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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1201488

Luminaire Tested: GWC-SB1B-730-U-SLR-HSS

Issue Date: 10/30/2025

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1201488 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/14/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1B-730-U-SLR-HSS |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 4320 lumens |
| Efficiency: | N/A |
| Efficacy: | 108.5 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 39.8 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.33 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.996 |
| Total Harmonic Distortion (THDi): | 5.305 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

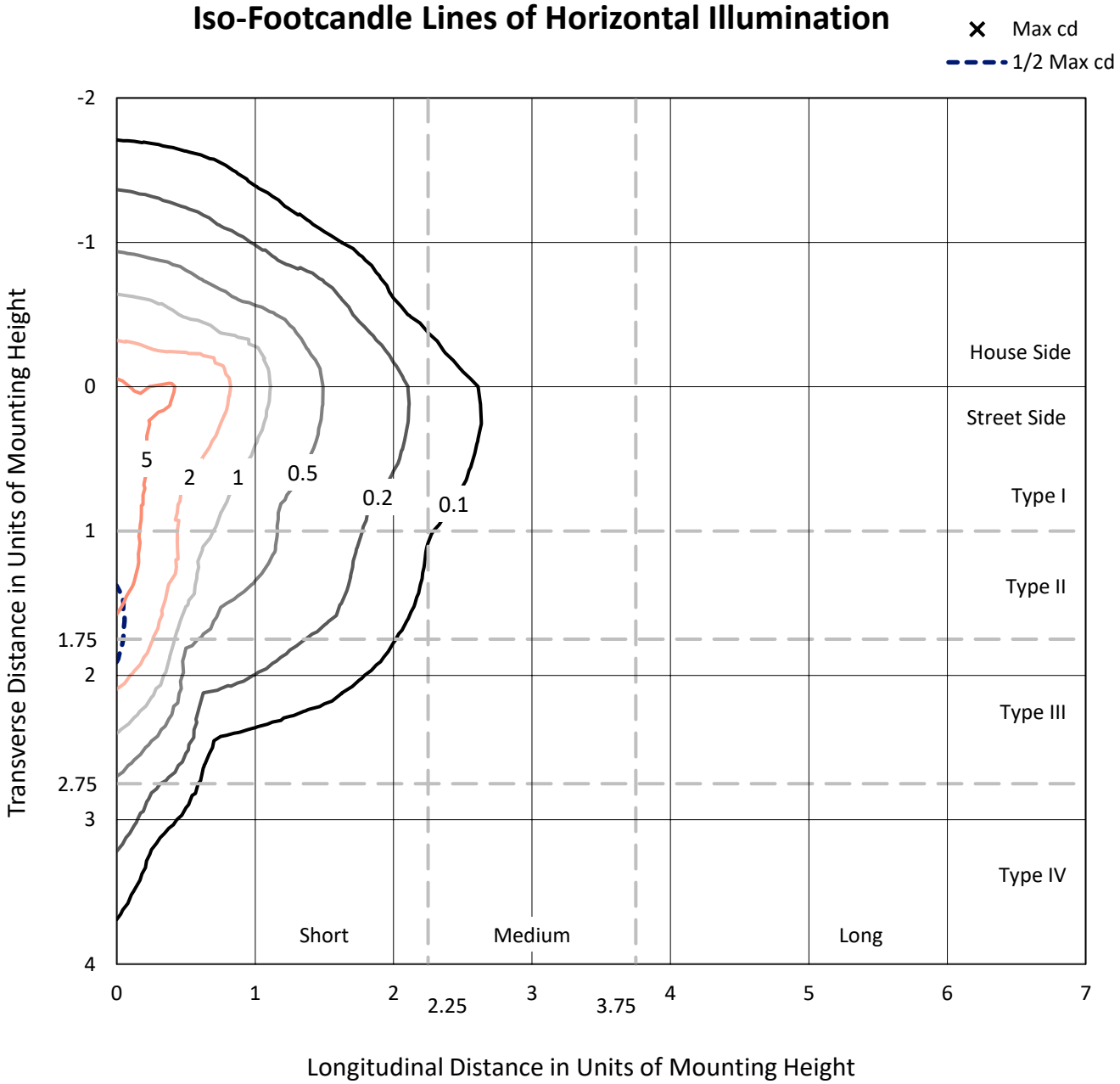


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## Iso-Footcandle Lines of Horizontal Illumination



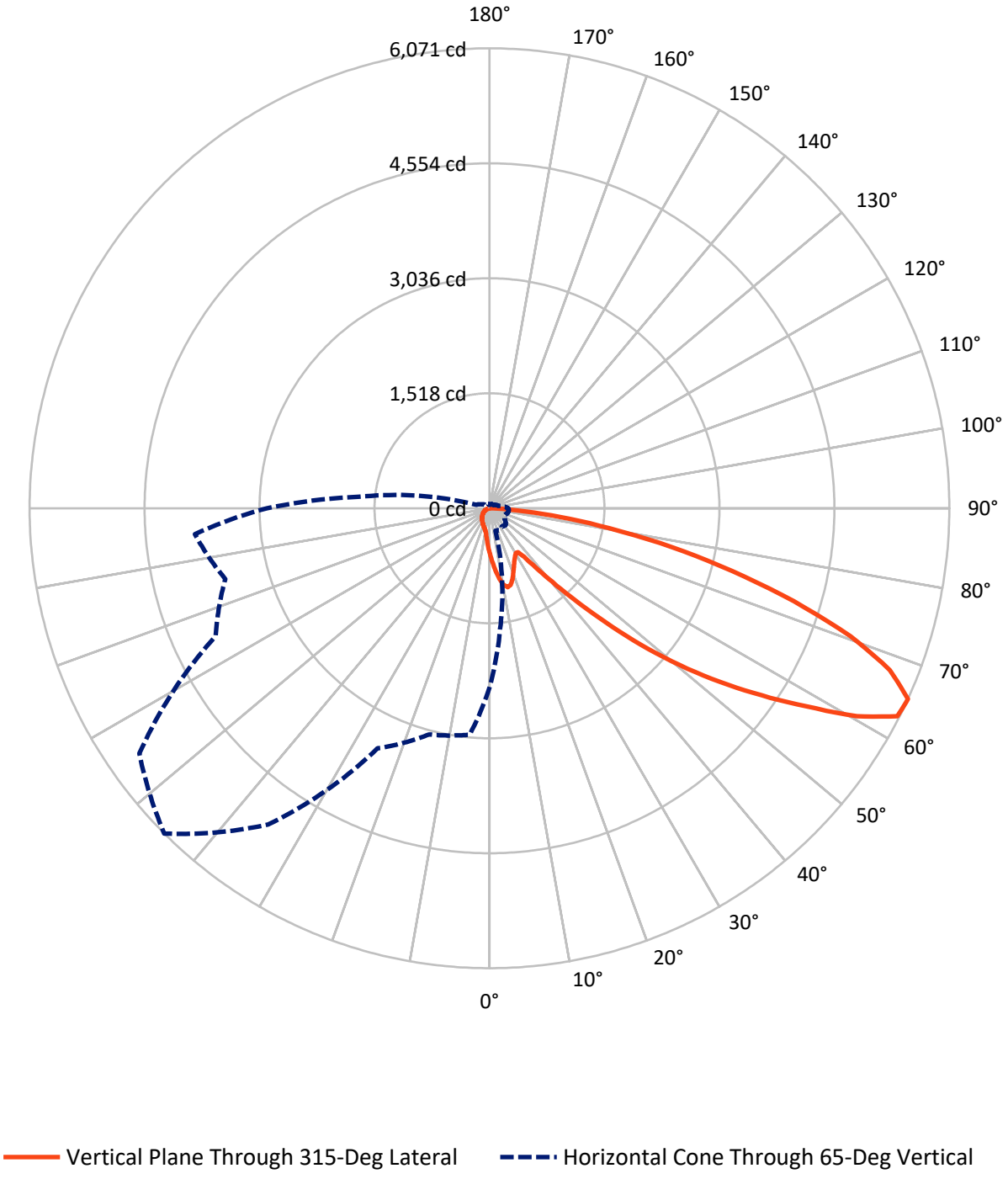

Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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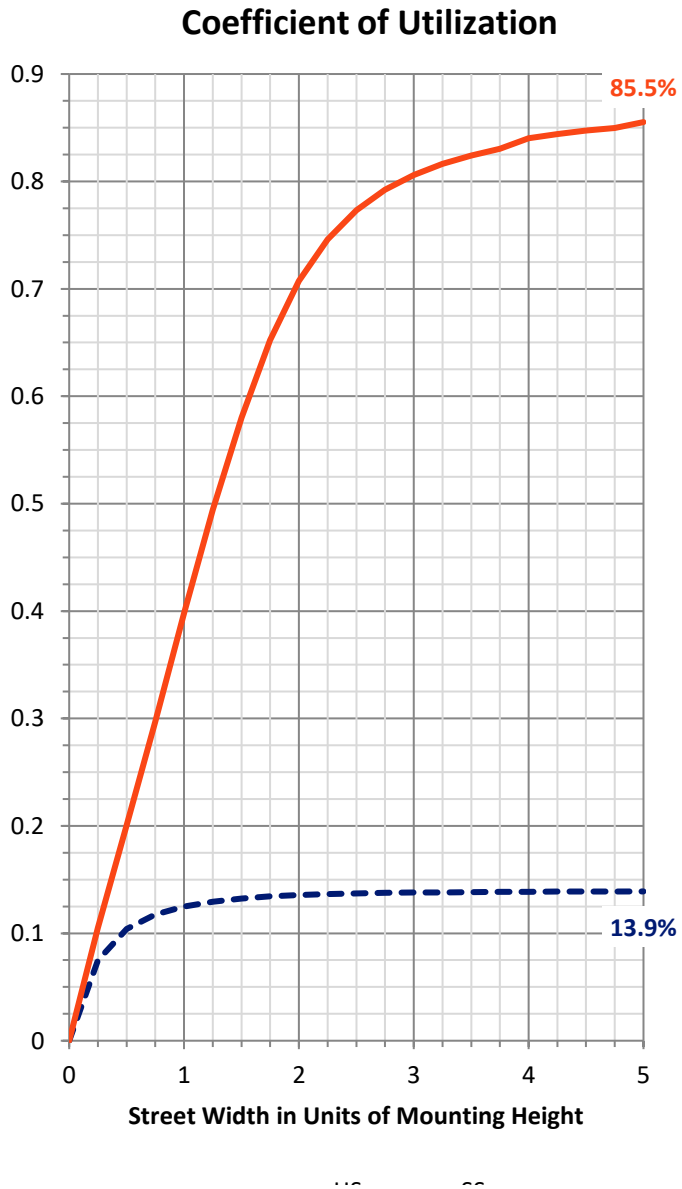
REPORT NUMBER: P1201488
CATALOG NUMBER: GWC-SB1B-730-U-SLR-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 605.0 | 0.0 | 605.0 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| **Street Side** | Lumens | 3715.0 | 0.0 | 3715.0 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| **Total** | Lumens | 4320.0 | 0.0 | 4320.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 58.9 | 1.4 |
| 10°-20° | 176.5 | 4.1 |
| 20°-30° | 260.1 | 6.0 |
| 30°-40° | 334.1 | 7.7 |
| 40°-50° | 540.4 | 12.5 |
| 50°-60° | 947.6 | 21.9 |
| 60°-70° | 1185.8 | 27.4 |
| 70°-80° | 692.9 | 16.0 |
| 80°-90° | 123.6 | 2.9 |
| 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° | 4320.0 | 100.0 |
| 0°-180° | 4320.0 | 100.0 |



