

Signify Classified - Internal
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: P386701

Luminaire Tested: **GPC-SA2B-827-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GPC-SA2B-827-U-SLR
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7705 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G3

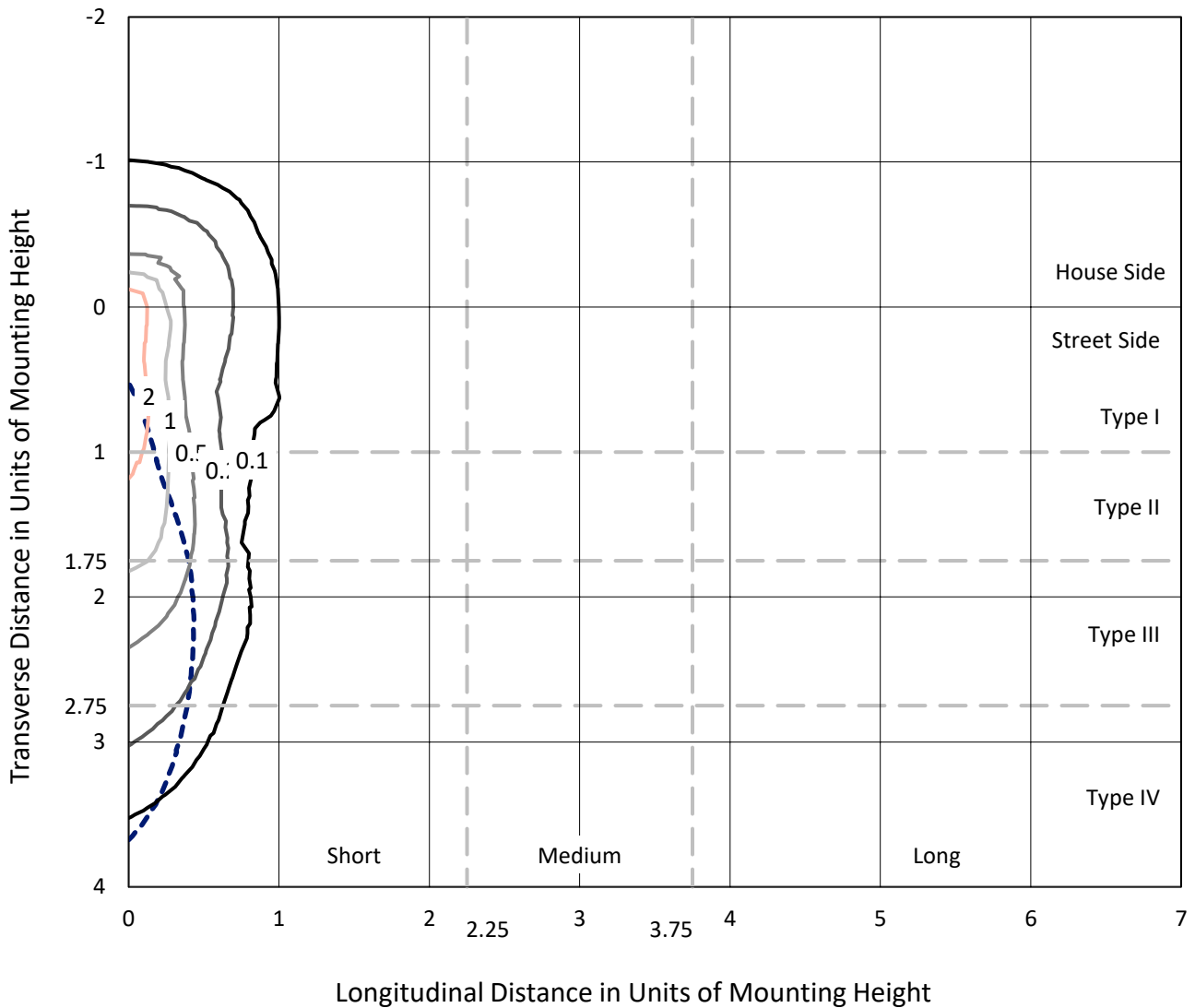
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

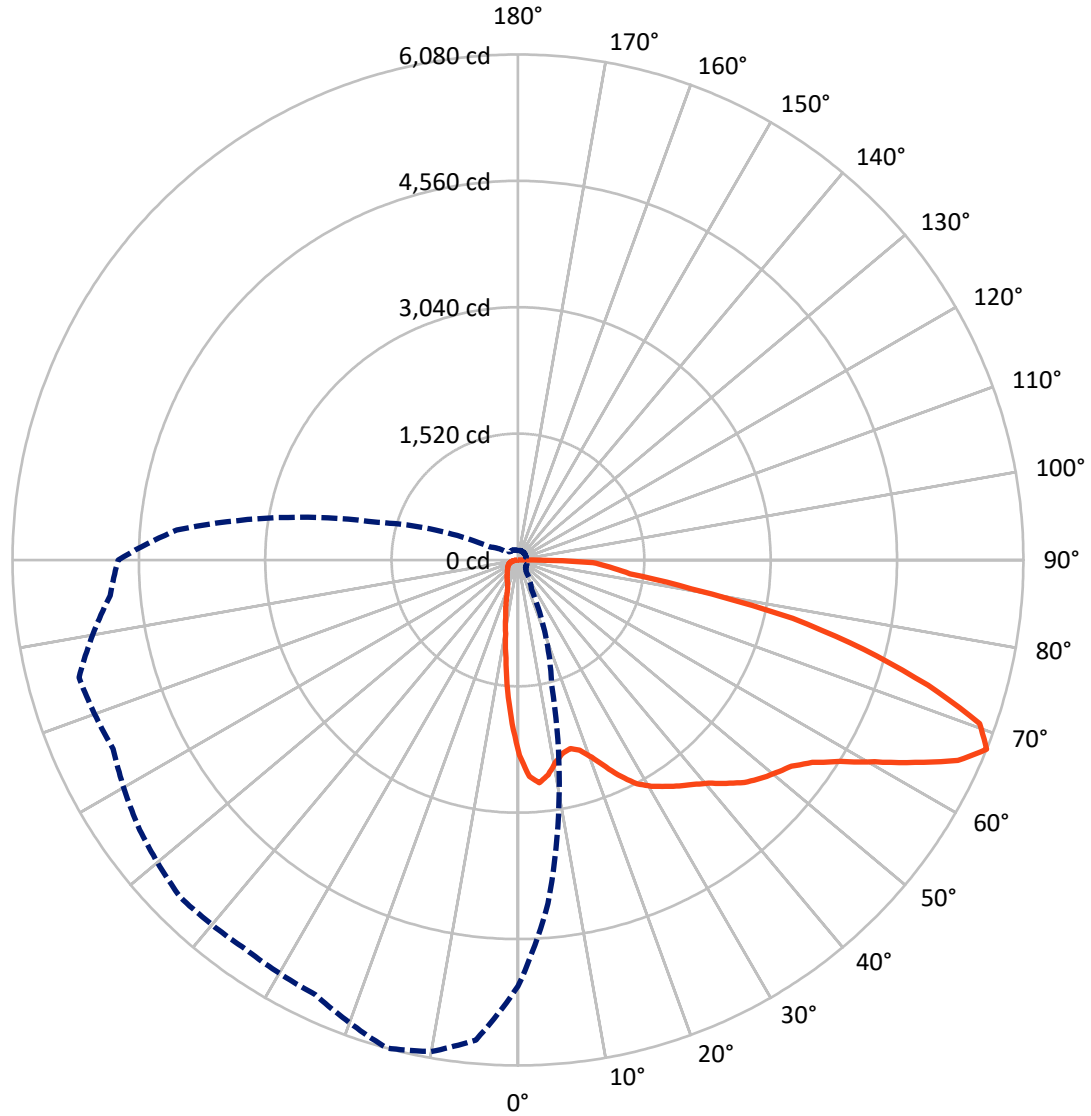
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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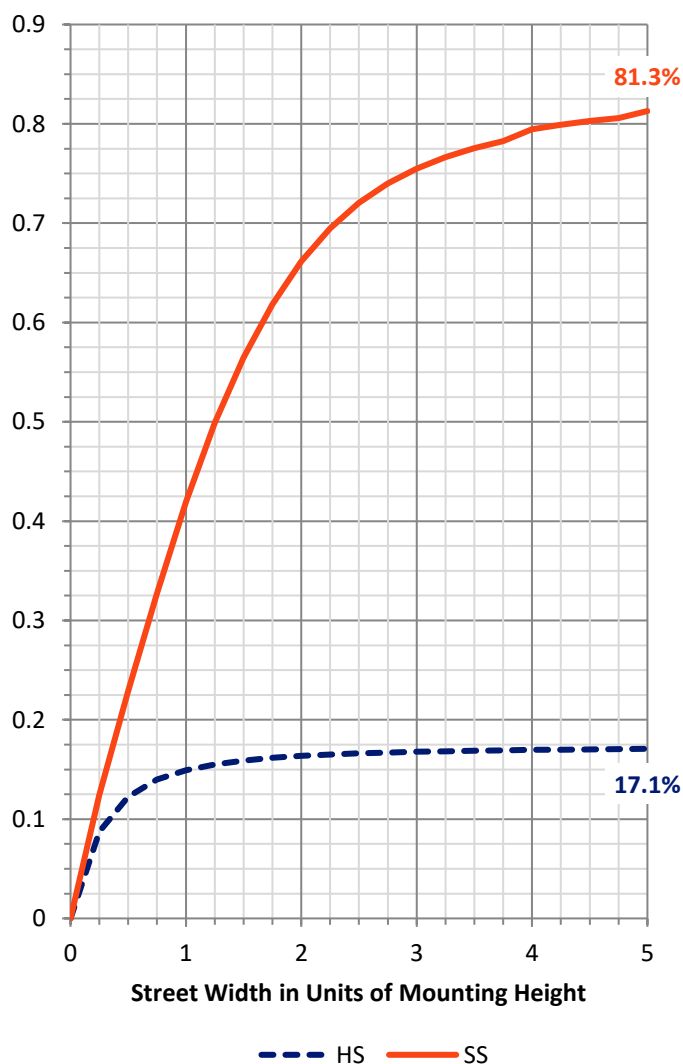
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1332.0 | 0.0 | 1332.0 |
| | % Fixture | 17.3 | 0.0 | 17.3 |
| Street Side | Lumens | 6373.0 | 0.0 | 6373.0 |
| | % Fixture | 82.7 | 0.0 | 82.7 |
| Total | Lumens | 7705.0 | 0.0 | 7705.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 181.2 | 2.4 |
| 10°-20° | 376.3 | 4.9 |
| 20°-30° | 535.3 | 6.9 |
| 30°-40° | 771.3 | 10.0 |
| 40°-50° | 1087.0 | 14.1 |
| 50°-60° | 1511.1 | 19.6 |
| 60°-70° | 1827.4 | 23.7 |
| 70°-80° | 1123.2 | 14.6 |
| 80°-90° | 292.3 | 3.8 |
| 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° | 7705.0 | 100.0 |
| 0°-180° | 7705.0 | 100.0 |

