

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: STREETWORKS

Report Number: P1384951

Luminaire Tested: **VAL-T-SB1A-735-U-SLR**

Issue Date: 02/18/2026

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

**Test Information**

Test Method: LM-79-08  
 Report Number: P1384951  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 02/18/2026  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: VAL-T-SB1A-735-U-SLR  
 Description: GALLEON II WALL SLIM HIGH DENSITY LED ARRAYS 15 SQUARE 31W 70CRI  
 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC  
 Light Source: (26) 3500K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER  
 Luminaire Equipment:

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

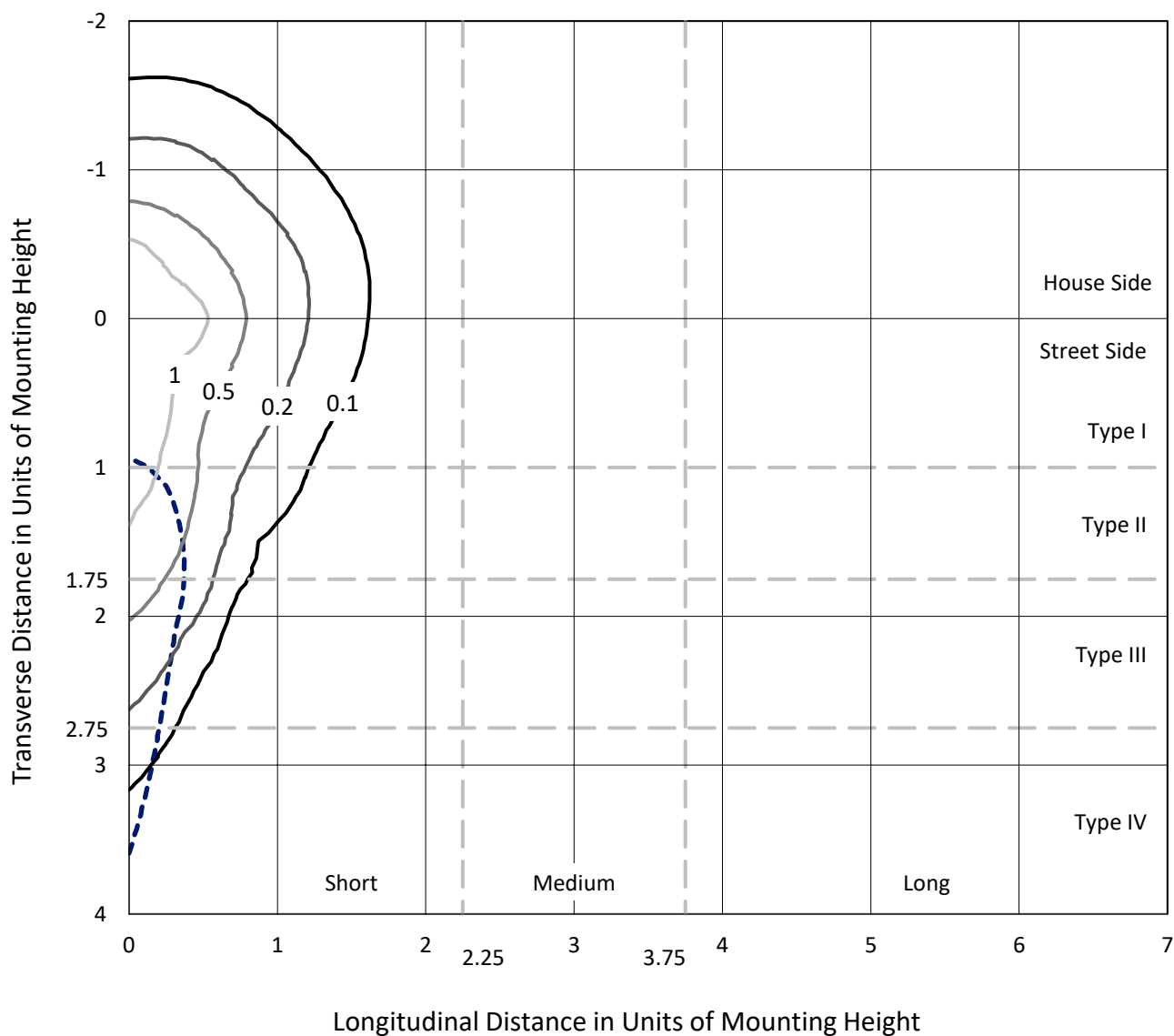
**Summary**

Lumens per Lamp: N/A  
 Luminaire Lumens: 3864.4 lumens  
 Efficiency: N/A  
 Efficacy: 124.7 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): 31  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): NR  
 Voltage Rise (V): NR  
 Power Factor: 0.98  
 Total Harmonic Distortion (THDi): 6.4%  
 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

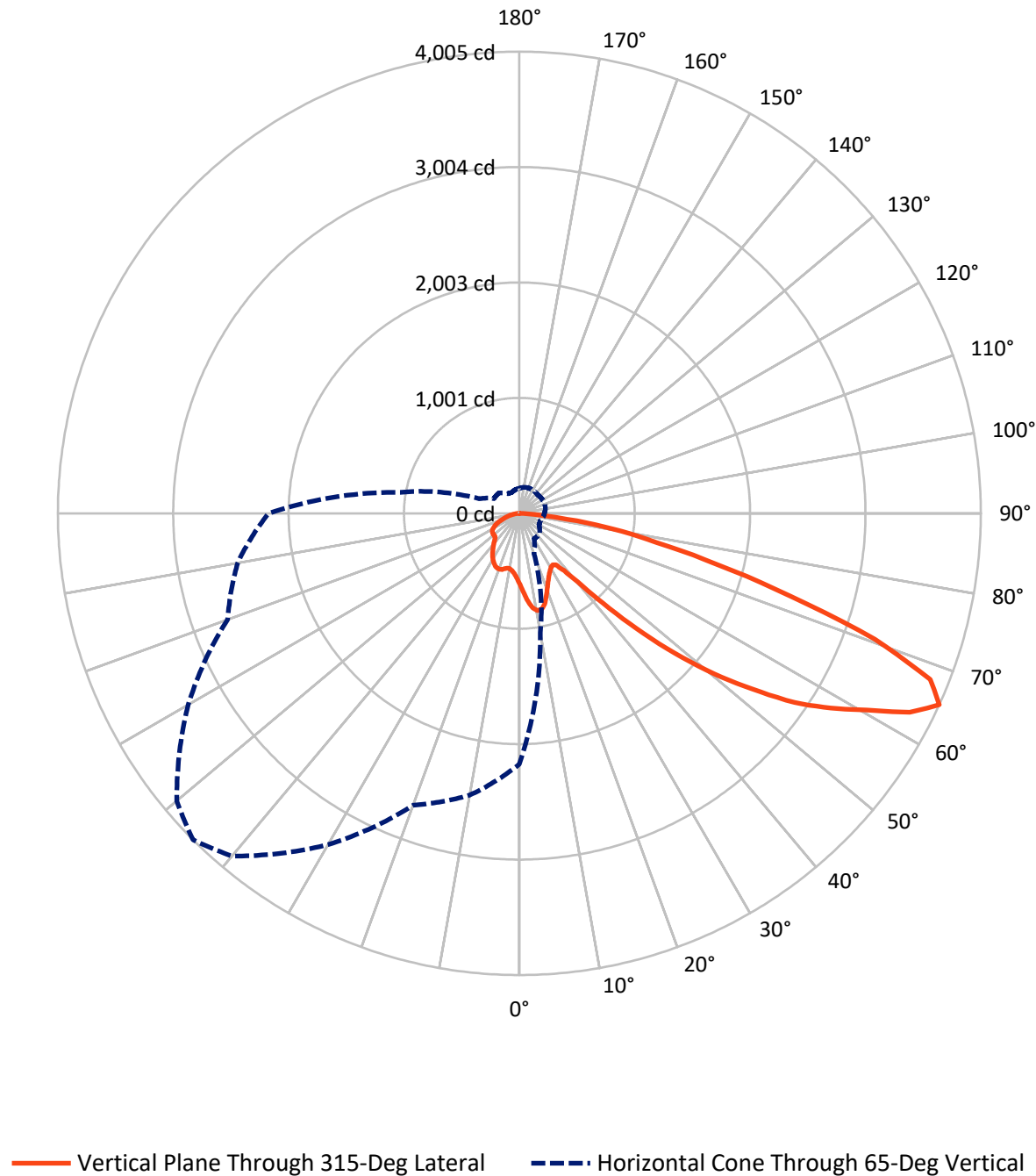
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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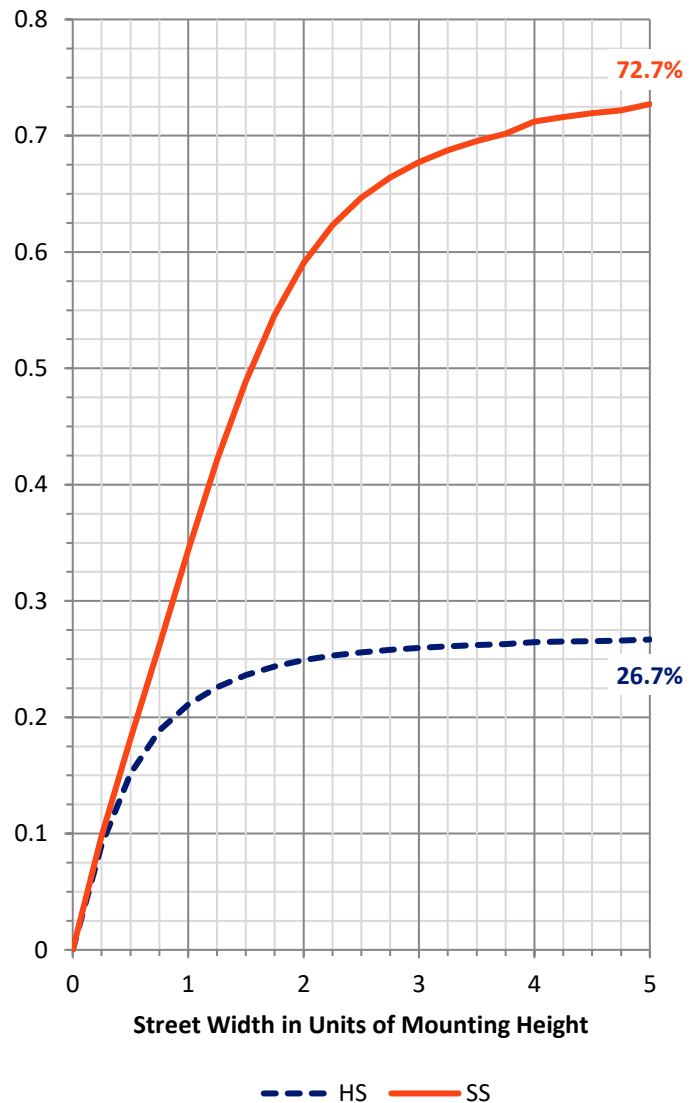
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1039.6   | 0.0    | 1039.6 |
|                    | % Fixture | 26.9     | 0.0    | 26.9   |
| <b>Street Side</b> | Lumens    | 2824.8   | 0.0    | 2824.8 |
|                    | % Fixture | 73.1     | 0.0    | 73.1   |
| <b>Total</b>       | Lumens    | 3864.4   | 0.0    | 3864.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.8   | 1.6       |
| 10°-20°   | 186.4  | 4.8       |
| 20°-30°   | 288.6  | 7.5       |
| 30°-40°   | 358.0  | 9.3       |
| 40°-50°   | 523.5  | 13.5      |
| 50°-60°   | 820.1  | 21.2      |
| 60°-70°   | 973.0  | 25.2      |
| 70°-80°   | 567.5  | 14.7      |
| 80°-90°   | 86.3   | 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°    | 3864.4 | 100.0     |
| 0°-180°   | 3864.4 | 100.0     |

