

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: P386673

Luminaire Tested: **GPC-SA2B-760-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386673  
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-760-U-SLR  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(2) 70 CRI, 5700K, 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: 10482 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

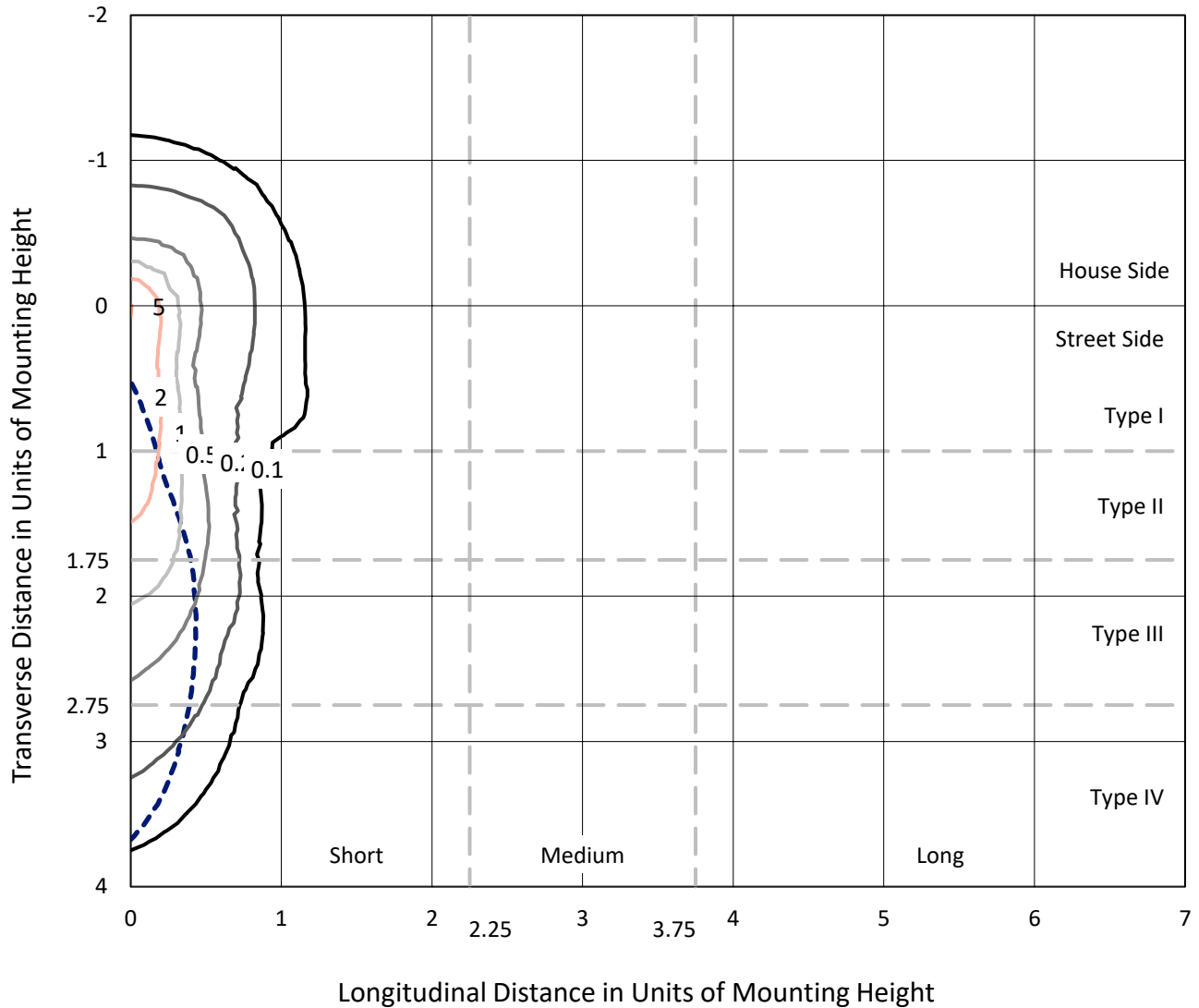
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

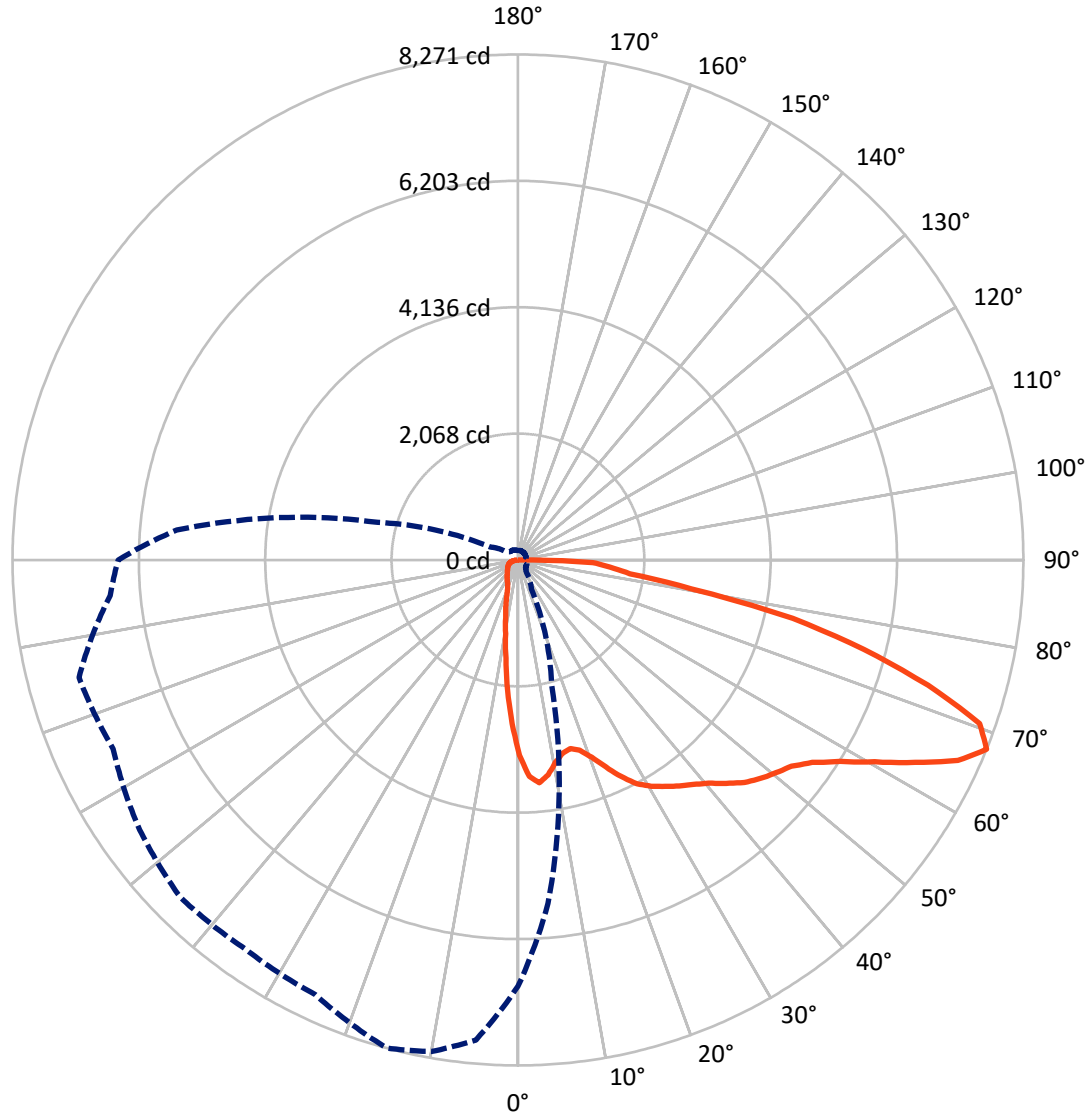
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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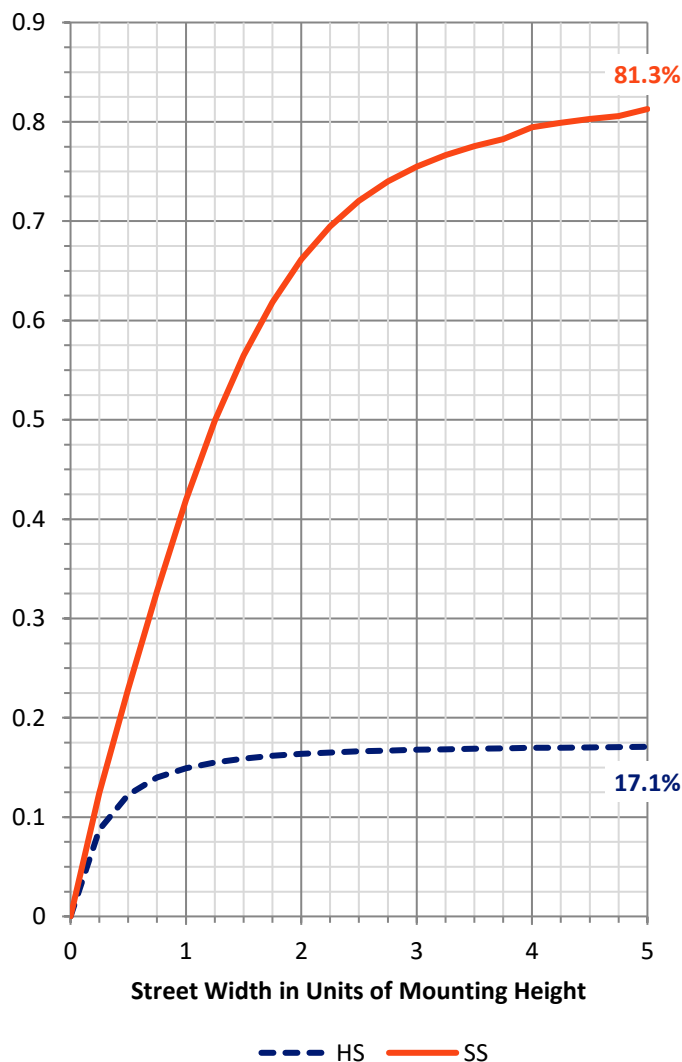
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1812.1   | 0.0    | 1812.1  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 8669.9   | 0.0    | 8669.9  |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 10482.0  | 0.0    | 10482.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 246.5   | 2.4       |
| 10°-20°   | 512.0   | 4.9       |
| 20°-30°   | 728.2   | 6.9       |
| 30°-40°   | 1049.3  | 10.0      |
| 40°-50°   | 1478.7  | 14.1      |
| 50°-60°   | 2055.7  | 19.6      |
| 60°-70°   | 2486.0  | 23.7      |
| 70°-80°   | 1528.1  | 14.6      |
| 80°-90°   | 397.6   | 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°    | 10482.0 | 100.0     |
| 0°-180°   | 10482.0 | 100.0     |

**Coefficient of Utilization**

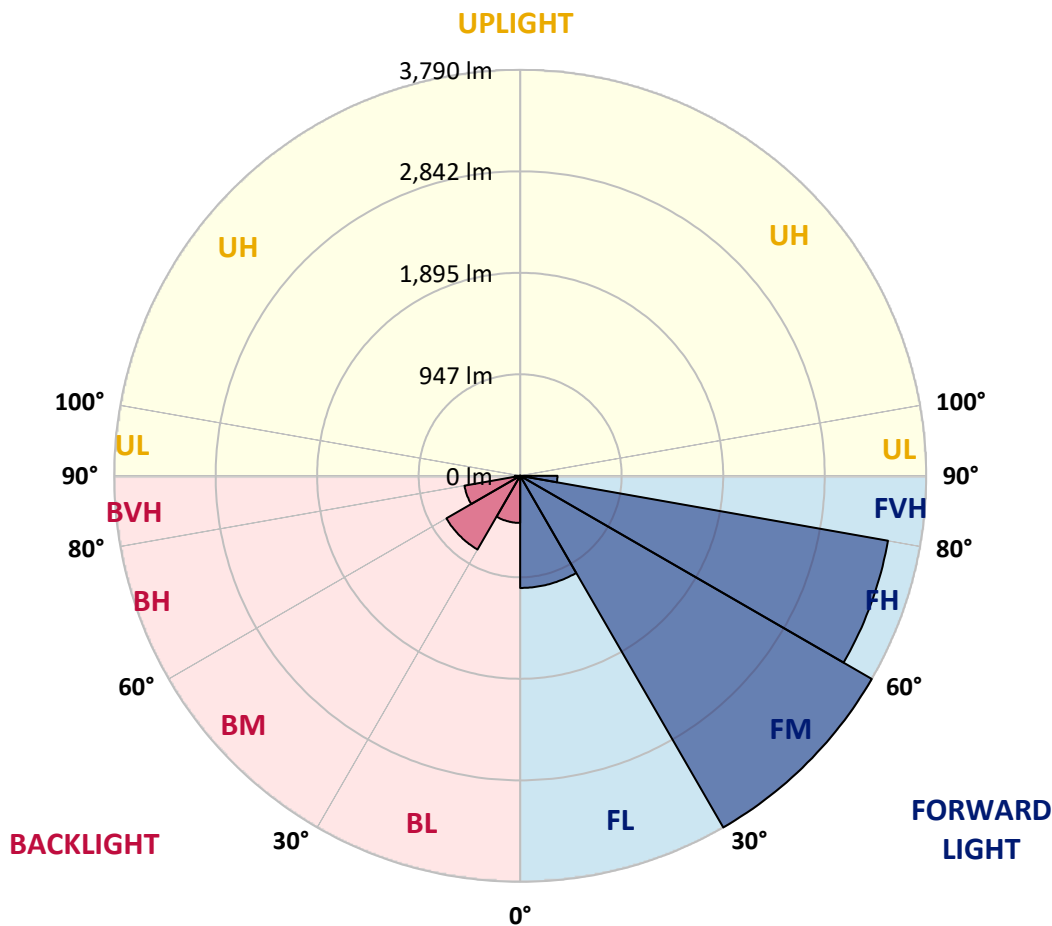


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1046.6 | 10.0      |                         |      |         |
| FM (30°-60°)   | 3789.5 | 36.2      |                         |      |         |
| FH (60°-80°)   | 3486.0 | 33.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 347.8  | 3.3       |                         |      | G3/500  |
| BL (0°-30°)    | 440.0  | 4.2       | B1/500                  |      |         |
| BM (30°-60°)   | 794.2  | 7.6       | B1/1000                 |      |         |
| BH (60°-80°)   | 528.1  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 49.8   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 |
| 2.5°   | 3421.0 | 3390.8 | 3345.1 | 3299.4 | 3265.5 | 3231.1 | 3192.2 | 3153.2 | 3108.8 | 3063.9 | 3037.5 |
| 5°     | 3364.4 | 3280.6 | 3171.6 | 3062.7 | 2990.6 | 2918.5 | 2836.8 | 2755.1 | 2674.2 | 2593.3 | 2549.7 |
| 7.5°   | 3109.6 | 2983.9 | 2842.2 | 2700.6 | 2595.8 | 2490.6 | 2377.5 | 2263.9 | 2163.3 | 2062.3 | 1999.9 |
| 10°    | 2859.0 | 2708.1 | 2545.5 | 2382.5 | 2248.4 | 2114.3 | 2000.7 | 1886.7 | 1810.9 | 1735.0 | 1677.6 |
| 12.5°  | 2679.2 | 2512.0 | 2333.0 | 2153.7 | 2019.6 | 1885.5 | 1813.4 | 1741.3 | 1678.4 | 1615.6 | 1549.4 |
| 15°    | 2608.0 | 2418.9 | 2235.8 | 2052.3 | 1930.3 | 1808.3 | 1728.3 | 1647.8 | 1563.6 | 1478.9 | 1397.6 |
| 17.5°  | 2670.8 | 2449.5 | 2250.5 | 2051.4 | 1891.7 | 1732.1 | 1620.2 | 1507.9 | 1396.8 | 1285.7 | 1191.5 |
| 20°    | 2866.9 | 2584.5 | 2324.2 | 2063.6 | 1851.1 | 1638.6 | 1488.6 | 1338.1 | 1195.6 | 1053.2 | 946.3  |
| 22.5°  | 3142.3 | 2768.5 | 2428.6 | 2088.7 | 1814.2 | 1539.3 | 1351.1 | 1162.5 | 994.1  | 825.6  | 720.8  |
| 25°    | 3476.7 | 3012.4 | 2579.0 | 2145.3 | 1799.1 | 1452.5 | 1221.2 | 989.9  | 812.2  | 634.1  | 559.5  |
| 27.5°  | 3829.2 | 3303.2 | 2765.9 | 2228.3 | 1801.6 | 1375.0 | 1111.8 | 848.2  | 688.1  | 528.0  | 476.9  |