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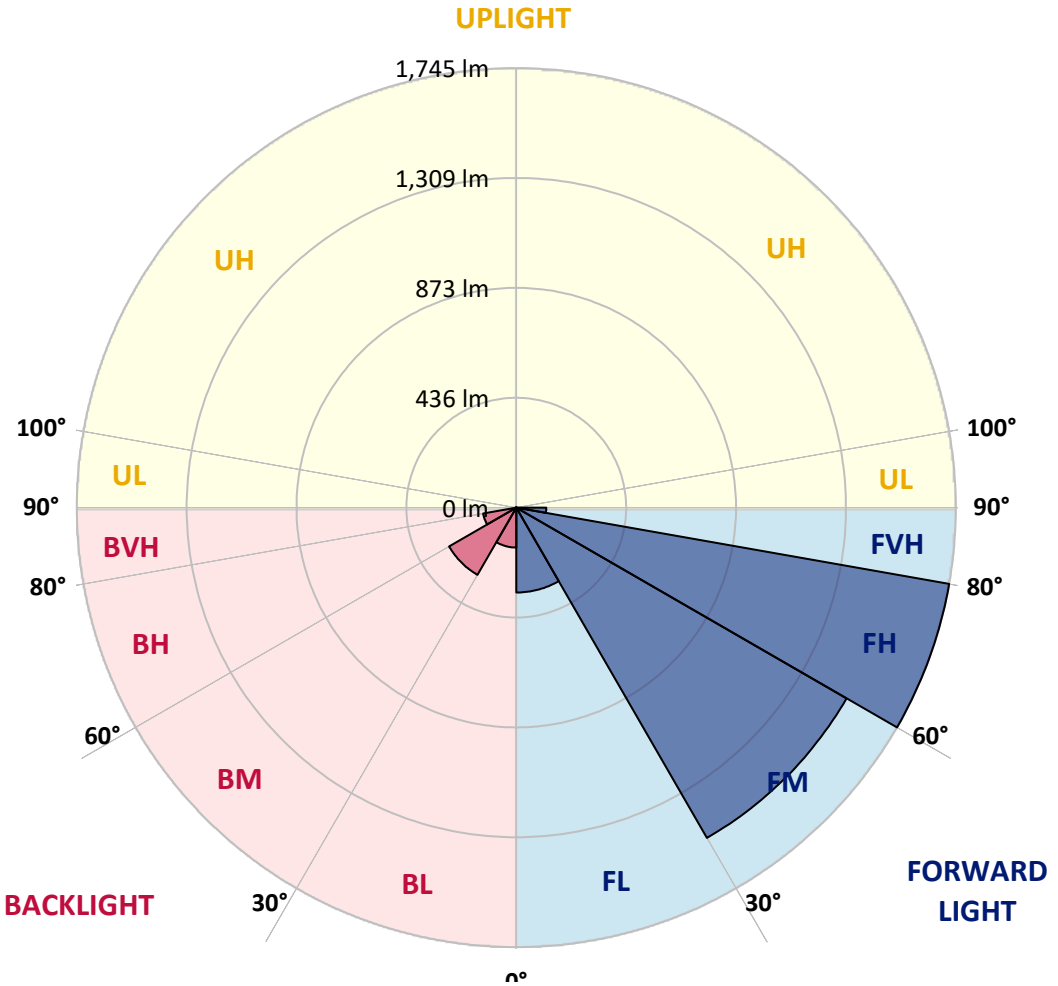
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 336.9 | 7.8 | | | |
| FM | (30°-60°) | 1514.1 | 35.0 | | | |
| FH | (60°-80°) | 1745.1 | 40.4 | | | G1/1800 |
| FVH | (80°-90°) | 118.9 | 2.8 | | | G2/225 |
| BL | (0°-30°) | 158.6 | 3.7 | B1/500 | | |
| BM | (30°-60°) | 308.1 | 7.1 | B1/1000 | | |
| BH | (60°-80°) | 133.6 | 3.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 4.8 | 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-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 |
| 2.5° | 675.9 | 664.2 | 657.4 | 640.4 | 623.5 | 609.8 | 591.3 | 579.1 | 564.6 | 550.6 | 538.1 |
| 5° | 753.2 | 734.5 | 711.9 | 680.9 | 652.6 | 623.8 | 595.8 | 568.1 | 539.0 | 512.2 | 495.8 |
| 7.5° | 818.7 | 791.6 | 751.7 | 710.7 | 674.7 | 639.8 | 607.1 | 570.5 | 535.1 | 493.1 | 470.8 |
| 10° | 868.7 | 834.2 | 781.8 | 727.9 | 686.6 | 651.5 | 619.6 | 588.7 | 552.9 | 502.4 | 474.4 |
| 12.5° | 899.1 | 862.2 | 800.0 | 736.9 | 689.5 | 650.3 | 625.6 | 611.9 | 597.9 | 547.6 | 514.9 |
| 15° | 921.4 | 881.5 | 812.8 | 743.1 | 682.7 | 634.5 | 616.3 | 630.0 | 646.1 | 614.0 | 576.2 |
| 17.5° | 944.6 | 902.6 | 829.4 | 745.8 | 664.2 | 603.8 | 596.1 | 631.5 | 668.7 | 667.2 | 629.7 |
| 20° | 966.6 | 924.9 | 844.0 | 744.0 | 634.5 | 566.6 | 573.5 | 618.7 | 661.9 | 680.0 | 659.8 |
| 22.5° | 991.9 | 947.9 | 858.0 | 737.2 | 595.8 | 531.8 | 553.2 | 598.5 | 636.3 | 657.7 | 651.5 |
| 25° | 1022.9 | 976.7 | 877.6 | 727.0 | 554.1 | 502.9 | 532.7 | 575.0 | 605.6 | 620.5 | 620.2 |
| 27.5° | 1056.2 | 1011.3 | 903.8 | 721.7 | 520.5 | 482.4 | 509.5 | 547.0 | 574.4 | 584.8 | 584.8 |
| 30° | 1097.6 | 1051.4 | 934.8 | 715.7 | 498.5 | 470.5 | 485.4 | 514.6 | 541.3 | 551.8 | 551.8 |
| 32.5° | 1142.8 | 1096.1 | 964.5 | 701.4 | 485.1 | 461.6 | 461.9 | 480.3 | 504.7 | 517.2 | 519.0 |
| 35° | 1199.3 | 1149.6 | 996.4 | 670.2 | 474.4 | 451.2 | 439.0 | 447.9 | 468.1 | 483.0 | 486.9 |
| 37.5° | 1280.0 | 1219.9 | 1035.4 | 625.6 | 458.6 | 435.1 | 414.9 | 416.9 | 432.4 | 448.8 | 454.7 |
| 40° | 1391.3 | 1314.2 | 1081.2 | 579.1 | 436.0 | 412.5 | 388.4 | 387.5 | 398.8 | 414.9 | 421.4 |
| 42.5° | 1541.9 | 1438.9 | 1136.2 | 534.8 | 414.3 | 385.1 | 360.4 | 358.9 | 367.8 | 381.8 | 388.7 |
| 45° | 1740.7 | 1598.4 | 1203.8 | 496.7 | 397.3 | 358.3 | 333.9 | 333.3 | 340.8 | 353.0 | 360.1 |
| 47.5° | 1995.1 | 1820.1 | 1271.4 | 470.8 | 388.4 | 337.2 | 312.2 | 313.4 | 319.9 | 330.9 | 336.0 |
| 50° | 2324.6 | 2109.1 | 1291.9 | 457.7 | 388.4 | 325.9 | 292.8 | 298.8 | 304.2 | 312.5 | 315.5 |
| 52.5° | 2719.5 | 2386.5 | 1224.0 | 445.8 | 390.8 | 327.4 | 276.5 | 289.3 | 293.1 | 300.3 | 301.5 |
| 55° | 3085.5 | 2522.5 | 1052.3 | 429.4 | 391.3 | 336.6 | 262.5 | 281.5 | 288.7 | 291.4 | 291.1 |
| 57.5° | 3298.0 | 2475.8 | 850.8 | 401.8 | 389.0 | 342.8 | 253.6 | 272.0 | 285.7 | 287.5 | 284.8 |
| 60° | 3257.6 | 2311.8 | 626.5 | 380.6 | 371.4 | 340.5 | 250.9 | 257.4 | 279.2 | 281.8 | 278.3 |
| 62.5° | 2945.7 | 2036.8 | 434.8 | 364.3 | 332.7 | 330.0 | 250.0 | 234.5 | 264.9 | 271.4 | 266.4 |
| 65° | *2367.7* | *1603.5* | *307.1* | *313.7* | *291.7* | *307.4* | *245.2* | *210.7* | *247.6* | *256.5* | *248.8* |
| 67.5° | 1717.8 | 1085.1 | 221.7 | 254.2 | 264.3 | 270.8 | 234.5 | 193.4 | 228.0 | 239.9 | 229.7 |
| 70° | 1102.3 | 586.0 | 155.6 | 167.8 | 222.6 | 230.0 | 216.1 | 178.0 | 208.0 | 221.7 | 210.7 |
| 72.5° | 783.6 | 346.1 | 111.9 | 117.6 | 178.9 | 191.7 | 190.2 | 160.7 | 184.8 | 201.5 | 188.4 |
| 75° | 540.7 | 190.8 | 75.6 | 83.9 | 129.8 | 155.6 | 146.7 | 138.1 | 156.5 | 173.5 | 160.7 |
| 77.5° | 339.0 | 85.4 | 45.2 | 58.3 | 85.1 | 122.3 | 100.6 | 106.8 | 122.0 | 137.8 | 124.4 |
| 80° | 188.7 | 33.0 | 25.3 | 38.7 | 46.4 | 89.0 | 55.7 | 68.7 | 89.9 | 101.2 | 90.5 |
| 82.5° | 41.1 | 4.2 | 11.3 | 16.7 | 18.2 | 51.8 | 29.5 | 39.9 | 56.5 | 55.7 | 48.2 |
| 85° | 0.0 | 0.0 | 2.1 | 2.4 | 1.2 | 22.3 | 10.7 | 13.1 | 18.5 | 17.3 | 13.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CATALOG NUMBER: GWC-SB1B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 |
| 2.5° | 535.7 | 521.1 | 510.4 | 505.0 | 500.6 | 504.7 | 507.1 | 507.1 | 517.2 | 523.2 | 525.6 |
| 5° | 485.4 | 459.2 | 439.3 | 425.9 | 417.8 | 420.5 | 423.5 | 426.8 | 439.6 | 448.2 | 453.8 |
| 7.5° | 450.6 | 410.4 | 380.0 | 361.3 | 351.5 | 353.0 | 355.0 | 357.7 | 370.2 | 378.8 | 386.3 |
| 10° | 444.0 | 386.3 | 343.4 | 318.7 | 306.8 | 304.7 | 303.6 | 302.7 | 310.1 | 316.6 | 322.6 |
| 12.5° | 470.8 | 387.5 | 327.7 | 297.6 | 283.0 | 276.8 | 269.6 | 264.0 | 265.2 | 269.3 | 276.8 |
| 15° | 518.7 | 402.7 | 322.6 | 286.6 | 268.4 | 258.0 | 249.7 | 242.8 | 241.4 | 242.8 | 244.0 |
| 17.5° | 573.5 | 423.2 | 322.0 | 277.1 | 254.5 | 243.7 | 236.9 | 230.6 | 228.6 | 228.9 | 230.3 |
| 20° | 609.8 | 439.6 | 320.2 | 266.4 | 241.1 | 231.5 | 225.6 | 219.3 | 217.3 | 217.8 | 218.1 |
| 22.5° | 613.4 | 448.2 | 317.5 | 254.5 | 227.7 | 219.6 | 213.7 | 208.0 | 207.7 | 207.7 | 209.5 |
| 25° | 594.0 | 448.2 | 311.9 | 243.7 | 214.9 | 207.7 | 202.4 | 195.5 | 196.7 | 197.3 | 199.7 |
| 27.5° | 564.0 | 437.5 | 301.2 | 235.1 | 203.9 | 196.4 | 191.1 | 184.8 | 186.3 | 187.2 | 189.9 |
| 30° | 534.2 | 423.8 | 288.4 | 225.3 | 193.4 | 184.8 | 180.9 | 175.6 | 176.2 | 177.4 | 180.3 |
| 32.5° | 506.5 | 409.2 | 273.2 | 217.3 | 183.0 | 174.4 | 171.4 | 165.5 | 166.4 | 167.6 | 170.8 |
| 35° | 479.1 | 393.1 | 255.3 | 207.7 | 173.5 | 164.9 | 162.5 | 155.6 | 156.2 | 158.0 | 161.6 |
| 37.5° | 449.7 | 376.2 | 240.8 | 198.2 | 164.3 | 155.3 | 153.0 | 145.8 | 146.4 | 148.5 | 152.7 |
| 40° | 418.7 | 359.5 | 226.5 | 188.1 | 154.5 | 145.5 | 143.4 | 135.7 | 136.3 | 138.7 | 143.1 |
| 42.5° | 387.5 | 341.4 | 215.5 | 175.0 | 144.3 | 134.8 | 132.7 | 125.6 | 126.5 | 129.2 | 133.6 |
| 45° | 358.6 | 319.6 | 208.3 | 160.4 | 134.8 | 124.1 | 122.0 | 115.5 | 117.3 | 120.2 | 124.7 |
| 47.5° | 333.9 | 297.3 | 205.3 | 148.2 | 124.7 | 113.1 | 111.3 | 105.9 | 108.9 | 112.2 | 115.8 |
| 50° | 312.8 | 275.9 | 201.5 | 135.7 | 115.2 | 103.6 | 101.8 | 98.2 | 102.1 | 105.4 | 108.6 |
| 52.5° | 297.6 | 251.5 | 193.1 | 124.4 | 106.8 | 95.5 | 94.9 | 93.1 | 96.7 | 99.7 | 102.7 |
| 55° | 284.5 | 226.2 | 179.8 | 114.6 | 99.4 | 88.7 | 89.3 | 88.4 | 91.4 | 93.7 | 96.4 |
| 57.5° | 272.6 | 204.2 | 162.8 | 106.8 | 91.4 | 82.7 | 84.5 | 83.3 | 84.8 | 86.3 | 89.6 |
| 60° | 258.3 | 181.8 | 142.6 | 98.2 | 81.8 | 76.8 | 78.9 | 75.6 | 75.3 | 75.9 | 76.8 |
| 62.5° | 237.2 | 151.8 | 121.4 | 87.5 | 73.5 | 70.2 | 71.1 | 64.9 | 60.1 | 60.1 | 61.0 |
| 65° | *207.7* | *122.0* | *101.8* | *75.6* | *64.0* | *61.3* | *60.7* | *51.8* | *45.2* | *44.6* | *47.3* |
| 67.5° | 173.5 | 100.3 | 84.5 | 63.7 | 53.3 | 51.5 | 52.1 | 45.5 | 39.0 | 38.4 | 41.4 |
| 70° | 141.4 | 83.0 | 68.2 | 50.9 | 41.1 | 42.9 | 45.5 | 39.0 | 32.7 | 31.8 | 34.5 |
| 72.5° | 114.9 | 66.1 | 53.3 | 39.0 | 30.4 | 35.4 | 38.7 | 31.8 | 25.9 | 25.3 | 27.7 |
| 75° | 88.7 | 48.5 | 38.1 | 26.5 | 22.0 | 27.4 | 30.4 | 23.2 | 18.5 | 17.6 | 19.6 |
| 77.5° | 59.2 | 30.1 | 21.4 | 16.7 | 13.1 | 18.7 | 20.2 | 12.2 | 10.7 | 10.4 | 11.9 |
| 80° | 36.0 | 14.0 | 9.2 | 8.0 | 4.5 | 6.8 | 8.0 | 5.1 | 5.7 | 6.0 | 7.1 |
| 82.5° | 18.2 | 3.9 | 1.5 | 0.3 | 0.0 | 0.0 | 2.4 | 1.2 | 2.4 | 3.0 | 4.5 |
| 85° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.5 | 2.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 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):**