**Coefficient of Utilization**



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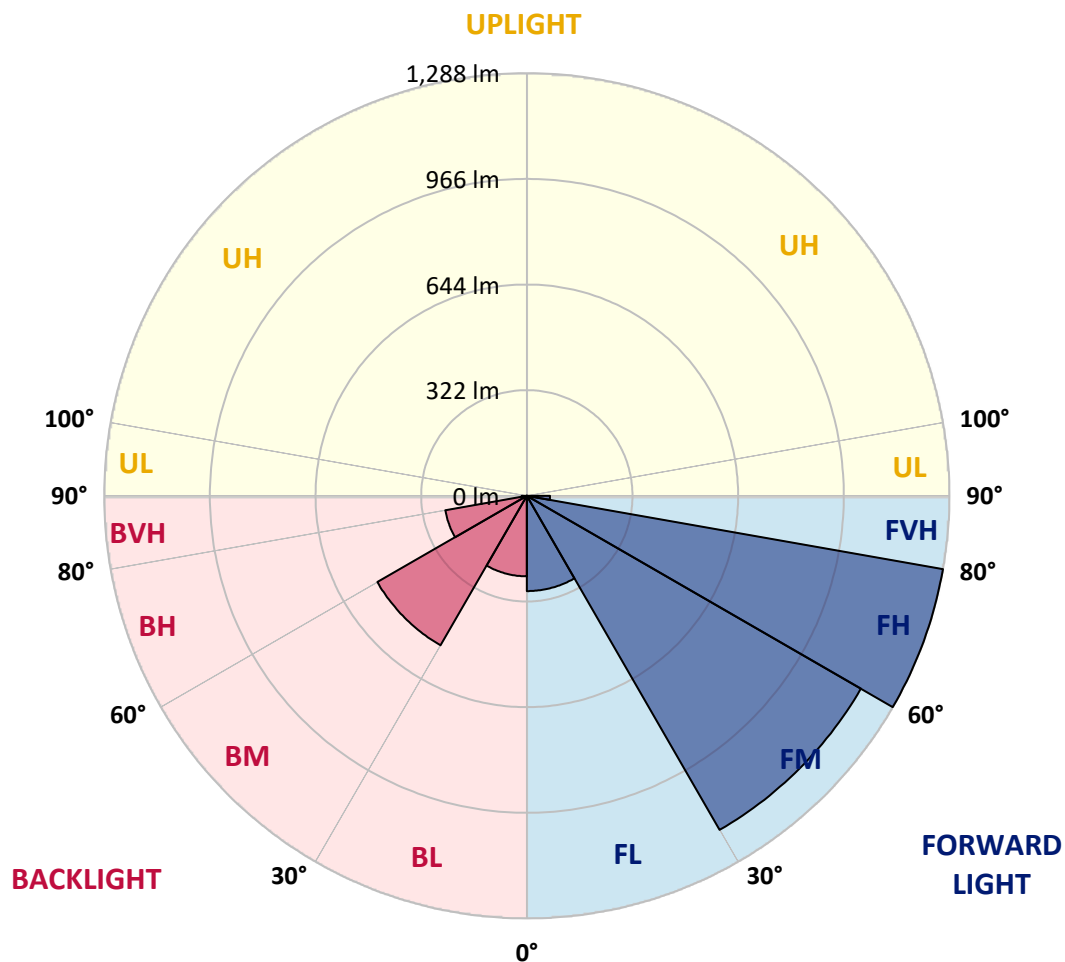
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 290.4  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 1175.6 | 30.4      |                         |      |         |
| FH   | (60°-80°)   | 1288.1 | 33.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 70.6   | 1.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 245.4  | 6.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 526.0  | 13.6      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 252.5  | 6.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 15.7   | 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°    | 616.2  | 616.2  | 616.2  | 616.2  | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 |
| 2.5°  | 665.8  | 659.7  | 653.8  | 648.3  | 642.8 | 637.3 | 631.8 | 626.5 | 621.1 | 615.7 | 611.0 |
| 5°    | 711.2  | 700.5  | 689.9  | 678.7  | 667.7 | 656.8 | 645.9 | 635.6 | 625.4 | 614.8 | 605.6 |
| 7.5°  | 757.0  | 739.0  | 721.1  | 704.2  | 687.2 | 672.1 | 657.0 | 643.5 | 629.9 | 615.7 | 604.6 |
| 10°   | 785.8  | 764.4  | 742.8  | 721.8  | 700.8 | 682.1 | 663.4 | 647.8 | 632.2 | 617.1 | 605.3 |
| 12.5° | 800.5  | 779.1  | 757.7  | 734.2  | 710.7 | 689.8 | 668.9 | 651.7 | 634.6 | 618.1 | 606.5 |
| 15°   | 807.6  | 785.9  | 764.4  | 740.5  | 716.5 | 694.1 | 671.5 | 652.1 | 632.7 | 614.3 | 604.1 |
| 17.5° | 809.4  | 789.2  | 769.1  | 743.6  | 718.1 | 692.4 | 666.7 | 644.2 | 621.7 | 600.1 | 591.4 |
| 20°   | 815.6  | 795.2  | 774.8  | 747.4  | 719.9 | 689.8 | 659.7 | 630.0 | 600.3 | 571.8 | 566.3 |
| 22.5° | 822.2  | 803.5  | 784.9  | 754.7  | 724.7 | 687.8 | 651.0 | 613.7 | 576.5 | 542.5 | 537.3 |
| 25°   | 832.6  | 816.4  | 800.3  | 767.4  | 734.5 | 687.6 | 640.8 | 594.3 | 547.9 | 508.9 | 508.4 |
| 27.5° | 847.7  | 835.3  | 823.0  | 785.9  | 749.0 | 689.4 | 629.9 | 574.5 | 519.0 | 479.1 | 481.5 |
| 30°   | 869.0  | 859.2  | 849.6  | 807.8  | 766.0 | 693.3 | 620.7 | 557.2 | 493.8 | 455.0 | 457.6 |
| 32.5° | 895.0  | 888.9  | 882.9  | 833.6  | 784.4 | 697.6 | 611.0 | 542.1 | 473.3 | 437.6 | 437.6 |
| 35°   | 938.9  | 931.4  | 923.8  | 861.0  | 798.4 | 696.6 | 594.9 | 524.9 | 454.8 | 427.2 | 421.3 |
| 37.5° | 994.7  | 985.7  | 976.7  | 894.5  | 812.3 | 693.7 | 575.1 | 505.8 | 436.6 | 414.9 | 403.7 |
| 40°   | 1076.9 | 1059.2 | 1041.5 | 932.8  | 824.1 | 687.1 | 550.0 | 483.0 | 416.0 | 398.8 | 384.8 |
| 42.5° | 1192.2 | 1154.8 | 1117.3 | 975.1  | 832.8 | 675.6 | 518.4 | 455.9 | 393.3 | 381.3 | 364.0 |
| 45°   | 1335.4 | 1275.4 | 1215.3 | 1032.6 | 849.8 | 667.8 | 485.8 | 428.3 | 370.9 | 360.1 | 342.9 |
| 47.5° | 1472.4 | 1396.4 | 1320.4 | 1091.6 | 862.8 | 658.6 | 454.4 | 400.9 | 347.6 | 335.0 | 319.0 |
| 50°   | 1631.2 | 1528.2 | 1425.2 | 1143.1 | 861.1 | 643.0 | 424.8 | 376.5 | 328.1 | 310.9 | 295.0 |
| 52.5° | 1834.8 | 1671.2 | 1507.6 | 1167.5 | 827.4 | 611.1 | 394.8 | 354.6 | 314.5 | 292.5 | 275.5 |
| 55°   | 2078.2 | 1815.0 | 1551.8 | 1161.1 | 770.4 | 568.7 | 366.9 | 336.3 | 305.4 | 283.5 | 263.5 |
| 57.5° | 2326.3 | 1935.7 | 1545.2 | 1126.0 | 706.9 | 524.4 | 341.9 | 320.8 | 299.6 | 281.2 | 256.6 |
| 60°   | 2512.4 | 1989.7 | 1466.9 | 1042.0 | 617.1 | 468.4 | 319.6 | 304.8 | 289.9 | 275.5 | 250.9 |
| 62.5° | 2435.4 | 1869.8 | 1304.2 | 904.3  | 504.5 | 397.3 | 290.1 | 281.8 | 273.6 | 267.5 | 244.0 |
| 65°   | 2175.5 | 1612.7 | 1050.0 | 709.4  | 368.8 | 312.2 | 255.6 | 253.8 | 252.1 | 250.4 | 231.1 |
| 67.5° | 1931.7 | 1385.1 | 838.5  | 552.0  | 265.6 | 238.7 | 211.9 | 216.9 | 221.9 | 224.5 | 211.2 |
| 70°   | 1698.3 | 1176.7 | 655.1  | 423.0  | 190.9 | 181.5 | 172.0 | 179.5 | 186.9 | 186.2 | 179.8 |
| 72.5° | 1457.8 | 977.1  | 496.3  | 318.0  | 139.7 | 139.5 | 139.4 | 145.1 | 150.7 | 143.2 | 147.2 |
| 75°   | 1193.6 | 780.1  | 366.7  | 235.7  | 104.7 | 104.1 | 103.5 | 110.2 | 117.0 | 120.0 | 122.7 |
| 77.5° | 793.9  | 511.8  | 229.8  | 152.3  | 74.8  | 75.4  | 75.8  | 83.2  | 90.5  | 99.2  | 99.7  |
| 80°   | 465.9  | 293.4  | 121.0  | 84.2   | 47.4  | 48.0  | 48.4  | 56.1  | 63.8  | 76.1  | 75.6  |
| 82.5° | 233.0  | 147.1  | 61.2   | 45.3   | 29.3  | 29.4  | 29.5  | 33.3  | 37.0  | 43.9  | 45.8  |
| 85°   | 52.9   | 35.0   | 17.0   | 14.4   | 11.8  | 12.4  | 13.0  | 15.5  | 18.0  | 21.7  | 22.9  |
| 87.5° | 4.3    | 4.2    | 4.0    | 3.9    | 3.8   | 4.0   | 4.3   | 4.7   | 5.2   | 5.7   | 6.6   |
| 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):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 |
| 2.5°  | 605.9 | 600.9 | 596.9 | 593.0 | 589.6 | 586.1 | 582.1 | 577.9 | 575.0 | 572.0 | 570.0 |
| 5°    | 596.5 | 587.6 | 580.3 | 572.9 | 566.8 | 560.6 | 555.1 | 549.6 | 545.2 | 540.8 | 537.2 |
| 7.5°  | 593.6 | 582.6 | 573.1 | 563.4 | 555.3 | 547.2 | 540.4 | 533.5 | 527.0 | 520.5 | 516.4 |
| 10°   | 593.7 | 582.2 | 572.3 | 562.5 | 553.9 | 545.3 | 536.3 | 527.3 | 520.2 | 513.0 | 506.7 |
| 12.5° | 596.9 | 587.4 | 580.5 | 573.7 | 565.7 | 557.8 | 547.1 | 536.3 | 526.6 | 516.9 | 509.3 |
| 15°   | 597.8 | 591.6 | 591.0 | 590.5 | 587.7 | 585.0 | 575.1 | 565.1 | 551.7 | 538.2 | 527.2 |
| 17.5° | 590.6 | 589.7 | 599.1 | 608.4 | 613.8 | 619.2 | 612.3 | 605.3 | 586.4 | 567.5 | 551.2 |
| 20°   | 571.7 | 577.0 | 595.3 | 613.5 | 628.1 | 642.6 | 641.9 | 641.2 | 616.6 | 591.8 | 570.3 |
| 22.5° | 545.2 | 553.0 | 577.0 | 600.9 | 621.8 | 642.8 | 648.2 | 653.5 | 629.3 | 605.0 | 578.6 |
| 25°   | 517.0 | 525.6 | 547.8 | 569.9 | 592.5 | 615.0 | 625.1 | 635.1 | 615.1 | 595.2 | 569.5 |
| 27.5° | 489.7 | 498.0 | 514.5 | 530.9 | 549.1 | 567.2 | 578.5 | 589.7 | 577.5 | 565.3 | 544.5 |
| 30°   | 464.0 | 470.5 | 482.4 | 494.3 | 506.6 | 518.8 | 527.8 | 536.8 | 528.8 | 520.7 | 505.8 |
| 32.5° | 440.3 | 443.0 | 450.8 | 458.5 | 467.7 | 476.8 | 481.8 | 486.7 | 480.5 | 474.2 | 464.4 |
| 35°   | 419.0 | 416.8 | 421.9 | 427.0 | 434.3 | 441.8 | 445.6 | 449.4 | 444.2 | 439.0 | 430.2 |
| 37.5° | 397.7 | 391.4 | 393.9 | 396.2 | 402.5 | 408.7 | 414.1 | 419.6 | 415.8 | 412.0 | 404.6 |
| 40°   | 375.8 | 366.7 | 366.5 | 366.2 | 372.3 | 378.2 | 385.0 | 391.7 | 391.1 | 390.3 | 383.2 |
| 42.5° | 352.5 | 341.0 | 339.7 | 338.5 | 344.5 | 350.4 | 357.6 | 364.8 | 366.2 | 367.6 | 361.8 |
| 45°   | 331.0 | 319.2 | 317.4 | 315.5 | 320.6 | 325.9 | 333.7 | 341.6 | 344.9 | 348.3 | 343.0 |
| 47.5° | 308.8 | 298.6 | 297.5 | 296.3 | 301.7 | 307.1 | 315.8 | 324.6 | 328.1 | 331.7 | 328.1 |
| 50°   | 286.7 | 278.3 | 279.7 | 281.2 | 287.1 | 293.0 | 299.8 | 306.7 | 313.2 | 319.6 | 319.0 |
| 52.5° | 269.2 | 262.9 | 267.4 | 271.7 | 277.1 | 282.6 | 289.7 | 296.7 | 303.6 | 310.5 | 311.5 |
| 55°   | 256.5 | 249.5 | 255.7 | 262.0 | 268.5 | 275.0 | 281.6 | 288.2 | 294.7 | 301.0 | 302.4 |
| 57.5° | 246.8 | 237.0 | 243.3 | 249.5 | 256.6 | 263.7 | 270.3 | 276.9 | 284.4 | 291.8 | 293.0 |
| 60°   | 238.6 | 226.3 | 230.5 | 234.6 | 241.8 | 249.0 | 255.9 | 262.7 | 270.3 | 277.8 | 279.4 |
| 62.5° | 227.9 | 211.9 | 212.4 | 212.8 | 221.0 | 229.2 | 234.8 | 240.5 | 247.7 | 255.0 | 257.2 |
| 65°   | 213.8 | 196.6 | 194.7 | 192.8 | 200.5 | 208.4 | 212.8 | 217.4 | 223.6 | 229.8 | 232.0 |
| 67.5° | 196.0 | 180.7 | 176.8 | 172.9 | 180.1 | 187.3 | 191.0 | 194.7 | 198.9 | 203.2 | 205.6 |
| 70°   | 170.7 | 161.6 | 159.1 | 156.7 | 162.6 | 168.4 | 171.6 | 174.8 | 178.2 | 181.6 | 183.0 |
| 72.5° | 145.2 | 143.2 | 141.4 | 139.7 | 144.1 | 148.6 | 151.3 | 154.0 | 157.3 | 160.5 | 161.2 |
| 75°   | 121.5 | 120.5 | 119.2 | 117.9 | 121.3 | 124.7 | 126.8 | 129.0 | 132.3 | 135.6 | 137.0 |
| 77.5° | 97.2  | 94.7  | 93.4  | 91.9  | 95.0  | 98.1  | 100.1 | 102.1 | 104.8 | 107.5 | 107.9 |
| 80°   | 72.6  | 69.5  | 68.4  | 67.3  | 69.6  | 71.8  | 72.6  | 73.2  | 75.5  | 77.7  | 77.7  |
| 82.5° | 45.8  | 45.8  | 45.2  | 44.4  | 43.9  | 43.5  | 42.5  | 41.6  | 43.9  | 46.1  | 46.9  |
| 85°   | 23.1  | 23.2  | 22.1  | 21.0  | 19.7  | 18.1  | 17.9  | 17.5  | 17.4  | 17.2  | 17.9  |
| 87.5° | 7.2   | 7.7   | 8.3   | 8.7   | 9.3   | 9.6   | 9.4   | 9.0   | 8.6   | 8.3   | 7.6   |
| 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°    | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 |
| 2.5°  | 568.0 | 567.0 | 566.1 | 565.3 | 564.7 | 564.2 | 564.7 | 565.3 | 566.1 | 567.0 | 568.0 |
| 5°    | 533.5 | 532.0 | 530.4 | 529.3 | 528.3 | 527.3 | 528.3 | 529.3 | 530.4 | 532.0 | 533.5 |
| 7.5°  | 512.2 | 509.8 | 507.3 | 505.5 | 503.7 | 502.8 | 503.7 | 505.5 | 507.3 | 509.8 | 512.2 |
| 10°   | 500.7 | 497.2 | 493.8 | 491.9 | 490.0 | 488.6 | 490.0 | 491.9 | 493.8 | 497.2 | 500.7 |
| 12.5° | 501.6 | 497.3 | 493.1 | 490.3 | 487.5 | 485.8 | 487.5 | 490.3 | 493.1 | 497.3 | 501.6 |
| 15°   | 516.2 | 510.1 | 503.9 | 500.4 | 496.9 | 494.3 | 496.9 | 500.4 | 503.9 | 510.1 | 516.2 |
| 17.5° | 534.9 | 526.0 | 517.1 | 514.0 | 510.8 | 509.4 | 510.8 | 514.0 | 517.1 | 526.0 | 534.9 |
| 20°   | 548.9 | 537.0 | 525.3 | 520.5 | 515.8 | 514.1 | 515.8 | 520.5 | 525.3 | 537.0 | 548.9 |
| 22.5° | 552.1 | 538.1 | 524.0 | 519.6 | 515.1 | 513.2 | 515.1 | 519.6 | 524.0 | 538.1 | 552.1 |
| 25°   | 543.9 | 529.1 | 514.3 | 509.8 | 505.1 | 503.7 | 505.1 | 509.8 | 514.3 | 529.1 | 543.9 |
| 27.5° | 523.8 | 510.7 | 497.6 | 492.8 | 487.8 | 484.8 | 487.8 | 492.8 | 497.6 | 510.7 | 523.8 |
| 30°   | 491.0 | 481.2 | 471.6 | 468.6 | 465.4 | 464.0 | 465.4 | 468.6 | 471.6 | 481.2 | 491.0 |
| 32.5° | 454.6 | 448.5 | 442.5 | 440.5 | 438.5 | 437.6 | 438.5 | 440.5 | 442.5 | 448.5 | 454.6 |
| 35°   | 421.5 | 417.1 | 412.8 | 411.2 | 409.7 | 408.3 | 409.7 | 411.2 | 412.8 | 417.1 | 421.5 |
| 37.5° | 397.1 | 392.0 | 386.7 | 383.9 | 381.0 | 379.0 | 381.0 | 383.9 | 386.7 | 392.0 | 397.1 |
| 40°   | 376.1 | 368.8 | 361.5 | 357.6 | 353.6 | 351.6 | 353.6 | 357.6 | 361.5 | 368.8 | 376.1 |
| 42.5° | 355.8 | 347.3 | 338.8 | 332.9 | 327.0 | 323.2 | 327.0 | 332.9 | 338.8 | 347.3 | 355.8 |
| 45°   | 337.6 | 328.0 | 318.5 | 311.4 | 304.3 | 299.6 | 304.3 | 311.4 | 318.5 | 328.0 | 337.6 |
| 47.5° | 324.6 | 316.4 | 308.1 | 301.9 | 295.6 | 291.1 | 295.6 | 301.9 | 308.1 | 316.4 | 324.6 |
| 50°   | 318.3 | 311.8 | 305.3 | 299.4 | 293.4 | 289.2 | 293.4 | 299.4 | 305.3 | 311.8 | 318.3 |
| 52.5° | 312.6 | 307.9 | 303.2 | 298.1 | 293.0 | 289.2 | 293.0 | 298.1 | 303.2 | 307.9 | 312.6 |
| 55°   | 303.8 | 300.4 | 296.9 | 293.2 | 289.4 | 286.4 | 289.4 | 293.2 | 296.9 | 300.4 | 303.8 |
| 57.5° | 294.1 | 290.5 | 286.8 | 284.0 | 281.2 | 279.7 | 281.2 | 284.0 | 286.8 | 290.5 | 294.1 |
| 60°   | 280.9 | 278.0 | 275.2 | 272.6 | 269.8 | 267.5 | 269.8 | 272.6 | 275.2 | 278.0 | 280.9 |
| 62.5° | 259.4 | 258.1 | 256.9 | 253.8 | 250.9 | 247.6 | 250.9 | 253.8 | 256.9 | 258.1 | 259.4 |
| 65°   | 234.2 | 233.5 | 233.0 | 230.8 | 228.7 | 224.9 | 228.7 | 230.8 | 233.0 | 233.5 | 234.2 |
| 67.5° | 208.1 | 206.9 | 205.6 | 203.3 | 201.1 | 200.4 | 201.1 | 203.3 | 205.6 | 206.9 | 208.1 |
| 70°   | 184.3 | 182.4 | 180.5 | 175.4 | 170.3 | 164.4 | 170.3 | 175.4 | 180.5 | 182.4 | 184.3 |
| 72.5° | 162.1 | 159.1 | 156.1 | 150.2 | 144.1 | 138.0 | 144.1 | 150.2 | 156.1 | 159.1 | 162.1 |
| 75°   | 138.5 | 134.3 | 130.2 | 123.9 | 117.7 | 113.4 | 117.7 | 123.9 | 130.2 | 134.3 | 138.5 |
| 77.5° | 108.5 | 104.9 | 101.3 | 97.5  | 93.7  | 91.7  | 93.7  | 97.5  | 101.3 | 104.9 | 108.5 |
| 80°   | 77.7  | 75.0  | 72.3  | 70.4  | 68.5  | 67.1  | 68.5  | 70.4  | 72.3  | 75.0  | 77.7  |
| 82.5° | 47.7  | 46.5  | 45.4  | 43.3  | 41.1  | 39.7  | 41.1  | 43.3  | 45.4  | 46.5  | 47.7  |
| 85°   | 18.4  | 18.1  | 18.0  | 17.2  | 16.5  | 16.1  | 16.5  | 17.2  | 18.0  | 18.1  | 18.4  |
| 87.5° | 6.8   | 6.2   | 5.7   | 5.3   | 4.9   | 4.7   | 4.9   | 5.3   | 5.7   | 6.2   | 6.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P1384951