| 30°    | 4122.9 | 3635.5 | 2983.9 | 2331.8 | 1811.3 | 1290.8 | 1008.7 | 726.7  | 594.7  | 462.7  | 429.6  |
| 32.5°  | 4391.6 | 3867.3 | 3148.2 | 2428.6 | 1822.2 | 1215.3 | 929.1  | 642.5  | 534.8  | 426.6  | 399.4  |
| 35°    | 4669.0 | 4073.1 | 3263.0 | 2452.5 | 1803.3 | 1153.7 | 874.6  | 595.5  | 496.2  | 396.5  | 373.4  |
| 37.5°  | 4974.5 | 4295.6 | 3373.6 | 2451.2 | 1771.5 | 1091.7 | 832.3  | 572.5  | 471.0  | 369.2  | 352.4  |
| 40°    | 5315.2 | 4541.6 | 3493.5 | 2445.4 | 1742.5 | 1039.3 | 800.9  | 562.0  | 457.2  | 352.0  | 337.8  |
| 42.5°  | 5648.4 | 4776.3 | 3605.0 | 2433.6 | 1719.1 | 1004.1 | 769.9  | 535.6  | 444.6  | 353.3  | 333.2  |
| 45°    | 5898.6 | 4981.2 | 3701.8 | 2421.9 | 1701.5 | 981.1  | 745.5  | 510.0  | 432.9  | 355.8  | 330.2  |
| 47.5°  | 6088.4 | 5187.0 | 3809.0 | 2430.7 | 1699.8 | 968.9  | 728.4  | 487.8  | 410.7  | 333.2  | 322.7  |
| 50°    | 6329.8 | 5434.3 | 3965.4 | 2496.5 | 1722.9 | 949.2  | 708.3  | 466.9  | 389.3  | 311.8  | 326.0  |
| 52.5°  | 6630.3 | 5787.1 | 4207.6 | 2627.7 | 1771.0 | 914.4  | 676.4  | 438.4  | 363.3  | 287.9  | 310.1  |
| 55°    | 7071.6 | 6239.3 | 4517.3 | 2794.9 | 1829.3 | 863.3  | 628.2  | 392.7  | 329.0  | 264.9  | 284.6  |
| 57.5°  | 7467.6 | 6696.1 | 4814.4 | 2932.3 | 1865.8 | 798.8  | 567.4  | 336.1  | 290.4  | 244.7  | 256.1  |
| 60°    | 7644.1 | 6931.6 | 4953.6 | 2975.1 | 1844.0 | 712.9  | 499.1  | 285.0  | 256.5  | 228.0  | 225.9  |
| 62.5°  | 7575.3 | 6782.0 | 4816.5 | 2851.0 | 1737.5 | 624.0  | 438.8  | 253.5  | 232.2  | 210.4  | 205.8  |
| 65°    | 7374.2 | 6311.8 | 4432.6 | 2553.5 | 1557.7 | 562.0  | 400.6  | 239.3  | 215.4  | 191.5  | 186.5  |
| 67.5°  | 6977.7 | 5642.5 | 3888.7 | 2134.8 | 1329.3 | 523.9  | 378.9  | 233.8  | 204.9  | 175.6  | 169.7  |
| 70°    | 6266.1 | 4837.1 | 3262.1 | 1686.8 | 1093.8 | 500.4  | 364.6  | 228.8  | 193.6  | 158.0  | 152.5  |
| 72.5°  | 5146.8 | 3878.2 | 2605.0 | 1331.4 | 914.4  | 497.5  | 362.9  | 228.4  | 184.4  | 140.4  | 135.4  |
| 75°    | 3685.0 | 2945.7 | 1988.5 | 1030.9 | 748.9  | 466.9  | 344.5  | 222.1  | 171.8  | 121.1  | 116.5  |
| 77.5°  | 2479.7 | 2038.8 | 1382.1 | 725.0  | 555.7  | 386.4  | 289.6  | 192.8  | 147.1  | 101.4  | 96.8   |
| 80°    | 1592.5 | 1411.1 | 926.2  | 441.3  | 360.4  | 279.5  | 207.0  | 134.5  | 107.3  | 79.6   | 75.9   |
| 82.5°  | 1168.4 | 1050.2 | 643.7  | 237.2  | 200.3  | 163.0  | 126.6  | 90.1   | 73.3   | 56.6   | 54.9   |
| 85°    | 742.6  | 818.9  | 474.0  | 129.1  | 105.6  | 82.1   | 67.9   | 53.6   | 42.3   | 31.0   | 31.0   |
| 87.5°  | 144.2  | 199.5  | 131.2  | 62.4   | 45.7   | 28.9   | 24.7   | 20.1   | 11.3   | 2.1    | 2.5    |
| 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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**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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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 |
| 2.5°   | 3010.7 | 2981.8 | 2952.9 | 2920.2 | 2887.1 | 2856.5 | 2825.5 | 2791.5 | 2797.8 | 2771.8 | 2745.8 |
| 5°     | 2506.1 | 2460.0 | 2413.5 | 2373.3 | 2333.0 | 2298.3 | 2263.0 | 2231.6 | 2258.9 | 2240.4 | 2222.0 |
| 7.5°   | 1937.0 | 1880.0 | 1822.6 | 1774.4 | 1726.2 | 1688.9 | 1651.2 | 1625.2 | 1652.0 | 1648.7 | 1645.3 |
