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: P1364553

Luminaire Tested: **GSS-SB1C-727-U-SLR-HSS**

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: | P1364553 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1C-727-U-SLR-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD |
| Light Source: | (26) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 4745 lumens |
| Efficiency: | N/A |
| Efficacy: | 91.2 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B1 - U0 - G1 |

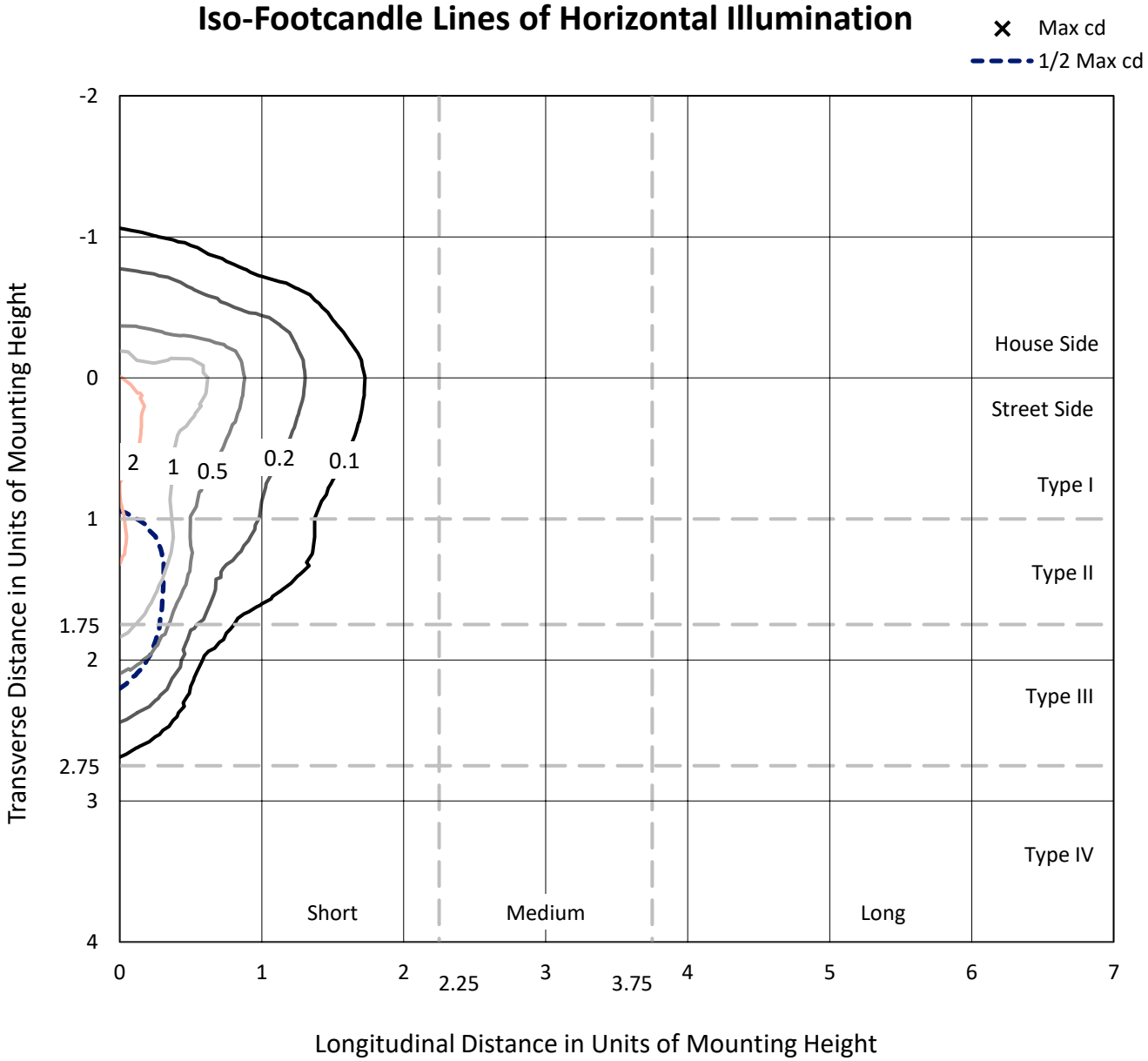
| | |
|---|---|
| Input Watts (W): | 52 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