CATALOG NUMBER: VAL-T-SB1A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 |
| 2.5°  | 570.0 | 572.0 | 575.0 | 577.9 | 582.1 | 586.1 | 589.6 | 593.0 | 596.9 | 600.9 | 605.9 |
| 5°    | 537.2 | 540.8 | 545.2 | 549.6 | 555.1 | 560.6 | 566.8 | 572.9 | 580.3 | 587.6 | 596.5 |
| 7.5°  | 516.4 | 520.5 | 527.0 | 533.5 | 540.4 | 547.2 | 555.3 | 563.4 | 573.1 | 582.6 | 593.6 |
| 10°   | 506.7 | 513.0 | 520.2 | 527.3 | 536.3 | 545.3 | 553.9 | 562.5 | 572.3 | 582.2 | 593.7 |
| 12.5° | 509.3 | 516.9 | 526.6 | 536.3 | 547.1 | 557.8 | 565.7 | 573.7 | 580.5 | 587.4 | 596.9 |
| 15°   | 527.2 | 538.2 | 551.7 | 565.1 | 575.1 | 585.0 | 587.7 | 590.5 | 591.0 | 591.6 | 597.8 |
| 17.5° | 551.2 | 567.5 | 586.4 | 605.3 | 612.3 | 619.2 | 613.8 | 608.4 | 599.1 | 589.7 | 590.6 |
| 20°   | 570.3 | 591.8 | 616.6 | 641.2 | 641.9 | 642.6 | 628.1 | 613.5 | 595.3 | 577.0 | 571.7 |
| 22.5° | 578.6 | 605.0 | 629.3 | 653.5 | 648.2 | 642.8 | 621.8 | 600.9 | 577.0 | 553.0 | 545.2 |
| 25°   | 569.5 | 595.2 | 615.1 | 635.1 | 625.1 | 615.0 | 592.5 | 569.9 | 547.8 | 525.6 | 517.0 |
| 27.5° | 544.5 | 565.3 | 577.5 | 589.7 | 578.5 | 567.2 | 549.1 | 530.9 | 514.5 | 498.0 | 489.7 |
| 30°   | 505.8 | 520.7 | 528.8 | 536.8 | 527.8 | 518.8 | 506.6 | 494.3 | 482.4 | 470.5 | 464.0 |
| 32.5° | 464.4 | 474.2 | 480.5 | 486.7 | 481.8 | 476.8 | 467.7 | 458.5 | 450.8 | 443.0 | 440.3 |
| 35°   | 430.2 | 439.0 | 444.2 | 449.4 | 445.6 | 441.8 | 434.3 | 427.0 | 421.9 | 416.8 | 419.0 |
| 37.5° | 404.6 | 412.0 | 415.8 | 419.6 | 414.1 | 408.7 | 402.5 | 396.2 | 393.9 | 391.4 | 397.7 |
| 40°   | 383.2 | 390.3 | 391.1 | 391.7 | 385.0 | 378.2 | 372.3 | 366.2 | 366.5 | 366.7 | 375.8 |
| 42.5° | 361.8 | 367.6 | 366.2 | 364.8 | 357.6 | 350.4 | 344.5 | 338.5 | 339.7 | 341.0 | 352.5 |
| 45°   | 343.0 | 348.3 | 344.9 | 341.6 | 333.7 | 325.9 | 320.6 | 315.5 | 317.4 | 319.2 | 331.0 |
| 47.5° | 328.1 | 331.7 | 328.1 | 324.6 | 315.8 | 307.1 | 301.7 | 296.3 | 297.5 | 298.6 | 308.8 |
| 50°   | 319.0 | 319.6 | 313.2 | 306.7 | 299.8 | 293.0 | 287.1 | 281.2 | 279.7 | 278.3 | 286.7 |
| 52.5° | 311.5 | 310.5 | 303.6 | 296.7 | 289.7 | 282.6 | 277.1 | 271.7 | 267.4 | 262.9 | 269.2 |
| 55°   | 302.4 | 301.0 | 294.7 | 288.2 | 281.6 | 275.0 | 268.5 | 262.0 | 255.7 | 249.5 | 256.5 |
| 57.5° | 293.0 | 291.8 | 284.4 | 276.9 | 270.3 | 263.7 | 256.6 | 249.5 | 243.3 | 237.0 | 246.8 |
| 60°   | 279.4 | 277.8 | 270.3 | 262.7 | 255.9 | 249.0 | 241.8 | 234.6 | 230.5 | 226.3 | 238.6 |
| 62.5° | 257.2 | 255.0 | 247.7 | 240.5 | 234.8 | 229.2 | 221.0 | 212.8 | 212.4 | 211.9 | 227.9 |
| 65°   | 232.0 | 229.8 | 223.6 | 217.4 | 212.8 | 208.4 | 200.5 | 192.8 | 194.7 | 196.6 | 213.8 |
| 67.5° | 205.6 | 203.2 | 198.9 | 194.7 | 191.0 | 187.3 | 180.1 | 172.9 | 176.8 | 180.7 | 196.0 |
| 70°   | 183.0 | 181.6 | 178.2 | 174.8 | 171.6 | 168.4 | 162.6 | 156.7 | 159.1 | 161.6 | 170.7 |
| 72.5° | 161.2 | 160.5 | 157.3 | 154.0 | 151.3 | 148.6 | 144.1 | 139.7 | 141.4 | 143.2 | 145.2 |
| 75°   | 137.0 | 135.6 | 132.3 | 129.0 | 126.8 | 124.7 | 121.3 | 117.9 | 119.2 | 120.5 | 121.5 |
| 77.5° | 107.9 | 107.5 | 104.8 | 102.1 | 100.1 | 98.1  | 95.0  | 91.9  | 93.4  | 94.7  | 97.2  |
| 80°   | 77.7  | 77.7  | 75.5  | 73.2  | 72.6  | 71.8  | 69.6  | 67.3  | 68.4  | 69.5  | 72.6  |
| 82.5° | 46.9  | 46.1  | 43.9  | 41.6  | 42.5  | 43.5  | 43.9  | 44.4  | 45.2  | 45.8  | 45.8  |
| 85°   | 17.9  | 17.2  | 17.4  | 17.5  | 17.9  | 18.1  | 19.7  | 21.0  | 22.1  | 23.2  | 23.1  |
| 87.5° | 7.6   | 8.3   | 8.6   | 9.0   | 9.4   | 9.6   | 9.3   | 8.7   | 8.3   | 7.7   | 7.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P1384951