| 10°    | 1620.2 | 1564.9 | 1509.1 | 1455.9 | 1402.7 | 1357.4 | 1311.7 | 1273.2 | 1266.5 | 1247.2 | 1227.5 |
| 12.5°  | 1482.7 | 1406.9 | 1330.6 | 1274.9 | 1219.1 | 1165.1 | 1111.0 | 1065.7 | 1045.2 | 1013.3 | 981.1  |
| 15°    | 1316.3 | 1226.7 | 1137.0 | 1073.7 | 1010.0 | 957.6  | 904.8  | 865.8  | 852.8  | 828.1  | 803.4  |
| 17.5°  | 1097.2 | 999.1  | 901.0  | 836.9  | 772.4  | 730.5  | 688.1  | 662.2  | 662.2  | 655.0  | 647.9  |
| 20°    | 839.4  | 751.8  | 664.2  | 615.2  | 566.2  | 544.0  | 521.3  | 510.4  | 513.8  | 514.2  | 514.2  |
| 22.5°  | 615.6  | 562.0  | 508.3  | 488.7  | 468.5  | 460.6  | 452.6  | 448.0  | 449.7  | 450.1  | 450.5  |
| 25°    | 484.9  | 464.3  | 443.4  | 433.3  | 422.9  | 417.8  | 412.8  | 411.1  | 414.9  | 415.3  | 415.3  |
| 27.5°  | 425.8  | 413.2  | 400.2  | 393.9  | 387.2  | 385.1  | 383.0  | 380.1  | 383.9  | 383.9  | 383.5  |
| 30°    | 396.0  | 382.6  | 369.2  | 361.2  | 353.3  | 354.1  | 354.5  | 353.7  | 356.2  | 357.9  | 359.2  |
| 32.5°  | 371.7  | 358.7  | 345.7  | 337.8  | 329.4  | 328.1  | 326.9  | 326.0  | 331.5  | 334.4  | 337.4  |
| 35°    | 349.9  | 335.7  | 321.4  | 313.9  | 306.3  | 303.4  | 300.5  | 298.4  | 303.4  | 307.2  | 311.0  |
| 37.5°  | 335.3  | 320.6  | 305.5  | 298.4  | 290.8  | 287.1  | 283.3  | 280.8  | 282.9  | 284.6  | 286.2  |
| 40°    | 323.5  | 308.4  | 292.9  | 284.6  | 276.2  | 272.4  | 268.6  | 266.5  | 267.8  | 268.2  | 268.6  |
| 42.5°  | 312.6  | 298.0  | 283.3  | 274.1  | 264.4  | 259.8  | 255.2  | 252.7  | 253.5  | 254.4  | 254.8  |
| 45°    | 304.7  | 290.0  | 274.9  | 264.0  | 252.7  | 247.7  | 242.6  | 239.7  | 240.1  | 240.1  | 240.1  |
| 47.5°  | 312.2  | 290.8  | 269.1  | 256.5  | 243.5  | 237.6  | 231.8  | 228.8  | 228.0  | 227.1  | 226.3  |
| 50°    | 339.9  | 303.4  | 266.5  | 250.6  | 234.3  | 228.0  | 221.3  | 217.9  | 215.8  | 215.0  | 214.2  |
| 52.5°  | 331.9  | 300.5  | 268.6  | 248.1  | 227.1  | 219.6  | 212.1  | 206.6  | 204.5  | 203.3  | 202.0  |
| 55°    | 303.8  | 284.1  | 264.0  | 239.3  | 214.6  | 207.9  | 200.7  | 197.0  | 193.2  | 192.4  | 191.5  |
| 57.5°  | 267.0  | 259.0  | 251.0  | 225.9  | 200.7  | 194.5  | 187.7  | 185.2  | 181.9  | 181.9  | 181.5  |
| 60°    | 223.4  | 235.1  | 246.8  | 217.9  | 188.6  | 181.5  | 174.3  | 172.2  | 171.0  | 170.6  | 170.1  |
| 62.5°  | 200.7  | 220.0  | 238.9  | 208.3  | 177.3  | 169.7  | 162.2  | 159.7  | 159.3  | 159.7  | 159.7  |
| 65°    | 181.5  | 187.3  | 193.2  | 178.9  | 164.7  | 157.2  | 149.2  | 146.7  | 147.5  | 148.8  | 150.0  |
| 67.5°  | 163.9  | 162.6  | 161.3  | 156.3  | 150.9  | 144.6  | 137.9  | 135.4  | 135.8  | 137.5  | 139.1  |
| 70°    | 147.1  | 145.4  | 143.3  | 139.6  | 135.8  | 130.3  | 124.9  | 123.2  | 122.8  | 124.9  | 126.6  |
| 72.5°  | 130.3  | 128.2  | 125.7  | 122.8  | 119.4  | 114.8  | 110.2  | 109.0  | 109.4  | 110.6  | 111.9  |
| 75°    | 111.9  | 110.2  | 108.1  | 105.6  | 102.7  | 98.5   | 94.3   | 93.5   | 94.3   | 95.6   | 96.8   |
| 77.5°  | 91.8   | 91.4   | 90.5   | 88.4   | 86.3   | 81.7   | 76.7   | 76.3   | 77.5   | 78.8   | 79.6   |
| 80°    | 71.7   | 72.1   | 72.5   | 70.8   | 69.1   | 64.1   | 58.7   | 58.3   | 59.5   | 60.8   | 62.0   |
| 82.5°  | 52.8   | 54.1   | 54.9   | 52.8   | 50.7   | 44.8   | 39.0   | 38.1   | 42.3   | 43.6   | 44.8   |