Coefficient of Utilization



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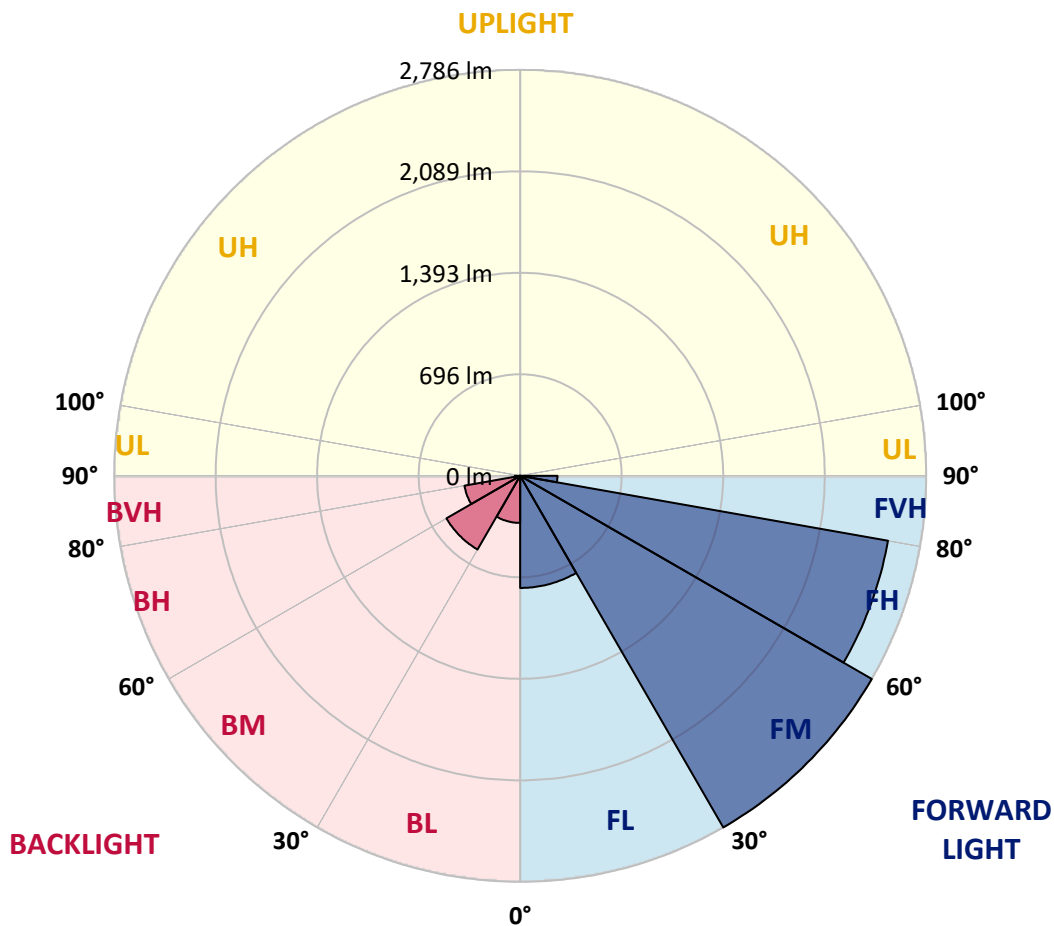
CATALOG NUMBER: GPC-SA2B-827-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 769.4 | 10.0 | | | |
| FM (30°-60°) | 2785.6 | 36.2 | | | |
| FH (60°-80°) | 2562.4 | 33.3 | | | G2/5000 |
| FVH (80°-90°) | 255.6 | 3.3 | | | G3/500 |
| BL (0°-30°) | 323.4 | 4.2 | B1/500 | | |
| BM (30°-60°) | 583.8 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 388.2 | 5.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 36.6 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 |
| 2.5° | 2514.7 | 2492.5 | 2458.9 | 2425.3 | 2400.4 | 2375.1 | 2346.5 | 2317.8 | 2285.2 | 2252.2 | 2232.8 |
| 5° | 2473.1 | 2411.5 | 2331.4 | 2251.3 | 2198.3 | 2145.3 | 2085.2 | 2025.2 | 1965.7 | 1906.2 | 1874.2 |
| 7.5° | 2285.8 | 2193.4 | 2089.2 | 1985.1 | 1908.1 | 1830.8 | 1747.6 | 1664.1 | 1590.2 | 1515.9 | 1470.0 |
| 10° | 2101.6 | 1990.7 | 1871.1 | 1751.3 | 1652.7 | 1554.1 | 1470.7 | 1386.9 | 1331.1 | 1275.3 | 1233.1 |
| 12.5° | 1969.4 | 1846.5 | 1714.9 | 1583.1 | 1484.5 | 1385.9 | 1333.0 | 1280.0 | 1233.8 | 1187.6 | 1138.9 |
| 15° | 1917.0 | 1778.1 | 1643.5 | 1508.5 | 1418.9 | 1329.3 | 1270.4 | 1211.3 | 1149.4 | 1087.1 | 1027.4 |
| 17.5° | 1963.2 | 1800.6 | 1654.3 | 1507.9 | 1390.6 | 1273.2 | 1190.9 | 1108.4 | 1026.7 | 945.1 | 875.8 |
| 20° | 2107.4 | 1899.8 | 1708.5 | 1516.9 | 1360.7 | 1204.5 | 1094.2 | 983.6 | 878.9 | 774.1 | 695.6 |
| 22.5° | 2309.8 | 2035.0 | 1785.2 | 1535.3 | 1333.6 | 1131.5 | 993.2 | 854.5 | 730.7 | 606.9 | 529.9 |
| 25° | 2555.6 | 2214.3 | 1895.8 | 1576.9 | 1322.5 | 1067.7 | 897.7 | 727.6 | 597.0 | 466.1 | 411.3 |
| 27.5° | 2814.7 | 2428.1 | 2033.2 | 1637.9 | 1324.3 | 1010.7 | 817.3 | 623.5 | 505.8 | 388.1 | 350.6 |
| 30° | 3030.6 | 2672.4 | 2193.4 | 1714.0 | 1331.4 | 948.8 | 741.5 | 534.2 | 437.1 | 340.1 | 315.8 |
| 32.5° | 3228.1 | 2842.7 | 2314.1 | 1785.2 | 1339.4 | 893.4 | 683.0 | 472.2 | 393.1 | 313.6 | 293.6 |
| 35° | 3432.0 | 2994.0 | 2398.5 | 1802.7 | 1325.6 | 848.1 | 642.9 | 437.7 | 364.7 | 291.4 | 274.5 |
| 37.5° | 3656.6 | 3157.6 | 2479.8 | 1801.8 | 1302.1 | 802.5 | 611.8 | 420.8 | 346.3 | 271.4 | 259.1 |
| 40° | 3907.1 | 3338.4 | 2567.9 | 1797.5 | 1280.9 | 764.0 | 588.7 | 413.1 | 336.1 | 258.8 | 248.3 |
| 42.5° | 4152.0 | 3510.9 | 2649.9 | 1788.9 | 1263.6 | 738.1 | 565.9 | 393.7 | 326.8 | 259.7 | 244.9 |
| 45° | 4335.9 | 3661.5 | 2721.1 | 1780.3 | 1250.7 | 721.2 | 548.0 | 374.9 | 318.2 | 261.5 | 242.7 |
| 47.5° | 4475.4 | 3812.8 | 2799.9 | 1786.7 | 1249.5 | 712.2 | 535.4 | 358.6 | 301.9 | 244.9 | 237.2 |
| 50° | 4652.9 | 3994.6 | 2914.8 | 1835.1 | 1266.4 | 697.7 | 520.6 | 343.2 | 286.2 | 229.2 | 239.7 |
| 52.5° | 4873.7 | 4253.9 | 3092.9 | 1931.5 | 1301.8 | 672.2 | 497.2 | 322.2 | 267.1 | 211.6 | 228.0 |
| 55° | 5198.1 | 4586.3 | 3320.5 | 2054.4 | 1344.7 | 634.6 | 461.8 | 288.6 | 241.8 | 194.7 | 209.2 |
| 57.5° | 5489.2 | 4922.1 | 3538.9 | 2155.5 | 1371.5 | 587.2 | 417.1 | 247.1 | 213.5 | 179.9 | 188.2 |
| 60° | 5618.9 | 5095.2 | 3641.2 | 2186.9 | 1355.4 | 524.0 | 366.9 | 209.5 | 188.5 | 167.6 | 166.0 |
| 62.5° | 5568.4 | 4985.3 | 3540.5 | 2095.7 | 1277.2 | 458.7 | 322.5 | 186.4 | 170.7 | 154.6 | 151.3 |
| 65° | 5420.5 | 4639.6 | 3258.3 | 1877.0 | 1145.0 | 413.1 | 294.5 | 175.9 | 158.3 | 140.8 | 137.1 |
| 67.5° | 5129.1 | 4147.7 | 2858.4 | 1569.2 | 977.2 | 385.1 | 278.5 | 171.9 | 150.6 | 129.1 | 124.8 |
| 70° | 4606.0 | 3555.6 | 2397.9 | 1239.9 | 804.0 | 367.8 | 268.0 | 168.2 | 142.3 | 116.1 | 112.1 |
| 72.5° | 3783.2 | 2850.7 | 1914.9 | 978.7 | 672.2 | 365.7 | 266.8 | 167.9 | 135.5 | 103.2 | 99.5 |
| 75° | 2708.7 | 2165.3 | 1461.7 | 757.8 | 550.5 | 343.2 | 253.2 | 163.3 | 126.3 | 89.0 | 85.6 |
| 77.5° | 1822.8 | 1498.7 | 1016.0 | 532.9 | 408.5 | 284.0 | 212.9 | 141.7 | 108.1 | 74.5 | 71.2 |
| 80° | 1170.6 | 1037.2 | 680.8 | 324.4 | 264.9 | 205.5 | 152.2 | 98.9 | 78.9 | 58.5 | 55.8 |
| 82.5° | 858.9 | 772.0 | 473.2 | 174.4 | 147.3 | 119.8 | 93.0 | 66.2 | 53.9 | 41.6 | 40.4 |
| 85° | 545.9 | 601.9 | 348.4 | 94.9 | 77.6 | 60.4 | 49.9 | 39.4 | 31.1 | 22.8 | 22.8 |
| 87.5° | 106.0 | 146.6 | 96.4 | 45.9 | 33.6 | 21.3 | 18.2 | 14.8 | 8.3 | 1.5 | 1.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 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: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 |
| 2.5° | 2213.1 | 2191.8 | 2170.6 | 2146.5 | 2122.2 | 2099.7 | 2076.9 | 2052.0 | 2056.6 | 2037.5 | 2018.4 |
| 5° | 1842.2 | 1808.3 | 1774.1 | 1744.5 | 1714.9 | 1689.4 | 1663.5 | 1640.4 | 1660.4 | 1646.9 | 1633.3 |
| 7.5° | 1423.8 | 1381.9 | 1339.7 | 1304.3 | 1268.9 | 1241.5 | 1213.7 | 1194.6 | 1214.4 | 1211.9 | 1209.4 |
| 10° | 1190.9 | 1150.3 | 1109.3 | 1070.2 | 1031.1 | 997.8 | 964.2 | 935.9 | 930.9 | 916.8 | 902.3 |
| 12.5° | 1089.9 | 1034.1 | 978.1 | 937.1 | 896.1 | 856.4 | 816.7 | 783.4 | 768.3 | 744.9 | 721.2 |
| 15° | 967.6 | 901.7 | 835.8 | 789.2 | 742.4 | 703.9 | 665.1 | 636.4 | 626.9 | 608.7 | 590.5 |
| 17.5° | 806.5 | 734.4 | 662.3 | 615.2 | 567.7 | 536.9 | 505.8 | 486.7 | 486.7 | 481.5 | 476.3 |
| 20° | 617.0 | 552.7 | 488.3 | 452.2 | 416.2 | 399.9 | 383.2 | 375.2 | 377.7 | 378.0 | 378.0 |
| 22.5° | 452.5 | 413.1 | 373.7 | 359.2 | 344.4 | 338.6 | 332.7 | 329.3 | 330.5 | 330.9 | 331.2 |
| 25° | 356.4 | 341.3 | 325.9 | 318.5 | 310.8 | 307.1 | 303.4 | 302.2 | 305.0 | 305.3 | 305.3 |
| 27.5° | 313.0 | 303.7 | 294.2 | 289.6 | 284.6 | 283.1 | 281.6 | 279.4 | 282.2 | 282.2 | 281.9 |
| 30° | 291.1 | 281.3 | 271.4 | 265.5 | 259.7 | 260.3 | 260.6 | 260.0 | 261.8 | 263.1 | 264.0 |
| 32.5° | 273.2 | 263.7 | 254.1 | 248.3 | 242.1 | 241.2 | 240.3 | 239.7 | 243.7 | 245.8 | 248.0 |
| 35° | 257.2 | 246.8 | 236.3 | 230.7 | 225.2 | 223.0 | 220.9 | 219.3 | 223.0 | 225.8 | 228.6 |
| 37.5° | 246.4 | 235.7 | 224.6 | 219.3 | 213.8 | 211.0 | 208.2 | 206.4 | 207.9 | 209.2 | 210.4 |
| 40° | 237.8 | 226.7 | 215.3 | 209.2 | 203.0 | 200.2 | 197.5 | 195.9 | 196.8 | 197.2 | 197.5 |
| 42.5° | 229.8 | 219.0 | 208.2 | 201.5 | 194.4 | 191.0 | 187.6 | 185.8 | 186.4 | 187.0 | 187.3 |
| 45° | 224.0 | 213.2 | 202.1 | 194.1 | 185.8 | 182.1 | 178.4 | 176.2 | 176.5 | 176.5 | 176.5 |
| 47.5° | 229.5 | 213.8 | 197.8 | 188.5 | 179.0 | 174.7 | 170.4 | 168.2 | 167.6 | 167.0 | 166.3 |
| 50° | 249.8 | 223.0 | 195.9 | 184.2 | 172.2 | 167.6 | 162.7 | 160.2 | 158.6 | 158.0 | 157.4 |
| 52.5° | 244.0 | 220.9 | 197.5 | 182.4 | 167.0 | 161.4 | 155.9 | 151.9 | 150.3 | 149.4 | 148.5 |
| 55° | 223.3 | 208.9 | 194.1 | 175.9 | 157.7 | 152.8 | 147.6 | 144.8 | 142.0 | 141.4 | 140.8 |
| 57.5° | 196.2 | 190.4 | 184.5 | 166.0 | 147.6 | 142.9 | 138.0 | 136.2 | 133.7 | 133.7 | 133.4 |
| 60° | 164.2 | 172.8 | 181.4 | 160.2 | 138.6 | 133.4 | 128.2 | 126.6 | 125.7 | 125.4 | 125.1 |
| 62.5° | 147.6 | 161.7 | 175.6 | 153.1 | 130.3 | 124.8 | 119.2 | 117.4 | 117.1 | 117.4 | 117.4 |
| 65° | 133.4 | 137.7 | 142.0 | 131.5 | 121.1 | 115.5 | 109.7 | 107.8 | 108.4 | 109.4 | 110.3 |
| 67.5° | 120.4 | 119.5 | 118.6 | 114.9 | 110.9 | 106.3 | 101.4 | 99.5 | 99.8 | 101.0 | 102.3 |
| 70° | 108.1 | 106.9 | 105.4 | 102.6 | 99.8 | 95.8 | 91.8 | 90.6 | 90.3 | 91.8 | 93.0 |
| 72.5° | 95.8 | 94.3 | 92.4 | 90.3 | 87.8 | 84.4 | 81.0 | 80.1 | 80.4 | 81.3 | 82.3 |
| 75° | 82.3 | 81.0 | 79.5 | 77.6 | 75.5 | 72.4 | 69.3 | 68.7 | 69.3 | 70.2 | 71.2 |
| 77.5° | 67.5 | 67.2 | 66.5 | 65.0 | 63.5 | 60.1 | 56.4 | 56.1 | 57.0 | 57.9 | 58.5 |
| 80° | 52.7 | 53.0 | 53.3 | 52.1 | 50.8 | 47.1 | 43.1 | 42.8 | 43.7 | 44.7 | 45.6 |
| 82.5° | 38.8 | 39.7 | 40.4 | 38.8 | 37.3 | 33.0 | 28.6 | 28.0 | 31.1 | 32.0 | 33.0 |
| 85° | 22.5 | 23.7 | 25.0 | 23.7 | 22.5 | 18.2 | 13.9 | 13.6 | 16.3 | 17.9 | 19.4 |
| 87.5° | 1.8 | 2.5 | 3.1 | 2.8 | 2.5 | 1.2 | 0.0 | 0.0 | 0.3 | 1.5 | 2.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 |
| 2.5° | 2006.4 | 1994.4 | 1990.7 | 1987.0 | 1973.4 | 1959.5 | 1973.7 | 1987.6 | 1993.4 | 1999.3 | 1984.2 |
| 5° | 1631.5 | 1629.3 | 1629.3 | 1629.0 | 1616.7 | 1604.0 | 1613.6 | 1622.8 | 1602.2 | 1581.6 | 1579.4 |
| 7.5° | 1222.7 | 1235.9 | 1246.7 | 1257.2 | 1253.2 | 1249.2 | 1258.1 | 1267.0 | 1240.8 | 1214.4 | 1201.4 |
| 10° | 905.4 | 908.1 | 919.9 | 931.6 | 934.3 | 936.8 | 947.9 | 958.7 | 938.3 | 918.0 | 909.1 |
| 12.5° | 706.4 | 691.6 | 693.1 | 694.4 | 699.9 | 705.1 | 716.8 | 728.2 | 719.9 | 711.3 | 712.2 |
| 15° | 572.1 | 553.3 | 545.6 | 537.6 | 543.7 | 549.9 | 558.2 | 566.2 | 566.5 | 566.5 | 574.5 |
| 17.5° | 467.0 | 457.5 | 449.8 | 441.8 | 450.1 | 458.1 | 459.0 | 459.9 | 460.2 | 460.5 | 459.9 |
| 20° | 382.6 | 387.2 | 384.8 | 382.3 | 385.4 | 388.1 | 390.6 | 392.8 | 390.0 | 386.9 | 379.2 |
| 22.5° | 335.5 | 339.5 | 342.6 | 345.3 | 350.6 | 355.5 | 353.0 | 350.3 | 344.7 | 338.9 | 333.0 |
| 25° | 308.1 | 310.8 | 313.9 | 317.0 | 321.3 | 325.3 | 321.0 | 316.7 | 312.7 | 308.7 | 304.7 |
| 27.5° | 285.0 | 287.7 | 290.5 | 293.0 | 297.0 | 300.7 | 296.7 | 292.7 | 289.3 | 285.9 | 282.8 |
| 30° | 266.2 | 268.0 | 270.2 | 272.3 | 276.0 | 279.4 | 276.0 | 272.3 | 269.9 | 267.1 | 264.9 |
| 32.5° | 250.1 | 252.0 | 252.9 | 253.8 | 257.2 | 260.6 | 258.2 | 255.7 | 253.5 | 251.4 | 249.8 |
| 35° | 232.6 | 236.3 | 236.9 | 237.5 | 240.9 | 244.3 | 242.7 | 240.9 | 238.4 | 236.0 | 233.2 |