CATALOG NUMBER: VAL-T-SB1A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°   | 260°   | 265°   | 270°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2 | 616.2  | 616.2  | 616.2  | 616.2  |
| 2.5°  | 611.0 | 615.7 | 621.1 | 626.5 | 631.8 | 637.3 | 642.8 | 648.3  | 653.8  | 659.7  | 665.8  |
| 5°    | 605.6 | 614.8 | 625.4 | 635.6 | 645.9 | 656.8 | 667.7 | 678.7  | 689.9  | 700.5  | 711.2  |
| 7.5°  | 604.6 | 615.7 | 629.9 | 643.5 | 657.0 | 672.1 | 687.2 | 704.2  | 721.1  | 739.0  | 757.0  |
| 10°   | 605.3 | 617.1 | 632.2 | 647.8 | 663.4 | 682.1 | 700.8 | 721.8  | 742.8  | 764.4  | 785.8  |
| 12.5° | 606.5 | 618.1 | 634.6 | 651.7 | 668.9 | 689.8 | 710.7 | 734.2  | 757.7  | 779.1  | 800.5  |
| 15°   | 604.1 | 614.3 | 632.7 | 652.1 | 671.5 | 694.1 | 716.5 | 740.5  | 764.4  | 785.9  | 807.6  |
| 17.5° | 591.4 | 600.1 | 621.7 | 644.2 | 666.7 | 692.4 | 718.1 | 743.6  | 769.1  | 789.2  | 809.4  |
| 20°   | 566.3 | 571.8 | 600.3 | 630.0 | 659.7 | 689.8 | 719.9 | 747.4  | 774.8  | 795.2  | 815.6  |
| 22.5° | 537.3 | 542.5 | 576.5 | 613.7 | 651.0 | 687.8 | 724.7 | 754.7  | 784.9  | 803.5  | 822.2  |
| 25°   | 508.4 | 508.9 | 547.9 | 594.3 | 640.8 | 687.6 | 734.5 | 767.4  | 800.3  | 816.4  | 832.6  |
| 27.5° | 481.5 | 479.1 | 519.0 | 574.5 | 629.9 | 689.4 | 749.0 | 785.9  | 823.0  | 835.3  | 847.7  |
| 30°   | 457.6 | 455.0 | 493.8 | 557.2 | 620.7 | 693.3 | 766.0 | 807.8  | 849.6  | 859.2  | 869.0  |
| 32.5° | 437.6 | 437.6 | 473.3 | 542.1 | 611.0 | 697.6 | 784.4 | 833.6  | 882.9  | 888.9  | 895.0  |
| 35°   | 421.3 | 427.2 | 454.8 | 524.9 | 594.9 | 696.6 | 798.4 | 861.0  | 923.8  | 931.4  | 938.9  |
| 37.5° | 403.7 | 414.9 | 436.6 | 505.8 | 575.1 | 693.7 | 812.3 | 894.5  | 976.7  | 985.7  | 994.7  |
| 40°   | 384.8 | 398.8 | 416.0 | 483.0 | 550.0 | 687.1 | 824.1 | 932.8  | 1041.5 | 1059.2 | 1076.9 |
| 42.5° | 364.0 | 381.3 | 393.3 | 455.9 | 518.4 | 675.6 | 832.8 | 975.1  | 1117.3 | 1154.8 | 1192.2 |
| 45°   | 342.9 | 360.1 | 370.9 | 428.3 | 485.8 | 667.8 | 849.8 | 1032.6 | 1215.3 | 1275.4 | 1335.4 |
| 47.5° | 319.0 | 335.0 | 347.6 | 400.9 | 454.4 | 658.6 | 862.8 | 1091.6 | 1320.4 | 1396.4 | 1472.4 |
| 50°   | 295.0 | 310.9 | 328.1 | 376.5 | 424.8 | 643.0 | 861.1 | 1143.1 | 1425.2 | 1528.2 | 1631.2 |
| 52.5° | 275.5 | 292.5 | 314.5 | 354.6 | 394.8 | 611.1 | 827.4 | 1167.5 | 1507.6 | 1671.2 | 1834.8 |
| 55°   | 263.5 | 283.5 | 305.4 | 336.3 | 366.9 | 568.7 | 770.4 | 1161.1 | 1551.8 | 1815.0 | 2078.2 |
| 57.5° | 256.6 | 281.2 | 299.6 | 320.8 | 341.9 | 524.4 | 706.9 | 1126.0 | 1545.2 | 1935.7 | 2326.3 |
| 60°   | 250.9 | 275.5 | 289.9 | 304.8 | 319.6 | 468.4 | 617.1 | 1042.0 | 1466.9 | 1989.7 | 2512.4 |
| 62.5° | 244.0 | 267.5 | 273.6 | 281.8 | 290.1 | 397.3 | 504.5 | 904.3  | 1304.2 | 1869.8 | 2435.4 |
| 65°   | 231.1 | 250.4 | 252.1 | 253.8 | 255.6 | 312.2 | 368.8 | 709.4  | 1050.0 | 1612.7 | 2175.5 |
| 67.5° | 211.2 | 224.5 | 221.9 | 216.9 | 211.9 | 238.7 | 265.6 | 552.0  | 838.5  | 1385.1 | 1931.7 |
| 70°   | 179.8 | 186.2 | 186.9 | 179.5 | 172.0 | 181.5 | 190.9 | 423.0  | 655.1  | 1176.7 | 1698.3 |
| 72.5° | 147.2 | 143.2 | 150.7 | 145.1 | 139.4 | 139.5 | 139.7 | 318.0  | 496.3  | 977.1  | 1457.8 |
| 75°   | 122.7 | 120.0 | 117.0 | 110.2 | 103.5 | 104.1 | 104.7 | 235.7  | 366.7  | 780.1  | 1193.6 |
| 77.5° | 99.7  | 99.2  | 90.5  | 83.2  | 75.8  | 75.4  | 74.8  | 152.3  | 229.8  | 511.8  | 793.9  |
| 80°   | 75.6  | 76.1  | 63.8  | 56.1  | 48.4  | 48.0  | 47.4  | 84.2   | 121.0  | 293.4  | 465.9  |
| 82.5° | 45.8  | 43.9  | 37.0  | 33.3  | 29.5  | 29.4  | 29.3  | 45.3   | 61.2   | 147.1  | 233.0  |
| 85°   | 22.9  | 21.7  | 18.0  | 15.5  | 13.0  | 12.4  | 11.8  | 14.4   | 17.0   | 35.0   | 52.9   |
| 87.5° | 6.6   | 5.7   | 5.2   | 4.7   | 4.3   | 4.0   | 3.8   | 3.9    | 4.0    | 4.2    | 4.3    |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P1384951

