 985.5 | 969.6 | 953.6 |
| 10° | 1070.6 | 1062.5 | 1054.2 | 1040.8 | 1027.5 | 1008.6 | 990.0 |
| 12.5° | 1075.3 | 1070.2 | 1065.0 | 1054.7 | 1044.4 | 1026.4 | 1008.4 |
| 15° | 1042.0 | 1044.6 | 1047.1 | 1042.8 | 1038.4 | 1027.9 | 1017.3 |
| 17.5° | 982.8 | 997.1 | 1011.4 | 1019.2 | 1027.2 | 1023.4 | 1019.7 |
| 20° | 919.7 | 946.5 | 973.3 | 994.4 | 1015.5 | 1021.5 | 1027.5 |
| 22.5° | 857.8 | 894.3 | 931.0 | 966.6 | 1002.2 | 1019.0 | 1035.8 |
| 25° | 809.0 | 852.0 | 895.1 | 943.0 | 991.1 | 1020.1 | 1048.9 |
| 27.5° | 767.3 | 814.1 | 860.8 | 920.3 | 979.8 | 1023.9 | 1067.9 |
| 30° | 737.6 | 786.4 | 835.2 | 906.5 | 977.7 | 1036.3 | 1094.7 |
| 32.5° | 720.9 | 770.5 | 820.3 | 900.1 | 979.8 | 1053.6 | 1127.5 |
| 35° | 726.8 | 772.9 | 819.1 | 907.4 | 995.9 | 1089.4 | 1182.8 |
| 37.5° | 789.6 | 821.0 | 852.4 | 943.5 | 1034.6 | 1143.9 | 1253.1 |
| 40° | 935.5 | 937.2 | 939.1 | 1025.2 | 1111.4 | 1234.0 | 1356.6 |
| 42.5° | 1187.0 | 1145.3 | 1103.6 | 1173.2 | 1242.7 | 1372.2 | 1501.9 |
| 45° | 1518.2 | 1425.6 | 1332.8 | 1381.3 | 1429.9 | 1556.1 | 1682.3 |
| 47.5° | 1895.4 | 1741.2 | 1587.0 | 1614.6 | 1642.4 | 1748.7 | 1854.9 |
| 50° | 2263.8 | 2058.5 | 1853.1 | 1858.5 | 1863.8 | 1959.4 | 2054.9 |
| 52.5° | 2597.8 | 2353.9 | 2109.9 | 2105.9 | 2101.6 | 2206.6 | 2311.5 |
| 55° | 2914.3 | 2633.8 | 2353.5 | 2354.2 | 2354.9 | 2486.5 | 2618.0 |
| 57.5° | 3211.5 | 2918.5 | 2625.4 | 2654.8 | 2684.1 | 2807.3 | 2930.6 |
| 60° | 3537.7 | 3236.7 | 2935.7 | 2982.5 | 3029.4 | 3097.2 | 3165.1 |
| 62.5° | 3953.6 | 3628.7 | 3303.8 | 3307.3 | 3310.7 | 3189.4 | 3068.1 |
| 65° | *4179.1* | *3786.5* | *3393.7* | *3260.7* | *3127.6* | *2934.1* | *2740.7* |
| 67.5° | 3877.7 | 3435.0 | 2992.5 | 2883.5 | 2774.6 | 2604.0 | 2433.5 |
| 70° | 3424.6 | 3048.8 | 2672.8 | 2594.9 | 2517.1 | 2328.3 | 2139.4 |
| 72.5° | 2898.8 | 2625.2 | 2351.6 | 2318.6 | 2285.6 | 2061.0 | 1836.4 |
| 75° | 2224.9 | 2139.6 | 2054.3 | 2032.3 | 2010.3 | 1757.0 | 1503.7 |
| 77.5° | 1651.3 | 1594.4 | 1537.6 | 1488.2 | 1438.8 | 1219.4 | 1000.1 |
| 80° | 1028.0 | 985.5 | 942.9 | 936.5 | 930.1 | 758.5 | 586.9 |
| 82.5° | 563.1 | 537.1 | 511.0 | 496.5 | 481.9 | 387.6 | 293.5 |
| 85° | 217.9 | 190.5 | 163.1 | 139.4 | 115.7 | 91.2 | 66.7 |
| 87.5° | 6.2 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 |
| 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