| 37.5° | 214.7 | 219.0 | 221.5 | 223.6 | 227.0 | 230.4 | 228.9 | 227.3 | 224.0 | 220.6 | 215.6 |
| 40° | 199.6 | 201.5 | 206.1 | 210.4 | 215.9 | 221.2 | 218.1 | 214.7 | 209.5 | 204.2 | 201.8 |
| 42.5° | 187.0 | 186.7 | 191.0 | 195.3 | 203.6 | 211.6 | 206.1 | 200.5 | 195.6 | 190.7 | 190.1 |
| 45° | 175.9 | 175.0 | 177.1 | 179.3 | 188.2 | 196.8 | 191.3 | 185.4 | 182.7 | 179.9 | 179.9 |
| 47.5° | 166.0 | 165.4 | 167.0 | 168.2 | 173.7 | 179.0 | 176.2 | 173.4 | 171.9 | 170.4 | 170.7 |
| 50° | 157.1 | 156.5 | 158.0 | 159.3 | 161.4 | 163.3 | 163.9 | 164.2 | 163.3 | 162.3 | 163.0 |
| 52.5° | 148.8 | 148.8 | 149.4 | 149.7 | 152.5 | 155.3 | 155.3 | 155.0 | 155.0 | 155.0 | 155.6 |
| 55° | 141.7 | 142.3 | 142.3 | 142.3 | 146.6 | 150.6 | 149.4 | 148.2 | 148.5 | 148.5 | 149.1 |
| 57.5° | 134.6 | 135.5 | 136.2 | 136.8 | 141.1 | 145.4 | 144.2 | 142.9 | 142.9 | 142.9 | 143.2 |
| 60° | 126.6 | 127.8 | 129.1 | 130.3 | 134.6 | 138.9 | 137.7 | 136.2 | 136.5 | 136.8 | 137.1 |
| 62.5° | 118.9 | 120.1 | 121.4 | 122.6 | 126.9 | 131.2 | 130.0 | 128.5 | 129.4 | 130.0 | 130.0 |
| 65° | 111.5 | 112.4 | 113.7 | 114.9 | 118.9 | 122.9 | 121.7 | 120.4 | 121.7 | 122.6 | 123.2 |
| 67.5° | 103.2 | 103.8 | 105.0 | 106.3 | 110.3 | 114.3 | 113.1 | 111.5 | 113.1 | 114.3 | 115.5 |
| 70° | 93.6 | 94.3 | 95.8 | 97.0 | 101.0 | 105.0 | 103.5 | 102.0 | 103.5 | 105.0 | 106.3 |
| 72.5° | 83.2 | 83.8 | 85.3 | 86.6 | 91.2 | 95.8 | 94.0 | 92.1 | 94.0 | 95.8 | 96.4 |
| 75° | 71.8 | 72.4 | 74.2 | 75.8 | 80.4 | 85.0 | 83.5 | 81.6 | 83.2 | 84.7 | 85.0 |
| 77.5° | 59.5 | 60.4 | 62.8 | 65.3 | 69.0 | 72.7 | 71.8 | 70.9 | 71.8 | 72.7 | 72.7 |
| 80° | 46.5 | 47.4 | 50.5 | 53.3 | 55.4 | 57.6 | 57.9 | 58.2 | 58.5 | 58.8 | 58.5 |
| 82.5° | 34.5 | 35.7 | 38.5 | 41.3 | 41.3 | 41.3 | 43.7 | 45.9 | 45.9 | 45.6 | 45.3 |
| 85° | 21.3 | 22.8 | 25.3 | 27.7 | 26.2 | 24.6 | 28.6 | 32.3 | 32.3 | 32.0 | 31.4 |
| 87.5° | 4.3 | 5.9 | 8.3 | 10.5 | 8.9 | 7.4 | 11.4 | 15.4 | 15.7 | 15.7 | 15.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 |
| 2.5° | 1968.8 | 1992.8 | 2016.5 | 2022.7 | 2031.9 | 2035.9 | 2039.6 | 2069.8 | 2099.7 | 2134.8 | 2169.9 |
| 5° | 1576.9 | 1594.8 | 1612.7 | 1615.4 | 1625.0 | 1629.9 | 1634.8 | 1671.5 | 1707.9 | 1756.8 | 1805.8 |
| 7.5° | 1188.5 | 1192.8 | 1197.1 | 1196.5 | 1204.5 | 1215.3 | 1225.8 | 1264.9 | 1303.7 | 1356.4 | 1408.7 |
| 10° | 900.1 | 910.0 | 919.5 | 928.5 | 946.0 | 966.4 | 986.4 | 1026.4 | 1066.5 | 1118.5 | 1170.3 |
| 12.5° | 713.1 | 724.5 | 735.6 | 745.5 | 765.8 | 792.9 | 819.7 | 867.8 | 915.8 | 978.1 | 1040.0 |
| 15° | 582.2 | 581.3 | 580.4 | 587.2 | 605.0 | 634.6 | 663.9 | 714.7 | 765.5 | 833.9 | 902.0 |
| 17.5° | 459.3 | 454.7 | 450.1 | 455.3 | 471.9 | 496.3 | 520.3 | 563.4 | 606.3 | 672.5 | 738.7 |
| 20° | 371.5 | 368.4 | 365.4 | 370.3 | 380.8 | 390.9 | 401.1 | 432.2 | 463.0 | 516.9 | 570.5 |
| 22.5° | 326.8 | 326.5 | 325.9 | 328.7 | 333.6 | 338.9 | 343.8 | 358.9 | 373.7 | 408.5 | 443.0 |
| 25° | 300.7 | 300.4 | 300.0 | 301.3 | 305.3 | 309.3 | 313.3 | 323.2 | 333.0 | 349.6 | 366.3 |
| 27.5° | 279.7 | 279.1 | 278.5 | 278.8 | 279.7 | 285.9 | 291.7 | 296.3 | 300.7 | 312.1 | 323.2 |
| 30° | 262.8 | 262.5 | 262.2 | 262.2 | 261.2 | 263.4 | 265.5 | 272.6 | 279.4 | 291.1 | 302.8 |
| 32.5° | 248.3 | 246.8 | 245.2 | 241.8 | 239.7 | 242.7 | 245.8 | 253.2 | 260.6 | 271.4 | 282.2 |
| 35° | 230.1 | 226.1 | 221.8 | 220.0 | 220.3 | 223.3 | 226.4 | 233.8 | 240.9 | 252.6 | 264.0 |
| 37.5° | 210.4 | 209.2 | 207.6 | 207.3 | 208.2 | 211.3 | 214.4 | 220.9 | 227.0 | 238.7 | 250.1 |
| 40° | 199.3 | 198.7 | 198.1 | 197.5 | 198.1 | 201.2 | 204.2 | 210.4 | 216.3 | 227.7 | 238.7 |
| 42.5° | 189.5 | 189.1 | 188.8 | 188.8 | 189.1 | 192.5 | 195.9 | 202.1 | 207.9 | 218.1 | 228.3 |
| 45° | 179.9 | 180.2 | 180.2 | 180.8 | 181.8 | 185.1 | 188.2 | 195.0 | 201.8 | 211.6 | 221.5 |
| 47.5° | 171.0 | 171.9 | 172.5 | 174.1 | 175.0 | 178.7 | 182.1 | 189.5 | 196.8 | 209.2 | 221.2 |
| 50° | 163.3 | 164.2 | 164.8 | 166.0 | 168.5 | 172.8 | 177.1 | 186.1 | 194.7 | 215.3 | 235.7 |
| 52.5° | 156.2 | 157.1 | 158.0 | 159.3 | 162.3 | 167.3 | 172.2 | 183.3 | 194.1 | 218.1 | 242.1 |
| 55° | 149.7 | 150.6 | 151.3 | 153.1 | 156.2 | 160.5 | 164.5 | 178.1 | 191.6 | 209.2 | 226.7 |
| 57.5° | 143.6 | 144.5 | 145.1 | 146.3 | 147.9 | 152.5 | 156.8 | 171.3 | 185.8 | 198.1 | 210.1 |
| 60° | 137.1 | 137.7 | 138.0 | 138.0 | 139.2 | 144.5 | 149.7 | 168.2 | 186.4 | 184.2 | 181.8 |
| 62.5° | 130.0 | 130.6 | 130.9 | 130.0 | 131.5 | 137.1 | 142.6 | 166.7 | 190.7 | 175.9 | 161.1 |
| 65° | 123.5 | 123.2 | 122.9 | 122.0 | 123.8 | 129.4 | 134.6 | 146.6 | 158.6 | 152.8 | 146.9 |
| 67.5° | 116.4 | 115.5 | 114.6 | 113.4 | 115.2 | 120.1 | 124.8 | 128.8 | 132.8 | 133.4 | 134.0 |
| 70° | 107.5 | 106.3 | 105.0 | 104.7 | 105.7 | 109.7 | 113.7 | 116.4 | 118.9 | 120.1 | 121.1 |
| 72.5° | 97.0 | 96.1 | 95.2 | 94.6 | 94.9 | 98.3 | 101.4 | 103.8 | 106.3 | 107.2 | 107.8 |
| 75° | 85.3 | 85.3 | 85.0 | 83.2 | 83.2 | 85.9 | 88.4 | 90.6 | 92.7 | 94.0 | 95.2 |
| 77.5° | 72.7 | 73.0 | 73.0 | 70.5 | 70.2 | 73.0 | 75.5 | 77.3 | 78.9 | 80.1 | 81.0 |
| 80° | 58.2 | 57.6 | 57.0 | 55.4 | 54.8 | 58.2 | 61.3 | 62.8 | 64.1 | 64.4 | 64.4 |
| 82.5° | 44.7 | 43.4 | 41.9 | 38.5 | 38.8 | 42.5 | 45.9 | 47.1 | 48.4 | 48.4 | 48.4 |
| 85° | 30.5 | 28.0 | 25.3 | 22.5 | 22.8 | 26.8 | 30.5 | 31.7 | 33.0 | 33.6 | 33.9 |
| 87.5° | 14.5 | 12.0 | 9.2 | 7.1 | 7.1 | 10.5 | 13.6 | 14.2 | 14.8 | 16.0 | 17.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 |
| 2.5° | 2196.7 | 2223.2 | 2250.7 | 2278.1 | 2309.5 | 2340.9 | 2377.6 | 2413.9 | 2445.0 | 2476.1 | 2502.0 |
| 5° | 1848.0 | 1890.2 | 1939.8 | 1989.4 | 2052.6 | 2115.7 | 2193.0 | 2270.1 | 2338.8 | 2407.5 | 2487.2 |
| 7.5° | 1463.9 | 1518.7 | 1583.4 | 1648.1 | 1729.7 | 1811.4 | 1911.5 | 2011.6 | 2108.6 | 2205.4 | 2328.0 |
| 10° | 1227.9 | 1285.5 | 1349.3 | 1412.7 | 1495.9 | 1578.8 | 1684.8 | 1790.4 | 1899.5 | 2008.2 | 2146.8 |
| 12.5° | 1104.1 | 1167.8 | 1223.9 | 1280.0 | 1347.4 | 1414.6 | 1517.2 | 1619.8 | 1747.9 | 1875.7 | 2009.1 |
| 15° | 971.9 | 1041.5 | 1108.7 | 1175.8 | 1249.5 | 1322.8 | 1422.6 | 1522.4 | 1662.6 | 1802.7 | 1956.2 |
| 17.5° | 812.0 | 885.4 | 967.3 | 1048.9 | 1145.0 | 1240.8 | 1368.7 | 1496.5 | 1662.6 | 1828.3 | 2009.1 |
| 20° | 645.4 | 720.2 | 818.2 | 916.2 | 1035.7 | 1154.9 | 1320.6 | 1486.4 | 1710.0 | 1933.4 | 2164.1 |
| 22.5° | 509.2 | 575.1 | 682.0 | 788.6 | 926.6 | 1064.6 | 1277.2 | 1489.4 | 1781.8 | 2073.8 | 2385.3 |
| 25° | 412.8 | 459.3 | 564.4 | 669.1 | 828.4 | 987.6 | 1250.7 | 1513.5 | 1886.2 | 2258.7 | 2645.0 |
| 27.5° | 353.6 | 384.1 | 482.1 | 579.8 | 753.8 | 927.6 | 1239.9 | 1552.0 | 2018.7 | 2485.4 | 2927.4 |
| 30° | 324.1 | 345.3 | 428.2 | 510.8 | 687.6 | 864.4 | 1227.0 | 1589.6 | 2146.2 | 2702.6 | 3148.3 |
| 32.5° | 299.4 | 316.4 | 387.2 | 457.8 | 630.3 | 802.8 | 1202.0 | 1601.0 | 2235.2 | 2869.5 | 3335.3 |
| 35° | 278.5 | 292.7 | 354.3 | 415.9 | 585.3 | 754.7 | 1160.1 | 1565.5 | 2291.0 | 3016.5 | 3530.0 |
| 37.5° | 261.5 | 272.6 | 329.6 | 386.6 | 546.5 | 706.4 | 1112.4 | 1518.4 | 2340.6 | 3162.8 | 3749.0 |
| 40° | 248.3 | 257.8 | 311.1 | 364.4 | 509.5 | 654.6 | 1071.4 | 1487.9 | 2409.0 | 3330.1 | 3980.4 |
| 42.5° | 240.9 | 253.2 | 295.1 | 336.7 | 474.4 | 612.1 | 1038.5 | 1464.8 | 2472.5 | 3479.8 | 4182.8 |
| 45° | 239.1 | 256.6 | 286.8 | 317.0 | 448.2 | 579.5 | 1009.2 | 1438.6 | 2513.4 | 3588.2 | 4335.3 |
| 47.5° | 236.0 | 250.4 | 280.3 | 310.2 | 435.3 | 560.0 | 993.5 | 1426.6 | 2554.4 | 3681.9 | 4461.9 |
| 50° | 237.8 | 239.7 | 275.1 | 310.2 | 433.4 | 556.7 | 1011.3 | 1466.0 | 2643.1 | 3819.9 | 4606.7 |
| 52.5° | 234.4 | 226.4 | 265.2 | 304.1 | 433.1 | 562.2 | 1062.8 | 1563.4 | 2807.9 | 4052.2 | 4763.5 |
| 55° | 216.6 | 206.1 | 246.8 | 287.4 | 426.7 | 565.6 | 1124.1 | 1682.3 | 3029.1 | 4375.6 | 5045.3 |
| 57.5° | 200.9 | 191.3 | 225.8 | 260.0 | 406.9 | 553.9 | 1187.2 | 1820.3 | 3262.9 | 4705.2 | 5362.9 |
| 60° | 179.9 | 177.7 | 202.4 | 227.0 | 376.4 | 525.5 | 1239.3 | 1952.8 | 3420.0 | 4887.0 | 5485.2 |
| 62.5° | 162.7 | 163.9 | 182.1 | 200.2 | 338.2 | 475.9 | 1256.6 | 2036.9 | 3415.7 | 4794.6 | 5362.0 |
| 65° | 149.4 | 151.6 | 169.4 | 187.3 | 305.6 | 423.9 | 1199.9 | 1975.6 | 3242.9 | 4509.9 | 5118.3 |
| 67.5° | 136.5 | 138.9 | 160.2 | 181.1 | 276.6 | 371.8 | 1058.2 | 1744.2 | 2932.1 | 4119.6 | 4808.4 |
| 70° | 124.1 | 127.2 | 150.3 | 173.4 | 255.7 | 337.6 | 875.5 | 1413.4 | 2543.0 | 3672.3 | 4449.6 |
| 72.5° | 110.9 | 114.0 | 138.6 | 163.3 | 242.4 | 321.3 | 713.8 | 1105.9 | 2063.7 | 3021.1 | 3806.0 |
| 75° | 97.3 | 99.5 | 126.3 | 152.8 | 224.3 | 295.7 | 560.0 | 824.0 | 1579.4 | 2334.8 | 2874.8 |
| 77.5° | 83.8 | 86.6 | 109.1 | 131.2 | 190.4 | 249.2 | 422.0 | 594.9 | 1158.9 | 1722.6 | 1999.3 |
| 80° | 66.8 | 69.3 | 85.3 | 101.0 | 146.9 | 192.5 | 290.2 | 387.8 | 797.6 | 1207.3 | 1363.1 |
| 82.5° | 51.1 | 53.9 | 64.7 | 75.2 | 104.7 | 134.3 | 175.9 | 217.5 | 529.9 | 841.9 | 854.9 |
| 85° | 35.1 | 36.0 | 43.7 | 51.1 | 64.7 | 78.2 | 100.7 | 123.2 | 350.6 | 577.9 | 481.5 |
| 87.5° | 17.6 | 17.6 | 22.8 | 28.0 | 34.8 | 41.6 | 53.3 | 64.7 | 112.1 | 159.6 | 91.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701

CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 |
| 2.5° | 2535.0 | 2557.5 | 2580.3 | 2597.5 | 2615.1 | 2640.3 | 2665.6 | 2670.2 | 2675.2 | 2665.3 | 2655.4 |
| 5° | 2567.6 | 2635.7 | 2704.1 | 2767.3 | 2830.4 | 2868.3 | 2906.2 | 2913.9 | 2921.6 | 2897.9 | 2873.8 |
| 7.5° | 2446.6 | 2565.2 | 2683.8 | 2792.5 | 2901.3 | 2967.2 | 3033.4 | 3048.2 | 3063.3 | 3024.5 | 2985.7 |
| 10° | 2284.8 | 2430.6 | 2576.3 | 2719.5 | 2862.8 | 2958.6 | 3054.4 | 3073.5 | 3092.6 | 3044.2 | 2995.8 |
| 12.5° | 2159.8 | 2315.3 | 2470.9 | 2621.9 | 2773.1 | 2872.3 | 2971.5 | 2995.2 | 3018.9 | 2983.8 | 2948.4 |
| 15° | 2121.3 | 2267.6 | 2413.9 | 2545.5 | 2677.3 | 2758.3 | 2839.7 | 2849.2 | 2859.1 | 2853.5 | 2848.0 |
| 17.5° | 2191.2 | 2323.4 | 2455.8 | 2527.3 | 2599.1 | 2631.4 | 2664.1 | 2674.5 | 2685.3 | 2699.2 | 2713.4 |
| 20° | 2360.6 | 2453.7 | 2547.0 | 2543.9 | 2540.5 | 2524.8 | 2508.8 | 2506.0 | 2503.3 | 2543.0 | 2583.0 |
| 22.5° | 2613.5 | 2650.5 | 2687.8 | 2601.2 | 2514.7 | 2462.0 | 2409.0 | 2398.5 | 2387.7 | 2429.9 | 2472.5 |
| 25° | 2888.0 | 2881.2 | 2874.2 | 2709.3 | 2544.2 | 2443.8 | 2343.4 | 2331.7 | 2320.0 | 2356.0 | 2392.4 |
| 27.5° | 3159.7 | 3115.4 | 3071.0 | 2847.0 | 2623.1 | 2477.4 | 2331.7 | 2320.0 | 2308.3 | 2340.3 | 2372.3 |
| 30° | 3359.0 | 3287.9 | 3216.7 | 2963.2 | 2709.7 | 2536.5 | 2363.4 | 2344.3 | 2324.9 | 2364.3 | 2403.8 |
| 32.5° | 3514.6 | 3419.1 | 3323.6 | 3057.4 | 2791.3 | 2604.0 | 2416.7 | 2386.8 | 2356.9 | 2409.6 | 2462.3 |
| 35° | 3669.9 | 3535.6 | 3400.9 | 3141.5 | 2881.9 | 2683.8 | 2485.4 | 2448.7 | 2412.1 | 2484.5 | 2556.9 |
| 37.5° | 3865.2 | 3672.3 | 3479.2 | 3236.1 | 2993.1 | 2803.3 | 2613.2 | 2575.7 | 2538.1 | 2630.2 | 2722.6 |
| 40° | 4077.1 | 3819.9 | 3562.7 | 3339.6 | 3116.6 | 2968.7 | 2820.6 | 2784.8 | 2748.8 | 2860.9 | 2973.0 |
| 42.5° | 4253.3 | 3957.3 | 3661.2 | 3464.4 | 3267.2 | 3163.1 | 3058.7 | 3058.4 | 3057.8 | 3171.4 | 3285.1 |
| 45° | 4396.6 | 4071.9 | 3746.9 | 3586.1 | 3425.0 | 3370.7 | 3316.5 | 3360.0 | 3403.4 | 3506.0 | 3608.9 |
| 47.5° | 4503.5 | 4168.0 | 3832.2 | 3725.3 | 3618.4 | 3626.4 | 3634.4 | 3722.8 | 3811.3 | 3877.2 | 3943.4 |
| 50° | 4573.1 | 4255.2 | 3936.9 | 3904.0 | 3871.0 | 3942.8 | 4014.9 | 4116.2 | 4217.9 | 4262.9 | 4307.8 |
| 52.5° | 4674.4 | 4373.5 | 4072.2 | 4109.2 | 4146.1 | 4292.8 | 4439.4 | 4542.0 | 4644.6 | 4661.2 | 4678.1 |
| 55° | 4908.9 | 4590.9 | 4272.7 | 4343.6 | 4414.7 | 4629.8 | 4845.1 | 4925.2 | 5005.3 | 5011.4 | 5017.6 |
| 57.5° | 5241.9 | 4895.6 | 4549.4 | 4625.8 | 4702.2 | 4950.4 | 5199.0 | 5285.3 | 5371.9 | 5359.9 | 5347.5 |
| 60° | 5491.1 | 5184.9 | 4878.4 | 4955.4 | 5032.4 | 5274.5 | 5516.7 | 5615.8 | 5715.4 | 5688.9 | 5662.4 |
| 62.5° | 5506.5 | 5342.9 | 5179.0 | 5248.6 | 5318.6 | 5555.8 | 5793.0 | 5894.9 | 5996.9 | 5950.7 | 5904.5 |
| 65° | 5261.6 | 5334.9 | 5408.2 | 5431.3 | 5454.4 | 5675.6 | 5897.1 | 5975.0 | 6053.3 | 6029.9 | 6006.5 |
| 67.5° | 4924.3 | 5194.4 | 5464.9 | 5418.4 | 5371.9 | 5475.7 | 5579.5 | 5659.9 | 5740.3 | 5727.1 | 5713.5 |
| 70° | 4587.6 | 4948.3 | 5309.0 | 5080.4 | 4851.6 | 4808.7 | 4765.9 | 4852.5 | 4939.4 | 4885.8 | 4831.8 |
| 72.5° | 4014.3 | 4398.7 | 4783.5 | 4362.4 | 3941.3 | 3794.9 | 3648.6 | 3758.6 | 3868.6 | 3783.2 | 3697.6 |
| 75° | 3151.1 | 3575.9 | 4001.0 | 3498.6 | 2996.1 | 2800.8 | 2605.5 | 2700.1 | 2794.7 | 2736.1 | 2677.3 |
| 77.5° | 2345.8 | 2764.5 | 3183.1 | 2672.4 | 2161.3 | 2016.2 | 1870.8 | 1898.9 | 1927.2 | 1917.3 | 1907.2 |
| 80° | 1591.1 | 1882.8 | 2174.9 | 1834.8 | 1494.7 | 1505.8 | 1517.2 | 1503.9 | 1490.4 | 1510.1 | 1529.8 |
| 82.5° | 1015.4 | 1240.5 | 1466.0 | 1285.5 | 1105.0 | 1208.5 | 1312.0 | 1261.2 | 1210.0 | 1228.8 | 1247.9 |
| 85° | 579.5 | 799.7 | 1020.3 | 951.0 | 881.3 | 941.7 | 1002.4 | 923.5 | 844.7 | 879.2 | 914.0 |
| 87.5° | 152.8 | 442.4 | 732.2 | 664.8 | 597.3 | 519.1 | 440.8 | 336.4 | 232.0 | 338.9 | 445.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701

CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 | 2347.4 |
| 2.5° | 2650.2 | 2645.0 | 2626.2 | 2607.1 | 2578.7 | 2555.3 | 2514.7 |
| 5° | 2840.6 | 2807.3 | 2750.0 | 2692.4 | 2628.3 | 2554.7 | 2473.1 |
| 7.5° | 2908.0 | 2830.1 | 2720.1 | 2609.8 | 2510.7 | 2394.2 | 2285.8 |
| 10° | 2879.4 | 2762.6 | 2619.7 | 2476.5 | 2356.0 | 2222.0 | 2101.6 |
| 12.5° | 2824.6 | 2700.4 | 2543.0 | 2385.3 | 2248.2 | 2104.3 | 1969.4 |
| 15° | 2749.1 | 2649.9 | 2502.3 | 2354.8 | 2216.8 | 2076.9 | 1917.0 |
| 17.5° | 2666.5 | 2619.4 | 2512.8 | 2405.9 | 2286.4 | 2150.8 | 1963.2 |
| 20° | 2600.0 | 2617.2 | 2574.7 | 2532.2 | 2436.4 | 2318.1 | 2107.4 |
| 22.5° | 2555.0 | 2637.9 | 2670.5 | 2703.5 | 2645.9 | 2553.5 | 2309.8 |
| 25° | 2529.8 | 2667.1 | 2776.5 | 2886.2 | 2860.6 | 2789.4 | 2555.6 |
| 27.5° | 2540.8 | 2709.3 | 2879.1 | 3049.1 | 3072.9 | 3053.1 | 2814.7 |
| 30° | 2574.1 | 2744.8 | 2951.5 | 3158.5 | 3253.1 | 3279.6 | 3030.6 |
| 32.5° | 2629.6 | 2796.8 | 3022.0 | 3247.5 | 3390.5 | 3474.9 | 3228.1 |
| 35° | 2713.4 | 2869.8 | 3104.6 | 3339.3 | 3524.2 | 3678.2 | 3432.0 |
| 37.5° | 2857.2 | 2991.8 | 3208.4 | 3425.3 | 3664.9 | 3896.3 | 3656.6 |
| 40° | 3067.9 | 3163.1 | 3346.1 | 3529.4 | 3831.0 | 4143.3 | 3907.1 |
| 42.5° | 3333.8 | 3382.8 | 3527.8 | 3672.9 | 4004.4 | 4367.6 | 4152.0 |
| 45° | 3621.8 | 3634.7 | 3725.9 | 3817.4 | 4141.8 | 4520.4 | 4335.9 |
| 47.5° | 3899.1 | 3854.7 | 3891.0 | 3927.4 | 4247.2 | 4629.5 | 4475.4 |
| 50° | 4184.3 | 4060.8 | 4041.7 | 4022.6 | 4352.5 | 4757.9 | 4652.9 |
| 52.5° | 4474.5 | 4270.9 | 4195.4 | 4119.6 | 4478.2 | 4928.3 | 4873.7 |
| 55° | 4758.5 | 4499.5 | 4397.8 | 4296.1 | 4670.4 | 5136.2 | 5198.1 |
| 57.5° | 5054.0 | 4760.4 | 4666.1 | 4571.8 | 4952.9 | 5399.6 | 5489.2 |
| 60° | 5371.9 | 5081.1 | 5005.6 | 4929.8 | 5304.1 | 5684.2 | 5618.9 |
| 62.5° | 5673.5 | 5442.4 | 5402.7 | 5362.6 | 5659.3 | 5903.0 | 5568.4 |
| 65° | 5874.9 | 5743.1 | 5780.0 | 5817.3 | 5927.9 | 5957.5 | 5420.5 |
| 67.5° | 5740.3 | 5767.1 | 5923.3 | 6079.8 | 6003.7 | 5795.4 | 5129.1 |
| 70° | 4992.3 | 5153.1 | 5523.1 | 5893.4 | 5724.6 | 5361.4 | 4606.0 |
| 72.5° | 3878.1 | 4058.9 | 4608.2 | 5157.8 | 5002.2 | 4557.4 | 3783.2 |
| 75° | 2881.2 | 3085.5 | 3691.7 | 4298.0 | 4082.0 | 3408.9 | 2708.7 |
| 77.5° | 2043.9 | 2180.7 | 2779.3 | 3378.1 | 3026.0 | 2269.1 | 1822.8 |
| 80° | 1487.9 | 1446.0 | 1779.6 | 2113.3 | 2054.7 | 1500.8 | 1170.6 |
| 82.5° | 1145.7 | 1043.4 | 1200.5 | 1357.6 | 1349.0 | 1041.5 | 858.9 |
| 85° | 873.0 | 832.1 | 971.0 | 1109.9 | 991.0 | 705.4 | 545.9 |
| 87.5° | 508.9 | 572.4 | 735.9 | 899.8 | 675.3 | 214.1 | 106.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P386701
 CATALOG NUMBER: GPC-SA2B-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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



Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-157-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/03/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Invue
 Catalog Number: **EMM2-HTN-SA1A-827-U-5WQ**
 Description: Epic Modern Light Square 40W 5WQ Optic

Spectral Parameters

CCT (K): 2764
 CIE u': 0.2591
 CIE v': 0.5290
 Duv: 0.0020
 CIE x: 0.4581
 CIE y: 0.4156
 CIE z: 0.1263
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 583
 Purity: 62.2537
 Rf: 84.7
 Rg: 94.6

| | | | |
|-----------|------|------|------|
| CRI (Ra): | 80.9 | | |
| R1: | 78.8 | R9: | -1.5 |
| R2: | 89.9 | R10: | 77.9 |
| R3: | 96.2 | R11: | 78.9 |
| R4: | 79.1 | R12: | 71.6 |
| R5: | 79.1 | R13: | 81.2 |
| R6: | 88.8 | R14: | 98.5 |
| R7: | 81.3 | R15: | 69.9 |
| R8: | 54.3 | | |