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 |
| 2.5° | 542.2 | 554.7 | 566.6 | 585.7 | 605.3 | 624.7 | 644.3 | 663.4 | 670.2 | 675.3 | 686.6 |
| 5° | 479.7 | 503.2 | 530.6 | 568.4 | 608.9 | 650.6 | 692.8 | 731.5 | 749.1 | 761.0 | 787.8 |
| 7.5° | 415.2 | 445.8 | 485.1 | 541.9 | 605.3 | 671.7 | 738.1 | 799.1 | 827.3 | 850.3 | 891.0 |
| 10° | 351.2 | 384.5 | 434.2 | 499.1 | 584.8 | 680.0 | 771.7 | 855.6 | 892.2 | 921.1 | 976.4 |
| 12.5° | 294.9 | 326.2 | 378.3 | 450.0 | 552.6 | 673.5 | 791.0 | 891.9 | 935.1 | 967.5 | 1028.2 |
| 15° | 255.3 | 277.4 | 323.5 | 400.9 | 514.6 | 652.3 | 792.2 | 909.2 | 956.5 | 990.4 | 1043.1 |
| 17.5° | 233.3 | 240.8 | 270.8 | 350.9 | 472.3 | 624.7 | 781.2 | 915.1 | 965.7 | 997.3 | 1033.9 |
| 20° | 221.4 | 222.6 | 230.9 | 286.0 | 418.1 | 598.8 | 770.8 | 921.1 | 974.4 | 1000.8 | 1011.8 |
| 22.5° | 211.9 | 211.9 | 214.0 | 233.9 | 348.2 | 567.8 | 767.5 | 931.5 | 986.3 | 1002.6 | 980.0 |
| 25° | 203.3 | 203.3 | 203.9 | 209.2 | 275.9 | 520.5 | 765.4 | 947.6 | 1002.6 | 1007.1 | 944.9 |
| 27.5° | 194.3 | 194.6 | 194.6 | 197.6 | 222.3 | 456.2 | 756.5 | 968.4 | 1022.3 | 1013.0 | 911.3 |
| 30° | 185.4 | 186.0 | 186.0 | 188.1 | 196.7 | 380.9 | 738.9 | 993.4 | 1047.9 | 1020.8 | 877.9 |
| 32.5° | 176.5 | 177.1 | 177.1 | 178.9 | 185.1 | 304.2 | 716.9 | 1016.3 | 1073.8 | 1024.1 | 847.0 |
| 35° | 167.3 | 168.1 | 167.6 | 169.9 | 176.5 | 242.0 | 689.0 | 1039.2 | 1101.7 | 1034.5 | 831.8 |
| 37.5° | 158.0 | 158.6 | 158.3 | 160.7 | 168.1 | 208.9 | 656.5 | 1056.5 | 1139.8 | 1057.7 | 850.0 |
| 40° | 148.8 | 148.5 | 148.5 | 151.2 | 159.2 | 199.4 | 615.7 | 1083.9 | 1194.6 | 1098.5 | 929.1 |
| 42.5° | 139.3 | 139.3 | 138.7 | 141.7 | 151.5 | 192.3 | 576.8 | 1133.0 | 1274.3 | 1163.3 | 1069.6 |
| 45° | 130.6 | 130.4 | 129.2 | 131.8 | 144.0 | 179.8 | 563.1 | 1224.6 | 1392.2 | 1268.4 | 1239.5 |
| 47.5° | 122.3 | 122.0 | 119.0 | 121.4 | 135.1 | 168.4 | 614.3 | 1374.6 | 1555.6 | 1422.8 | 1398.7 |
| 50° | 114.9 | 115.2 | 109.5 | 111.6 | 126.2 | 159.8 | 725.3 | 1569.3 | 1772.5 | 1630.9 | 1549.6 |
| 52.5° | 108.0 | 108.0 | 100.6 | 101.8 | 115.2 | 152.1 | 830.9 | 1780.3 | 2058.8 | 1921.0 | 1725.5 |
| 55° | 101.2 | 100.6 | 92.3 | 92.9 | 104.2 | 141.1 | 846.7 | 1986.2 | 2449.3 | 2357.6 | 1966.0 |
| 57.5° | 93.4 | 92.3 | 84.5 | 84.5 | 94.0 | 133.0 | 733.9 | 2144.5 | 2933.8 | 2999.2 | 2312.7 |
| 60° | 83.9 | 83.0 | 78.0 | 76.5 | 86.0 | 140.2 | 517.8 | 2163.0 | 3246.3 | 3852.5 | 2976.6 |
| 62.5° | 71.7 | 72.9 | 70.2 | 68.2 | 78.3 | 145.5 | 306.8 | 2014.5 | 3170.7 | 4123.9 | 3771.8 |
| 65° | *56.5* | *61.3* | *60.7* | *59.2* | *86.0* | *122.6* | *181.2* | *1729.4* | *2938.8* | *3904.8* | *3609.6* |
| 67.5° | 48.2 | 51.5 | 50.6 | 50.6 | 90.2 | 93.1 | 114.0 | 1351.1 | 2619.8 | 3645.0 | 3224.2 |
| 70° | 41.1 | 44.3 | 41.1 | 41.1 | 68.2 | 56.5 | 78.9 | 943.4 | 2275.5 | 3357.6 | 2971.3 |
| 72.5° | 33.9 | 37.2 | 33.6 | 31.2 | 54.5 | 42.3 | 57.7 | 589.6 | 1948.7 | 3058.2 | 2798.1 |
| 75° | 25.9 | 29.8 | 27.1 | 24.1 | 36.0 | 31.5 | 43.7 | 342.5 | 1614.5 | 2616.5 | 2551.3 |
| 77.5° | 16.4 | 21.4 | 20.2 | 17.0 | 26.5 | 22.9 | 31.5 | 203.9 | 1245.8 | 2044.5 | 2194.5 |
| 80° | 10.1 | 11.0 | 11.3 | 10.7 | 15.2 | 15.5 | 21.4 | 116.1 | 852.6 | 1424.9 | 1714.5 |
| 82.5° | 6.5 | 6.5 | 5.1 | 5.7 | 7.4 | 8.9 | 12.2 | 43.7 | 501.2 | 867.5 | 1193.4 |
| 85° | 4.8 | 4.2 | 2.7 | 2.7 | 3.6 | 4.5 | 4.8 | 13.4 | 203.3 | 342.5 | 466.6 |
| 87.5° | 2.4 | 2.1 | 0.9 | 1.2 | 1.8 | 1.5 | 1.2 | 0.6 | 51.2 | 109.5 | 76.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1201488
CATALOG NUMBER: GWC-SB1B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|
| 0° | 598.2 | 598.2 | *598.2* | 598.2 | 598.2 | 598.2 | 598.2 | 598.2 |
| 2.5° | 692.5 | 701.7 | *702.3* | 702.3 | 694.3 | 694.0 | 677.6 | 675.9 |
| 5° | 815.4 | 821.4 | *822.9* | 819.9 | 803.8 | 791.9 | 760.1 | 753.2 |
| 7.5° | 927.9 | 939.8 | *939.8* | 932.7 | 906.5 | 882.1 | 836.0 | 818.7 |
| 10° | 1017.8 | 1031.5 | *1028.5* | 1013.9 | 980.9 | 947.3 | 891.3 | 868.7 |
| 12.5° | 1061.5 | 1075.5 | *1067.8* | 1051.1 | 1019.0 | 983.6 | 924.7 | 899.1 |
| 15° | 1060.7 | 1056.8 | *1048.8* | 1046.7 | 1031.2 | 1004.4 | 949.4 | 921.4 |
| 17.5° | 1022.9 | 990.1 | *983.9* | 1004.7 | 1024.3 | 1017.8 | 970.8 | 944.6 |
| 20° | 963.0 | 905.9 | *900.2* | 940.1 | 996.1 | 1024.6 | 990.7 | 966.6 |
| 22.5° | 900.0 | 838.3 | *825.3* | 869.3 | 953.5 | 1026.7 | 1016.0 | 991.9 |
| 25° | 840.1 | 778.2 | *765.1* | 806.2 | 906.2 | 1023.2 | 1043.4 | 1022.9 |
| 27.5° | 790.1 | 730.3 | *718.1* | 759.2 | 860.7 | 1013.0 | 1070.8 | 1056.2 |
| 30° | 751.4 | 696.1 | *687.2* | 726.7 | 821.4 | 1000.5 | 1105.6 | 1097.6 |
| 32.5° | 728.8 | 688.4 | *691.6* | 724.1 | 800.3 | 986.9 | 1138.9 | 1142.8 |
| 35° | 751.1 | 752.9 | *781.5* | 794.9 | 819.9 | 984.8 | 1184.2 | 1199.3 |
| 37.5° | 862.2 | 924.1 | *983.3* | 972.3 | 916.0 | 1008.9 | 1251.7 | 1280.0 |
| 40° | 1051.1 | 1178.2 | *1274.3* | 1232.4 | 1090.7 | 1082.7 | 1349.0 | 1391.3 |
| 42.5° | 1282.1 | 1497.5 | *1655.9* | 1543.4 | 1316.0 | 1211.8 | 1488.0 | 1541.9 |
| 45° | 1525.8 | 1891.3 | *2140.7* | 1906.7 | 1556.2 | 1392.8 | 1698.4 | 1740.7 |
| 47.5° | 1782.6 | 2369.8 | *2692.4* | 2309.7 | 1778.8 | 1598.7 | 1985.3 | 1995.1 |
| 50° | 2063.6 | 2894.5 | *3254.9* | 2712.4 | 1993.6 | 1834.7 | 2335.9 | 2324.6 |
| 52.5° | 2331.1 | 3434.0 | *3805.4* | 3116.8 | 2182.3 | 2127.6 | 2742.7 | 2719.5 |
| 55° | 2586.5 | 3973.3 | *4359.3* | 3505.5 | 2360.3 | 2514.4 | 3226.0 | 3085.5 |
| 57.5° | 2882.6 | 4458.1 | *4930.1* | 3895.9 | 2609.1 | 3016.8 | 3766.5 | 3298.0 |
| 60° | 3320.4 | 5009.0 | *5575.6* | 4431.0 | 3082.3 | 3544.7 | 3960.2 | 3257.6 |
| 62.5° | 3879.3 | 5515.5 | *6044.9* | 4955.4 | 3557.5 | 3644.1 | 3674.8 | 2945.7 |
| 65° | *3987.9* | *5643.7* | *6071.4* | *5095.6* | *3496.2* | *3091.2* | *3000.1* | *2367.7* |
| 67.5° | 3699.8 | 5411.9 | *5701.2* | 4834.6 | 3092.7 | 2388.9 | 2251.4 | 1717.8 |
| 70° | 3376.6 | 4970.0 | *5056.0* | 4390.8 | 2720.1 | 1757.0 | 1520.5 | 1102.3 |
| 72.5° | 3045.4 | 4380.4 | *4202.5* | 3813.2 | 2390.6 | 1279.4 | 1096.7 | 783.6 |
| 75° | 2651.9 | 3605.2 | *3310.2* | 3168.3 | 1979.4 | 1004.1 | 793.4 | 540.7 |
| 77.5° | 2123.7 | 2537.7 | *2458.8* | 2455.8 | 1487.4 | 733.6 | 529.4 | 339.0 |
| 80° | 1498.1 | 1646.9 | *1606.8* | 1849.6 | 997.9 | 532.1 | 318.7 | 188.7 |
| 82.5° | 725.3 | 910.7 | *934.8* | 1101.4 | 485.4 | 313.1 | 73.5 | 41.1 |
| 85° | 283.9 | 439.3 | *370.5* | 418.1 | 136.3 | 87.2 | 1.8 | 0.0 |
| 87.5° | 31.8 | 50.9 | *46.7* | 36.9 | 16.7 | 3.6 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.13