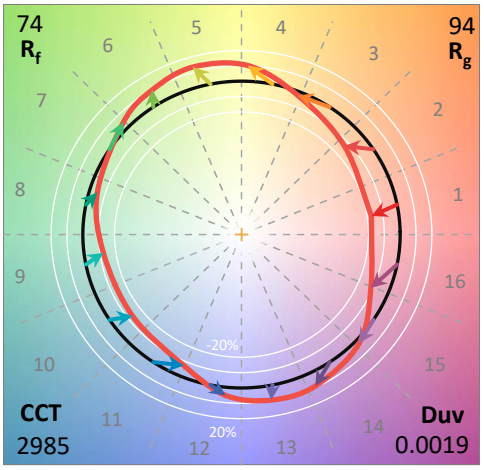
## Test Information

| | |
|---|---|
| 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 |



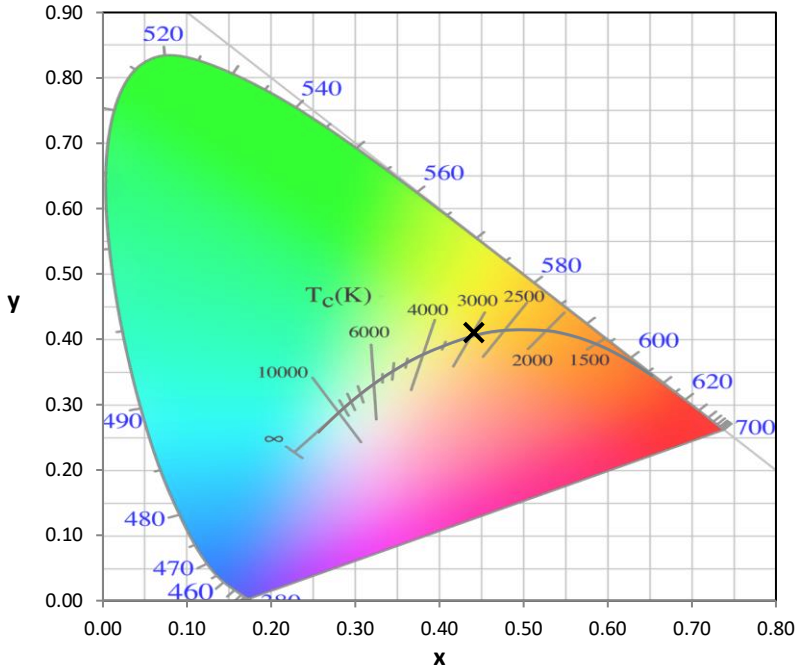

## Test Conditions

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

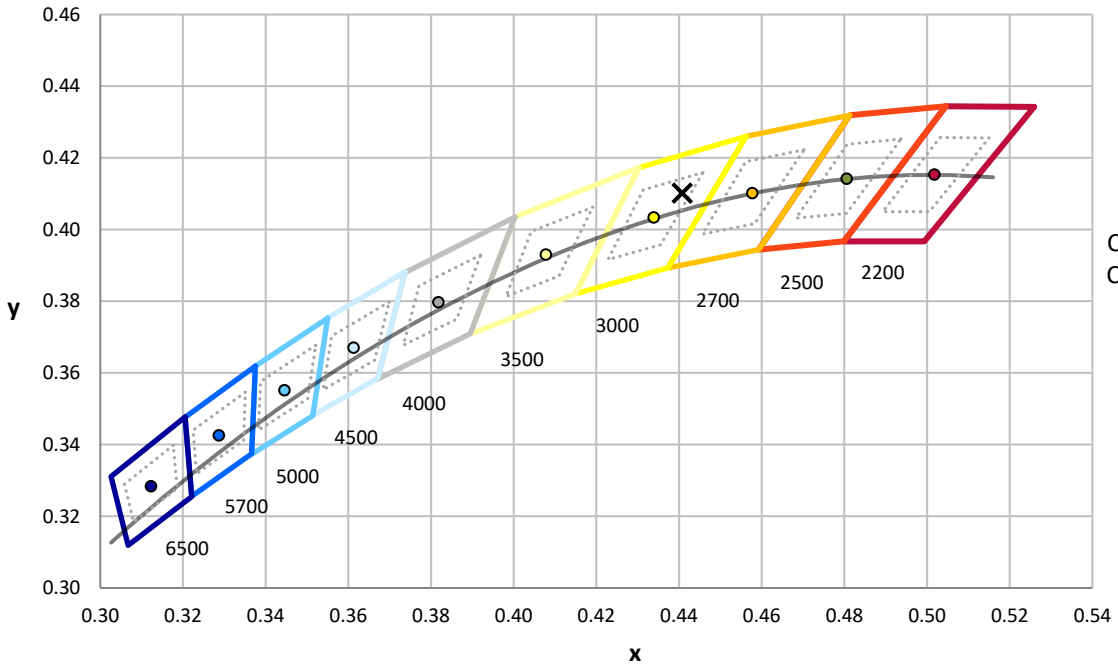
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