Test Conditions

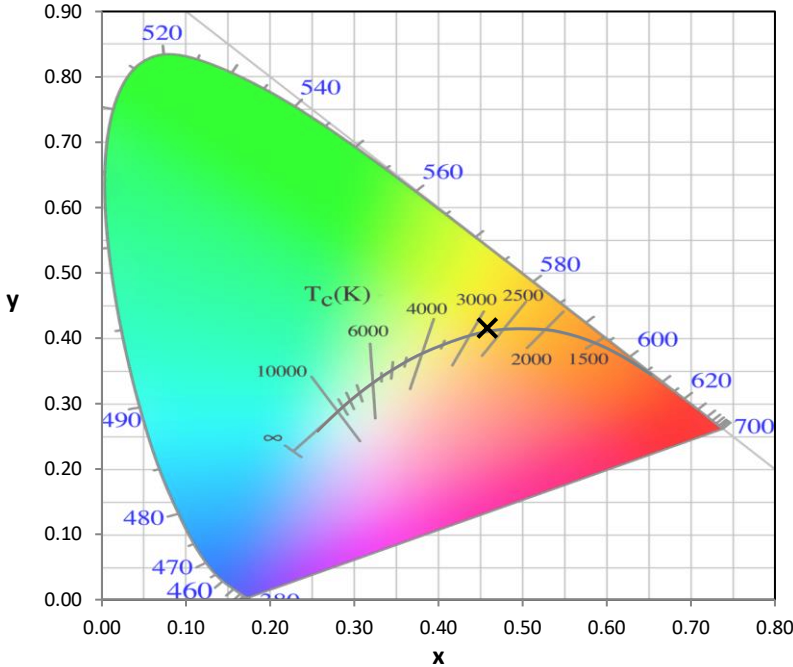
Stabilization Time: 81M
 Operation Time: 2H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-157-9

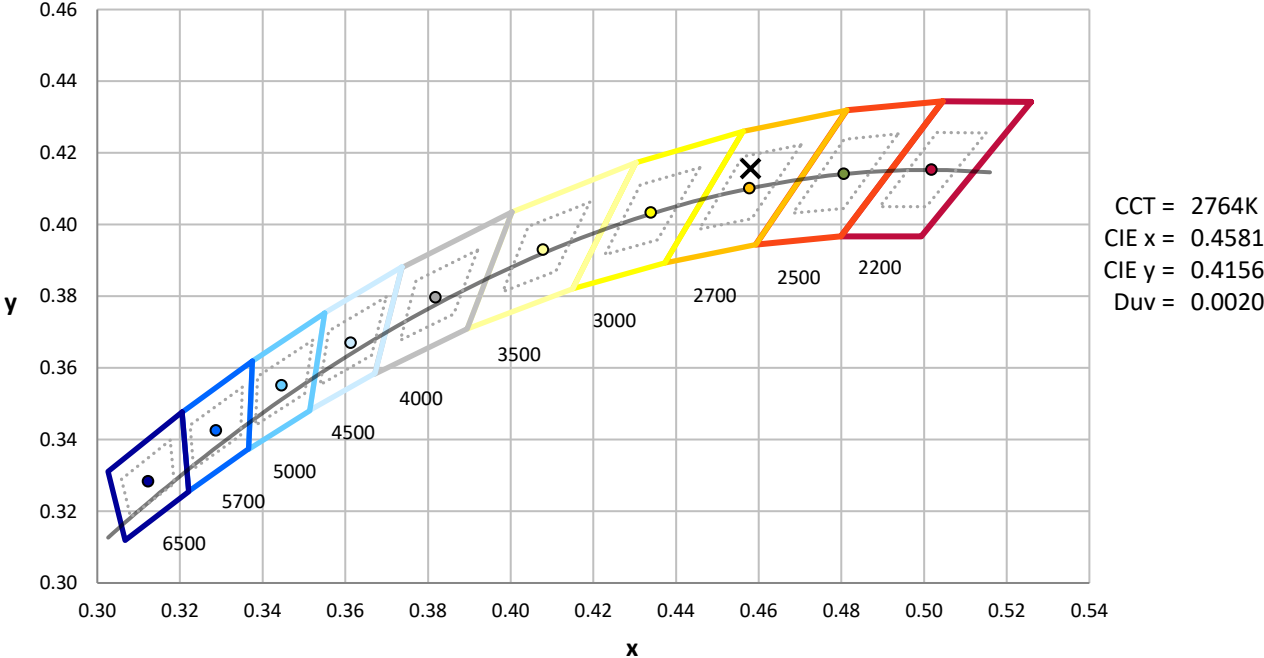
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC Power Source | IN0208 | 10/24/2023 | 10/24/2024 |
| Sphere Thermometer | IN0085 | 10/24/2023 | 10/24/2024 |
| Room Thermometer | IN0046 | 10/24/2023 | 10/24/2024 |

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CIE 1931 Chromaticity Diagram



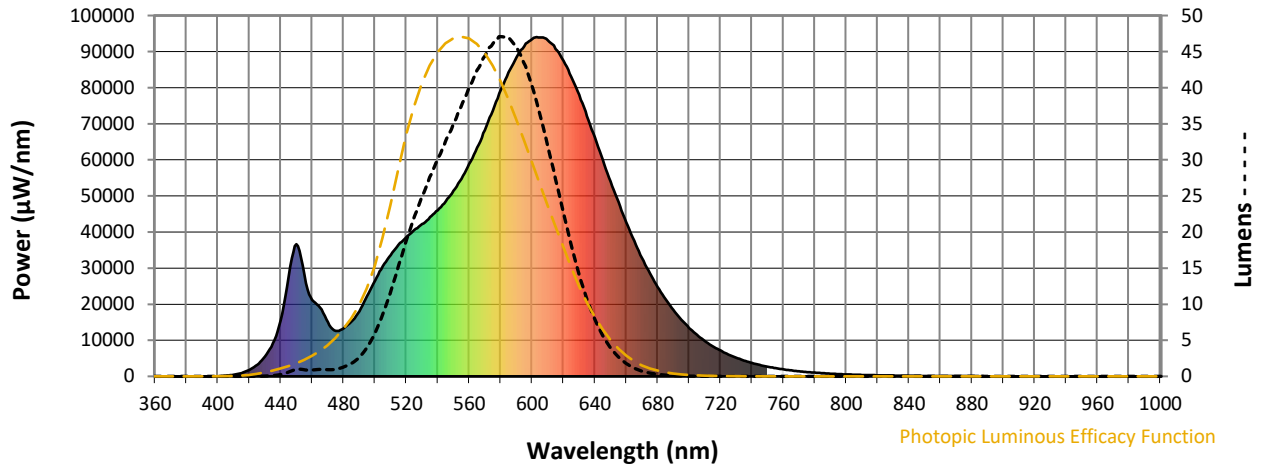
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-9

Photopic Flux vs. Wavelength



Photopic Lumens: 4337.9

| 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 | 0 | 0.0 | 490 | 18018 | 2.6 | 620 | 87426 | 22.8 | 750 | 2680 | 0.0 | 880 | 58 | 0.0 |
| 365 | 0 | 0.0 | 495 | 22295 | 3.9 | 625 | 83013 | 18.2 | 755 | 2287 | 0.0 | 885 | 46 | 0.0 |
| 370 | 0 | 0.0 | 500 | 26478 | 5.8 | 630 | 78077 | 14.1 | 760 | 1944 | 0.0 | 890 | 45 | 0.0 |
| 375 | 0 | 0.0 | 505 | 30524 | 8.5 | 635 | 72080 | 10.7 | 765 | 1653 | 0.0 | 895 | 41 | 0.0 |
| 380 | 0 | 0.0 | 510 | 33611 | 11.5 | 640 | 66249 | 7.9 | 770 | 1413 | 0.0 | 900 | 38 | 0.0 |
| 385 | 0 | 0.0 | 515 | 36490 | 15.2 | 645 | 59973 | 5.7 | 775 | 1198 | 0.0 | 905 | 33 | 0.0 |
| 390 | 0 | 0.0 | 520 | 38610 | 18.7 | 650 | 53972 | 3.9 | 780 | 1025 | 0.0 | 910 | 30 | 0.0 |
| 395 | 0 | 0.0 | 525 | 40511 | 21.9 | 655 | 48369 | 2.7 | 785 | 874 | 0.0 | 915 | 23 | 0.0 |
| 400 | 48 | 0.0 | 530 | 42223 | 24.9 | 660 | 42641 | 1.8 | 790 | 747 | 0.0 | 920 | 24 | 0.0 |
| 405 | 201 | 0.0 | 535 | 44137 | 27.6 | 665 | 37602 | 1.1 | 795 | 639 | 0.0 | 925 | 22 | 0.0 |
| 410 | 457 | 0.0 | 540 | 46032 | 30.0 | 670 | 32798 | 0.7 | 800 | 547 | 0.0 | 930 | 22 | 0.0 |
| 415 | 925 | 0.0 | 545 | 48553 | 32.5 | 675 | 28558 | 0.5 | 805 | 473 | 0.0 | 935 | 17 | 0.0 |
| 420 | 1816 | 0.0 | 550 | 51408 | 34.9 | 680 | 24782 | 0.3 | 810 | 401 | 0.0 | 940 | 13 | 0.0 |
| 425 | 3217 | 0.0 | 555 | 54711 | 37.4 | 685 | 21386 | 0.2 | 815 | 351 | 0.0 | 945 | 6 | 0.0 |
| 430 | 5520 | 0.0 | 560 | 58847 | 40.0 | 690 | 18413 | 0.1 | 820 | 307 | 0.0 | 950 | 10 | 0.0 |
| 435 | 9225 | 0.1 | 565 | 63386 | 42.4 | 695 | 15721 | 0.1 | 825 | 261 | 0.0 | 955 | 11 | 0.0 |
| 440 | 15522 | 0.2 | 570 | 68196 | 44.3 | 700 | 13432 | 0.0 | 830 | 228 | 0.0 | 960 | 8 | 0.0 |
| 445 | 27642 | 0.6 | 575 | 73613 | 46.0 | 705 | 11513 | 0.0 | 835 | 193 | 0.0 | 965 | 12 | 0.0 |
| 450 | 36602 | 0.9 | 580 | 79207 | 47.1 | 710 | 9780 | 0.0 | 840 | 174 | 0.0 | 970 | 3 | 0.0 |
| 455 | 28292 | 0.9 | 585 | 84248 | 47.0 | 715 | 8356 | 0.0 | 845 | 151 | 0.0 | 975 | 8 | 0.0 |
| 460 | 21166 | 0.9 | 590 | 88397 | 45.7 | 720 | 7161 | 0.0 | 850 | 123 | 0.0 | 980 | 2 | 0.0 |
| 465 | 19092 | 1.0 | 595 | 91428 | 43.4 | 725 | 6067 | 0.0 | 855 | 106 | 0.0 | 985 | 13 | 0.0 |
| 470 | 14951 | 0.9 | 600 | 93452 | 40.3 | 730 | 5164 | 0.0 | 860 | 95 | 0.0 | 990 | 16 | 0.0 |
| 475 | 12606 | 1.0 | 605 | 93959 | 36.4 | 735 | 4393 | 0.0 | 865 | 82 | 0.0 | 995 | 20 | 0.0 |
| 480 | 13323 | 1.3 | 610 | 93079 | 32.0 | 740 | 3694 | 0.0 | 870 | 77 | 0.0 | 1000 | 0 | 0.0 |
| 485 | 15164 | 1.8 | 615 | 90707 | 27.3 | 745 | 3157 | 0.0 | 875 | 65 | 0.0 | | | |