CATALOG NUMBER: VAL-T-SB1A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  |
| 2.5°  | 668.2  | 670.5  | 673.1  | 675.7  | 677.2  | 678.7  | 680.3  | 681.9  | 683.3  | 681.9  | 680.3  |
| 5°    | 721.8  | 732.4  | 739.6  | 746.8  | 752.3  | 757.7  | 760.9  | 764.1  | 764.6  | 764.1  | 760.9  |
| 7.5°  | 769.7  | 782.3  | 793.3  | 804.2  | 811.2  | 818.2  | 822.3  | 826.5  | 827.9  | 826.5  | 822.3  |
| 10°   | 800.7  | 815.6  | 826.2  | 836.9  | 843.4  | 849.8  | 853.0  | 856.2  | 857.2  | 856.2  | 853.0  |
| 12.5° | 814.7  | 829.0  | 837.2  | 845.4  | 849.5  | 853.6  | 855.1  | 856.4  | 855.3  | 856.4  | 855.1  |
| 15°   | 816.0  | 824.3  | 827.8  | 831.2  | 829.2  | 827.1  | 824.2  | 821.3  | 819.4  | 821.3  | 824.2  |
| 17.5° | 812.4  | 815.4  | 809.1  | 802.8  | 791.5  | 780.1  | 771.6  | 763.1  | 757.0  | 763.1  | 771.6  |
| 20°   | 810.9  | 806.1  | 789.3  | 772.6  | 751.3  | 730.1  | 715.8  | 701.4  | 692.7  | 701.4  | 715.8  |
| 22.5° | 808.9  | 795.6  | 767.3  | 739.0  | 709.9  | 680.9  | 664.5  | 648.1  | 638.9  | 648.1  | 664.5  |
| 25°   | 809.7  | 786.8  | 748.6  | 710.5  | 676.3  | 642.2  | 624.3  | 606.5  | 596.3  | 606.5  | 624.3  |
| 27.5° | 812.8  | 777.8  | 730.5  | 683.3  | 646.2  | 609.1  | 592.1  | 575.1  | 566.1  | 575.1  | 592.1  |
| 30°   | 822.6  | 776.1  | 719.6  | 663.0  | 624.2  | 585.5  | 568.8  | 552.1  | 542.5  | 552.1  | 568.8  |
| 32.5° | 836.4  | 777.8  | 714.5  | 651.1  | 611.6  | 572.2  | 556.3  | 540.4  | 532.1  | 540.4  | 556.3  |
| 35°   | 864.7  | 790.5  | 720.3  | 650.2  | 613.5  | 577.0  | 565.2  | 553.6  | 549.1  | 553.6  | 565.2  |
| 37.5° | 908.0  | 821.3  | 749.0  | 676.7  | 651.7  | 626.8  | 626.8  | 626.8  | 630.4  | 626.8  | 626.8  |
| 40°   | 979.6  | 882.2  | 813.8  | 745.5  | 744.0  | 742.6  | 758.5  | 774.5  | 781.6  | 774.5  | 758.5  |
| 42.5° | 1089.3 | 986.5  | 931.3  | 876.1  | 909.1  | 942.2  | 988.2  | 1034.1 | 1064.1 | 1034.1 | 988.2  |
| 45°   | 1235.2 | 1135.0 | 1096.5 | 1058.0 | 1131.6 | 1205.1 | 1286.3 | 1367.5 | 1425.2 | 1367.5 | 1286.3 |
| 47.5° | 1388.1 | 1303.7 | 1281.7 | 1259.8 | 1382.2 | 1504.5 | 1623.5 | 1742.5 | 1812.6 | 1742.5 | 1623.5 |
| 50°   | 1555.4 | 1479.5 | 1475.2 | 1471.0 | 1634.0 | 1797.0 | 1950.6 | 2104.2 | 2189.7 | 2104.2 | 1950.6 |
| 52.5° | 1751.6 | 1668.2 | 1671.6 | 1674.8 | 1868.5 | 2062.1 | 2247.8 | 2433.5 | 2529.9 | 2433.5 | 2247.8 |
| 55°   | 1973.8 | 1869.3 | 1868.8 | 1868.2 | 2090.7 | 2313.3 | 2541.5 | 2769.8 | 2898.5 | 2769.8 | 2541.5 |
| 57.5° | 2228.5 | 2130.6 | 2107.4 | 2084.0 | 2316.7 | 2549.3 | 2801.3 | 3053.3 | 3188.6 | 3053.3 | 2801.3 |
| 60°   | 2458.6 | 2404.7 | 2367.5 | 2330.3 | 2569.2 | 2808.2 | 3068.5 | 3328.7 | 3463.6 | 3328.7 | 3068.5 |
| 62.5° | 2531.7 | 2628.0 | 2625.3 | 2622.5 | 2880.4 | 3138.4 | 3409.0 | 3679.9 | 3801.0 | 3679.9 | 3409.0 |
| 65°   | 2329.1 | 2482.7 | 2588.3 | 2693.9 | 3005.7 | 3317.4 | 3599.4 | 3881.4 | 4005.2 | 3881.4 | 3599.4 |
| 67.5° | 2067.0 | 2202.5 | 2288.9 | 2375.4 | 2726.7 | 3078.1 | 3398.1 | 3718.1 | 3845.5 | 3718.1 | 3398.1 |
| 70°   | 1848.2 | 1998.0 | 2059.9 | 2121.7 | 2420.1 | 2718.5 | 2971.6 | 3224.7 | 3274.6 | 3224.7 | 2971.6 |
| 72.5° | 1636.0 | 1814.3 | 1840.5 | 1866.7 | 2083.9 | 2301.0 | 2435.9 | 2570.8 | 2461.9 | 2570.8 | 2435.9 |
| 75°   | 1394.7 | 1595.7 | 1613.2 | 1630.7 | 1698.4 | 1766.1 | 1800.4 | 1834.8 | 1772.9 | 1834.8 | 1800.4 |
| 77.5° | 967.9  | 1142.1 | 1181.3 | 1220.5 | 1265.6 | 1310.8 | 1308.4 | 1306.1 | 1219.1 | 1306.1 | 1308.4 |
| 80°   | 602.1  | 738.3  | 743.4  | 748.5  | 782.3  | 816.1  | 850.6  | 885.0  | 829.8  | 885.0  | 850.6  |
| 82.5° | 307.7  | 382.6  | 394.1  | 405.6  | 426.3  | 447.0  | 456.7  | 466.4  | 419.6  | 466.4  | 456.7  |
| 85°   | 72.4   | 91.9   | 110.7  | 129.5  | 151.2  | 172.9  | 170.5  | 168.0  | 141.8  | 168.0  | 170.5  |
| 87.5° | 4.3    | 4.5    | 4.6    | 4.7    | 4.8    | 4.9    | 5.2    | 5.5    | 5.7    | 5.5    | 5.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: VAL-T-SB1A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  | 616.2  |
| 2.5°  | 678.7  | 677.2  | 675.7  | 673.1  | 670.5  | 668.2  | 665.8  |
| 5°    | 757.7  | 752.3  | 746.8  | 739.6  | 732.4  | 721.8  | 711.2  |
| 7.5°  | 818.2  | 811.2  | 804.2  | 793.3  | 782.3  | 769.7  | 757.0  |
| 10°   | 849.8  | 843.4  | 836.9  | 826.2  | 815.6  | 800.7  | 785.8  |
| 12.5° | 853.6  | 849.5  | 845.4  | 837.2  | 829.0  | 814.7  | 800.5  |
| 15°   | 827.1  | 829.2  | 831.2  | 827.8  | 824.3  | 816.0  | 807.6  |
| 17.5° | 780.1  | 791.5  | 802.8  | 809.1  | 815.4  | 812.4  | 809.4  |
| 20°   | 730.1  | 751.3  | 772.6  | 789.3  | 806.1  | 810.9  | 815.6  |
| 22.5° | 680.9  | 709.9  | 739.0  | 767.3  | 795.6  | 808.9  | 822.2  |
| 25°   | 642.2  | 676.3  | 710.5  | 748.6  | 786.8  | 809.7  | 832.6  |
| 27.5° | 609.1  | 646.2  | 683.3  | 730.5  | 777.8  | 812.8  | 847.7  |
| 30°   | 585.5  | 624.2  | 663.0  | 719.6  | 776.1  | 822.6  | 869.0  |
| 32.5° | 572.2  | 611.6  | 651.1  | 714.5  | 777.8  | 836.4  | 895.0  |
| 35°   | 577.0  | 613.5  | 650.2  | 720.3  | 790.5  | 864.7  | 938.9  |
| 37.5° | 626.8  | 651.7  | 676.7  | 749.0  | 821.3  | 908.0  | 994.7  |
| 40°   | 742.6  | 744.0  | 745.5  | 813.8  | 882.2  | 979.6  | 1076.9 |
| 42.5° | 942.2  | 909.1  | 876.1  | 931.3  | 986.5  | 1089.3 | 1192.2 |
| 45°   | 1205.1 | 1131.6 | 1058.0 | 1096.5 | 1135.0 | 1235.2 | 1335.4 |
| 47.5° | 1504.5 | 1382.2 | 1259.8 | 1281.7 | 1303.7 | 1388.1 | 1472.4 |
| 50°   | 1797.0 | 1634.0 | 1471.0 | 1475.2 | 1479.5 | 1555.4 | 1631.2 |
| 52.5° | 2062.1 | 1868.5 | 1674.8 | 1671.6 | 1668.2 | 1751.6 | 1834.8 |
| 55°   | 2313.3 | 2090.7 | 1868.2 | 1868.8 | 1869.3 | 1973.8 | 2078.2 |
| 57.5° | 2549.3 | 2316.7 | 2084.0 | 2107.4 | 2130.6 | 2228.5 | 2326.3 |
| 60°   | 2808.2 | 2569.2 | 2330.3 | 2367.5 | 2404.7 | 2458.6 | 2512.4 |
| 62.5° | 3138.4 | 2880.4 | 2622.5 | 2625.3 | 2628.0 | 2531.7 | 2435.4 |
| 65°   | 3317.4 | 3005.7 | 2693.9 | 2588.3 | 2482.7 | 2329.1 | 2175.5 |
| 67.5° | 3078.1 | 2726.7 | 2375.4 | 2288.9 | 2202.5 | 2067.0 | 1931.7 |
| 70°   | 2718.5 | 2420.1 | 2121.7 | 2059.9 | 1998.0 | 1848.2 | 1698.3 |
| 72.5° | 2301.0 | 2083.9 | 1866.7 | 1840.5 | 1814.3 | 1636.0 | 1457.8 |
| 75°   | 1766.1 | 1698.4 | 1630.7 | 1613.2 | 1595.7 | 1394.7 | 1193.6 |
| 77.5° | 1310.8 | 1265.6 | 1220.5 | 1181.3 | 1142.1 | 967.9  | 793.9  |
| 80°   | 816.1  | 782.3  | 748.5  | 743.4  | 738.3  | 602.1  | 465.9  |
| 82.5° | 447.0  | 426.3  | 405.6  | 394.1  | 382.6  | 307.7  | 233.0  |
| 85°   | 172.9  | 151.2  | 129.5  | 110.7  | 91.9   | 72.4   | 52.9   |
| 87.5° | 4.9    | 4.8    | 4.7    | 4.6    | 4.5    | 4.3    | 4.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

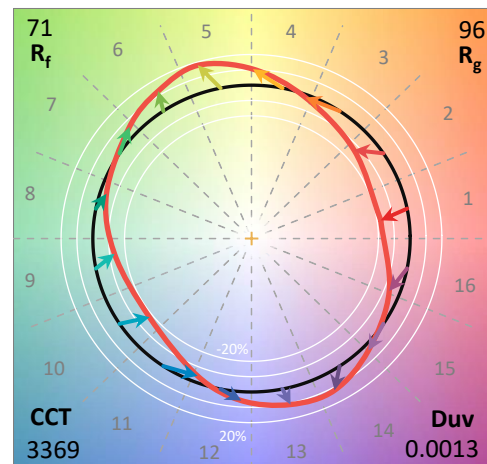
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-5  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/15/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: McGraw-Edison  
 Catalog Number: **GSS-SB1A-735-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

### Spectral Parameters

CCT (K): 3369  
 CIE  $u'$ : 0.2386  
 CIE  $v'$ : 0.5156  
 Duv: 0.0013  
 CIE x: 0.4143  
 CIE y: 0.3980  
 CIE z: 0.1877  
 Peak Wavelength (nm): 590  
 Dominant Wavelength (nm): 580  
 Purity: 43.80166  
 R<sub>f</sub>: 71.4  
 R<sub>g</sub>: 96

CRI (Ra): 70.1  
 R1: 66.6  
 R2: 77.6  
 R3: 88.5  
 R4: 69.5  
 R5: 66.4  
 R6: 69.6  
 R7: 77.5  
 R8: 44.9  
 R9: -40.2  
 R10: 49.1  
 R11: 66.3  
 R12: 45.7  
 R13: 68.0  
 R14: 93.4  
 R15: 57.6



### Test Conditions

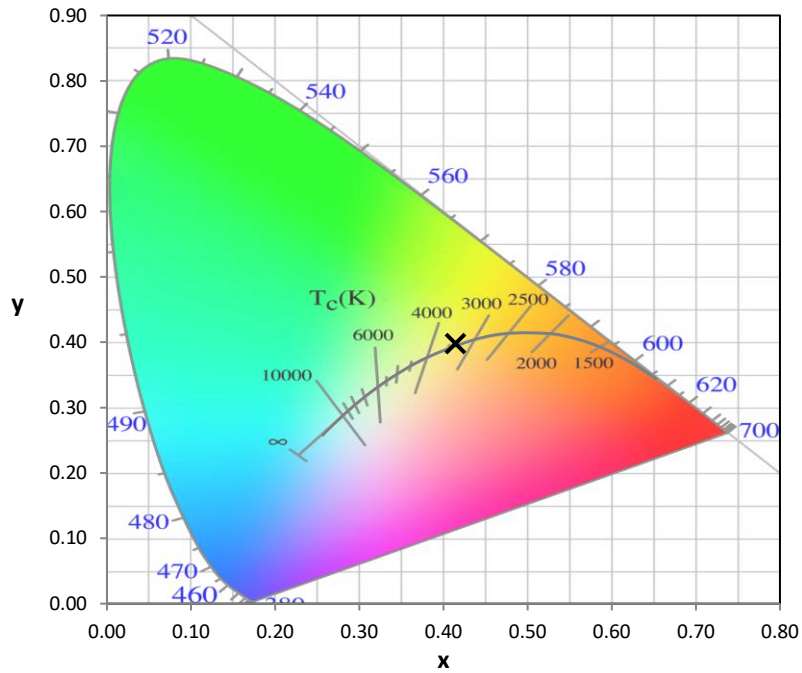
Stabilization Time: 21M  
 Operation Time: 1H 21M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

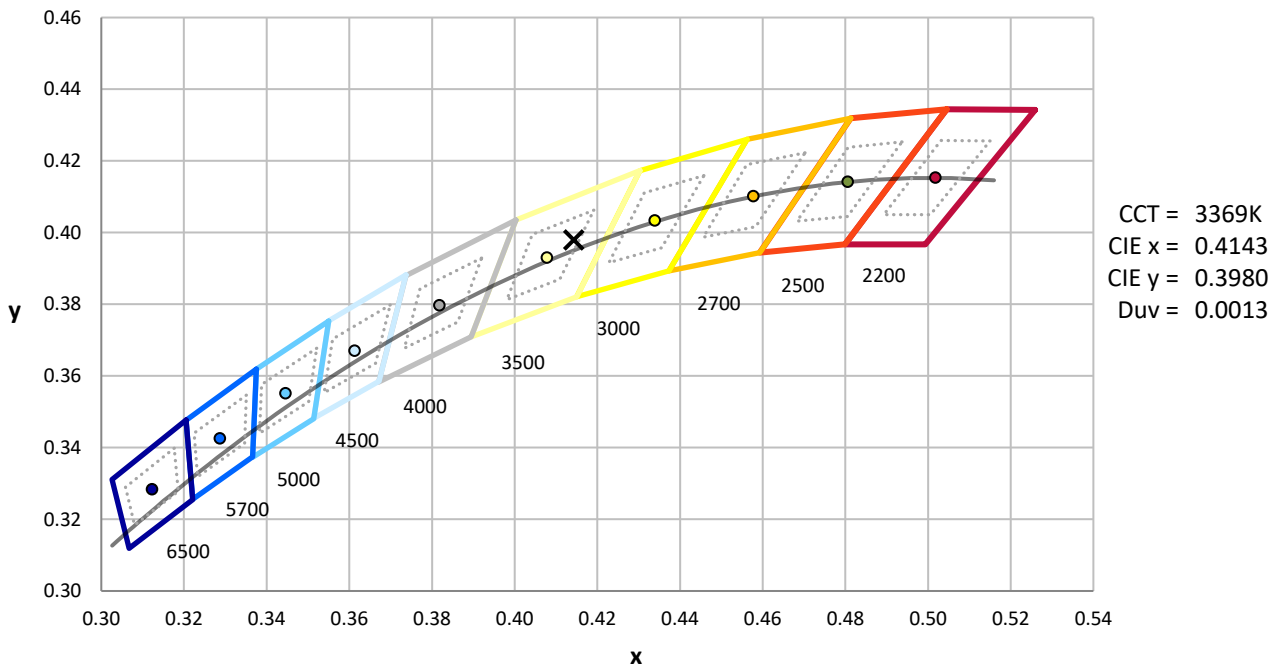
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| 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: SP1-2407-184-5