REPORT NUMBER: SP1-2407-184-4

## CIE 1931 Chromaticity Diagram




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

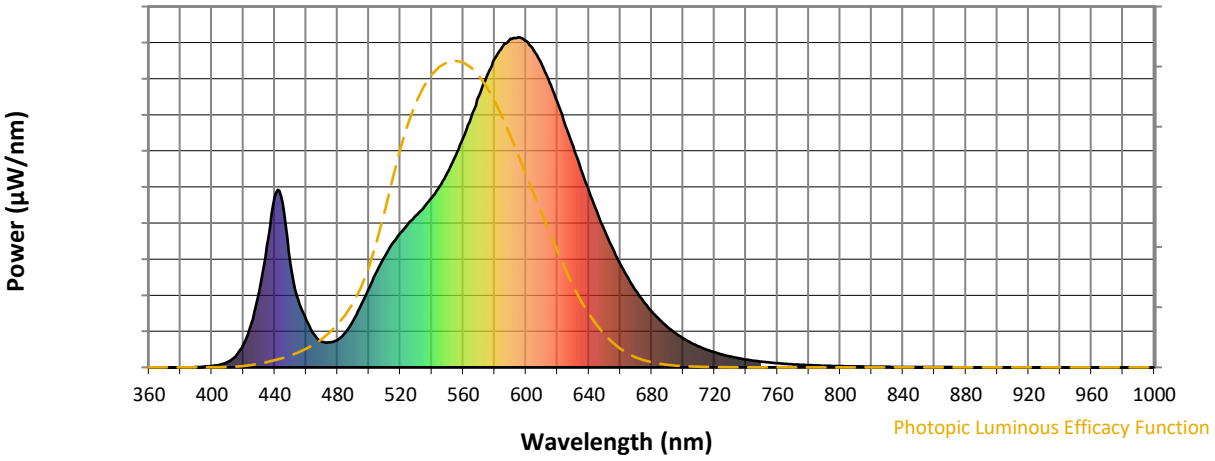



CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

## Photopic Flux vs. Wavelength

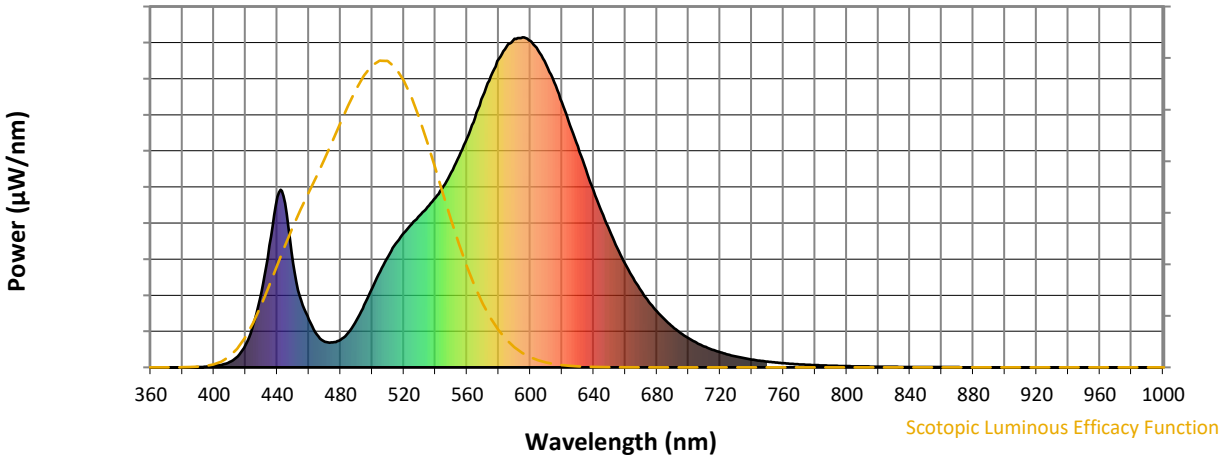



## Photopic Lumens: NR

| 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

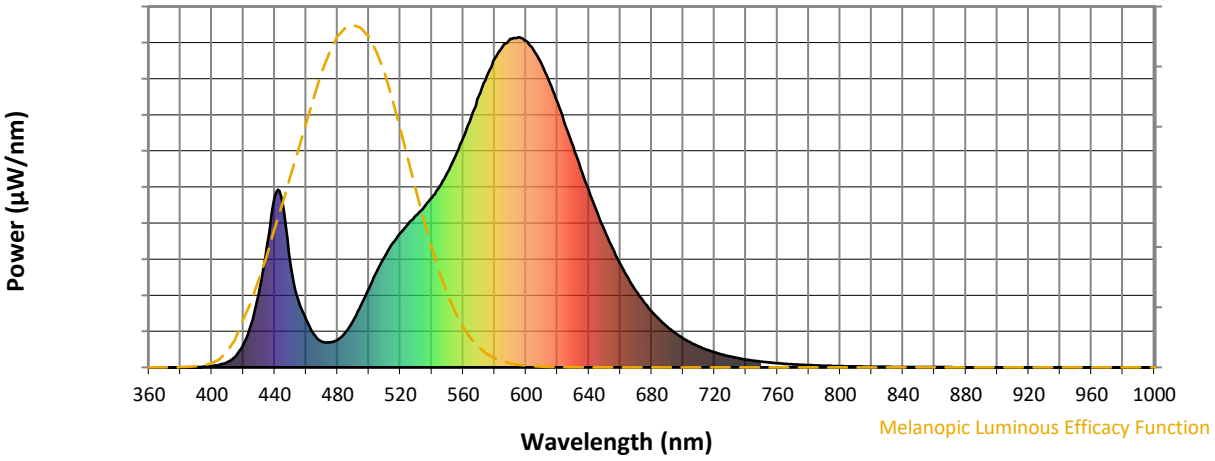