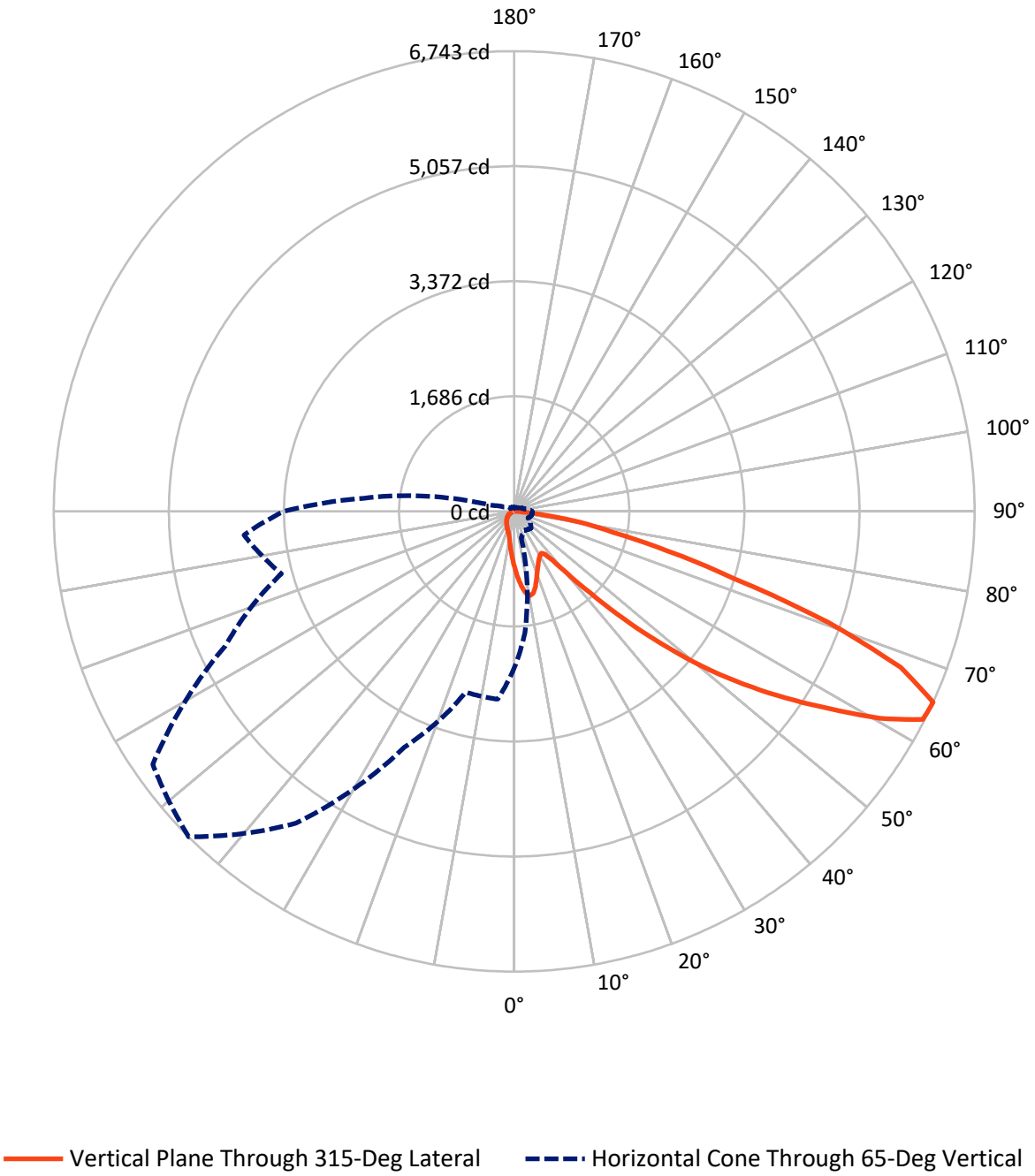

Based on 20 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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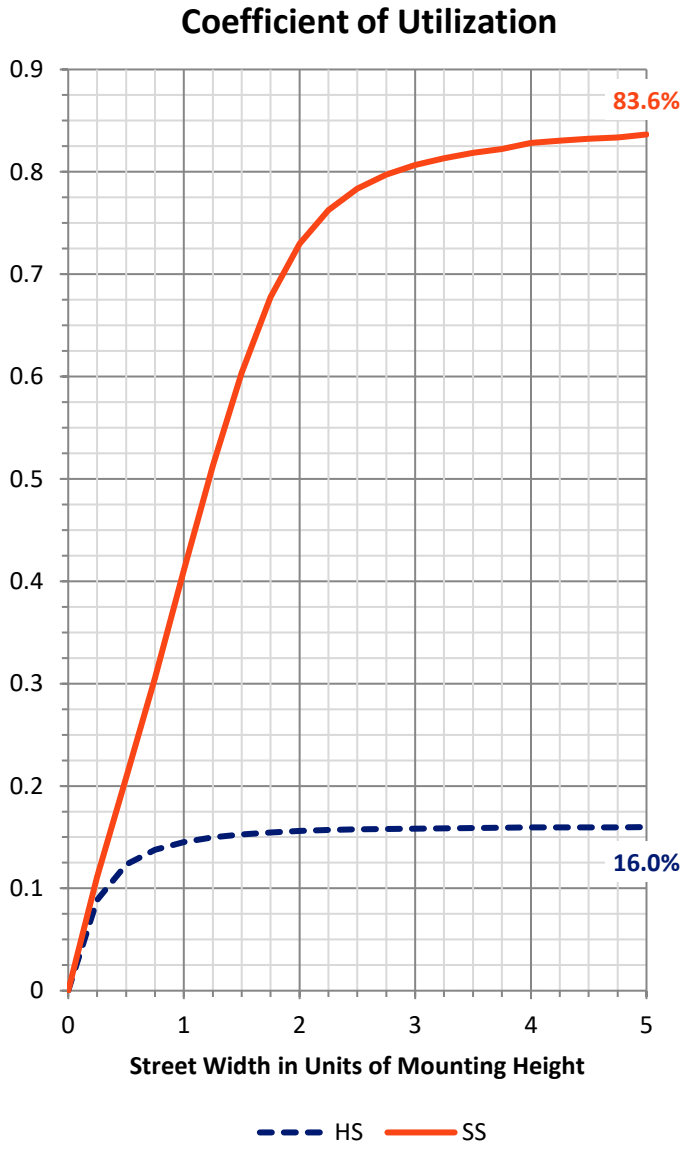
REPORT NUMBER: P1364553
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 767.0 | 0.0 | 767.0 |
| | % Fixture | 16.2 | 0.0 | 16.2 |
| **Street Side** | Lumens | 3977.9 | 0.0 | 3977.9 |
| | % Fixture | 83.8 | 0.0 | 83.8 |
| **Total** | Lumens | 4745.0 | 0.0 | 4745.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 78.8 | 1.7 |
| 10°-20° | 218.0 | 4.6 |
| 20°-30° | 312.3 | 6.6 |
| 30°-40° | 391.7 | 8.3 |
| 40°-50° | 643.4 | 13.6 |
| 50°-60° | 1161.1 | 24.5 |
| 60°-70° | 1288.6 | 27.2 |
| 70°-80° | 582.2 | 12.3 |
| 80°-90° | 68.8 | 1.5 |
| 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° | 4745.0 | 100.0 |
| 0°-180° | 4745.0 | 100.0 |



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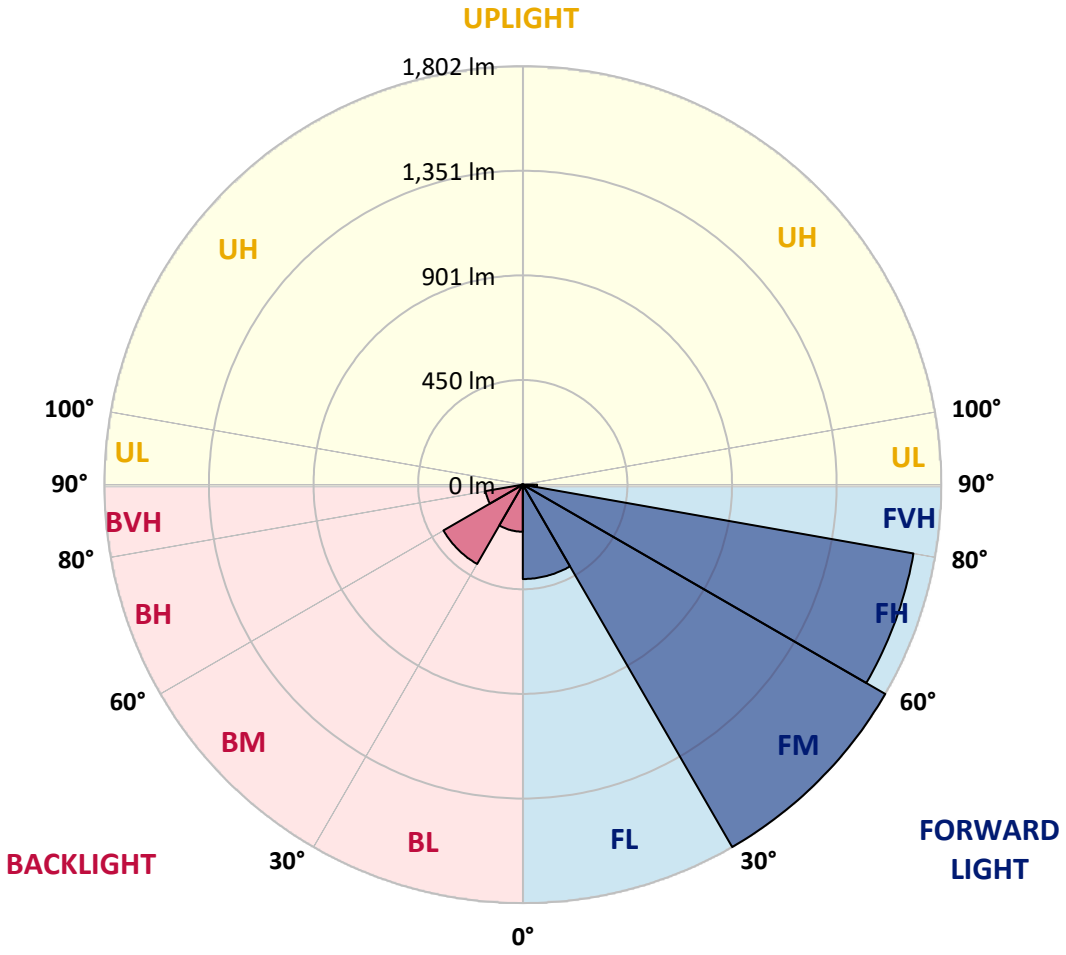
Scaled Data Report