| 85°    | 30.6   | 32.3   | 33.9   | 32.3   | 30.6   | 24.7   | 18.9   | 18.4   | 22.2   | 24.3   | 26.4   |
| 87.5°  | 2.5    | 3.4    | 4.2    | 3.8    | 3.4    | 1.7    | 0.0    | 0.0    | 0.4    | 2.1    | 3.8    |
| 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: P386673  
 CATALOG NUMBER: GPC-SA2B-760-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: P386673

CATALOG NUMBER: GPC-SA2B-760-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 |
| 2.5°   | 2729.5 | 2713.1 | 2708.1 | 2703.1 | 2684.6 | 2665.8 | 2685.1 | 2703.9 | 2711.9 | 2719.8 | 2699.3 |
| 5°     | 2219.5 | 2216.5 | 2216.5 | 2216.1 | 2199.3 | 2182.2 | 2195.2 | 2207.7 | 2179.7 | 2151.6 | 2148.6 |
| 7.5°   | 1663.3 | 1681.4 | 1696.0 | 1710.3 | 1704.8 | 1699.4 | 1711.5 | 1723.7 | 1688.1 | 1652.0 | 1634.4 |
| 10°    | 1231.7 | 1235.5 | 1251.4 | 1267.3 | 1271.1 | 1274.4 | 1289.5 | 1304.2 | 1276.5 | 1248.9 | 1236.7 |
| 12.5°  | 961.0  | 940.8  | 942.9  | 944.6  | 952.2  | 959.3  | 975.2  | 990.7  | 979.4  | 967.7  | 968.9  |
| 15°    | 778.2  | 752.7  | 742.2  | 731.3  | 739.7  | 748.1  | 759.4  | 770.3  | 770.7  | 770.7  | 781.6  |
| 17.5°  | 635.3  | 622.3  | 611.9  | 601.0  | 612.3  | 623.2  | 624.4  | 625.7  | 626.1  | 626.5  | 625.7  |
| 20°    | 520.5  | 526.8  | 523.4  | 520.1  | 524.3  | 528.0  | 531.4  | 534.3  | 530.6  | 526.4  | 515.9  |
| 22.5°  | 456.4  | 461.8  | 466.0  | 469.8  | 476.9  | 483.6  | 480.3  | 476.5  | 469.0  | 461.0  | 453.0  |
| 25°    | 419.1  | 422.9  | 427.0  | 431.2  | 437.1  | 442.6  | 436.7  | 430.8  | 425.4  | 419.9  | 414.5  |
| 27.5°  | 387.7  | 391.4  | 395.2  | 398.5  | 404.0  | 409.0  | 403.6  | 398.1  | 393.5  | 388.9  | 384.7  |
| 30°    | 362.1  | 364.6  | 367.5  | 370.5  | 375.5  | 380.1  | 375.5  | 370.5  | 367.1  | 363.3  | 360.4  |
| 32.5°  | 340.3  | 342.8  | 344.1  | 345.3  | 349.9  | 354.5  | 351.2  | 347.8  | 344.9  | 342.0  | 339.9  |
| 35°    | 316.4  | 321.4  | 322.3  | 323.1  | 327.7  | 332.3  | 330.2  | 327.7  | 324.4  | 321.0  | 317.2  |
| 37.5°  | 292.1  | 298.0  | 301.3  | 304.3  | 308.9  | 313.5  | 311.4  | 309.3  | 304.7  | 300.1  | 293.4  |
| 40°    | 271.6  | 274.1  | 280.4  | 286.2  | 293.8  | 300.9  | 296.7  | 292.1  | 285.0  | 277.9  | 274.5  |
| 42.5°  | 254.4  | 254.0  | 259.8  | 265.7  | 277.0  | 287.9  | 280.4  | 272.8  | 266.1  | 259.4  | 258.6  |
| 45°    | 239.3  | 238.0  | 241.0  | 243.9  | 256.1  | 267.8  | 260.3  | 252.3  | 248.5  | 244.7  | 244.7  |
| 47.5°  | 225.9  | 225.0  | 227.1  | 228.8  | 236.4  | 243.5  | 239.7  | 235.9  | 233.8  | 231.8  | 232.2  |
| 50°    | 213.7  | 212.9  | 215.0  | 216.7  | 219.6  | 222.1  | 223.0  | 223.4  | 222.1  | 220.9  | 221.7  |
| 52.5°  | 202.4  | 202.4  | 203.3  | 203.7  | 207.4  | 211.2  | 211.2  | 210.8  | 210.8  | 210.8  | 211.6  |
| 55°    | 192.8  | 193.6  | 193.6  | 193.6  | 199.5  | 204.9  | 203.3  | 201.6  | 202.0  | 202.0  | 202.8  |
| 57.5°  | 183.1  | 184.4  | 185.2  | 186.1  | 191.9  | 197.8  | 196.1  | 194.5  | 194.5  | 194.5  | 194.9  |
| 60°    | 172.2  | 173.9  | 175.6  | 177.3  | 183.1  | 189.0  | 187.3  | 185.2  | 185.7  | 186.1  | 186.5  |
| 62.5°  | 161.8  | 163.4  | 165.1  | 166.8  | 172.7  | 178.5  | 176.9  | 174.8  | 176.0  | 176.9  | 176.9  |
| 65°    | 151.7  | 153.0  | 154.6  | 156.3  | 161.8  | 167.2  | 165.5  | 163.9  | 165.5  | 166.8  | 167.6  |