**CIE 1931 Chromaticity Diagram**



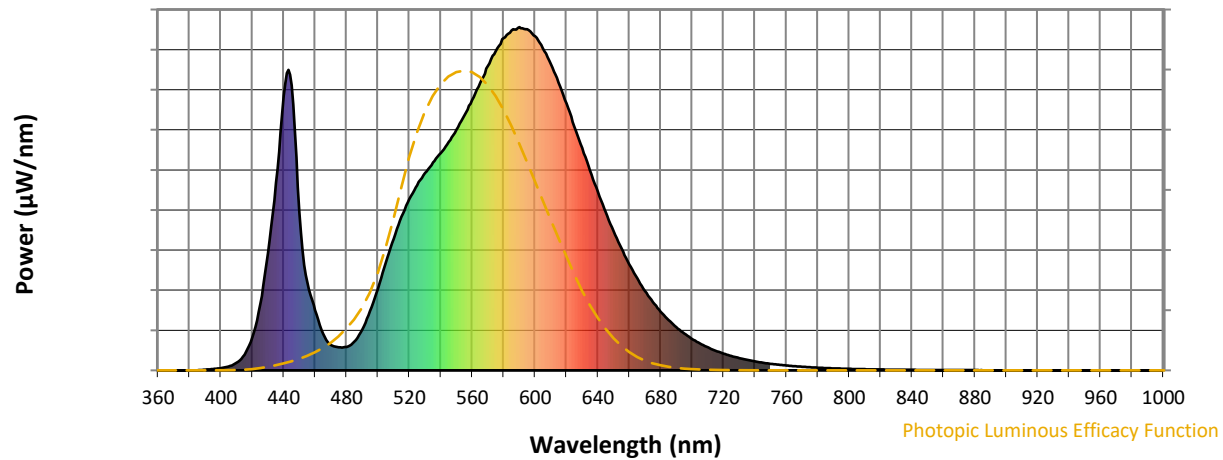
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

### Photopic Flux vs. Wavelength

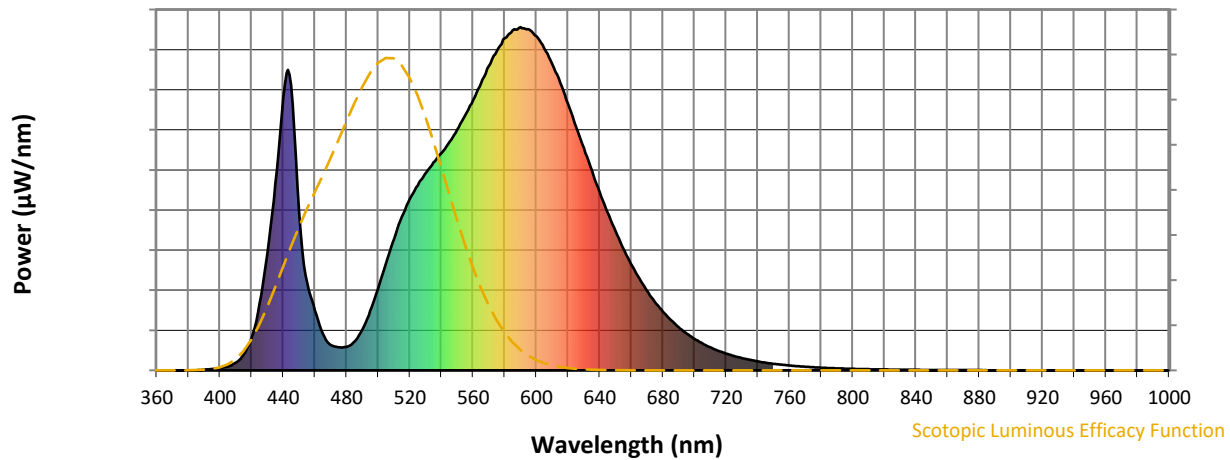


### Photopic Lumens: NR

| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 0                                    | NR                             | 490               | 119                                  | NR                             | 620               | 778                                  | NR                             | 750               | 19                                   | NR                             | 880               | 1                                    | NR                             |
| 365               | 0                                    | NR                             | 495               | 173                                  | NR                             | 625               | 711                                  | NR                             | 755               | 16                                   | NR                             | 885               | 0                                    | NR                             |
| 370               | 0                                    | NR                             | 500               | 239                                  | NR                             | 630               | 648                                  | NR                             | 760               | 14                                   | NR                             | 890               | 0                                    | NR                             |
| 375               | 0                                    | NR                             | 505               | 313                                  | NR                             | 635               | 582                                  | NR                             | 765               | 12                                   | NR                             | 895               | 0                                    | NR                             |
| 380               | 0                                    | NR                             | 510               | 383                                  | NR                             | 640               | 520                                  | NR                             | 770               | 11                                   | NR                             | 900               | 0                                    | NR                             |
| 385               | 0                                    | NR                             | 515               | 448                                  | NR                             | 645               | 460                                  | NR                             | 775               | 9                                    | NR                             | 905               | 0                                    | NR                             |
| 390               | 2                                    | NR                             | 520               | 500                                  | NR                             | 650               | 406                                  | NR                             | 780               | 8                                    | NR                             | 910               | 0                                    | NR                             |
| 395               | 4                                    | NR                             | 525               | 539                                  | NR                             | 655               | 355                                  | NR                             | 785               | 7                                    | NR                             | 915               | 0                                    | NR                             |
| 400               | 6                                    | NR                             | 530               | 575                                  | NR                             | 660               | 309                                  | NR                             | 790               | 6                                    | NR                             | 920               | 0                                    | NR                             |
| 405               | 11                                   | NR                             | 535               | 606                                  | NR                             | 665               | 269                                  | NR                             | 795               | 5                                    | NR                             | 925               | 0                                    | NR                             |
| 410               | 22                                   | NR                             | 540               | 633                                  | NR                             | 670               | 231                                  | NR                             | 800               | 4                                    | NR                             | 930               | 0                                    | NR                             |
| 415               | 45                                   | NR                             | 545               | 666                                  | NR                             | 675               | 199                                  | NR                             | 805               | 4                                    | NR                             | 935               | 0                                    | NR                             |
| 420               | 96                                   | NR                             | 550               | 701                                  | NR                             | 680               | 171                                  | NR                             | 810               | 3                                    | NR                             | 940               | 0                                    | NR                             |
| 425               | 193                                  | NR                             | 555               | 743                                  | NR                             | 685               | 147                                  | NR                             | 815               | 3                                    | NR                             | 945               | 0                                    | NR                             |
| 430               | 341                                  | NR                             | 560               | 788                                  | NR                             | 690               | 126                                  | NR                             | 820               | 3                                    | NR                             | 950               | 0                                    | NR                             |
| 435               | 547                                  | NR                             | 565               | 837                                  | NR                             | 695               | 107                                  | NR                             | 825               | 2                                    | NR                             | 955               | 0                                    | NR                             |
| 440               | 799                                  | NR                             | 570               | 887                                  | NR                             | 700               | 92                                   | NR                             | 830               | 2                                    | NR                             | 960               | 0                                    | NR                             |
| 445               | 831                                  | NR                             | 575               | 931                                  | NR                             | 705               | 78                                   | NR                             | 835               | 2                                    | NR                             | 965               | 0                                    | NR                             |
| 450               | 461                                  | NR                             | 580               | 967                                  | NR                             | 710               | 67                                   | NR                             | 840               | 2                                    | NR                             | 970               | 0                                    | NR                             |
| 455               | 256                                  | NR                             | 585               | 990                                  | NR                             | 715               | 57                                   | NR                             | 845               | 1                                    | NR                             | 975               | 0                                    | NR                             |
| 460               | 176                                  | NR                             | 590               | 1000                                 | NR                             | 720               | 49                                   | NR                             | 850               | 1                                    | NR                             | 980               | 0                                    | NR                             |
| 465               | 107                                  | NR                             | 595               | 994                                  | NR                             | 725               | 42                                   | NR                             | 855               | 1                                    | NR                             | 985               | 0                                    | NR                             |
| 470               | 74                                   | NR                             | 600               | 973                                  | NR                             | 730               | 36                                   | NR                             | 860               | 1                                    | NR                             | 990               | 0                                    | NR                             |
| 475               | 67                                   | NR                             | 605               | 938                                  | NR                             | 735               | 31                                   | NR                             | 865               | 1                                    | NR                             | 995               | 0                                    | NR                             |
| 480               | 68                                   | NR                             | 610               | 892                                  | NR                             | 740               | 26                                   | NR                             | 870               | 1                                    | NR                             | 1000              | 0                                    | NR                             |
| 485               | 84                                   | NR                             | 615               | 838                                  | NR                             | 745               | 22                                   | NR                             | 875               | 1                                    | NR                             |                   |                                      |                                |