**Scotopic Lumens: NR** **S/P: 1.19**

| 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 | | | |

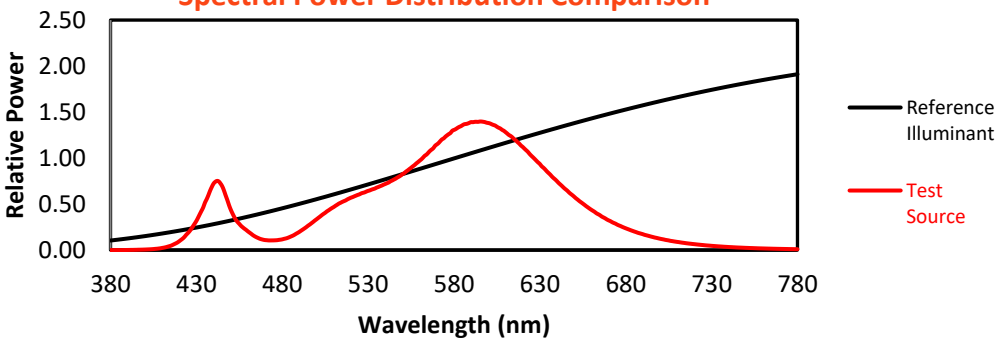
REPORT NUMBER: SP1-2407-184-4

# TM-30-18

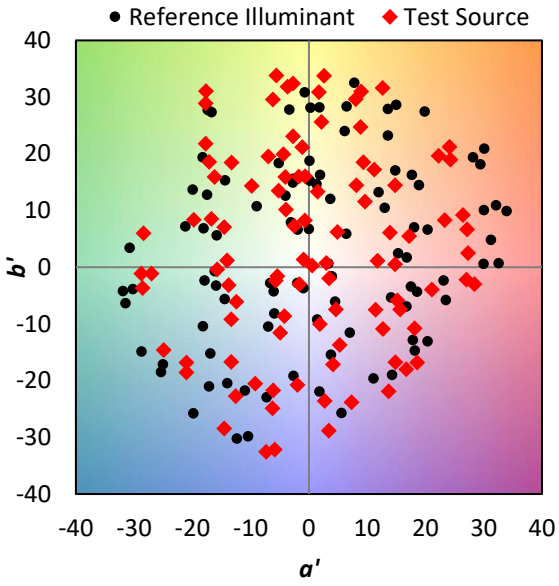
## Summary

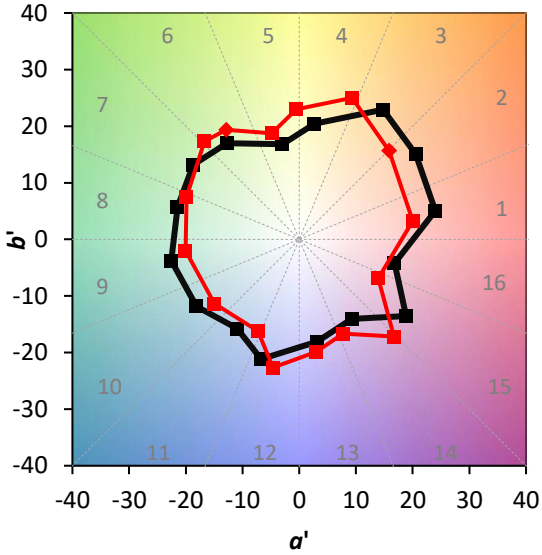
$R_f$ = 73.8
$R_g$ = 94.4
CIE $R_a$ = 70.8
$R_9$ = -43.2

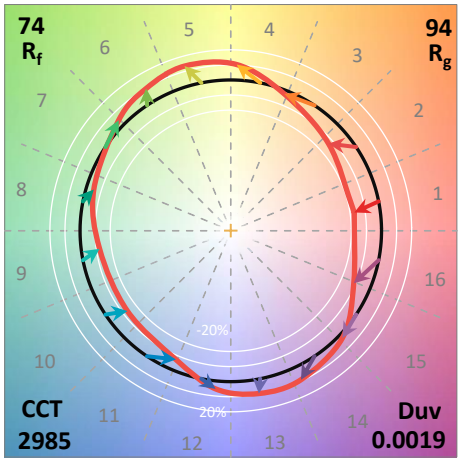
## Spectral Power Distribution Comparison