| 67.5°  | 140.4  | 141.2  | 142.9  | 144.6  | 150.0  | 155.5  | 153.8  | 151.7  | 153.8  | 155.5  | 157.2  |
| 70°    | 127.4  | 128.2  | 130.3  | 132.0  | 137.5  | 142.9  | 140.8  | 138.7  | 140.8  | 142.9  | 144.6  |
| 72.5°  | 113.2  | 114.0  | 116.1  | 117.8  | 124.0  | 130.3  | 127.8  | 125.3  | 127.8  | 130.3  | 131.2  |
| 75°    | 97.6   | 98.5   | 101.0  | 103.1  | 109.4  | 115.7  | 113.6  | 111.1  | 113.2  | 115.2  | 115.7  |
| 77.5°  | 80.9   | 82.1   | 85.5   | 88.8   | 93.9   | 98.9   | 97.6   | 96.4   | 97.6   | 98.9   | 98.9   |
| 80°    | 63.3   | 64.5   | 68.7   | 72.5   | 75.4   | 78.4   | 78.8   | 79.2   | 79.6   | 80.0   | 79.6   |
| 82.5°  | 46.9   | 48.6   | 52.4   | 56.2   | 56.2   | 56.2   | 59.5   | 62.4   | 62.4   | 62.0   | 61.6   |
| 85°    | 28.9   | 31.0   | 34.4   | 37.7   | 35.6   | 33.5   | 39.0   | 44.0   | 44.0   | 43.6   | 42.7   |
| 87.5°  | 5.9    | 8.0    | 11.3   | 14.2   | 12.2   | 10.1   | 15.5   | 21.0   | 21.4   | 21.4   | 20.5   |
| 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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**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  |



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**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 |
| 2.5°   | 2678.4 | 2711.0 | 2743.3 | 2751.7 | 2764.3 | 2769.7 | 2774.7 | 2815.8 | 2856.5 | 2904.2 | 2952.0 |
| 5°     | 2145.3 | 2169.6 | 2193.9 | 2197.7 | 2210.7 | 2217.4 | 2224.1 | 2273.9 | 2323.4 | 2390.0 | 2456.7 |
| 7.5°   | 1616.8 | 1622.7 | 1628.6 | 1627.7 | 1638.6 | 1653.3 | 1667.5 | 1720.8 | 1773.6 | 1845.2 | 1916.5 |
| 10°    | 1224.6 | 1238.0 | 1251.0 | 1263.1 | 1287.0 | 1314.7 | 1341.9 | 1396.4 | 1450.9 | 1521.7 | 1592.1 |
| 12.5°  | 970.2  | 985.7  | 1000.8 | 1014.2 | 1041.8 | 1078.7 | 1115.2 | 1180.6 | 1245.9 | 1330.6 | 1414.8 |
| 15°    | 792.1  | 790.8  | 789.6  | 798.8  | 823.1  | 863.3  | 903.1  | 972.3  | 1041.4 | 1134.5 | 1227.1 |
| 17.5°  | 624.9  | 618.6  | 612.3  | 619.4  | 642.0  | 675.1  | 707.8  | 766.5  | 824.8  | 914.9  | 1005.0 |
| 20°    | 505.4  | 501.2  | 497.0  | 503.7  | 518.0  | 531.8  | 545.6  | 588.0  | 629.9  | 703.2  | 776.1  |
| 22.5°  | 444.6  | 444.2  | 443.4  | 447.2  | 453.9  | 461.0  | 467.7  | 488.2  | 508.3  | 555.7  | 602.6  |
| 25°    | 409.0  | 408.6  | 408.2  | 409.9  | 415.3  | 420.8  | 426.2  | 439.6  | 453.0  | 475.7  | 498.3  |
| 27.5°  | 380.5  | 379.7  | 378.9  | 379.3  | 380.5  | 388.9  | 396.9  | 403.2  | 409.0  | 424.5  | 439.6  |
| 30°    | 357.5  | 357.1  | 356.6  | 356.6  | 355.4  | 358.3  | 361.2  | 370.9  | 380.1  | 396.0  | 412.0  |
| 32.5°  | 337.8  | 335.7  | 333.6  | 329.0  | 326.0  | 330.2  | 334.4  | 344.5  | 354.5  | 369.2  | 383.9  |
| 35°    | 313.1  | 307.6  | 301.7  | 299.2  | 299.6  | 303.8  | 308.0  | 318.1  | 327.7  | 343.6  | 359.2  |
| 37.5°  | 286.2  | 284.6  | 282.5  | 282.0  | 283.3  | 287.5  | 291.7  | 300.5  | 308.9  | 324.8  | 340.3  |
| 40°    | 271.1  | 270.3  | 269.5  | 268.6  | 269.5  | 273.7  | 277.9  | 286.2  | 294.2  | 309.7  | 324.8  |
| 42.5°  | 257.7  | 257.3  | 256.9  | 256.9  | 257.3  | 261.9  | 266.5  | 274.9  | 282.9  | 296.7  | 310.5  |
| 45°    | 244.7  | 245.2  | 245.2  | 246.0  | 247.3  | 251.9  | 256.1  | 265.3  | 274.5  | 287.9  | 301.3  |
| 47.5°  | 232.6  | 233.8  | 234.7  | 236.8  | 238.0  | 243.1  | 247.7  | 257.7  | 267.8  | 284.6  | 300.9  |