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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°) | 406.4 | 8.6 | | | |
| FM | (30°-60°) | 1801.8 | 38.0 | | | |
| FH | (60°-80°) | 1707.9 | 36.0 | | | G1/1800 |
| FVH | (80°-90°) | 61.8 | 1.3 | | | G1/100 |
| BL | (0°-30°) | 202.7 | 4.3 | B1/500 | | |
| BM | (30°-60°) | 394.4 | 8.3 | B1/1000 | | |
| BH | (60°-80°) | 162.9 | 3.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 7.0 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 |
| 2.5° | 925.2 | 924.3 | 920.8 | 899.0 | 877.1 | 858.2 | 839.2 | 820.3 | 794.1 | 773.7 | 756.2 |
| 5° | 1012.6 | 1008.0 | 989.3 | 955.8 | 919.4 | 887.3 | 850.9 | 815.9 | 776.6 | 744.5 | 711.0 |
| 7.5° | 1072.4 | 1067.7 | 1049.1 | 993.7 | 938.3 | 899.0 | 859.6 | 823.2 | 779.5 | 737.3 | 689.2 |
| 10° | 1100.1 | 1094.8 | 1073.8 | 1014.1 | 950.0 | 901.9 | 862.6 | 829.0 | 792.6 | 750.4 | 690.6 |
| 12.5° | 1119.0 | 1112.6 | 1086.9 | 1018.5 | 952.9 | 904.8 | 864.0 | 832.0 | 805.7 | 781.0 | 722.7 |
| 15° | 1130.6 | 1124.8 | 1101.5 | 1030.1 | 954.3 | 900.4 | 852.4 | 821.8 | 813.0 | 817.4 | 789.7 |
| 17.5° | 1148.1 | 1142.6 | 1120.5 | 1044.7 | 963.1 | 893.2 | 827.6 | 794.1 | 813.0 | 852.4 | 861.1 |
| 20° | 1171.4 | 1165.6 | 1142.3 | 1063.6 | 970.4 | 871.3 | 781.0 | 748.9 | 797.0 | 862.6 | 907.7 |
| 22.5° | 1197.7 | 1193.0 | 1174.4 | 1085.5 | 977.7 | 839.2 | 719.8 | 705.2 | 763.5 | 833.4 | 891.7 |
| 25° | 1229.7 | 1225.4 | 1207.9 | 1116.1 | 984.9 | 795.5 | 667.3 | 670.2 | 719.8 | 775.1 | 834.9 |
| 27.5° | 1273.4 | 1269.4 | 1253.0 | 1154.0 | 993.7 | 750.4 | 625.1 | 639.6 | 676.1 | 713.9 | 750.4 |
| 30° | 1321.5 | 1318.3 | 1305.5 | 1199.1 | 1011.2 | 708.1 | 600.3 | 609.0 | 633.8 | 664.4 | 686.3 |
| 32.5° | 1387.1 | 1381.8 | 1360.9 | 1241.4 | 1009.7 | 676.1 | 588.6 | 579.9 | 587.2 | 611.9 | 633.8 |
| 35° | 1468.7 | 1464.6 | 1448.3 | 1285.1 | 983.5 | 646.9 | 582.8 | 552.2 | 547.8 | 562.4 | 584.3 |
| 37.5° | 1588.2 | 1584.7 | 1570.7 | 1356.5 | 942.7 | 610.5 | 568.2 | 523.1 | 508.5 | 518.7 | 533.3 |
| 40° | 1767.4 | 1758.3 | 1722.2 | 1438.1 | 897.5 | 574.1 | 542.0 | 488.1 | 467.7 | 475.0 | 491.0 |
| 42.5° | 2010.7 | 1993.5 | 1924.7 | 1547.4 | 836.3 | 539.1 | 502.7 | 453.1 | 431.3 | 435.6 | 450.2 |
| 45° | 2322.5 | 2296.6 | 2192.8 | 1697.4 | 772.2 | 511.4 | 461.9 | 416.7 | 393.4 | 397.8 | 413.8 |
| 47.5° | 2686.7 | 2651.2 | 2509.0 | 1854.8 | 703.7 | 495.4 | 429.8 | 380.3 | 362.8 | 373.0 | 389.0 |
| 50° | 3116.6 | 3080.7 | 2937.4 | 1955.3 | 648.4 | 485.2 | 405.1 | 346.8 | 339.5 | 352.6 | 365.7 |
| 52.5° | 3585.7 | 3534.7 | 3330.8 | 1891.2 | 603.2 | 476.4 | 396.3 | 323.5 | 326.4 | 336.6 | 349.7 |
| 55° | 4041.8 | 3928.4 | 3475.0 | 1678.5 | 544.9 | 466.2 | 402.1 | 306.0 | 313.3 | 326.4 | 336.6 |
| 57.5° | 4339.0 | 4142.0 | 3354.1 | 1352.1 | 483.7 | 454.6 | 406.5 | 297.2 | 303.1 | 317.6 | 329.3 |
| 60° | 4079.7 | 3881.5 | 3088.9 | 1012.6 | 431.3 | 429.8 | 399.2 | 294.3 | 285.6 | 306.0 | 316.2 |
| 62.5° | 3342.4 | 3179.2 | 2526.5 | 646.9 | 381.7 | 383.2 | 383.2 | 292.9 | 256.4 | 282.7 | 291.4 |
| 65° | *2296.3* | *2194.3* | *1786.3* | *400.7* | *311.8* | *326.4* | *348.2* | *284.1* | *225.8* | *256.4* | *265.2* |
| 67.5° | 1509.5 | 1434.6 | 1135.0 | 247.7 | 240.4 | 268.1 | 301.6 | 266.6 | 202.5 | 230.2 | 236.0 |
| 70° | 818.8 | 762.0 | 534.7 | 163.2 | 157.4 | 209.8 | 237.5 | 225.8 | 182.1 | 205.4 | 211.3 |
| 72.5° | 540.6 | 493.9 | 307.4 | 115.1 | 115.1 | 164.6 | 166.1 | 185.0 | 163.2 | 182.1 | 188.0 |
| 75° | 406.5 | 364.8 | 198.2 | 80.1 | 88.9 | 104.9 | 129.7 | 132.6 | 137.0 | 154.4 | 161.7 |
| 77.5° | 186.5 | 163.8 | 72.9 | 48.1 | 65.6 | 72.9 | 99.1 | 84.5 | 102.0 | 115.1 | 118.0 |
| 80° | 107.8 | 94.4 | 40.8 | 32.1 | 42.3 | 46.6 | 81.6 | 49.5 | 61.2 | 81.6 | 86.0 |
| 82.5° | 45.2 | 40.2 | 20.4 | 21.9 | 26.2 | 27.7 | 45.2 | 35.0 | 39.3 | 53.9 | 52.5 |
| 85° | 13.1 | 13.1 | 13.1 | 14.6 | 16.0 | 16.0 | 26.2 | 24.8 | 23.3 | 24.8 | 24.8 |
| 87.5° | 8.7 | 8.7 | 8.7 | 8.7 | 10.2 | 10.2 | 11.7 | 13.1 | 14.6 | 14.6 | 14.6 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 |
| 2.5° | 748.9 | 738.7 | 725.6 | 706.7 | 703.7 | 693.5 | 686.3 | 693.5 | 700.8 | 713.9 | 715.4 |
| 5° | 693.5 | 677.5 | 646.9 | 623.6 | 597.4 | 584.3 | 582.8 | 579.9 | 588.6 | 607.6 | 619.2 |
| 7.5° | 662.9 | 636.7 | 581.4 | 540.6 | 504.1 | 491.0 | 480.8 | 489.6 | 488.1 | 512.9 | 523.1 |
| 10° | 655.7 | 614.9 | 537.6 | 476.4 | 431.3 | 413.8 | 403.6 | 402.1 | 405.1 | 419.6 | 429.8 |
| 12.5° | 681.9 | 629.4 | 520.2 | 429.8 | 377.4 | 358.4 | 346.8 | 336.6 | 336.6 | 339.5 | 352.6 |
| 15° | 740.2 | 677.5 | 530.4 | 408.0 | 351.1 | 326.4 | 307.4 | 294.3 | 284.1 | 285.6 | 287.0 |
| 17.5° | 821.8 | 747.5 | 556.6 | 400.7 | 335.1 | 308.9 | 285.6 | 272.5 | 260.8 | 257.9 | 257.9 |
| 20° | 885.9 | 814.5 | 577.0 | 394.9 | 322.0 | 288.5 | 268.1 | 256.4 | 246.2 | 241.9 | 241.9 |
| 22.5° | 893.2 | 842.2 | 594.5 | 387.6 | 306.0 | 268.1 | 249.2 | 239.0 | 231.7 | 230.2 | 230.2 |
| 25° | 845.1 | 820.3 | 588.6 | 378.8 | 289.9 | 249.2 | 234.6 | 225.8 | 218.6 | 217.1 | 218.6 |
| 27.5° | 764.9 | 751.8 | 568.2 | 367.2 | 276.8 | 234.6 | 221.5 | 214.2 | 206.9 | 205.4 | 206.9 |
| 30° | 693.5 | 679.0 | 533.3 | 348.2 | 266.6 | 222.9 | 208.4 | 201.1 | 193.8 | 193.8 | 195.2 |
| 32.5° | 635.3 | 620.7 | 498.3 | 326.4 | 253.5 | 209.8 | 196.7 | 189.4 | 182.1 | 182.1 | 185.0 |
| 35° | 582.8 | 571.2 | 470.6 | 304.5 | 240.4 | 198.2 | 183.6 | 177.8 | 171.9 | 170.5 | 173.4 |
| 37.5° | 537.6 | 531.8 | 445.8 | 281.2 | 227.3 | 186.5 | 173.4 | 167.6 | 160.3 | 158.8 | 161.7 |
| 40° | 493.9 | 491.0 | 418.2 | 260.8 | 211.3 | 174.8 | 161.7 | 155.9 | 147.2 | 147.2 | 150.1 |
| 42.5° | 453.1 | 451.7 | 393.4 | 247.7 | 196.7 | 163.2 | 148.6 | 142.8 | 135.5 | 135.5 | 138.4 |
| 45° | 421.1 | 419.6 | 370.1 | 240.4 | 182.1 | 150.1 | 137.0 | 129.7 | 123.8 | 125.3 | 128.2 |
| 47.5° | 391.9 | 389.0 | 345.3 | 241.9 | 174.8 | 141.3 | 123.8 | 116.6 | 112.2 | 115.1 | 119.5 |
| 50° | 368.6 | 365.7 | 327.8 | 243.3 | 163.2 | 129.7 | 113.6 | 106.4 | 103.4 | 107.8 | 112.2 |
| 52.5° | 354.1 | 351.1 | 310.3 | 234.6 | 148.6 | 120.9 | 103.4 | 99.1 | 99.1 | 103.4 | 106.4 |
| 55° | 339.5 | 336.6 | 281.2 | 215.6 | 132.6 | 112.2 | 96.2 | 93.2 | 93.2 | 97.6 | 100.5 |
| 57.5° | 330.7 | 324.9 | 250.6 | 193.8 | 119.5 | 102.0 | 88.9 | 88.9 | 88.9 | 90.3 | 91.8 |
| 60° | 317.6 | 303.1 | 218.6 | 166.1 | 109.3 | 91.8 | 83.1 | 81.6 | 81.6 | 80.1 | 81.6 |
| 62.5° | 289.9 | 265.2 | 183.6 | 141.3 | 97.6 | 83.1 | 75.8 | 74.3 | 69.9 | 65.6 | 67.0 |
| 65° | *262.3* | *224.4* | *145.7* | *118.0* | *84.5* | *71.4* | *67.0* | *65.6* | *58.3* | *52.5* | *53.9* |
| 67.5° | 227.3 | 179.2 | 109.3 | 99.1 | 72.9 | 61.2 | 56.8 | 56.8 | 52.5 | 48.1 | 48.1 |
| 70° | 202.5 | 139.9 | 91.8 | 74.3 | 58.3 | 48.1 | 48.1 | 51.0 | 46.6 | 40.8 | 40.8 |
| 72.5° | 179.2 | 113.6 | 74.3 | 59.7 | 45.2 | 37.9 | 40.8 | 42.3 | 37.9 | 33.5 | 33.5 |
| 75° | 153.0 | 88.9 | 58.3 | 46.6 | 33.5 | 29.1 | 30.6 | 33.5 | 30.6 | 26.2 | 27.7 |
| 77.5° | 110.7 | 61.2 | 39.3 | 30.6 | 24.8 | 21.9 | 23.3 | 23.3 | 21.9 | 20.4 | 20.4 |
| 80° | 77.2 | 40.8 | 26.2 | 20.4 | 17.5 | 16.0 | 16.0 | 14.6 | 14.6 | 16.0 | 16.0 |
| 82.5° | 46.6 | 29.1 | 18.9 | 16.0 | 13.1 | 10.2 | 10.2 | 11.7 | 11.7 | 13.1 | 13.1 |
| 85° | 20.4 | 17.5 | 13.1 | 11.7 | 8.7 | 7.3 | 8.7 | 8.7 | 10.2 | 11.7 | 11.7 |
| 87.5° | 13.1 | 13.1 | 10.2 | 8.7 | 7.3 | 5.8 | 5.8 | 7.3 | 7.3 | 8.7 | 10.2 |