REPORT NUMBER: SP1-2407-184-5

### Scotopic Flux vs. Wavelength



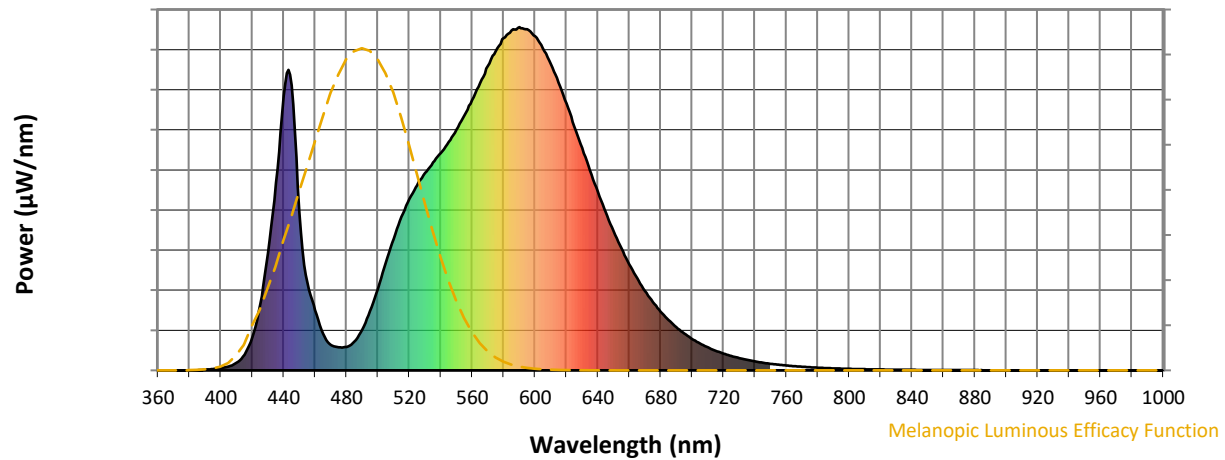
Scotopic Lumens: NR

S/P: 1.29

| λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) |
|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|
| 360       | 0                           | NR               | 490       | 119                         | NR               | 620       | 778                         | NR               | 750       | 19                          | NR               | 880       | 1                           | NR               |
| 365       | 0                           | NR               | 495       | 173                         | NR               | 625       | 711                         | NR               | 755       | 16                          | NR               | 885       | 0                           | NR               |
| 370       | 0                           | NR               | 500       | 239                         | NR               | 630       | 648                         | NR               | 760       | 14                          | NR               | 890       | 0                           | NR               |
| 375       | 0                           | NR               | 505       | 313                         | NR               | 635       | 582                         | NR               | 765       | 12                          | NR               | 895       | 0                           | NR               |
| 380       | 0                           | NR               | 510       | 383                         | NR               | 640       | 520                         | NR               | 770       | 11                          | NR               | 900       | 0                           | NR               |
| 385       | 0                           | NR               | 515       | 448                         | NR               | 645       | 460                         | NR               | 775       | 9                           | NR               | 905       | 0                           | NR               |
| 390       | 2                           | NR               | 520       | 500                         | NR               | 650       | 406                         | NR               | 780       | 8                           | NR               | 910       | 0                           | NR               |
| 395       | 4                           | NR               | 525       | 539                         | NR               | 655       | 355                         | NR               | 785       | 7                           | NR               | 915       | 0                           | NR               |
| 400       | 6                           | NR               | 530       | 575                         | NR               | 660       | 309                         | NR               | 790       | 6                           | NR               | 920       | 0                           | NR               |
| 405       | 11                          | NR               | 535       | 606                         | NR               | 665       | 269                         | NR               | 795       | 5                           | NR               | 925       | 0                           | NR               |
| 410       | 22                          | NR               | 540       | 633                         | NR               | 670       | 231                         | NR               | 800       | 4                           | NR               | 930       | 0                           | NR               |
| 415       | 45                          | NR               | 545       | 666                         | NR               | 675       | 199                         | NR               | 805       | 4                           | NR               | 935       | 0                           | NR               |
| 420       | 96                          | NR               | 550       | 701                         | NR               | 680       | 171                         | NR               | 810       | 3                           | NR               | 940       | 0                           | NR               |
| 425       | 193                         | NR               | 555       | 743                         | NR               | 685       | 147                         | NR               | 815       | 3                           | NR               | 945       | 0                           | NR               |
| 430       | 341                         | NR               | 560       | 788                         | NR               | 690       | 126                         | NR               | 820       | 3                           | NR               | 950       | 0                           | NR               |
| 435       | 547                         | NR               | 565       | 837                         | NR               | 695       | 107                         | NR               | 825       | 2                           | NR               | 955       | 0                           | NR               |
| 440       | 799                         | NR               | 570       | 887                         | NR               | 700       | 92                          | NR               | 830       | 2                           | NR               | 960       | 0                           | NR               |
| 445       | 831                         | NR               | 575       | 931                         | NR               | 705       | 78                          | NR               | 835       | 2                           | NR               | 965       | 0                           | NR               |
| 450       | 461                         | NR               | 580       | 967                         | NR               | 710       | 67                          | NR               | 840       | 2                           | NR               | 970       | 0                           | NR               |
| 455       | 256                         | NR               | 585       | 990                         | NR               | 715       | 57                          | NR               | 845       | 1                           | NR               | 975       | 0                           | NR               |
| 460       | 176                         | NR               | 590       | 1000                        | NR               | 720       | 49                          | NR               | 850       | 1                           | NR               | 980       | 0                           | NR               |
| 465       | 107                         | NR               | 595       | 994                         | NR               | 725       | 42                          | NR               | 855       | 1                           | NR               | 985       | 0                           | NR               |
| 470       | 74                          | NR               | 600       | 973                         | NR               | 730       | 36                          | NR               | 860       | 1                           | NR               | 990       | 0                           | NR               |
| 475       | 67                          | NR               | 605       | 938                         | NR               | 735       | 31                          | NR               | 865       | 1                           | NR               | 995       | 0                           | NR               |
| 480       | 68                          | NR               | 610       | 892                         | NR               | 740       | 26                          | NR               | 870       | 1                           | NR               | 1000      | 0                           | NR               |
| 485       | 84                          | NR               | 615       | 838                         | NR               | 745       | 22                          | NR               | 875       | 1                           | NR               |           |                             |                  |

REPORT NUMBER: SP1-2407-184-5

### Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

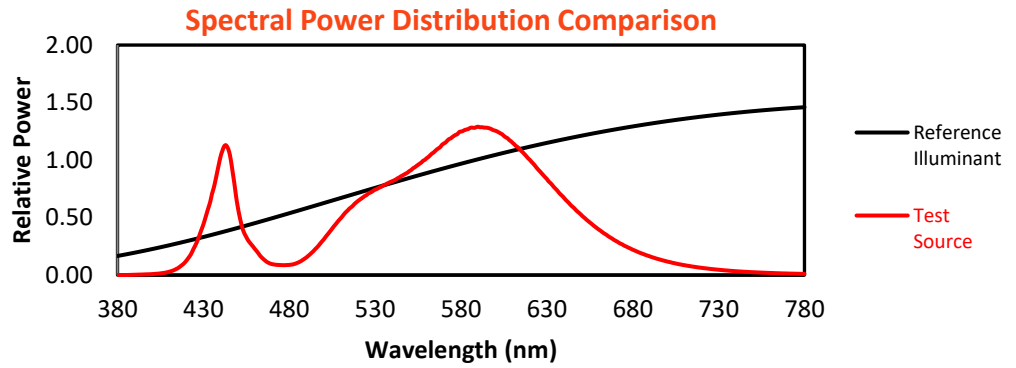
| λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) |
|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|
| 360       | 0                           | NR               | 490       | 119                         | NR               | 620       | 778                         | NR               | 750       | 19                          | NR               | 880       | 1                           | NR               |
| 365       | 0                           | NR               | 495       | 173                         | NR               | 625       | 711                         | NR               | 755       | 16                          | NR               | 885       | 0                           | NR               |
| 370       | 0                           | NR               | 500       | 239                         | NR               | 630       | 648                         | NR               | 760       | 14                          | NR               | 890       | 0                           | NR               |
| 375       | 0                           | NR               | 505       | 313                         | NR               | 635       | 582                         | NR               | 765       | 12                          | NR               | 895       | 0                           | NR               |
| 380       | 0                           | NR               | 510       | 383                         | NR               | 640       | 520                         | NR               | 770       | 11                          | NR               | 900       | 0                           | NR               |
| 385       | 0                           | NR               | 515       | 448                         | NR               | 645       | 460                         | NR               | 775       | 9                           | NR               | 905       | 0                           | NR               |
| 390       | 2                           | NR               | 520       | 500                         | NR               | 650       | 406                         | NR               | 780       | 8                           | NR               | 910       | 0                           | NR               |
| 395       | 4                           | NR               | 525       | 539                         | NR               | 655       | 355                         | NR               | 785       | 7                           | NR               | 915       | 0                           | NR               |
| 400       | 6                           | NR               | 530       | 575                         | NR               | 660       | 309                         | NR               | 790       | 6                           | NR               | 920       | 0                           | NR               |
| 405       | 11                          | NR               | 535       | 606                         | NR               | 665       | 269                         | NR               | 795       | 5                           | NR               | 925       | 0                           | NR               |
| 410       | 22                          | NR               | 540       | 633                         | NR               | 670       | 231                         | NR               | 800       | 4                           | NR               | 930       | 0                           | NR               |
| 415       | 45                          | NR               | 545       | 666                         | NR               | 675       | 199                         | NR               | 805       | 4                           | NR               | 935       | 0                           | NR               |
| 420       | 96                          | NR               | 550       | 701                         | NR               | 680       | 171                         | NR               | 810       | 3                           | NR               | 940       | 0                           | NR               |
| 425       | 193                         | NR               | 555       | 743                         | NR               | 685       | 147                         | NR               | 815       | 3                           | NR               | 945       | 0                           | NR               |
| 430       | 341                         | NR               | 560       | 788                         | NR               | 690       | 126                         | NR               | 820       | 3                           | NR               | 950       | 0                           | NR               |
| 435       | 547                         | NR               | 565       | 837                         | NR               | 695       | 107                         | NR               | 825       | 2                           | NR               | 955       | 0                           | NR               |
| 440       | 799                         | NR               | 570       | 887                         | NR               | 700       | 92                          | NR               | 830       | 2                           | NR               | 960       | 0                           | NR               |
| 445       | 831                         | NR               | 575       | 931                         | NR               | 705       | 78                          | NR               | 835       | 2                           | NR               | 965       | 0                           | NR               |
| 450       | 461                         | NR               | 580       | 967                         | NR               | 710       | 67                          | NR               | 840       | 2                           | NR               | 970       | 0                           | NR               |
| 455       | 256                         | NR               | 585       | 990                         | NR               | 715       | 57                          | NR               | 845       | 1                           | NR               | 975       | 0                           | NR               |
| 460       | 176                         | NR               | 590       | 1000                        | NR               | 720       | 49                          | NR               | 850       | 1                           | NR               | 980       | 0                           | NR               |
| 465       | 107                         | NR               | 595       | 994                         | NR               | 725       | 42                          | NR               | 855       | 1                           | NR               | 985       | 0                           | NR               |
| 470       | 74                          | NR               | 600       | 973                         | NR               | 730       | 36                          | NR               | 860       | 1                           | NR               | 990       | 0                           | NR               |
| 475       | 67                          | NR               | 605       | 938                         | NR               | 735       | 31                          | NR               | 865       | 1                           | NR               | 995       | 0                           | NR               |
| 480       | 68                          | NR               | 610       | 892                         | NR               | 740       | 26                          | NR               | 870       | 1                           | NR               | 1000      | 0                           | NR               |
| 485       | 84                          | NR               | 615       | 838                         | NR               | 745       | 22                          | NR               | 875       | 1                           | NR               |           |                             |                  |

REPORT NUMBER: SP1-2407-184-5

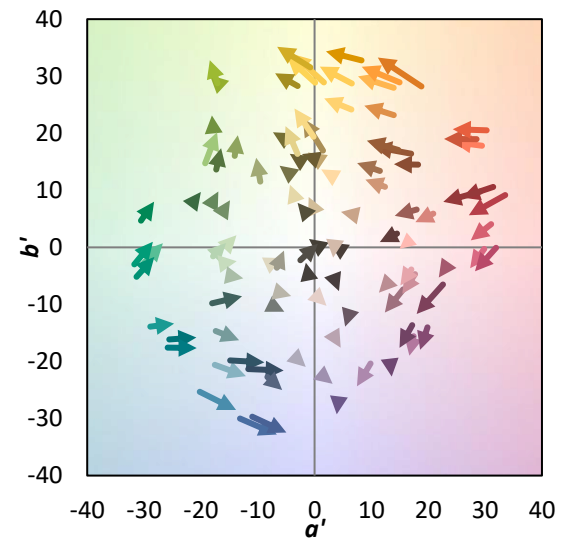
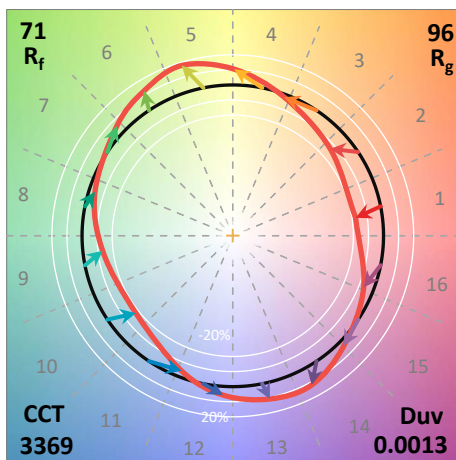
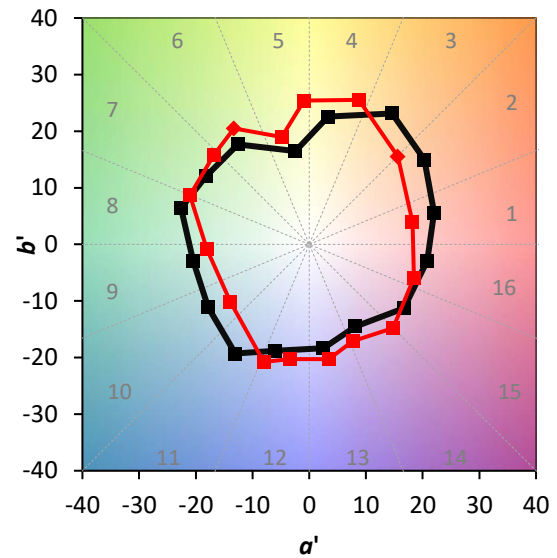
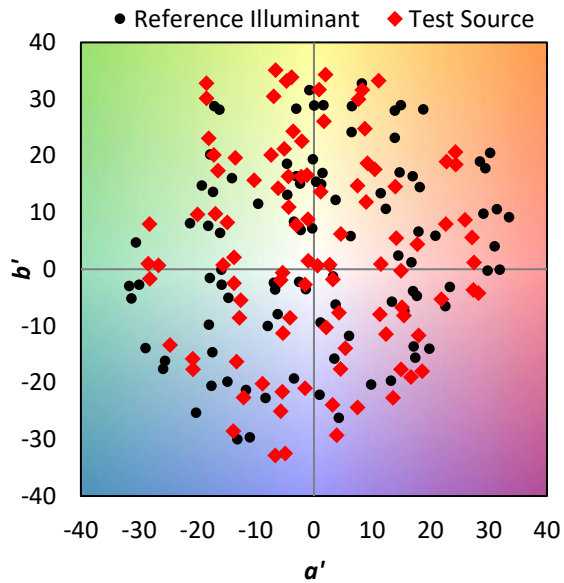
TM-30-18