| 50°    | 222.1  | 223.4  | 224.2  | 225.9  | 229.2  | 235.1  | 241.0  | 253.1  | 264.9  | 292.9  | 320.6  |
| 52.5°  | 212.5  | 213.7  | 215.0  | 216.7  | 220.9  | 227.6  | 234.3  | 249.4  | 264.0  | 296.7  | 329.4  |
| 55°    | 203.7  | 204.9  | 205.8  | 208.3  | 212.5  | 218.3  | 223.8  | 242.2  | 260.7  | 284.6  | 308.4  |
| 57.5°  | 195.3  | 196.6  | 197.4  | 199.1  | 201.2  | 207.4  | 213.3  | 233.0  | 252.7  | 269.5  | 285.8  |
| 60°    | 186.5  | 187.3  | 187.7  | 187.7  | 189.4  | 196.6  | 203.7  | 228.8  | 253.5  | 250.6  | 247.3  |
| 62.5°  | 176.9  | 177.7  | 178.1  | 176.9  | 178.9  | 186.5  | 194.0  | 226.7  | 259.4  | 239.3  | 219.2  |
| 65°    | 168.1  | 167.6  | 167.2  | 166.0  | 168.5  | 176.0  | 183.1  | 199.5  | 215.8  | 207.9  | 199.9  |
| 67.5°  | 158.4  | 157.2  | 155.9  | 154.2  | 156.7  | 163.4  | 169.7  | 175.2  | 180.6  | 181.5  | 182.3  |
| 70°    | 146.3  | 144.6  | 142.9  | 142.5  | 143.7  | 149.2  | 154.6  | 158.4  | 161.8  | 163.4  | 164.7  |
| 72.5°  | 132.0  | 130.8  | 129.5  | 128.7  | 129.1  | 133.7  | 137.9  | 141.2  | 144.6  | 145.8  | 146.7  |
| 75°    | 116.1  | 116.1  | 115.7  | 113.2  | 113.2  | 116.9  | 120.3  | 123.2  | 126.1  | 127.8  | 129.5  |
| 77.5°  | 98.9   | 99.3   | 99.3   | 96.0   | 95.6   | 99.3   | 102.7  | 105.2  | 107.3  | 109.0  | 110.2  |
| 80°    | 79.2   | 78.4   | 77.5   | 75.4   | 74.6   | 79.2   | 83.4   | 85.5   | 87.2   | 87.6   | 87.6   |
| 82.5°  | 60.8   | 59.1   | 57.0   | 52.4   | 52.8   | 57.8   | 62.4   | 64.1   | 65.8   | 65.8   | 65.8   |
| 85°    | 41.5   | 38.1   | 34.4   | 30.6   | 31.0   | 36.5   | 41.5   | 43.2   | 44.8   | 45.7   | 46.1   |
| 87.5°  | 19.7   | 16.3   | 12.6   | 9.6    | 9.6    | 14.2   | 18.4   | 19.3   | 20.1   | 21.8   | 23.5   |
| 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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**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  |



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**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 |
| 2.5°   | 2988.5 | 3024.5 | 3061.8 | 3099.1 | 3141.9 | 3184.6 | 3234.5 | 3283.9 | 3326.3 | 3368.6 | 3403.8 |
| 5°     | 2514.1 | 2571.5 | 2639.0 | 2706.4 | 2792.4 | 2878.3 | 2983.5 | 3088.2 | 3181.7 | 3275.1 | 3383.7 |
| 7.5°   | 1991.5 | 2066.1 | 2154.1 | 2242.1 | 2353.2 | 2464.2 | 2600.4 | 2736.6 | 2868.6 | 3000.2 | 3167.0 |
| 10°    | 1670.5 | 1748.8 | 1835.6 | 1921.9 | 2035.1 | 2147.8 | 2292.0 | 2435.7 | 2584.1 | 2732.0 | 2920.6 |
| 12.5°  | 1502.0 | 1588.7 | 1665.0 | 1741.3 | 1833.1 | 1924.4 | 2064.0 | 2203.5 | 2377.9 | 2551.8 | 2733.3 |
| 15°    | 1322.2 | 1416.9 | 1508.3 | 1599.6 | 1699.8 | 1799.5 | 1935.3 | 2071.1 | 2261.8 | 2452.5 | 2661.2 |
| 17.5°  | 1104.7 | 1204.4 | 1315.9 | 1427.0 | 1557.7 | 1688.1 | 1862.0 | 2035.9 | 2261.8 | 2487.3 | 2733.3 |
| 20°    | 878.0  | 979.8  | 1113.1 | 1246.4 | 1409.0 | 1571.1 | 1796.6 | 2022.1 | 2326.3 | 2630.2 | 2944.1 |
| 22.5°  | 692.7  | 782.4  | 927.9  | 1072.9 | 1260.6 | 1448.4 | 1737.5 | 2026.3 | 2424.0 | 2821.3 | 3245.0 |
| 25°    | 561.6  | 624.9  | 767.8  | 910.2  | 1126.9 | 1343.6 | 1701.5 | 2059.0 | 2566.0 | 3072.7 | 3598.2 |
| 27.5°  | 481.1  | 522.6  | 655.9  | 788.7  | 1025.5 | 1261.9 | 1686.8 | 2111.3 | 2746.3 | 3381.2 | 3982.5 |