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

## Test Information

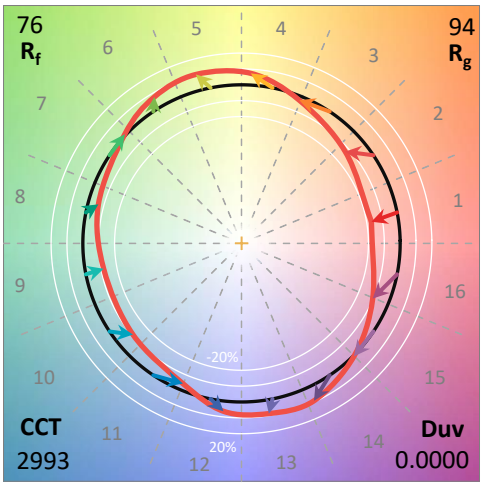
| | |
|---|---|
| Test Method: | LM-79-2008 |
| Report Number: | SP1-1908-441-2-R4 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/28/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | **SA1C-730-U-5WQ** |
| Description: | McGRAW EDISON ROADWAY AND AREA LUMINAIRE |

***THIS IS A REVISION OF SP1-1908-441-2-R3. TO UPDATE THE CATALOG INFORMATION.***TESTED IN SITU. (1) 70 CRI, 3000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 2993 | CRI (Ra): | 71.8 | | |
| CIE u': | 0.2508 | R1: | 67.5 | R9: | -38.3 |
| CIE v': | 0.5215 | R2: | 82.9 | R10: | 62.5 |
| Duv: | 0.0000 | R3: | 94.7 | R11: | 63.7 |
| CIE x: | 0.4374 | R4: | 67.7 | R12: | 57.8 |
| CIE y: | 0.4043 | R5: | 67.9 | R13: | 70.4 |
| CIE z: | 0.1583 | R6: | 77.6 | R14: | 97.3 |
| Peak Wavelength (nm): | 593 | R7: | 76.0 | | |
| Dominant Wavelength (nm): | 582 | R8: | 40.5 | | |
| Purity: | 53 | | | | |

| | |
|---|---|
| Rf: | 75.7 |
| Rg: | 93.9 |




## Test Conditions

| | |
|---|---|
| Stabilization Time: | 53M |
| Operation Time: | 12H |
| Room Temperature (°C) / RH%: | 25.0./44% |
| Sphere Temperature (°C): | 25.7 |