| 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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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 |
| 2.5° | 721.2 | 735.8 | 753.3 | 778.0 | 799.9 | 826.1 | 852.4 | 877.1 | 900.4 | 903.4 | 913.6 |
| 5° | 628.0 | 655.7 | 690.6 | 731.4 | 781.0 | 833.4 | 884.4 | 938.3 | 982.0 | 998.1 | 1021.4 |
| 7.5° | 531.8 | 566.8 | 617.8 | 680.4 | 750.4 | 829.0 | 907.7 | 983.5 | 1049.1 | 1079.7 | 1110.3 |
| 10° | 440.0 | 473.5 | 536.2 | 611.9 | 702.3 | 808.6 | 913.6 | 1015.5 | 1095.7 | 1130.6 | 1159.8 |
| 12.5° | 357.0 | 390.5 | 441.5 | 528.9 | 638.2 | 766.4 | 904.8 | 1027.2 | 1116.1 | 1152.5 | 1180.2 |
| 15° | 291.4 | 319.1 | 367.2 | 448.8 | 563.9 | 708.1 | 874.2 | 1018.5 | 1120.5 | 1155.4 | 1175.8 |
| 17.5° | 256.4 | 263.7 | 294.3 | 368.6 | 493.9 | 655.7 | 834.9 | 1006.8 | 1123.4 | 1155.4 | 1167.1 |
| 20° | 241.9 | 241.9 | 247.7 | 287.0 | 409.4 | 600.3 | 805.7 | 999.5 | 1127.7 | 1159.8 | 1158.3 |
| 22.5° | 228.8 | 231.7 | 231.7 | 240.4 | 311.8 | 523.1 | 775.1 | 996.6 | 1140.8 | 1165.6 | 1145.2 |
| 25° | 217.1 | 221.5 | 221.5 | 224.4 | 244.8 | 431.3 | 737.3 | 1002.4 | 1164.2 | 1177.3 | 1136.5 |
| 27.5° | 206.9 | 211.3 | 211.3 | 214.2 | 218.6 | 320.5 | 674.6 | 1003.9 | 1190.4 | 1191.8 | 1124.8 |
| 30° | 196.7 | 201.1 | 204.0 | 204.0 | 206.9 | 236.0 | 595.9 | 995.1 | 1219.5 | 1210.8 | 1123.4 |
| 32.5° | 185.0 | 190.9 | 192.3 | 195.2 | 196.7 | 205.4 | 493.9 | 980.6 | 1256.0 | 1237.0 | 1124.8 |
| 35° | 174.8 | 182.1 | 183.6 | 183.6 | 186.5 | 195.2 | 394.9 | 964.5 | 1305.5 | 1272.0 | 1130.6 |
| 37.5° | 164.6 | 170.5 | 171.9 | 173.4 | 176.3 | 185.0 | 313.3 | 941.2 | 1347.7 | 1315.7 | 1159.8 |
| 40° | 153.0 | 160.3 | 161.7 | 163.2 | 166.1 | 174.8 | 269.5 | 912.1 | 1411.9 | 1388.5 | 1203.5 |
| 42.5° | 141.3 | 148.6 | 151.5 | 153.0 | 154.4 | 166.1 | 246.2 | 891.7 | 1515.3 | 1490.5 | 1292.4 |
| 45° | 131.1 | 138.4 | 141.3 | 141.3 | 144.2 | 160.3 | 225.8 | 936.9 | 1658.1 | 1646.4 | 1411.9 |
| 47.5° | 122.4 | 129.7 | 131.1 | 131.1 | 132.6 | 151.5 | 208.4 | 1057.8 | 1876.6 | 1846.0 | 1598.4 |
| 50° | 115.1 | 120.9 | 123.8 | 120.9 | 122.4 | 144.2 | 218.6 | 1257.4 | 2156.4 | 2166.6 | 1872.3 |
| 52.5° | 109.3 | 115.1 | 116.6 | 110.7 | 110.7 | 134.0 | 231.7 | 1420.6 | 2513.4 | 2606.6 | 2306.5 |
| 55° | 102.0 | 107.8 | 109.3 | 102.0 | 102.0 | 118.0 | 201.1 | 1430.8 | 2919.9 | 3220.0 | 2871.8 |
| 57.5° | 94.7 | 100.5 | 100.5 | 94.7 | 93.2 | 102.0 | 163.2 | 1269.1 | 3234.6 | 3915.0 | 3645.5 |
| 60° | 86.0 | 91.8 | 90.3 | 87.4 | 84.5 | 93.2 | 150.1 | 967.5 | 3192.3 | 4368.2 | 4532.8 |
| 62.5° | 69.9 | 78.7 | 81.6 | 80.1 | 74.3 | 84.5 | 139.9 | 630.9 | 2762.5 | 3974.8 | 4505.1 |
| 65° | *58.3* | *65.6* | *69.9* | *69.9* | *65.6* | *93.2* | *122.4* | *332.2* | *2211.8* | *3373.0* | *3971.8* |
| 67.5° | 51.0 | 58.3 | 61.2 | 59.7 | 56.8 | 83.1 | 77.2 | 160.3 | 1696.0 | 2906.8 | 3555.1 |
| 70° | 45.2 | 51.0 | 53.9 | 49.5 | 46.6 | 67.0 | 55.4 | 94.7 | 1135.0 | 2425.9 | 3166.1 |
| 72.5° | 36.4 | 42.3 | 45.2 | 40.8 | 36.4 | 49.5 | 42.3 | 62.7 | 738.7 | 2067.5 | 2813.5 |
| 75° | 29.1 | 35.0 | 36.4 | 33.5 | 29.1 | 36.4 | 33.5 | 43.7 | 482.3 | 1710.5 | 2392.4 |
| 77.5° | 21.9 | 24.8 | 27.7 | 26.2 | 21.9 | 26.2 | 23.3 | 30.6 | 275.4 | 1200.6 | 1678.5 |
| 80° | 17.5 | 18.9 | 18.9 | 18.9 | 17.5 | 16.0 | 16.0 | 20.4 | 123.8 | 591.6 | 875.7 |
| 82.5° | 14.6 | 16.0 | 16.0 | 14.6 | 13.1 | 11.7 | 10.2 | 11.7 | 36.4 | 265.2 | 403.6 |
| 85° | 13.1 | 14.6 | 11.7 | 10.2 | 8.7 | 7.3 | 4.4 | 4.4 | 10.2 | 42.3 | 78.7 |
| 87.5° | 10.2 | 8.7 | 7.3 | 5.8 | 2.9 | 1.5 | 1.5 | 0.0 | 1.5 | 1.5 | 1.5 |
| 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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364553
CATALOG NUMBER: GSS-SB1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 820.3 | 820.3 | 820.3 | *820.3* | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 | 820.3 |
| 2.5° | 929.6 | 944.2 | 954.3 | *963.1* | 960.2 | 952.9 | 938.3 | 928.1 | 925.8 | 925.2 |
| 5° | 1052.0 | 1075.3 | 1095.7 | *1092.8* | 1095.7 | 1073.8 | 1052.0 | 1025.7 | 1015.3 | 1012.6 |
| 7.5° | 1154.0 | 1183.1 | 1207.9 | *1205.0* | 1196.2 | 1171.4 | 1135.0 | 1095.7 | 1077.0 | 1072.4 |
| 10° | 1209.3 | 1242.8 | 1263.2 | *1256.0* | 1241.4 | 1209.3 | 1172.9 | 1126.3 | 1105.3 | 1100.1 |
| 12.5° | 1219.5 | 1241.4 | 1237.0 | *1234.1* | 1231.2 | 1215.2 | 1187.5 | 1145.2 | 1124.2 | 1119.0 |
| 15° | 1193.3 | 1184.6 | 1159.8 | *1154.0* | 1175.8 | 1196.2 | 1190.4 | 1155.4 | 1135.6 | 1130.6 |
| 17.5° | 1149.6 | 1104.4 | 1059.3 | *1053.4* | 1089.9 | 1146.7 | 1191.8 | 1171.4 | 1152.8 | 1148.1 |
| 20° | 1101.5 | 1017.0 | 967.5 | *957.3* | 1002.4 | 1086.9 | 1175.8 | 1187.5 | 1174.7 | 1171.4 |
| 22.5° | 1044.7 | 945.6 | 893.2 | *887.3* | 920.8 | 1019.9 | 1152.5 | 1205.0 | 1199.1 | 1197.7 |
| 25° | 995.1 | 883.0 | 833.4 | *824.7* | 868.4 | 964.5 | 1129.2 | 1234.1 | 1230.6 | 1229.7 |
| 27.5° | 954.3 | 837.8 | 785.3 | *779.5* | 821.8 | 917.9 | 1100.1 | 1258.9 | 1270.5 | 1273.4 |
| 30° | 922.3 | 804.3 | 751.8 | *744.5* | 791.2 | 885.9 | 1079.7 | 1293.8 | 1316.0 | 1321.5 |
| 32.5° | 897.5 | 785.3 | 735.8 | *731.4* | 781.0 | 872.8 | 1068.0 | 1330.3 | 1375.7 | 1387.1 |
| 35° | 888.8 | 791.2 | 757.7 | *767.9* | 805.7 | 885.9 | 1076.7 | 1390.0 | 1452.9 | 1468.7 |
| 37.5° | 907.7 | 855.3 | 878.6 | *904.8* | 919.4 | 948.5 | 1117.5 | 1486.2 | 1567.8 | 1588.2 |
| 40° | 968.9 | 1027.2 | 1136.5 | *1187.5* | 1181.6 | 1114.6 | 1210.8 | 1621.7 | 1738.2 | 1767.4 |
| 42.5° | 1124.8 | 1314.2 | 1545.9 | *1631.9* | 1582.3 | 1379.8 | 1359.4 | 1844.6 | 1977.5 | 2010.7 |
| 45° | 1356.5 | 1661.0 | 2041.3 | *2235.1* | 2064.6 | 1716.4 | 1594.0 | 2162.2 | 2290.4 | 2322.5 |
| 47.5° | 1588.2 | 2048.6 | 2653.2 | *2883.4* | 2548.3 | 2050.0 | 1901.4 | 2542.5 | 2657.9 | 2686.7 |
| 50° | 1824.2 | 2476.9 | 3263.7 | *3571.2* | 3030.6 | 2389.5 | 2227.8 | 3011.7 | 3095.6 | 3116.6 |
| 52.5° | 2067.5 | 2860.1 | 3936.9 | *4202.1* | 3534.7 | 2651.8 | 2600.8 | 3523.1 | 3573.2 | 3585.7 |
| 55° | 2338.5 | 3222.9 | 4611.5 | *4825.7* | 3993.7 | 2880.5 | 3037.9 | 4057.8 | 4045.0 | 4041.8 |
| 57.5° | 2699.9 | 3604.7 | 5154.9 | *5453.6* | 4410.4 | 3189.4 | 3622.2 | 4652.3 | 4401.7 | 4339.0 |
| 60° | 3330.8 | 4197.7 | 5831.0 | *6155.9* | 4968.4 | 3641.1 | 4052.0 | 4639.2 | 4191.6 | 4079.7 |
| 62.5° | 4062.2 | 4768.8 | 6443.0 | *6716.9* | 5555.6 | 4089.9 | 3709.6 | 3896.1 | 3453.1 | 3342.4 |
| 65° | *3528.9* | *4668.3* | *6461.9* | *6743.1* | *5577.5* | *3815.9* | *2742.1* | *2762.5* | *2389.5* | *2296.3* |
| 67.5° | 3002.9 | 4137.9 | 5884.9 | *6106.4* | 4975.7 | 3154.5 | 1818.4 | 1802.3 | 1568.0 | 1509.5 |
| 70° | 2673.6 | 3625.1 | 5071.9 | *4881.0* | 4183.1 | 2666.4 | 1207.9 | 1001.0 | 855.3 | 818.8 |
| 72.5° | 2402.6 | 2876.2 | 4110.3 | *3364.3* | 3470.6 | 2169.5 | 767.9 | 681.9 | 568.8 | 540.6 |
| 75° | 2175.3 | 2379.3 | 2564.4 | *2325.4* | 2465.3 | 1787.8 | 651.3 | 526.0 | 430.4 | 406.5 |
| 77.5° | 1730.9 | 1851.9 | 1518.2 | *1474.5* | 1726.6 | 1272.0 | 323.5 | 221.5 | 193.5 | 186.5 |
| 80° | 1030.1 | 875.7 | 861.1 | *982.0* | 1149.6 | 660.0 | 198.2 | 122.4 | 110.7 | 107.8 |
| 82.5° | 623.6 | 316.2 | 343.9 | *434.2* | 611.9 | 300.1 | 118.0 | 52.5 | 46.6 | 45.2 |
| 85° | 104.9 | 86.0 | 132.6 | *126.8* | 119.5 | 64.1 | 32.1 | 14.6 | 13.4 | 13.1 |
| 87.5° | 2.9 | 4.4 | 5.8 | *7.3* | 7.3 | 7.3 | 7.3 | 7.3 | 8.5 | 8.7 |
| 90° | 0.0 | 0.0 | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