| 30°    | 440.9  | 469.8  | 582.5  | 694.8  | 935.4  | 1175.9 | 1669.2 | 2162.5 | 2919.8 | 3676.6 | 4283.0 |
| 32.5°  | 407.3  | 430.4  | 526.8  | 622.8  | 857.4  | 1092.1 | 1635.3 | 2178.0 | 3040.9 | 3903.8 | 4537.4 |
| 35°    | 378.9  | 398.1  | 481.9  | 565.8  | 796.3  | 1026.8 | 1578.3 | 2129.8 | 3116.7 | 4103.7 | 4802.3 |
| 37.5°  | 355.8  | 370.9  | 448.4  | 525.9  | 743.5  | 961.0  | 1513.3 | 2065.7 | 3184.2 | 4302.7 | 5100.2 |
| 40°    | 337.8  | 350.8  | 423.3  | 495.8  | 693.2  | 890.6  | 1457.6 | 2024.2 | 3277.2 | 4530.3 | 5415.0 |
| 42.5°  | 327.7  | 344.5  | 401.5  | 458.1  | 645.4  | 832.7  | 1412.7 | 1992.7 | 3363.6 | 4734.0 | 5690.3 |
| 45°    | 325.2  | 349.1  | 390.2  | 431.2  | 609.8  | 788.3  | 1372.9 | 1957.1 | 3419.3 | 4881.5 | 5897.8 |
| 47.5°  | 321.0  | 340.7  | 381.4  | 422.0  | 592.2  | 761.9  | 1351.5 | 1940.8 | 3475.0 | 5008.9 | 6070.0 |
| 50°    | 323.5  | 326.0  | 374.2  | 422.0  | 589.7  | 757.3  | 1375.9 | 1994.4 | 3595.7 | 5196.6 | 6267.0 |
| 52.5°  | 318.9  | 308.0  | 360.8  | 413.6  | 589.2  | 764.8  | 1445.8 | 2126.8 | 3819.9 | 5512.6 | 6480.3 |
| 55°    | 294.6  | 280.4  | 335.7  | 391.0  | 580.4  | 769.4  | 1529.2 | 2288.6 | 4120.8 | 5952.7 | 6863.7 |
| 57.5°  | 273.2  | 260.3  | 307.2  | 353.7  | 553.6  | 753.5  | 1615.1 | 2476.4 | 4438.9 | 6401.1 | 7295.8 |
| 60°    | 244.7  | 241.8  | 275.3  | 308.9  | 512.1  | 715.0  | 1686.0 | 2656.6 | 4652.7 | 6648.3 | 7462.2 |
| 62.5°  | 221.3  | 223.0  | 247.7  | 272.4  | 460.2  | 647.5  | 1709.4 | 2771.0 | 4646.8 | 6522.6 | 7294.6 |
| 65°    | 203.3  | 206.2  | 230.5  | 254.8  | 415.7  | 576.7  | 1632.3 | 2687.6 | 4411.7 | 6135.4 | 6963.1 |
| 67.5°  | 185.7  | 189.0  | 217.9  | 246.4  | 376.3  | 505.8  | 1439.6 | 2372.8 | 3988.8 | 5604.4 | 6541.5 |
| 70°    | 168.9  | 173.1  | 204.5  | 235.9  | 347.8  | 459.3  | 1191.0 | 1922.8 | 3459.5 | 4995.9 | 6053.2 |
| 72.5°  | 150.9  | 155.1  | 188.6  | 222.1  | 329.8  | 437.1  | 971.0  | 1504.5 | 2807.4 | 4109.9 | 5177.8 |
| 75°    | 132.4  | 135.4  | 171.8  | 207.9  | 305.1  | 402.3  | 761.9  | 1121.0 | 2148.6 | 3176.2 | 3910.9 |
| 77.5°  | 114.0  | 117.8  | 148.4  | 178.5  | 259.0  | 339.0  | 574.1  | 809.2  | 1576.6 | 2343.5 | 2719.8 |
| 80°    | 90.9   | 94.3   | 116.1  | 137.5  | 199.9  | 261.9  | 394.8  | 527.6  | 1085.0 | 1642.4 | 1854.4 |
| 82.5°  | 69.6   | 73.3   | 88.0   | 102.3  | 142.5  | 182.7  | 239.3  | 295.9  | 720.8  | 1145.4 | 1163.0 |
| 85°    | 47.8   | 49.0   | 59.5   | 69.6   | 88.0   | 106.4  | 137.0  | 167.6  | 476.9  | 786.2  | 655.0  |
| 87.5°  | 23.9   | 23.9   | 31.0   | 38.1   | 47.4   | 56.6   | 72.5   | 88.0   | 152.5  | 217.1  | 124.9  |
| 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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**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: P386673

CATALOG NUMBER: GPC-SA2B-760-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 |
| 2.5°   | 3448.6 | 3479.2 | 3510.2 | 3533.7 | 3557.6 | 3592.0 | 3626.3 | 3632.6 | 3639.3 | 3625.9 | 3612.5 |
| 5°     | 3493.1 | 3585.7 | 3678.7 | 3764.6 | 3850.5 | 3902.1 | 3953.6 | 3964.1 | 3974.6 | 3942.3 | 3909.6 |
| 7.5°   | 3328.4 | 3489.7 | 3651.1 | 3799.0 | 3946.9 | 4036.6 | 4126.7 | 4146.8 | 4167.4 | 4114.6 | 4061.8 |
| 10°    | 3108.3 | 3306.6 | 3504.8 | 3699.7 | 3894.5 | 4024.9 | 4155.2 | 4181.2 | 4207.2 | 4141.4 | 4075.6 |