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

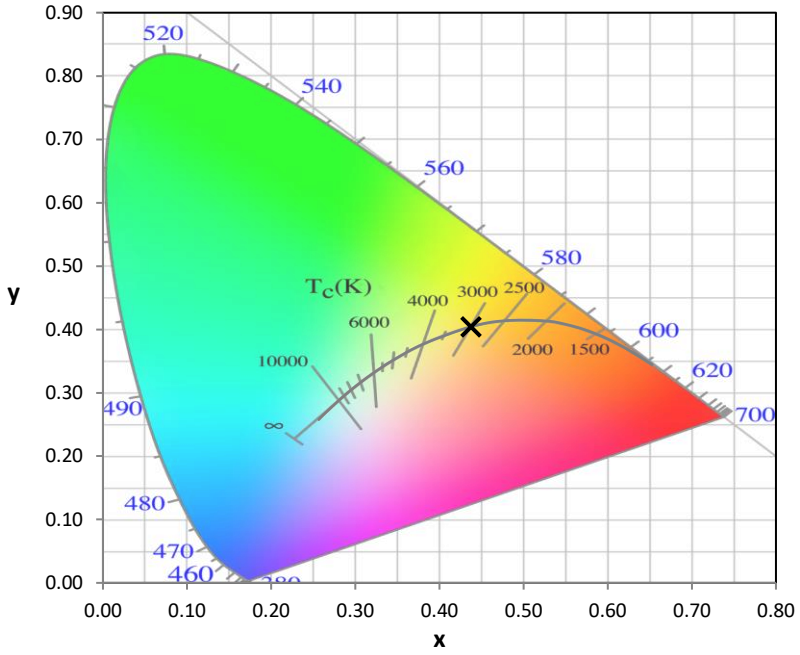
REPORT NUMBER: SP1-1908-441-2-R4

| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/28/2019 | 12/28/2019 |
| Power Meter | IN0071 | 12/5/2018 | 12/5/2019 |
| AC Power Source | IN0063 | 12/5/2018 | 12/5/2019 |
| DC Power Source | IN0208 | 12/5/2018 | 12/5/2019 |
| Sphere Thermometer | IN0085 | 12/5/2018 | 12/5/2019 |
| Room Thermometer | IN0046 | 12/5/2018 | 12/5/2019 |

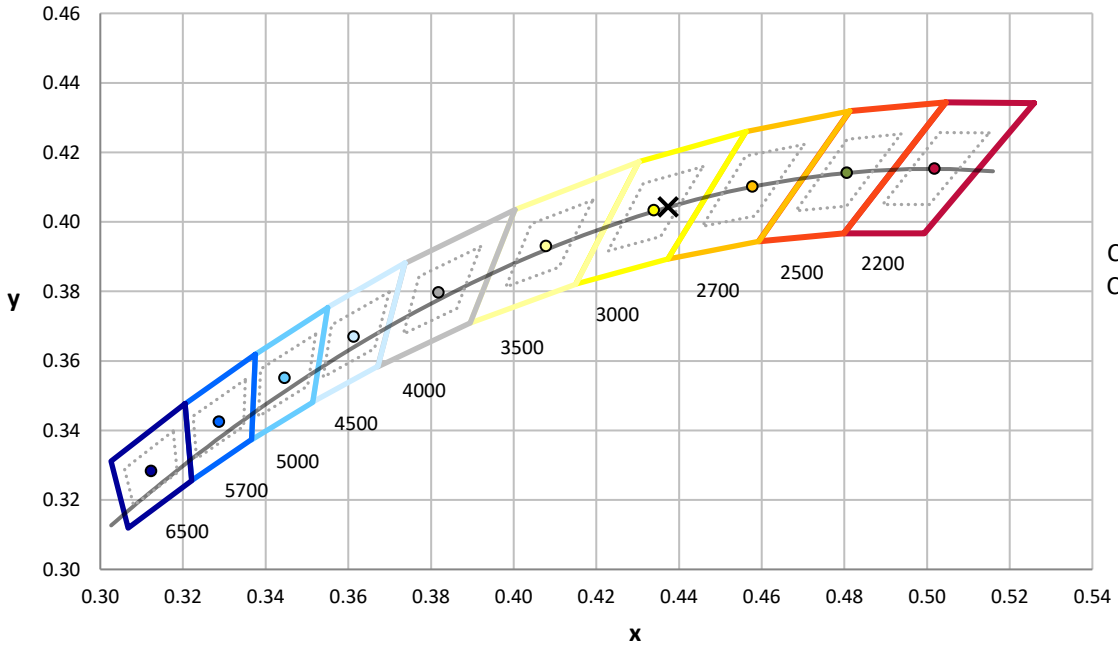
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-1908-441-2-R4