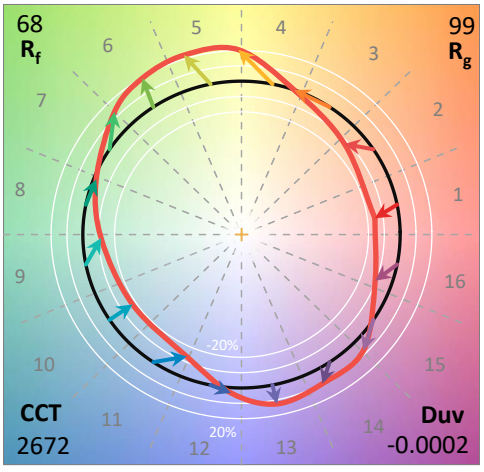
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-3 |
| 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-727-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2672 |
| CIE u': | 0.2638 |
| CIE v': | 0.5276 |
| Duv: | -0.0002 |
| CIE x: | 0.4619 |
| CIE y: | 0.4106 |
| CIE z: | 0.1275 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 584 |
| Purity: | 61.88407 |
| Rf: | 67.9 |
| Rg: | 98.6 |

| | |
|---|---|
| CRI (Ra): | 71.1 |
| R1: | 68.3 |
| R2: | 79.8 |
| R3: | 91.2 |
| R4: | 69.4 |
| R5: | 66.5 |
| R6: | 72.6 |
| R7: | 77.0 |
| R8: | 44.1 |
| R9: | -27.8 |
| R10: | 54.4 |
| R11: | 65.8 |
| R12: | 45.6 |
| R13: | 69.8 |
| R14: | 94.5 |
| R15: | 60.1 |




## Test Conditions

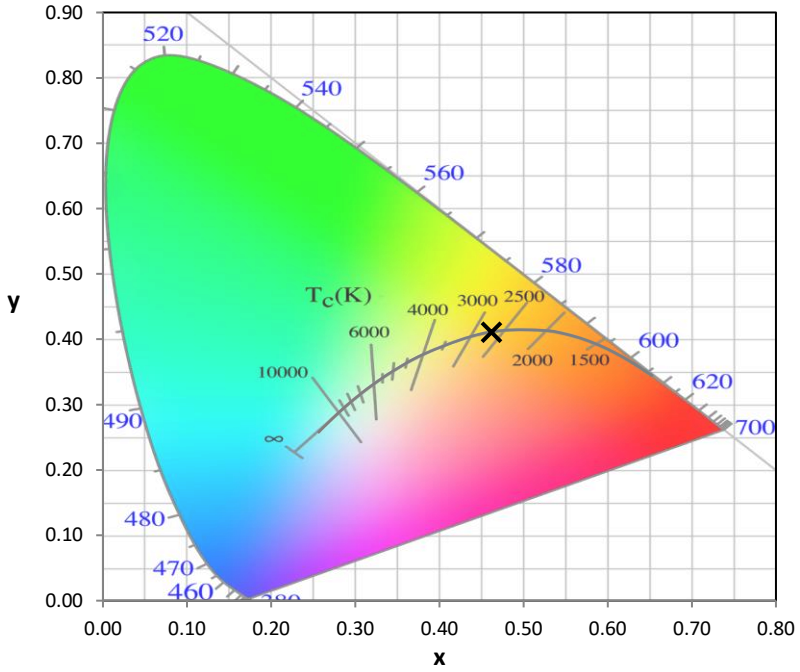
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-3