REPORT NUMBER: SP1-2407-157-9

Scotopic Flux vs. Wavelength



Scotopic Lumens: 5286.7

S/P: 1.22

| λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) |
|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|
| 360 | 0 | 0.0 | 490 | 18018 | 75.9 | 620 | 87426 | 0.4 | 750 | 2680 | 0.0 | 880 | 58 | 0.0 |
| 365 | 0 | 0.0 | 495 | 22295 | 93.2 | 625 | 83013 | 0.2 | 755 | 2287 | 0.0 | 885 | 46 | 0.0 |
| 370 | 0 | 0.0 | 500 | 26478 | 107.8 | 630 | 78077 | 0.1 | 760 | 1944 | 0.0 | 890 | 45 | 0.0 |
| 375 | 0 | 0.0 | 505 | 30524 | 118.7 | 635 | 72080 | 0.1 | 765 | 1653 | 0.0 | 895 | 41 | 0.0 |
| 380 | 0 | 0.0 | 510 | 33611 | 122.2 | 640 | 66249 | 0.1 | 770 | 1413 | 0.0 | 900 | 38 | 0.0 |
| 385 | 0 | 0.0 | 515 | 36490 | 120.8 | 645 | 59973 | 0.0 | 775 | 1198 | 0.0 | 905 | 33 | 0.0 |
| 390 | 0 | 0.0 | 520 | 38610 | 113.9 | 650 | 53972 | 0.0 | 780 | 1025 | 0.0 | 910 | 30 | 0.0 |
| 395 | 0 | 0.0 | 525 | 40511 | 104.1 | 655 | 48369 | 0.0 | 785 | 874 | 0.0 | 915 | 23 | 0.0 |
| 400 | 48 | 0.0 | 530 | 42223 | 92.4 | 660 | 42641 | 0.0 | 790 | 747 | 0.0 | 920 | 24 | 0.0 |
| 405 | 201 | 0.0 | 535 | 44137 | 80.5 | 665 | 37602 | 0.0 | 795 | 639 | 0.0 | 925 | 22 | 0.0 |
| 410 | 457 | 0.1 | 540 | 46032 | 68.2 | 670 | 32798 | 0.0 | 800 | 547 | 0.0 | 930 | 22 | 0.0 |
| 415 | 925 | 0.3 | 545 | 48553 | 57.1 | 675 | 28558 | 0.0 | 805 | 473 | 0.0 | 935 | 17 | 0.0 |
| 420 | 1816 | 1.1 | 550 | 51408 | 46.7 | 680 | 24782 | 0.0 | 810 | 401 | 0.0 | 940 | 13 | 0.0 |
| 425 | 3217 | 2.5 | 555 | 54711 | 37.4 | 685 | 21386 | 0.0 | 815 | 351 | 0.0 | 945 | 6 | 0.0 |
| 430 | 5520 | 5.9 | 560 | 58847 | 29.4 | 690 | 18413 | 0.0 | 820 | 307 | 0.0 | 950 | 10 | 0.0 |
| 435 | 9225 | 12.5 | 565 | 63386 | 22.5 | 695 | 15721 | 0.0 | 825 | 261 | 0.0 | 955 | 11 | 0.0 |
| 440 | 15522 | 26.3 | 570 | 68196 | 16.9 | 700 | 13432 | 0.0 | 830 | 228 | 0.0 | 960 | 8 | 0.0 |
| 445 | 27642 | 55.2 | 575 | 73613 | 12.4 | 705 | 11513 | 0.0 | 835 | 193 | 0.0 | 965 | 12 | 0.0 |
| 450 | 36602 | 85.4 | 580 | 79207 | 9.0 | 710 | 9780 | 0.0 | 840 | 174 | 0.0 | 970 | 3 | 0.0 |
| 455 | 28292 | 75.1 | 585 | 84248 | 6.3 | 715 | 8356 | 0.0 | 845 | 151 | 0.0 | 975 | 8 | 0.0 |
| 460 | 21166 | 63.2 | 590 | 88397 | 4.4 | 720 | 7161 | 0.0 | 850 | 123 | 0.0 | 980 | 2 | 0.0 |
| 465 | 19092 | 63.2 | 595 | 91428 | 3.0 | 725 | 6067 | 0.0 | 855 | 106 | 0.0 | 985 | 13 | 0.0 |
| 470 | 14951 | 54.2 | 600 | 93452 | 2.0 | 730 | 5164 | 0.0 | 860 | 95 | 0.0 | 990 | 16 | 0.0 |
| 475 | 12606 | 48.8 | 605 | 93959 | 1.3 | 735 | 4393 | 0.0 | 865 | 82 | 0.0 | 995 | 20 | 0.0 |
| 480 | 13323 | 54.2 | 610 | 93079 | 0.9 | 740 | 3694 | 0.0 | 870 | 77 | 0.0 | 1000 | 0 | 0.0 |
| 485 | 15164 | 63.3 | 615 | 90707 | 0.5 | 745 | 3157 | 0.0 | 875 | 65 | 0.0 | | | |

REPORT NUMBER: SP1-2407-157-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: 9797

M/P: 2.26

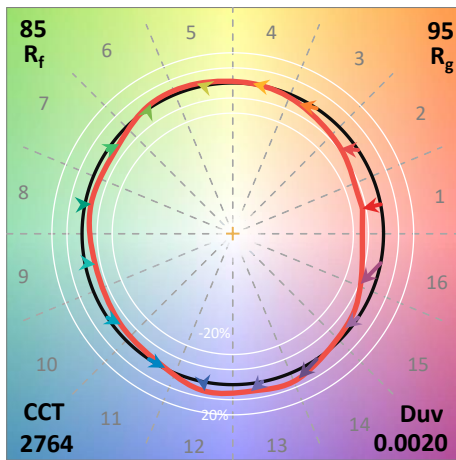
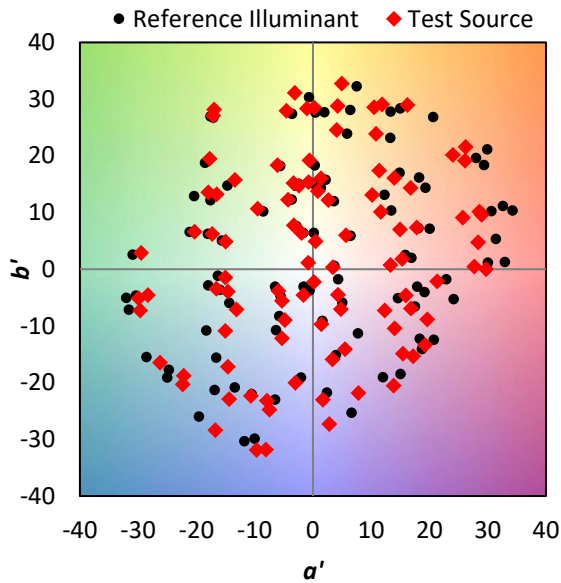
| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 0 | 0.0 | 490 | 18018 | 27.7 | 620 | 87426 | 1.1 | 750 | 2680 | 0.0 | 880 | 58 | 0.0 |
| 365 | 0 | 0.0 | 495 | 22295 | 36.0 | 625 | 83013 | 0.7 | 755 | 2287 | 0.0 | 885 | 46 | 0.0 |
| 370 | 0 | 0.0 | 500 | 26478 | 44.2 | 630 | 78077 | 0.4 | 760 | 1944 | 0.0 | 890 | 45 | 0.0 |
| 375 | 0 | 0.0 | 505 | 30524 | 51.8 | 635 | 72080 | 0.3 | 765 | 1653 | 0.0 | 895 | 41 | 0.0 |
| 380 | 0 | 0.0 | 510 | 33611 | 57.0 | 640 | 66249 | 0.2 | 770 | 1413 | 0.0 | 900 | 38 | 0.0 |
| 385 | 0 | 0.0 | 515 | 36490 | 60.5 | 645 | 59973 | 0.1 | 775 | 1198 | 0.0 | 905 | 33 | 0.0 |
| 390 | 0 | 0.0 | 520 | 38610 | 61.4 | 650 | 53972 | 0.1 | 780 | 1025 | 0.0 | 910 | 30 | 0.0 |
| 395 | 0 | 0.0 | 525 | 40511 | 60.6 | 655 | 48369 | 0.0 | 785 | 874 | 0.0 | 915 | 23 | 0.0 |
| 400 | 48 | 0.0 | 530 | 42223 | 58.2 | 660 | 42641 | 0.0 | 790 | 747 | 0.0 | 920 | 24 | 0.0 |
| 405 | 201 | 0.0 | 535 | 44137 | 55.0 | 665 | 37602 | 0.0 | 795 | 639 | 0.0 | 925 | 22 | 0.0 |
| 410 | 457 | 0.0 | 540 | 46032 | 50.9 | 670 | 32798 | 0.0 | 800 | 547 | 0.0 | 930 | 22 | 0.0 |
| 415 | 925 | 0.1 | 545 | 48553 | 46.6 | 675 | 28558 | 0.0 | 805 | 473 | 0.0 | 935 | 17 | 0.0 |
| 420 | 1816 | 0.3 | 550 | 51408 | 42.0 | 680 | 24782 | 0.0 | 810 | 401 | 0.0 | 940 | 13 | 0.0 |
| 425 | 3217 | 0.8 | 555 | 54711 | 37.4 | 685 | 21386 | 0.0 | 815 | 351 | 0.0 | 945 | 6 | 0.0 |
| 430 | 5520 | 1.9 | 560 | 58847 | 32.9 | 690 | 18413 | 0.0 | 820 | 307 | 0.0 | 950 | 10 | 0.0 |
| 435 | 9225 | 4.1 | 565 | 63386 | 28.4 | 695 | 15721 | 0.0 | 825 | 261 | 0.0 | 955 | 11 | 0.0 |
| 440 | 15522 | 8.7 | 570 | 68196 | 24.1 | 700 | 13432 | 0.0 | 830 | 228 | 0.0 | 960 | 8 | 0.0 |
| 445 | 27642 | 18.5 | 575 | 73613 | 20.0 | 705 | 11513 | 0.0 | 835 | 193 | 0.0 | 965 | 12 | 0.0 |
| 450 | 36602 | 28.3 | 580 | 79207 | 16.3 | 710 | 9780 | 0.0 | 840 | 174 | 0.0 | 970 | 3 | 0.0 |
| 455 | 28292 | 24.7 | 585 | 84248 | 12.9 | 715 | 8356 | 0.0 | 845 | 151 | 0.0 | 975 | 8 | 0.0 |
| 460 | 21166 | 20.4 | 590 | 88397 | 9.8 | 720 | 7161 | 0.0 | 850 | 123 | 0.0 | 980 | 2 | 0.0 |
| 465 | 19092 | 20.1 | 595 | 91428 | 7.3 | 725 | 6067 | 0.0 | 855 | 106 | 0.0 | 985 | 13 | 0.0 |
| 470 | 14951 | 17.2 | 600 | 93452 | 5.3 | 730 | 5164 | 0.0 | 860 | 95 | 0.0 | 990 | 16 | 0.0 |
| 475 | 12606 | 15.7 | 605 | 93959 | 3.7 | 735 | 4393 | 0.0 | 865 | 82 | 0.0 | 995 | 20 | 0.0 |
| 480 | 13323 | 18.0 | 610 | 93079 | 2.5 | 740 | 3694 | 0.0 | 870 | 77 | 0.0 | 1000 | 0 | 0.0 |
| 485 | 15164 | 21.9 | 615 | 90707 | 1.7 | 745 | 3157 | 0.0 | 875 | 65 | 0.0 | | | |