### Summary

$R_f = 71.4$   
 $R_g = 96$   
 $CIE R_a = 70.1$   
 $R_g = -40.2$

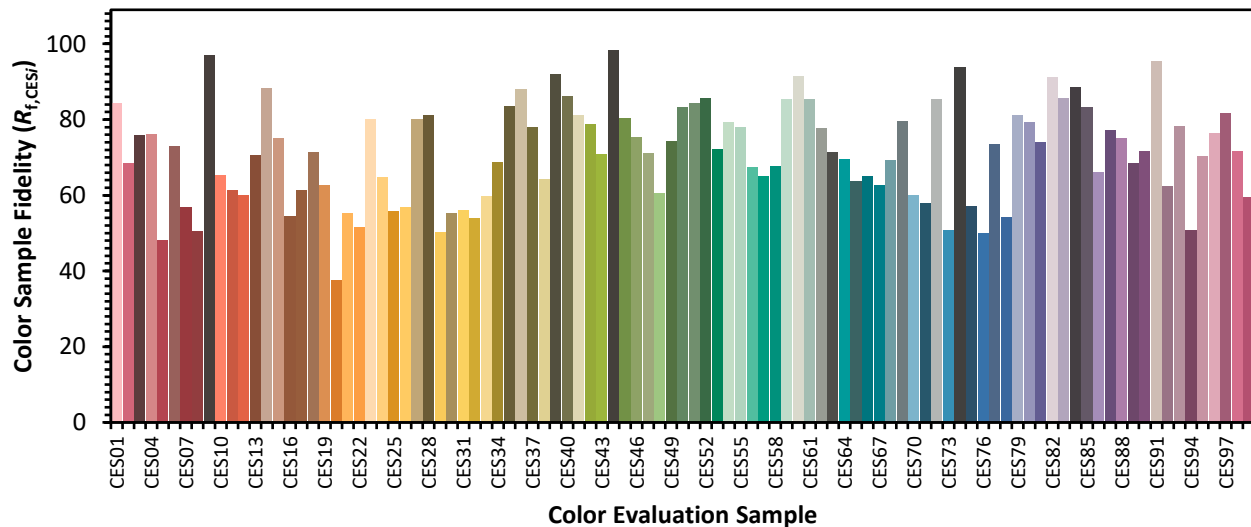


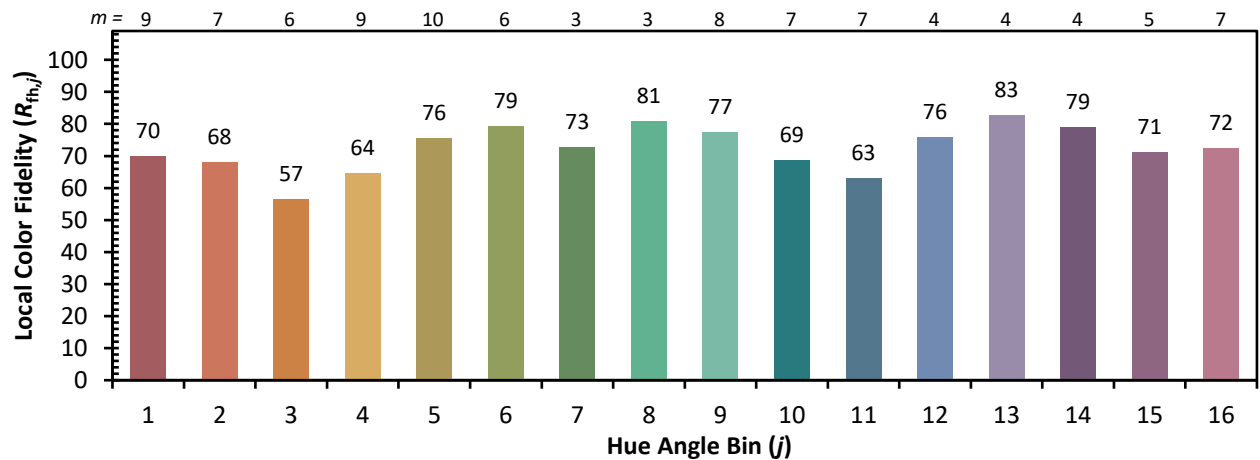
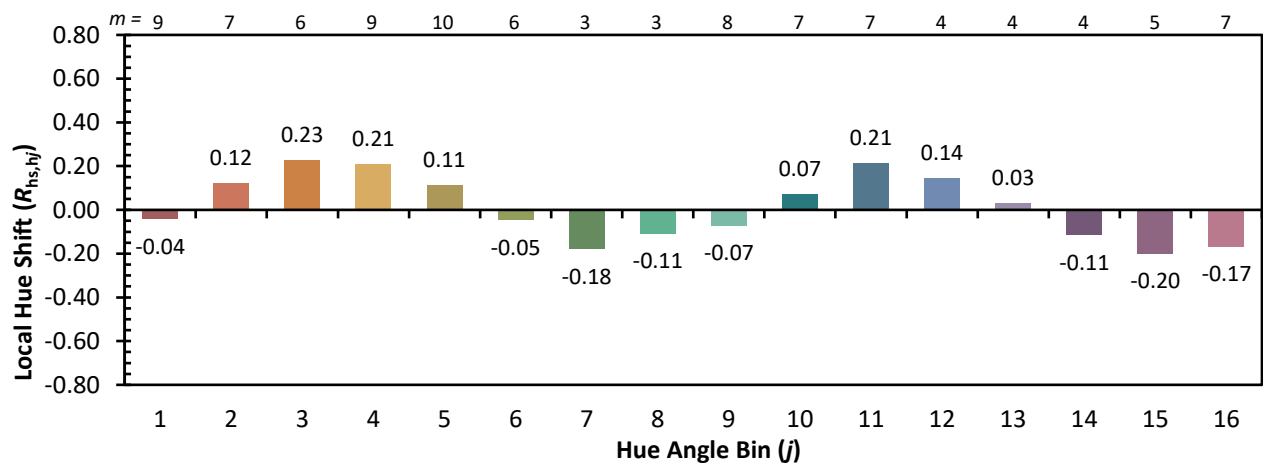
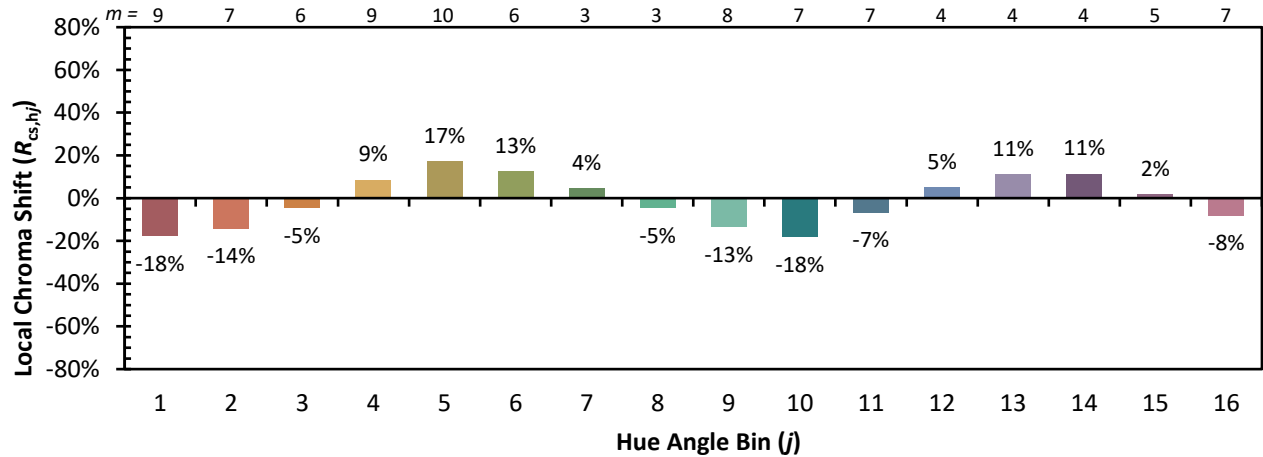
### Color Vector Graphics



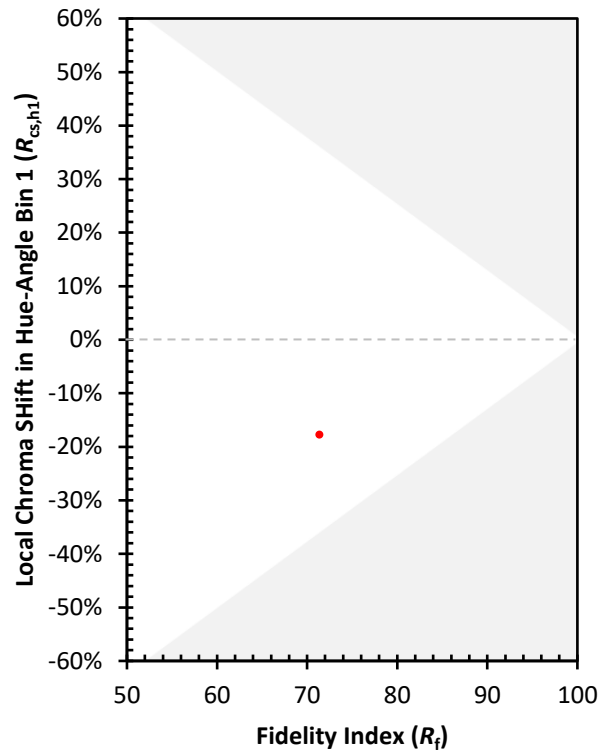
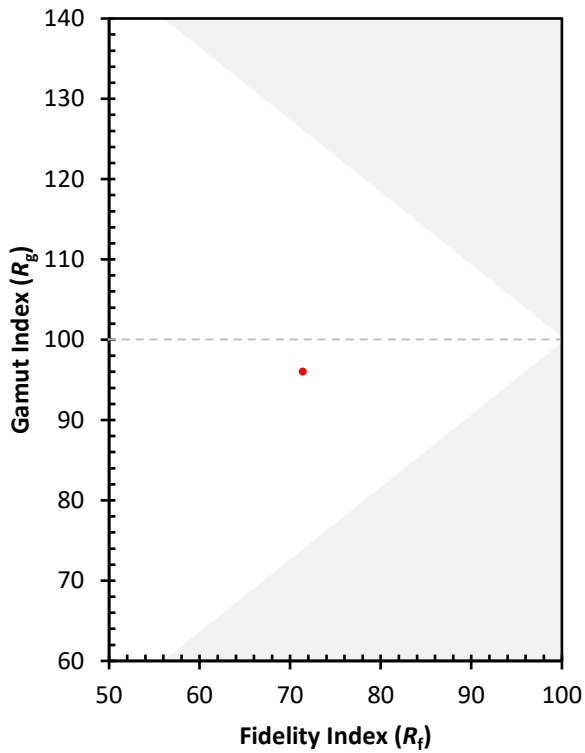
**Individual Sample Fidelity Index ( $R_{f,i}$ )**

|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 57 | CES51 = 84 | CES76 = 50 |
| CES02 = 62 | CES27 = 80 | CES52 = 86 | CES77 = 74 |
| CES03 = 31 | CES28 = 81 | CES53 = 72 | CES78 = 54 |
| CES04 = 70 | CES29 = 50 | CES54 = 79 | CES79 = 81 |
| CES05 = 48 | CES30 = 55 | CES55 = 78 | CES80 = 79 |
| CES06 = 51 | CES31 = 56 | CES56 = 67 | CES81 = 74 |
| CES07 = 40 | CES32 = 54 | CES57 = 65 | CES82 = 91 |
| CES08 = 39 | CES33 = 60 | CES58 = 68 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 85 | CES84 = 89 |
| CES10 = 75 | CES35 = 83 | CES60 = 91 | CES85 = 83 |
| CES11 = 58 | CES36 = 88 | CES61 = 85 | CES86 = 66 |
| CES12 = 64 | CES37 = 78 | CES62 = 78 | CES87 = 77 |
| CES13 = 43 | CES38 = 64 | CES63 = 71 | CES88 = 75 |
| CES14 = 74 | CES39 = 92 | CES64 = 70 | CES89 = 68 |
| CES15 = 71 | CES40 = 86 | CES65 = 64 | CES90 = 72 |
| CES16 = 47 | CES41 = 81 | CES66 = 65 | CES91 = 95 |
| CES17 = 50 | CES42 = 79 | CES67 = 63 | CES92 = 62 |
| CES18 = 56 | CES43 = 71 | CES68 = 69 | CES93 = 78 |
| CES19 = 72 | CES44 = 98 | CES69 = 80 | CES94 = 51 |
| CES20 = 65 | CES45 = 80 | CES70 = 60 | CES95 = 70 |
| CES21 = 87 | CES46 = 75 | CES71 = 58 | CES96 = 76 |
| CES22 = 79 | CES47 = 71 | CES72 = 85 | CES97 = 82 |
| CES23 = 92 | CES48 = 61 | CES73 = 51 | CES98 = 72 |
| CES24 = 91 | CES49 = 74 | CES74 = 94 | CES99 = 60 |
| CES25 = 72 | CES50 = 83 | CES75 = 57 |            |



**Color Rendition by Hue-Angle Bin**


**Measure Comparisons**



(END OF REPORT)