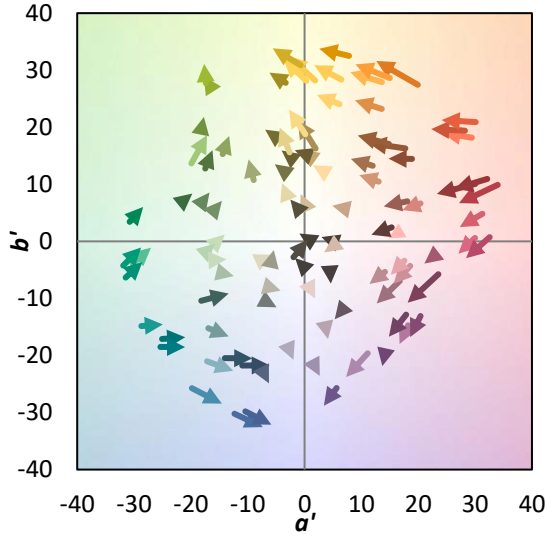



## Color Vector Graphics



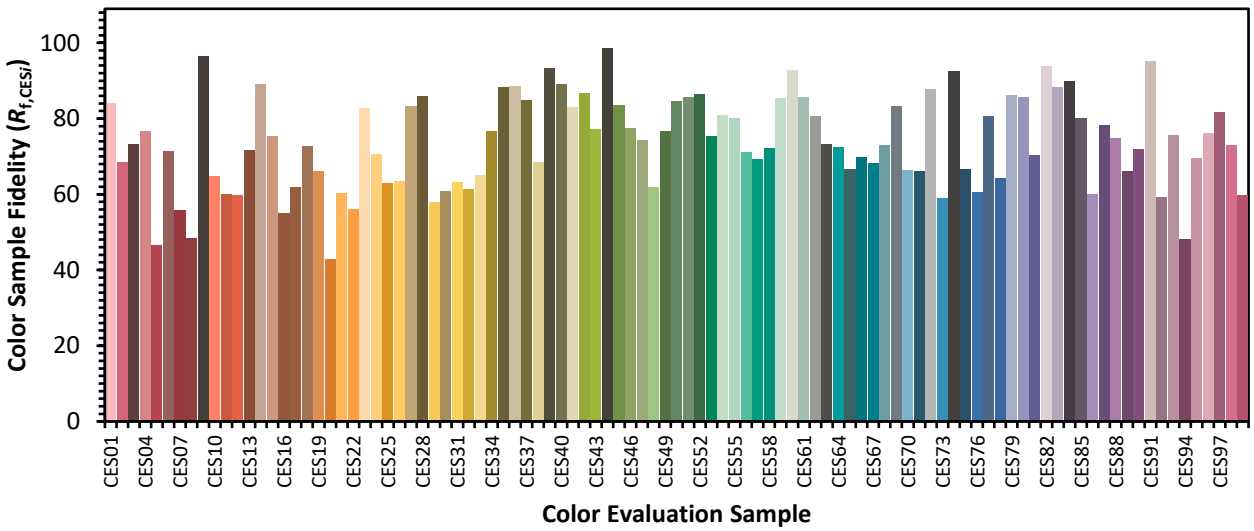



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

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

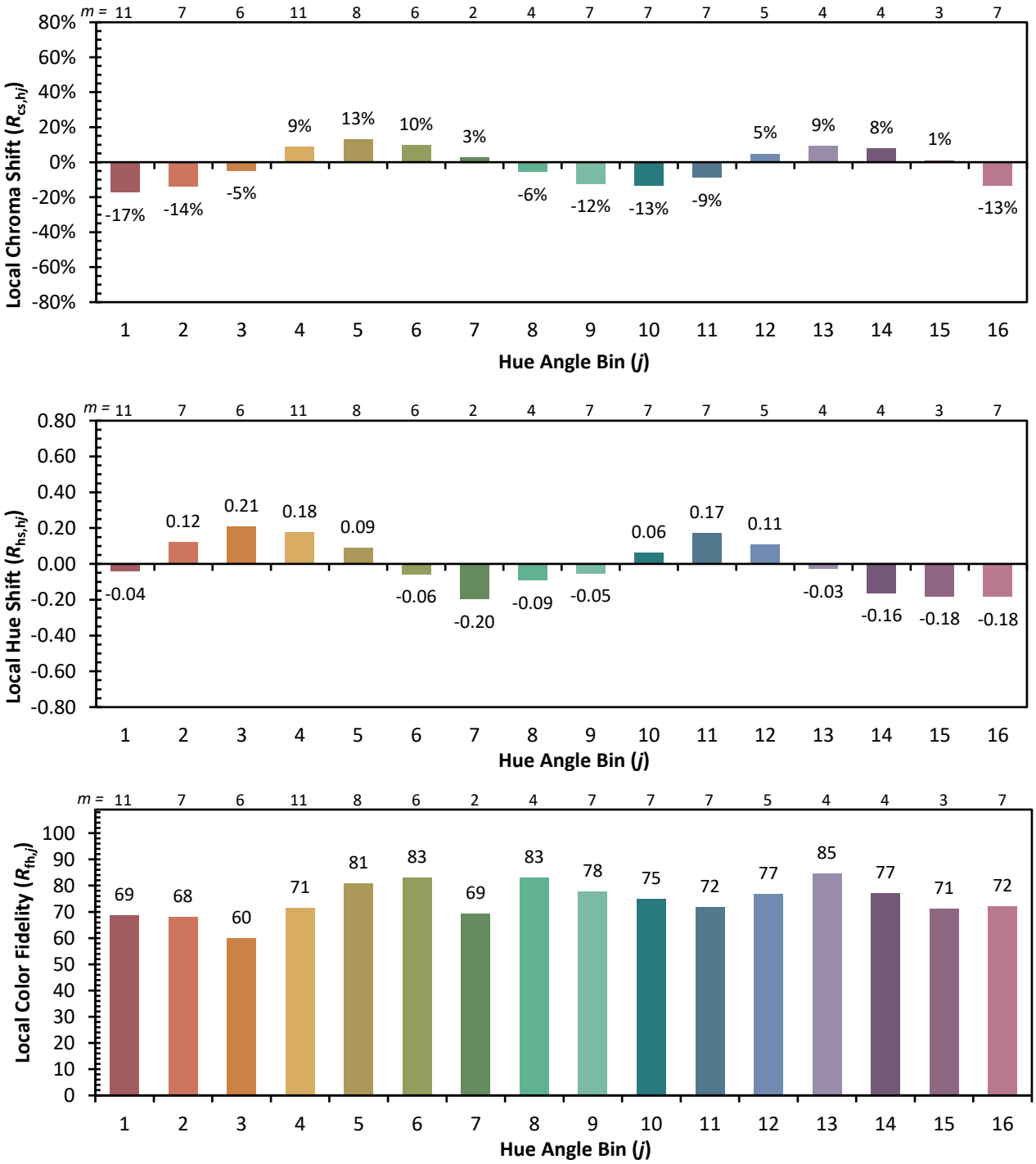
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 63 | CES51 = 86 | CES76 = 61 |
| CES02 = 62 | CES27 = 83 | CES52 = 86 | CES77 = 81 |
| CES03 = 31 | CES28 = 86 | CES53 = 75 | CES78 = 64 |
| CES04 = 71 | CES29 = 58 | CES54 = 81 | CES79 = 86 |
| CES05 = 49 | CES30 = 61 | CES55 = 80 | CES80 = 86 |
| CES06 = 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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# TM-30-18