Summary

$R_f = 84.7$
 $R_g = 94.6$
 $CIE R_a = 80.9$
 $R_g = -1.5$

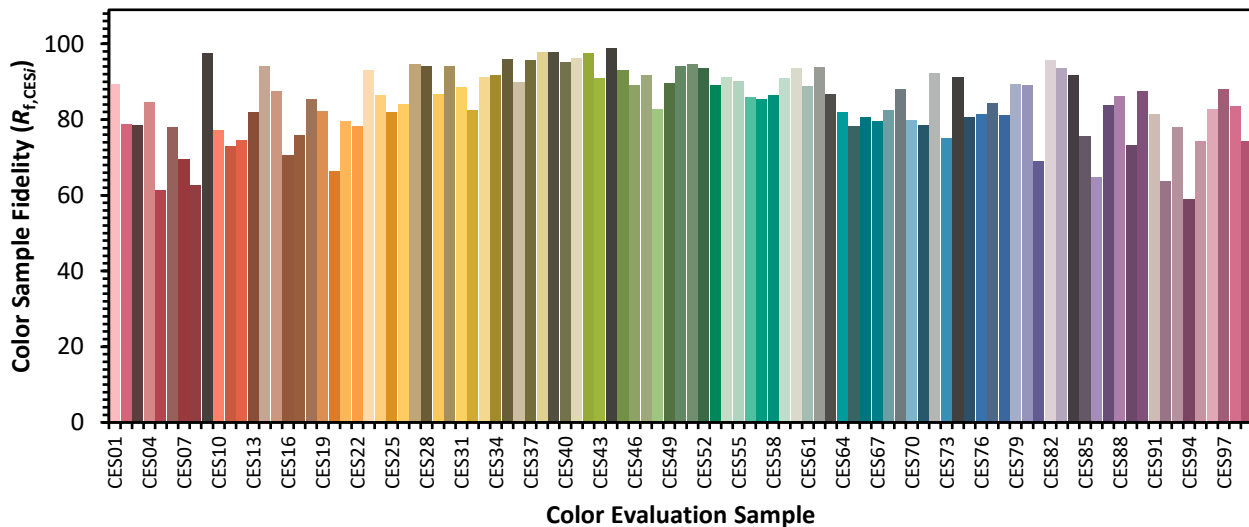


Color Vector Graphics

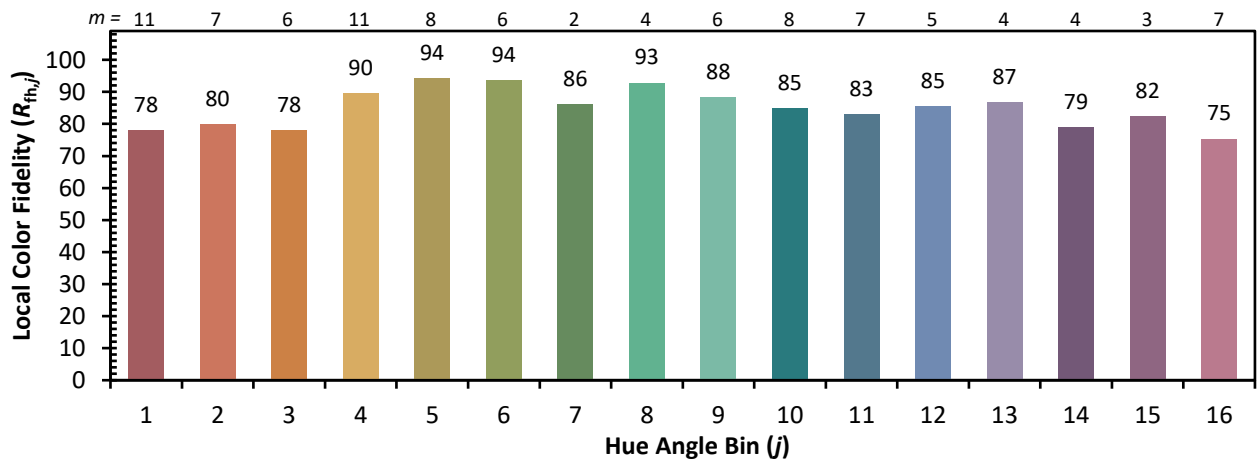
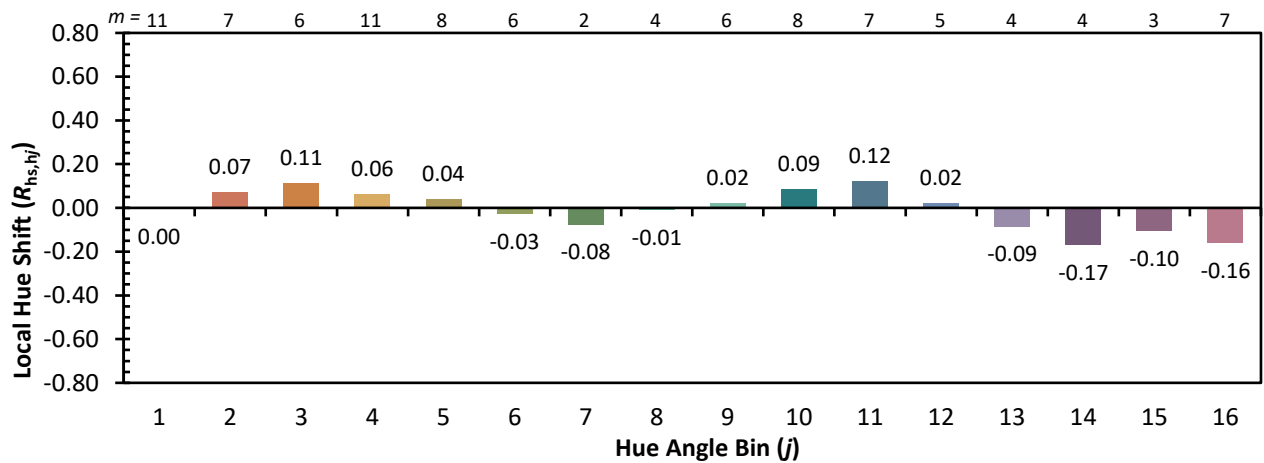
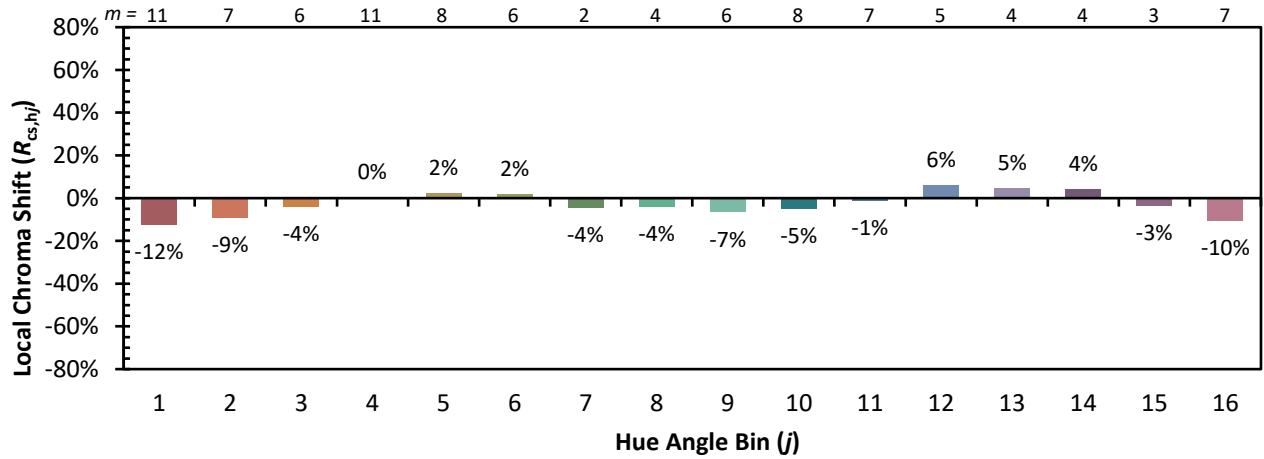


Individual Sample Fidelity Index ($R_{f,i}$)

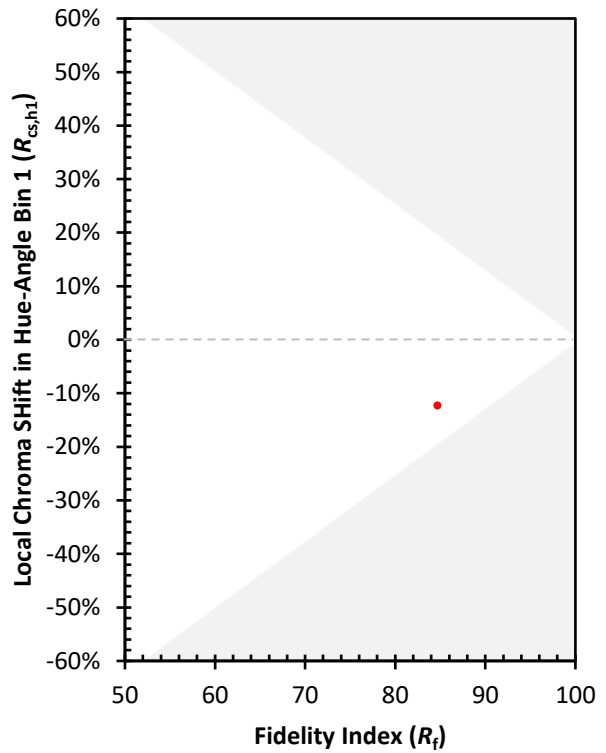
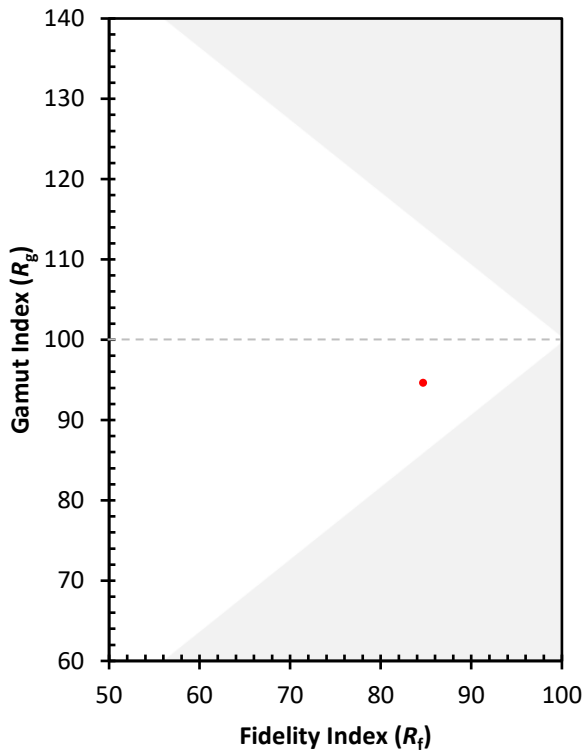
| | | | |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 84 | CES51 = 95 | CES76 = 81 |
| CES02 = 63 | CES27 = 95 | CES52 = 94 | CES77 = 84 |
| CES03 = 31 | CES28 = 94 | CES53 = 89 | CES78 = 81 |
| CES04 = 71 | CES29 = 87 | CES54 = 91 | CES79 = 89 |
| CES05 = 50 | CES30 = 94 | CES55 = 90 | CES80 = 89 |
| CES06 = 52 | CES31 = 89 | CES56 = 86 | CES81 = 69 |
| CES07 = 43 | CES32 = 82 | CES57 = 85 | CES82 = 96 |
| CES08 = 41 | CES33 = 91 | CES58 = 86 | CES83 = 93 |
| CES09 = 29 | CES34 = 92 | CES59 = 91 | CES84 = 92 |
| CES10 = 77 | CES35 = 96 | CES60 = 94 | CES85 = 76 |
| CES11 = 60 | CES36 = 90 | CES61 = 89 | CES86 = 65 |
| CES12 = 66 | CES37 = 96 | CES62 = 94 | CES87 = 84 |
| CES13 = 44 | CES38 = 98 | CES63 = 87 | CES88 = 86 |
| CES14 = 74 | CES39 = 98 | CES64 = 82 | CES89 = 73 |
| CES15 = 72 | CES40 = 95 | CES65 = 78 | CES90 = 88 |
| CES16 = 48 | CES41 = 96 | CES66 = 81 | CES91 = 82 |
| CES17 = 50 | CES42 = 97 | CES67 = 80 | CES92 = 64 |
| CES18 = 57 | CES43 = 91 | CES68 = 83 | CES93 = 78 |
| CES19 = 73 | CES44 = 99 | CES69 = 88 | CES94 = 59 |
| CES20 = 67 | CES45 = 93 | CES70 = 80 | CES95 = 74 |
| CES21 = 87 | CES46 = 89 | CES71 = 79 | CES96 = 83 |
| CES22 = 79 | CES47 = 92 | CES72 = 92 | CES97 = 88 |
| CES23 = 92 | CES48 = 83 | CES73 = 75 | CES98 = 83 |
| CES24 = 91 | CES49 = 90 | CES74 = 91 | CES99 = 74 |
| CES25 = 72 | CES50 = 94 | CES75 = 81 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)