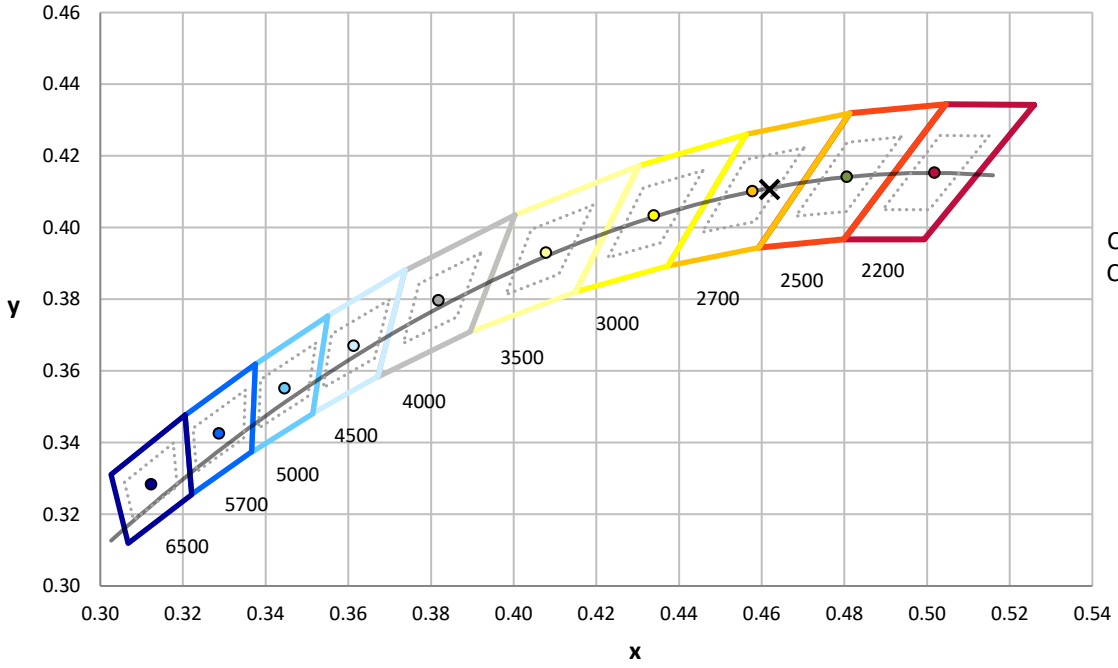
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-3

## CIE 1931 Chromaticity Diagram




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

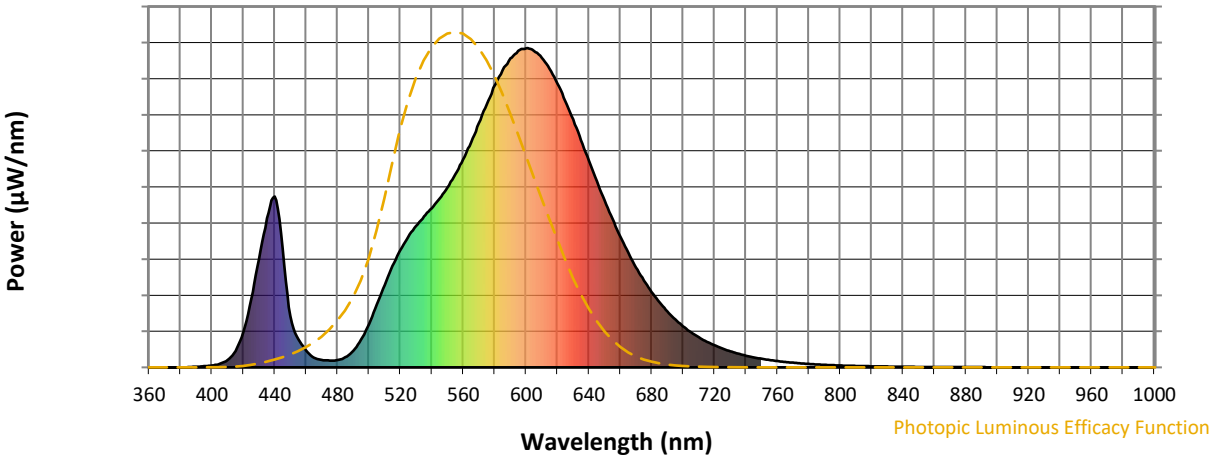



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

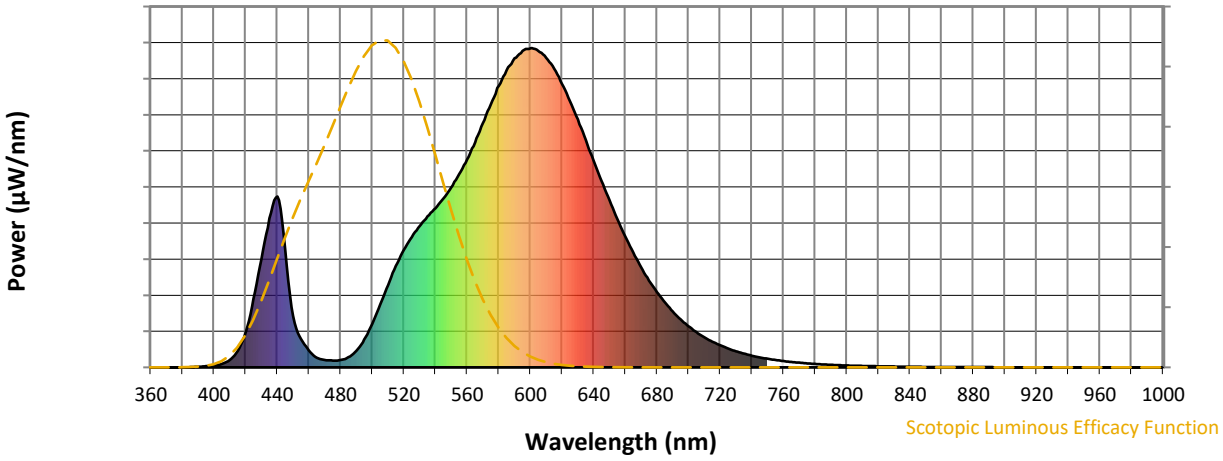



## Photopic Lumens: NR

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Scotopic Flux vs. Wavelength

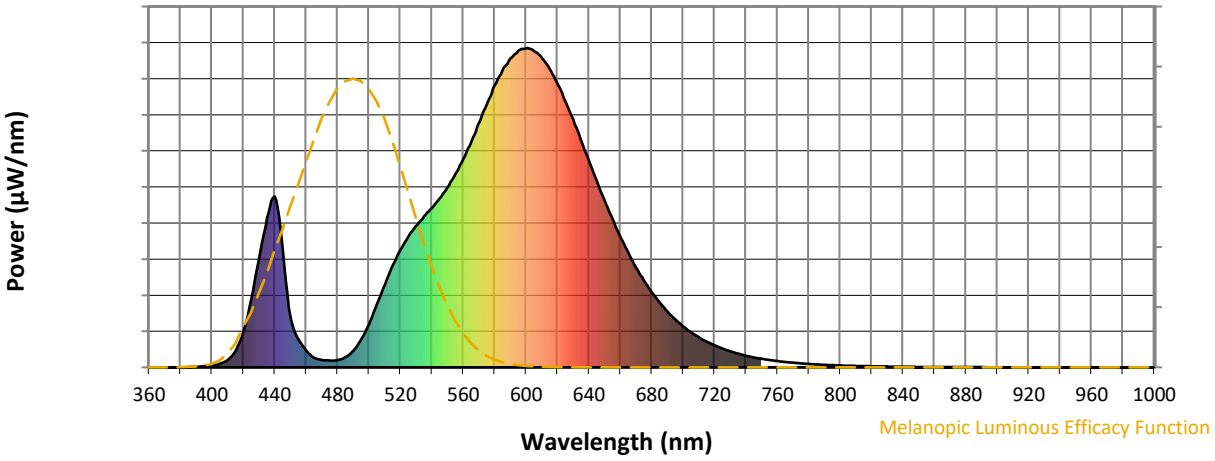



**Scotopic Lumens: NR** **S/P: 1.02**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.71**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