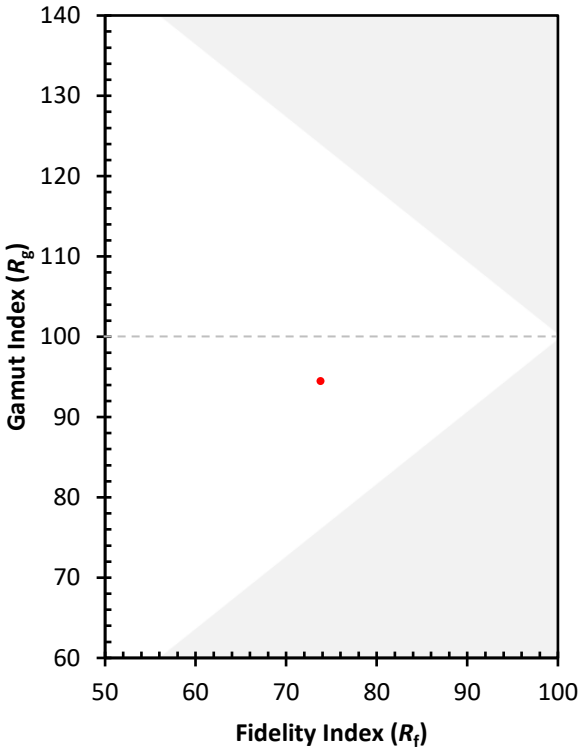
## Color Rendition by Hue-Angle Bin

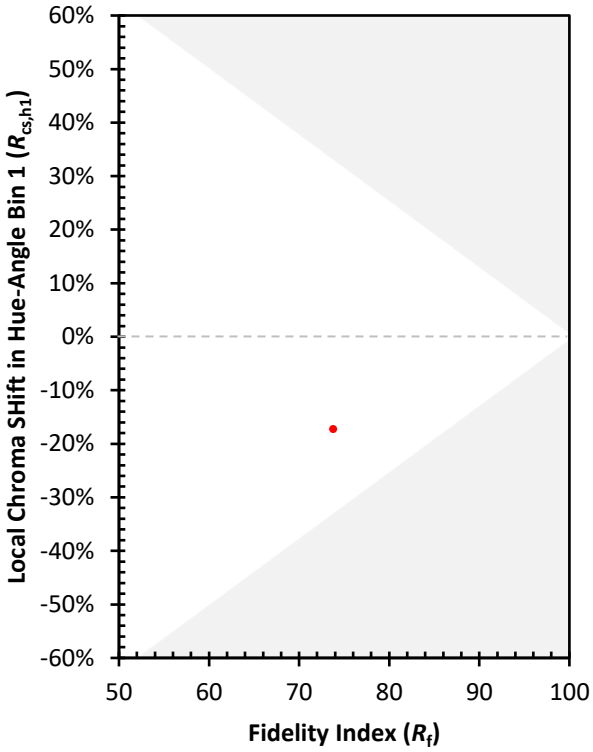


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## Measure Comparisons




(END OF REPORT)