## CIE 1931 Chromaticity Diagram




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



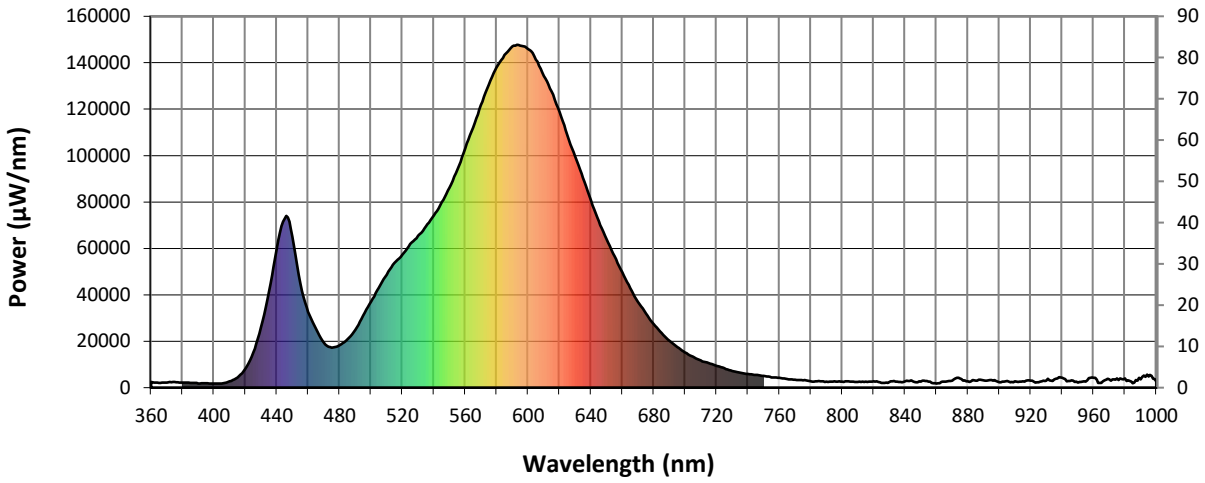

CCT = 2993K
CIE x = 0.4374
CIE y = 0.4043
Duv = 0.0000

Point lies inside the ANSI 3000K 4-step quadrangle

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

REPORT NUMBER: SP1-1908-441-2-R4

## Photopic Flux vs. Wavelength



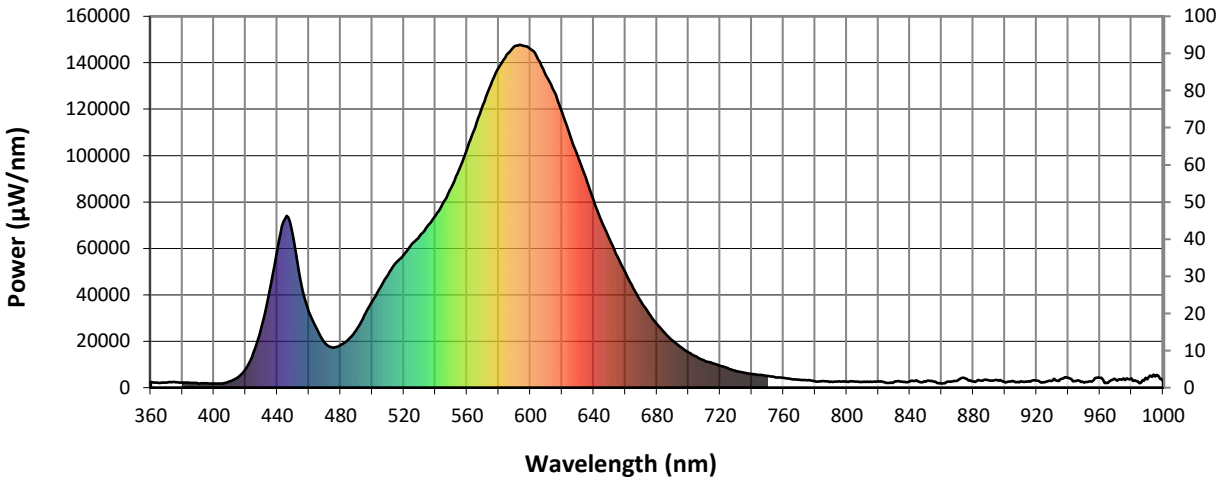

######

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 2397 | NR | 490 | 24908 | NR | 620 | 118784 | NR | 750 | 5037 | NR | 880 | 2677 | NR |
| 365 | 2084 | NR | 495 | 30998 | NR | 625 | 108951 | NR | 755 | 4413 | NR | 885 | 2940 | NR |
| 370 | 2143 | NR | 500 | 37103 | NR | 630 | 99573 | NR | 760 | 4189 | NR | 890 | 3116 | NR |
| 375 | 2413 | NR | 505 | 42987 | NR | 635 | 90444 | NR | 765 | 3677 | NR | 895 | 3345 | NR |
| 380 | 2172 | NR | 510 | 48702 | NR | 640 | 80749 | NR | 770 | 3366 | NR | 900 | 2312 | NR |
| 385 | 1997 | NR | 515 | 53741 | NR | 645 | 71664 | NR | 775 | 3211 | NR | 905 | 2829 | NR |
| 390 | 1830 | NR | 520 | 57283 | NR | 650 | 63936 | NR | 780 | 2682 | NR | 910 | 2783 | NR |
| 395 | 1861 | NR | 525 | 61876 | NR | 655 | 56611 | NR | 785 | 2804 | NR | 915 | 2662 | NR |
| 400 | 1717 | NR | 530 | 65398 | NR | 660 | 49763 | NR | 790 | 2581 | NR | 920 | 3047 | NR |
| 405 | 1761 | NR | 535 | 69597 | NR | 665 | 42891 | NR | 795 | 2711 | NR | 925 | 2256 | NR |
| 410 | 2680 | NR | 540 | 74214 | NR | 670 | 36939 | NR | 800 | 2609 | NR | 930 | 2976 | NR |
| 415 | 4374 | NR | 545 | 79911 | NR | 675 | 31946 | NR | 805 | 2581 | NR | 935 | 3503 | NR |
| 420 | 8071 | NR | 550 | 86153 | NR | 680 | 27385 | NR | 810 | 2404 | NR | 940 | 4226 | NR |
| 425 | 15169 | NR | 555 | 93952 | NR | 685 | 23504 | NR | 815 | 2556 | NR | 945 | 2930 | NR |
| 430 | 26038 | NR | 560 | 102904 | NR | 690 | 20210 | NR | 820 | 2742 | NR | 950 | 2115 | NR |
| 435 | 41316 | NR | 565 | 112009 | NR | 695 | 17459 | NR | 825 | 2014 | NR | 955 | 2634 | NR |
| 440 | 59674 | NR | 570 | 121662 | NR | 700 | 15207 | NR | 830 | 2488 | NR | 960 | 4200 | NR |
| 445 | 72751 | NR | 575 | 130476 | NR | 705 | 13322 | NR | 835 | 2625 | NR | 965 | 1982 | NR |
| 450 | 65091 | NR | 580 | 137926 | NR | 710 | 11676 | NR | 840 | 2754 | NR | 970 | 3613 | NR |
| 455 | 44894 | NR | 585 | 143406 | NR | 715 | 10626 | NR | 845 | 2708 | NR | 975 | 4034 | NR |
| 460 | 32712 | NR | 590 | 147039 | NR | 720 | 9416 | NR | 850 | 2608 | NR | 980 | 3922 | NR |
| 465 | 25296 | NR | 595 | 147365 | NR | 725 | 8333 | NR | 855 | 2605 | NR | 985 | 1909 | NR |
| 470 | 19318 | NR | 600 | 145800 | NR | 730 | 7134 | NR | 860 | 1765 | NR | 990 | 3617 | NR |
| 475 | 17265 | NR | 605 | 141363 | NR | 735 | 6437 | NR | 865 | 2581 | NR | 995 | 4767 | NR |
| 480 | 18260 | NR | 610 | 134199 | NR | 740 | 5834 | NR | 870 | 3016 | NR | 1000 | 2528 | NR |
| 485 | 20845 | NR | 615 | 127683 | NR | 745 | 5500 | NR | 875 | 3952 | NR | | | |

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

REPORT NUMBER: SP1-1908-441-2-R4

## Scotopic Flux vs. Wavelength



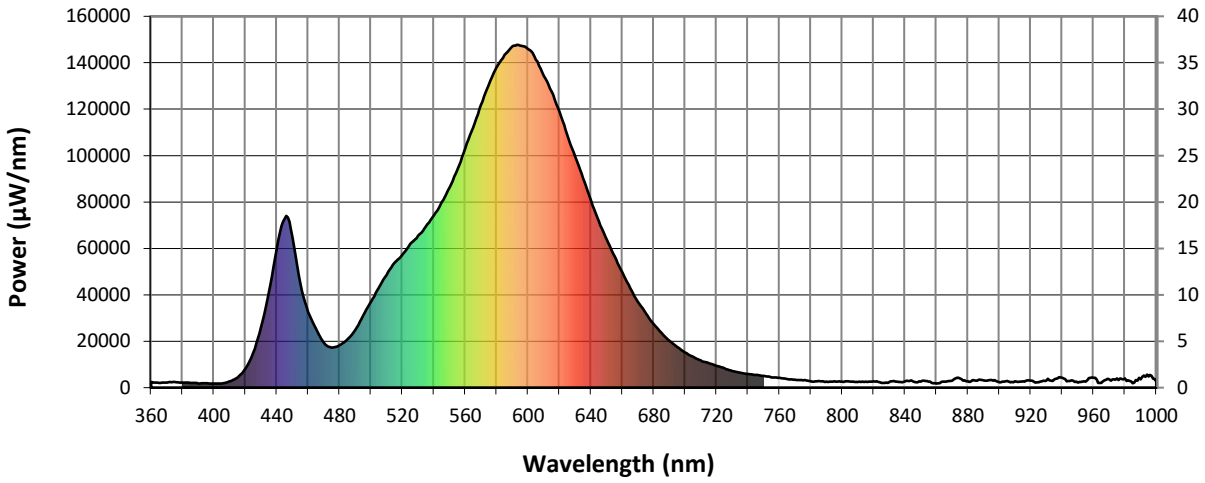

**Scotopic Lumens: 8494.8** **S/P: 1.23**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 2397 | NR | 490 | 24908 | NR | 620 | 118784 | NR | 750 | 5037 | NR | 880 | 2677 | NR |
| 365 | 2084 | NR | 495 | 30998 | NR | 625 | 108951 | NR | 755 | 4413 | NR | 885 | 2940 | NR |
| 370 | 2143 | NR | 500 | 37103 | NR | 630 | 99573 | NR | 760 | 4189 | NR | 890 | 3116 | NR |
| 375 | 2413 | NR | 505 | 42987 | NR | 635 | 90444 | NR | 765 | 3677 | NR | 895 | 3345 | NR |
| 380 | 2172 | NR | 510 | 48702 | NR | 640 | 80749 | NR | 770 | 3366 | NR | 900 | 2312 | NR |
| 385 | 1997 | NR | 515 | 53741 | NR | 645 | 71664 | NR | 775 | 3211 | NR | 905 | 2829 | NR |
| 390 | 1830 | NR | 520 | 57283 | NR | 650 | 63936 | NR | 780 | 2682 | NR | 910 | 2783 | NR |
| 395 | 1861 | NR | 525 | 61876 | NR | 655 | 56611 | NR | 785 | 2804 | NR | 915 | 2662 | NR |
| 400 | 1717 | NR | 530 | 65398 | NR | 660 | 49763 | NR | 790 | 2581 | NR | 920 | 3047 | NR |
| 405 | 1761 | NR | 535 | 69597 | NR | 665 | 42891 | NR | 795 | 2711 | NR | 925 | 2256 | NR |
| 410 | 2680 | NR | 540 | 74214 | NR | 670 | 36939 | NR | 800 | 2609 | NR | 930 | 2976 | NR |
| 415 | 4374 | NR | 545 | 79911 | NR | 675 | 31946 | NR | 805 | 2581 | NR | 935 | 3503 | NR |
| 420 | 8071 | NR | 550 | 86153 | NR | 680 | 27385 | NR | 810 | 2404 | NR | 940 | 4226 | NR |
| 425 | 15169 | NR | 555 | 93952 | NR | 685 | 23504 | NR | 815 | 2556 | NR | 945 | 2930 | NR |
| 430 | 26038 | NR | 560 | 102904 | NR | 690 | 20210 | NR | 820 | 2742 | NR | 950 | 2115 | NR |
| 435 | 41316 | NR | 565 | 112009 | NR | 695 | 17459 | NR | 825 | 2014 | NR | 955 | 2634 | NR |
| 440 | 59674 | NR | 570 | 121662 | NR | 700 | 15207 | NR | 830 | 2488 | NR | 960 | 4200 | NR |
| 445 | 72751 | NR | 575 | 130476 | NR | 705 | 13322 | NR | 835 | 2625 | NR | 965 | 1982 | NR |
| 450 | 65091 | NR | 580 | 137926 | NR | 710 | 11676 | NR | 840 | 2754 | NR | 970 | 3613 | NR |
| 455 | 44894 | NR | 585 | 143406 | NR | 715 | 10626 | NR | 845 | 2708 | NR | 975 | 4034 | NR |
| 460 | 32712 | NR | 590 | 147039 | NR | 720 | 9416 | NR | 850 | 2608 | NR | 980 | 3922 | NR |
| 465 | 25296 | NR | 595 | 147365 | NR | 725 | 8333 | NR | 855 | 2605 | NR | 985 | 1909 | NR |
| 470 | 19318 | NR | 600 | 145800 | NR | 730 | 7134 | NR | 860 | 1765 | NR | 990 | 3617 | NR |
| 475 | 17265 | NR | 605 | 141363 | NR | 735 | 6437 | NR | 865 | 2581 | NR | 995 | 4767 | NR |
| 480 | 18260 | NR | 610 | 134199 | NR | 740 | 5834 | NR | 870 | 3016 | NR | 1000 | 2528 | NR |
| 485 | 20845 | NR | 615 | 127683 | NR | 745 | 5500 | NR | 875 | 3952 | NR | | | |