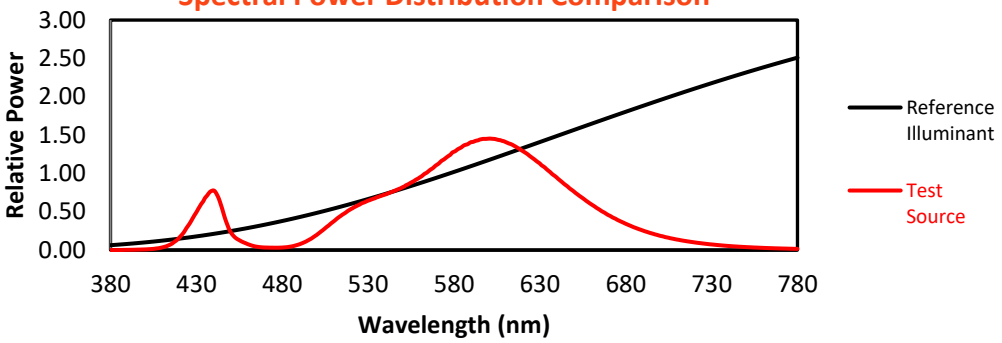
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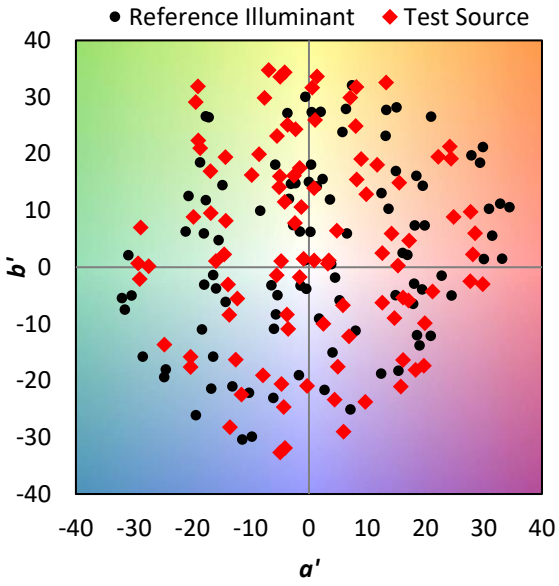
## Summary

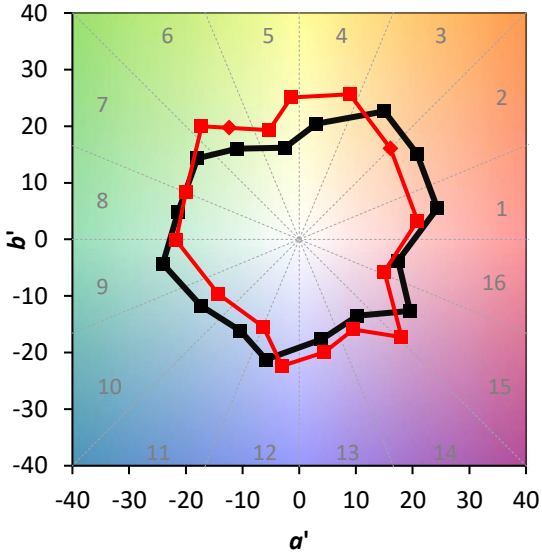
$R_f$ = 67.9
$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

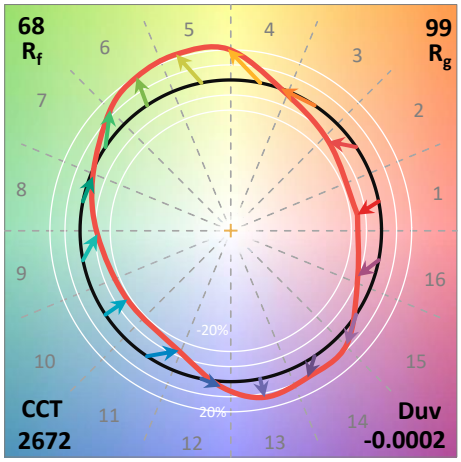
## Spectral Power Distribution Comparison

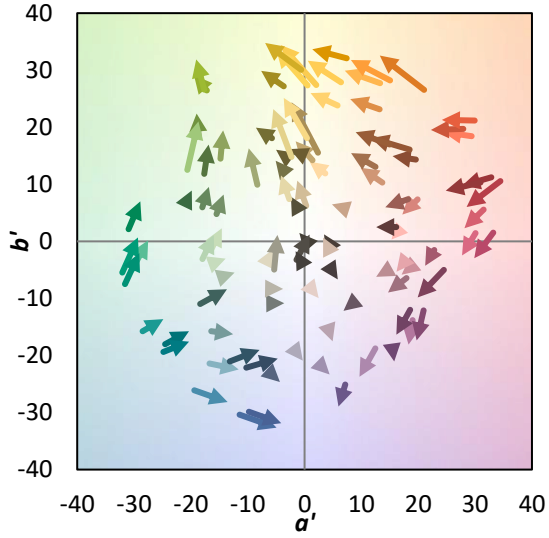



## Color Vector Graphics



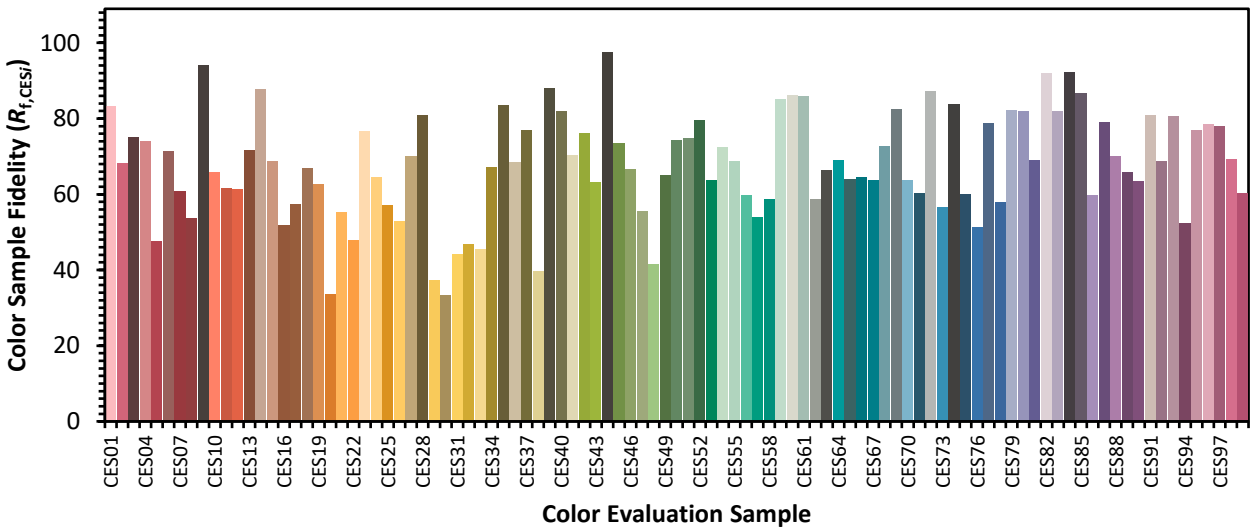



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**Individual Sample Fidelity Index ($R_{f,i}$)**