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

REPORT NUMBER: SP1-1908-441-2-R4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: 3101.5** **M/P: 0.45**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 2397 | NR | 490 | 24908 | NR | 620 | 118784 | NR | 750 | 5037 | NR | 880 | 2677 | NR |
| 365 | 2084 | NR | 495 | 30998 | NR | 625 | 108951 | NR | 755 | 4413 | NR | 885 | 2940 | NR |
| 370 | 2143 | NR | 500 | 37103 | NR | 630 | 99573 | NR | 760 | 4189 | NR | 890 | 3116 | NR |
| 375 | 2413 | NR | 505 | 42987 | NR | 635 | 90444 | NR | 765 | 3677 | NR | 895 | 3345 | NR |
| 380 | 2172 | NR | 510 | 48702 | NR | 640 | 80749 | NR | 770 | 3366 | NR | 900 | 2312 | NR |
| 385 | 1997 | NR | 515 | 53741 | NR | 645 | 71664 | NR | 775 | 3211 | NR | 905 | 2829 | NR |
| 390 | 1830 | NR | 520 | 57283 | NR | 650 | 63936 | NR | 780 | 2682 | NR | 910 | 2783 | NR |
| 395 | 1861 | NR | 525 | 61876 | NR | 655 | 56611 | NR | 785 | 2804 | NR | 915 | 2662 | NR |
| 400 | 1717 | NR | 530 | 65398 | NR | 660 | 49763 | NR | 790 | 2581 | NR | 920 | 3047 | NR |
| 405 | 1761 | NR | 535 | 69597 | NR | 665 | 42891 | NR | 795 | 2711 | NR | 925 | 2256 | NR |
| 410 | 2680 | NR | 540 | 74214 | NR | 670 | 36939 | NR | 800 | 2609 | NR | 930 | 2976 | NR |
| 415 | 4374 | NR | 545 | 79911 | NR | 675 | 31946 | NR | 805 | 2581 | NR | 935 | 3503 | NR |
| 420 | 8071 | NR | 550 | 86153 | NR | 680 | 27385 | NR | 810 | 2404 | NR | 940 | 4226 | NR |
| 425 | 15169 | NR | 555 | 93952 | NR | 685 | 23504 | NR | 815 | 2556 | NR | 945 | 2930 | NR |
| 430 | 26038 | NR | 560 | 102904 | NR | 690 | 20210 | NR | 820 | 2742 | NR | 950 | 2115 | NR |
| 435 | 41316 | NR | 565 | 112009 | NR | 695 | 17459 | NR | 825 | 2014 | NR | 955 | 2634 | NR |
| 440 | 59674 | NR | 570 | 121662 | NR | 700 | 15207 | NR | 830 | 2488 | NR | 960 | 4200 | NR |
| 445 | 72751 | NR | 575 | 130476 | NR | 705 | 13322 | NR | 835 | 2625 | NR | 965 | 1982 | NR |
| 450 | 65091 | NR | 580 | 137926 | NR | 710 | 11676 | NR | 840 | 2754 | NR | 970 | 3613 | NR |
| 455 | 44894 | NR | 585 | 143406 | NR | 715 | 10626 | NR | 845 | 2708 | NR | 975 | 4034 | NR |
| 460 | 32712 | NR | 590 | 147039 | NR | 720 | 9416 | NR | 850 | 2608 | NR | 980 | 3922 | NR |
| 465 | 25296 | NR | 595 | 147365 | NR | 725 | 8333 | NR | 855 | 2605 | NR | 985 | 1909 | NR |
| 470 | 19318 | NR | 600 | 145800 | NR | 730 | 7134 | NR | 860 | 1765 | NR | 990 | 3617 | NR |
| 475 | 17265 | NR | 605 | 141363 | NR | 735 | 6437 | NR | 865 | 2581 | NR | 995 | 4767 | NR |
| 480 | 18260 | NR | 610 | 134199 | NR | 740 | 5834 | NR | 870 | 3016 | NR | 1000 | 2528 | NR |
| 485 | 20845 | NR | 615 | 127683 | NR | 745 | 5500 | NR | 875 | 3952 | NR | | | |

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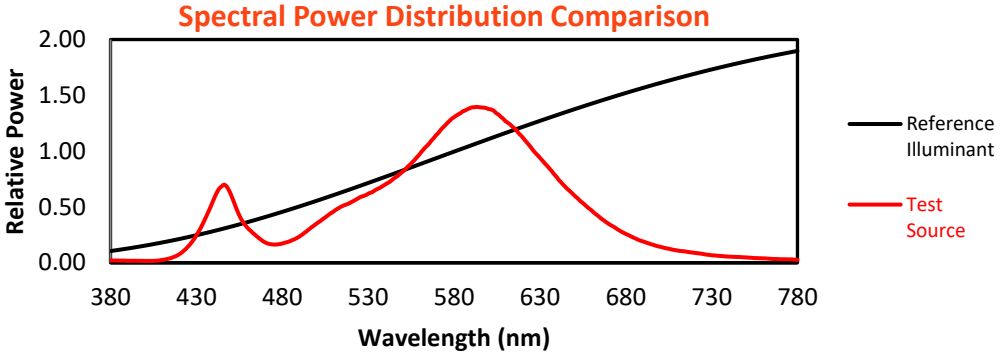
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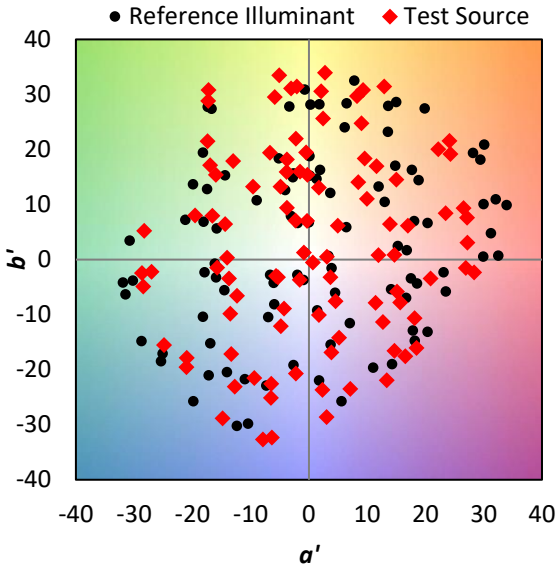
### Summary

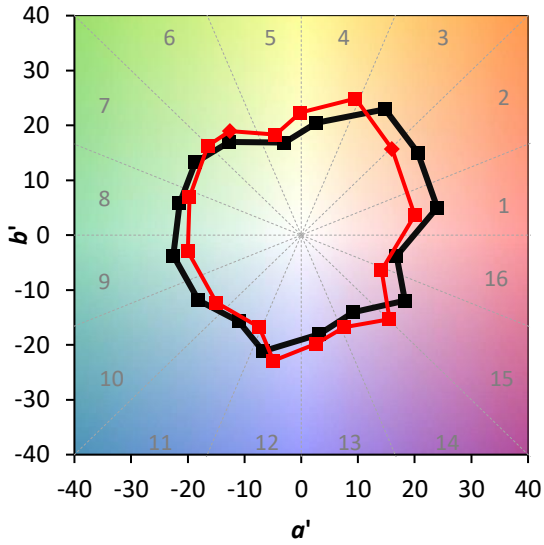
$R_f$ = 75.7
$R_g$ = 93.9
CIE $R_a$ = 71.8
$R_9$ = -38.3

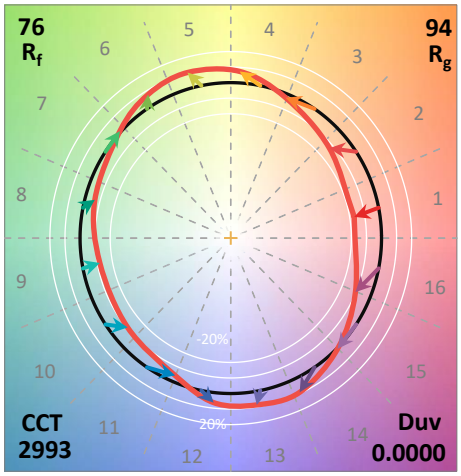
### Spectral Power Distribution Comparison

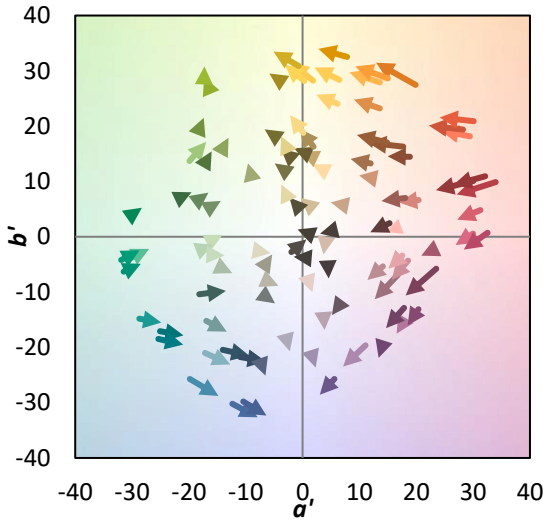



### Color Vector Graphics



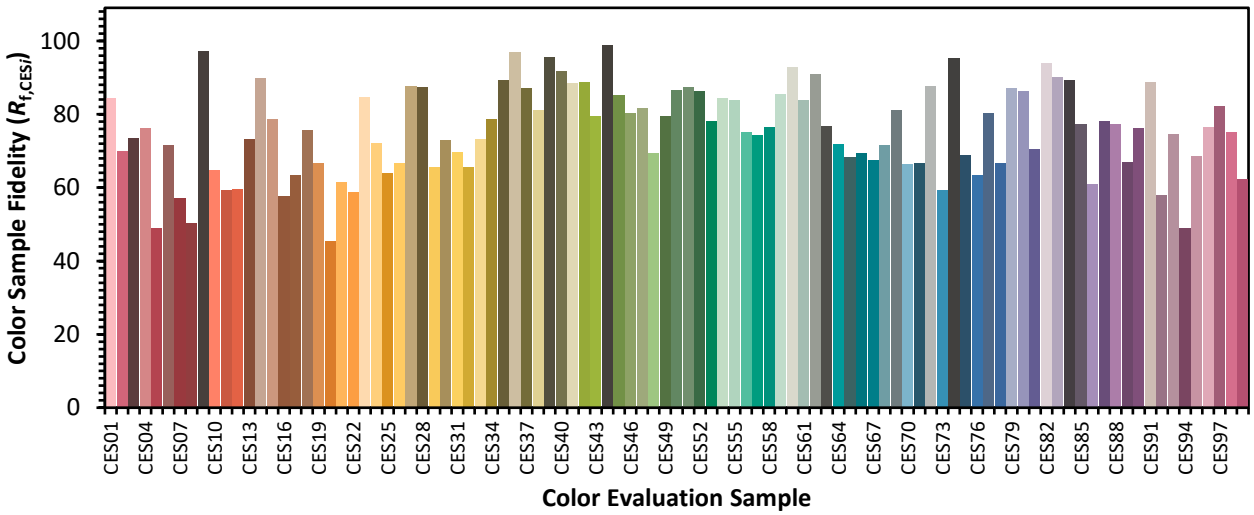
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## Individual Sample Fidelity Index ($R_{f,i}$)

| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 67 | CES51 = 87 | CES76 = 63 |
| CES02 = 63 | CES27 = 88 | CES52 = 86 | CES77 = 80 |
| CES03 = 31 | CES28 = 87 | CES53 = 78 | CES78 = 67 |
| CES04 = 71 | CES29 = 66 | CES54 = 84 | CES79 = 87 |
| CES05 = 49 | CES30 = 73 | CES55 = 84 | CES80 = 86 |
| CES06 = 51 | CES31 = 70 | CES56 = 75 | CES81 = 71 |
| CES07 = 41 | CES32 = 65 | CES57 = 74 | CES82 = 94 |
| CES08 = 40 | CES33 = 73 | CES58 = 76 | CES83 = 90 |
| CES09 = 29 | CES34 = 79 | CES59 = 85 | CES84 = 89 |
| CES10 = 76 | CES35 = 89 | CES60 = 93 | CES85 = 77 |
| CES11 = 59 | CES36 = 97 | CES61 = 84 | CES86 = 61 |
| CES12 = 65 | CES37 = 87 | CES62 = 91 | CES87 = 78 |
| CES13 = 43 | CES38 = 81 | CES63 = 77 | CES88 = 77 |
| CES14 = 74 | CES39 = 95 | CES64 = 72 | CES89 = 67 |
| CES15 = 71 | CES40 = 92 | CES65 = 68 | CES90 = 76 |
| CES16 = 47 | CES41 = 88 | CES66 = 69 | CES91 = 89 |
| CES17 = 50 | CES42 = 89 | CES67 = 67 | CES92 = 58 |
| CES18 = 56 | CES43 = 79 | CES68 = 72 | CES93 = 74 |
| CES19 = 73 | CES44 = 99 | CES69 = 81 | CES94 = 49 |
| CES20 = 66 | CES45 = 85 | CES70 = 66 | CES95 = 68 |
| CES21 = 87 | CES46 = 80 | CES71 = 67 | CES96 = 76 |
| CES22 = 79 | CES47 = 82 | CES72 = 88 | CES97 = 82 |
| CES23 = 92 | CES48 = 69 | CES73 = 59 | CES98 = 75 |
| CES24 = 91 | CES49 = 80 | CES74 = 95 | CES99 = 62 |
| CES25 = 73 | CES50 = 87 | CES75 = 69 | |

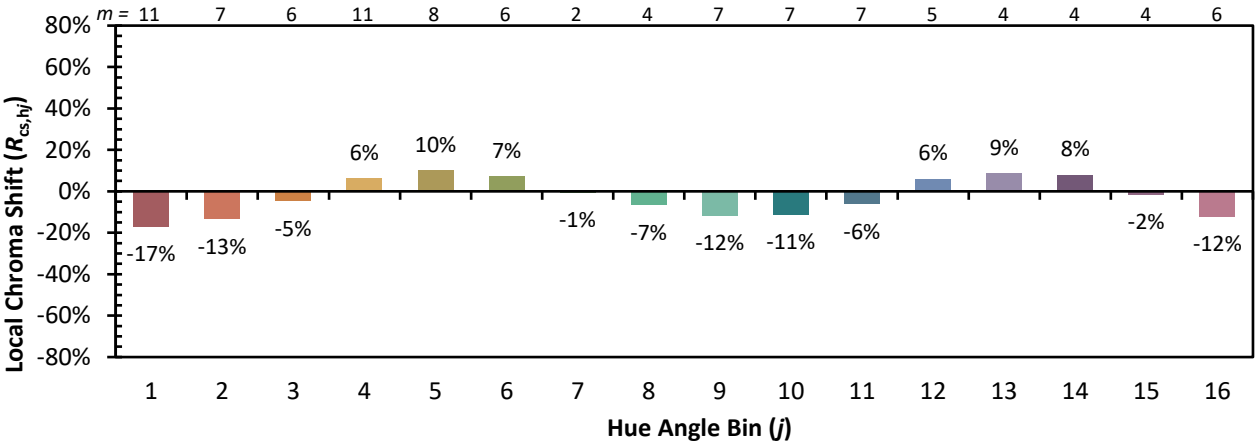


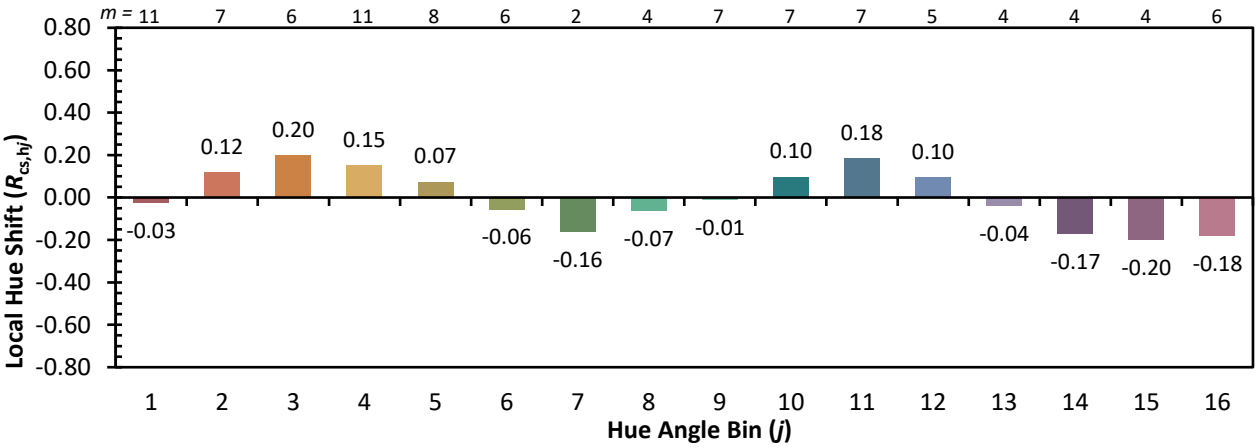
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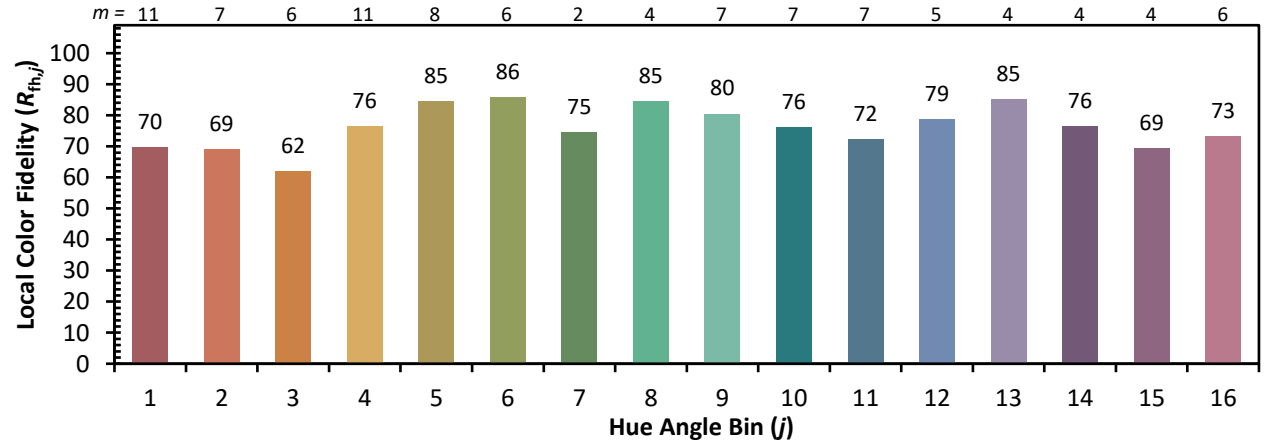
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### Color Rendition by Hue-Angle Bin



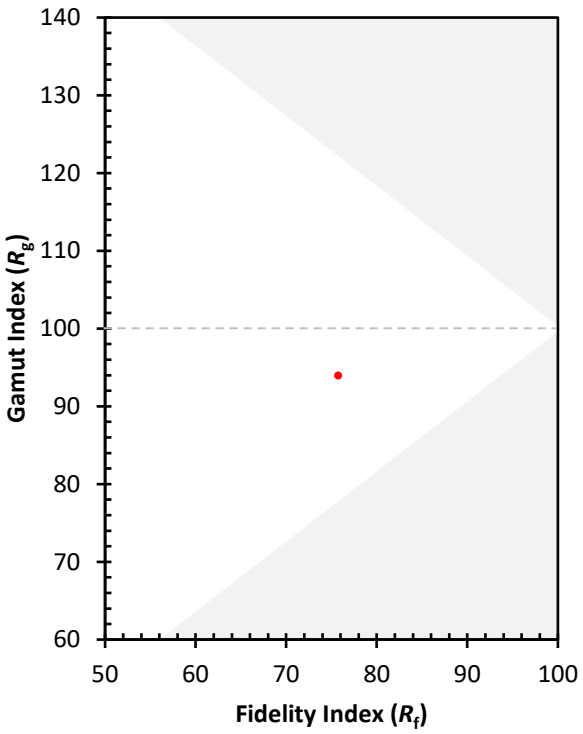



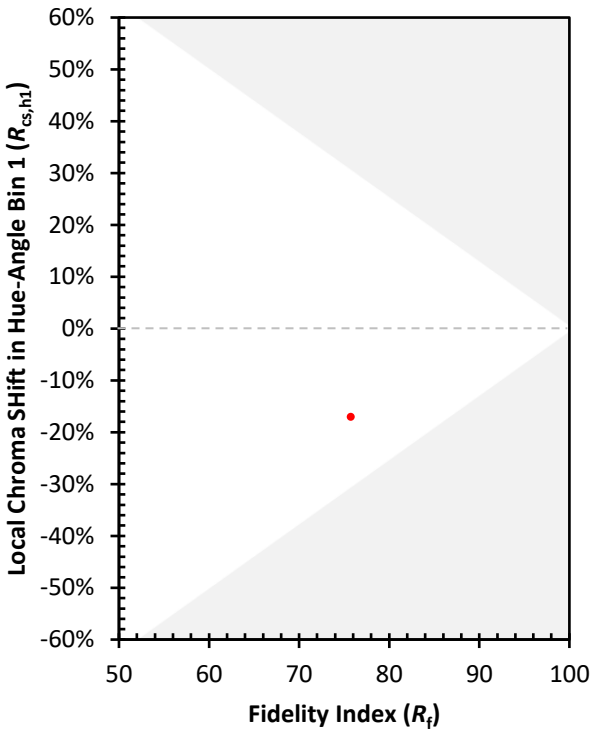
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### Measure Comparisons




(END OF REPORT)