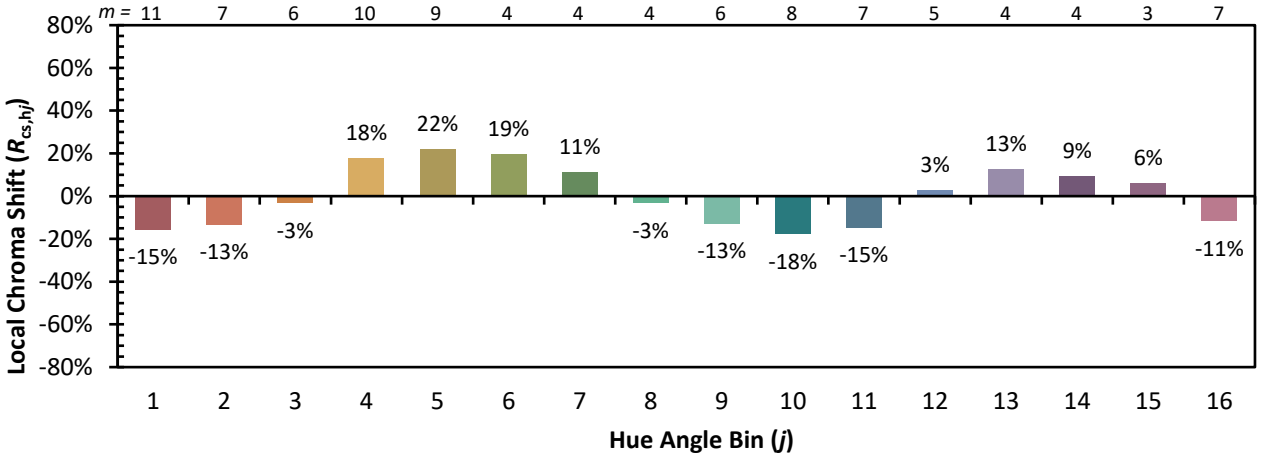
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 52 | CES31 = 44 | CES56 = 60 | CES81 = 69 |
| CES07 = 42 | CES32 = 47 | CES57 = 54 | CES82 = 92 |
| CES08 = 41 | CES33 = 45 | CES58 = 59 | CES83 = 82 |
| CES09 = 29 | CES34 = 67 | CES59 = 85 | CES84 = 92 |
| CES10 = 77 | CES35 = 84 | CES60 = 86 | CES85 = 87 |
| CES11 = 60 | CES36 = 68 | CES61 = 86 | CES86 = 60 |
| CES12 = 66 | CES37 = 77 | CES62 = 59 | CES87 = 79 |
| CES13 = 44 | CES38 = 40 | CES63 = 66 | CES88 = 70 |
| CES14 = 74 | CES39 = 88 | CES64 = 69 | CES89 = 66 |
| CES15 = 72 | CES40 = 82 | CES65 = 64 | CES90 = 64 |
| CES16 = 48 | CES41 = 70 | CES66 = 65 | CES91 = 81 |
| CES17 = 51 | CES42 = 76 | CES67 = 64 | CES92 = 69 |
| CES18 = 57 | CES43 = 63 | CES68 = 73 | CES93 = 81 |
| CES19 = 73 | CES44 = 97 | CES69 = 83 | CES94 = 53 |
| CES20 = 67 | CES45 = 74 | CES70 = 64 | CES95 = 77 |
| CES21 = 88 | CES46 = 67 | CES71 = 60 | CES96 = 79 |
| CES22 = 80 | CES47 = 55 | CES72 = 87 | CES97 = 78 |
| CES23 = 92 | CES48 = 42 | CES73 = 57 | CES98 = 69 |
| CES24 = 92 | CES49 = 65 | CES74 = 84 | CES99 = 60 |
| CES25 = 73 | CES50 = 74 | CES75 = 60 | |

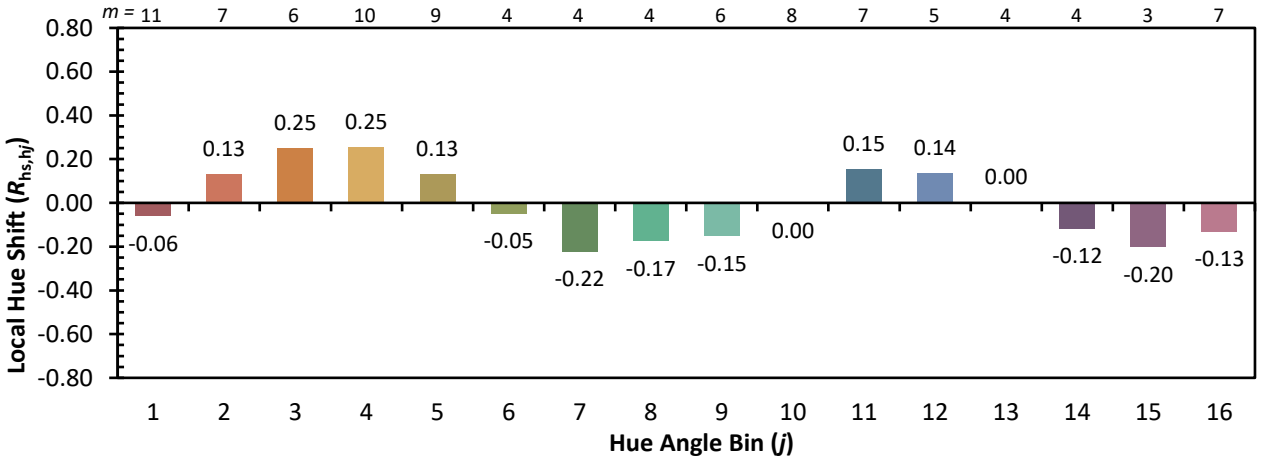


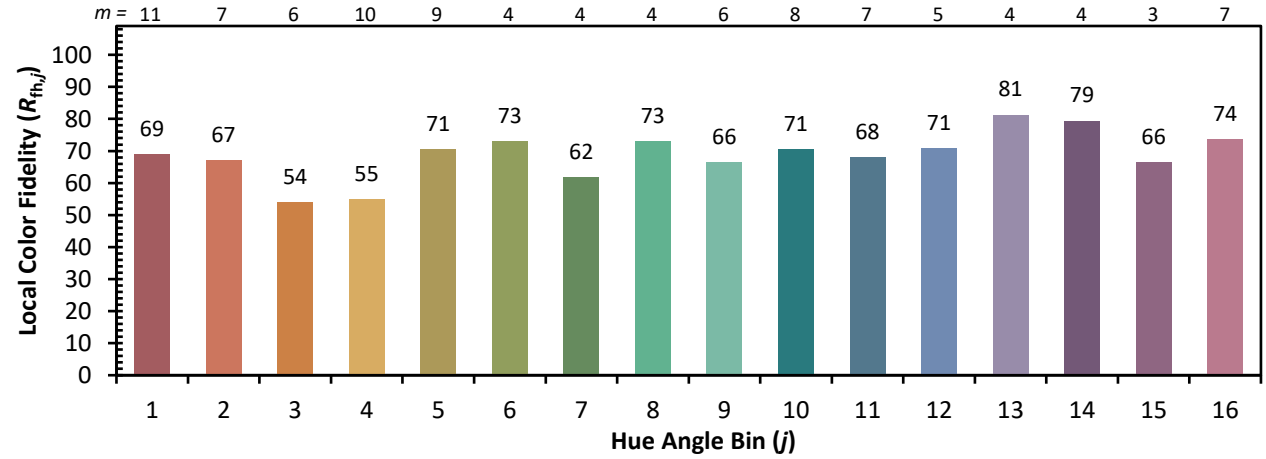
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## Color Rendition by Hue-Angle Bin



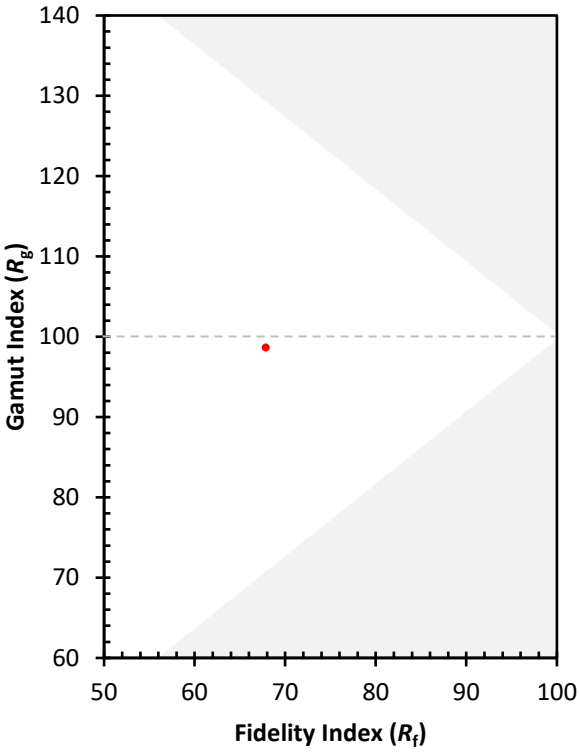



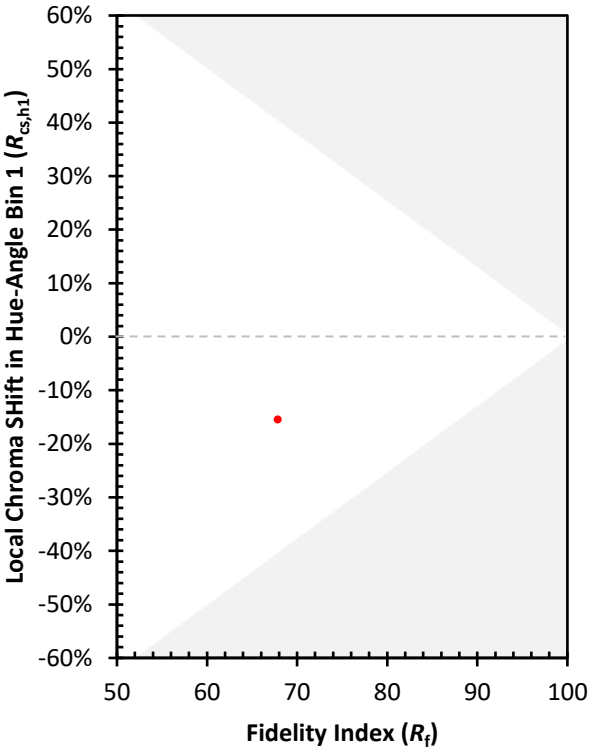



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## Measure Comparisons




(END OF REPORT)