| 12.5°  | 2938.2 | 3149.8 | 3361.5 | 3566.8 | 3772.6 | 3907.5 | 4042.5 | 4074.7 | 4107.0 | 4059.2 | 4011.0 |
| 15°    | 2885.8 | 3084.9 | 3283.9 | 3462.9 | 3642.3 | 3752.5 | 3863.1 | 3876.1 | 3889.5 | 3882.0 | 3874.4 |
| 17.5°  | 2980.9 | 3160.7 | 3340.9 | 3438.2 | 3535.8 | 3579.8 | 3624.2 | 3638.5 | 3653.1 | 3672.0 | 3691.3 |
| 20°    | 3211.4 | 3338.0 | 3465.0 | 3460.8 | 3456.2 | 3434.8 | 3413.0 | 3409.2 | 3405.5 | 3459.5 | 3514.0 |
| 22.5°  | 3555.5 | 3605.8 | 3656.5 | 3538.7 | 3421.0 | 3349.3 | 3277.2 | 3263.0 | 3248.3 | 3305.7 | 3363.6 |
| 25°    | 3928.9 | 3919.7 | 3910.0 | 3685.8 | 3461.2 | 3324.6 | 3188.0 | 3172.0 | 3156.1 | 3205.1 | 3254.6 |
| 27.5°  | 4298.5 | 4238.2 | 4177.8 | 3873.2 | 3568.5 | 3370.3 | 3172.0 | 3156.1 | 3140.2 | 3183.8 | 3227.4 |
| 30°    | 4569.7 | 4472.9 | 4376.1 | 4031.2 | 3686.3 | 3450.7 | 3215.2 | 3189.2 | 3162.8 | 3216.5 | 3270.1 |
| 32.5°  | 4781.3 | 4651.4 | 4521.5 | 4159.4 | 3797.3 | 3542.5 | 3287.7 | 3247.1 | 3206.4 | 3278.1 | 3349.7 |
| 35°    | 4992.5 | 4809.8 | 4626.7 | 4273.8 | 3920.5 | 3651.1 | 3381.2 | 3331.3 | 3281.4 | 3379.9 | 3478.4 |
| 37.5°  | 5258.2 | 4995.9 | 4733.1 | 4402.5 | 4071.8 | 3813.7 | 3555.1 | 3504.0 | 3452.8 | 3578.1 | 3703.9 |
| 40°    | 5546.6 | 5196.6 | 4846.7 | 4543.3 | 4239.9 | 4038.7 | 3837.1 | 3788.5 | 3739.5 | 3892.0 | 4044.6 |
| 42.5°  | 5786.3 | 5383.5 | 4980.8 | 4713.0 | 4444.8 | 4303.1 | 4161.1 | 4160.7 | 4159.8 | 4314.5 | 4469.1 |
| 45°    | 5981.2 | 5539.4 | 5097.3 | 4878.5 | 4659.4 | 4585.6 | 4511.8 | 4570.9 | 4630.0 | 4769.6 | 4909.6 |
| 47.5°  | 6126.6 | 5670.2 | 5213.4 | 5068.0 | 4922.6 | 4933.4 | 4944.3 | 5064.6 | 5184.9 | 5274.6 | 5364.7 |
| 50°    | 6221.3 | 5788.8 | 5355.9 | 5311.0 | 5266.2 | 5363.8 | 5461.9 | 5599.8 | 5738.1 | 5799.3 | 5860.5 |
| 52.5°  | 6359.2 | 5949.7 | 5539.9 | 5590.2 | 5640.4 | 5839.9 | 6039.4 | 6179.0 | 6318.5 | 6341.1 | 6364.2 |
| 55°    | 6678.1 | 6245.6 | 5812.7 | 5909.1 | 6005.9 | 6298.4 | 6591.3 | 6700.3 | 6809.3 | 6817.6 | 6826.0 |
| 57.5°  | 7131.1 | 6660.1 | 6189.0 | 6293.0 | 6396.9 | 6734.7 | 7072.9 | 7190.2 | 7308.0 | 7291.6 | 7274.9 |
| 60°    | 7470.2 | 7053.6 | 6636.6 | 6741.4 | 6846.1 | 7175.5 | 7504.9 | 7639.9 | 7775.3 | 7739.2 | 7703.2 |
| 62.5°  | 7491.1 | 7268.6 | 7045.6 | 7140.3 | 7235.5 | 7558.2 | 7880.9 | 8019.6 | 8158.3 | 8095.4 | 8032.6 |
| 65°    | 7157.9 | 7257.7 | 7357.4 | 7388.9 | 7420.3 | 7721.2 | 8022.5 | 8128.5 | 8235.0 | 8203.1 | 8171.3 |
| 67.5°  | 6699.0 | 7066.6 | 7434.5 | 7371.3 | 7308.0 | 7449.2 | 7590.4 | 7699.8 | 7809.2 | 7791.2 | 7772.7 |
| 70°    | 6241.0 | 6731.7 | 7222.5 | 6911.5 | 6600.1 | 6541.9 | 6483.6 | 6601.4 | 6719.6 | 6646.7 | 6573.3 |
| 72.5°  | 5461.1 | 5984.1 | 6507.5 | 5934.6 | 5361.8 | 5162.7 | 4963.6 | 5113.2 | 5262.8 | 5146.8 | 5030.3 |
| 75°    | 4286.8 | 4864.7 | 5443.1 | 4759.5 | 4076.0 | 3810.3 | 3544.6 | 3673.3 | 3801.9 | 3722.3 | 3642.3 |
| 77.5°  | 3191.3 | 3760.9 | 4330.4 | 3635.5 | 2940.3 | 2742.9 | 2545.1 | 2583.2 | 2621.8 | 2608.4 | 2594.5 |
| 80°    | 2164.6 | 2561.4 | 2958.7 | 2496.1 | 2033.4 | 2048.5 | 2064.0 | 2046.0 | 2027.5 | 2054.3 | 2081.2 |
| 82.5°  | 1381.3 | 1687.6 | 1994.4 | 1748.8 | 1503.3 | 1644.1 | 1784.9 | 1715.7 | 1646.2 | 1671.7 | 1697.7 |
| 85°    | 788.3  | 1087.9 | 1388.0 | 1293.7 | 1199.0 | 1281.1 | 1363.7 | 1256.4 | 1149.1 | 1196.1 | 1243.4 |
| 87.5°  | 207.9  | 601.8  | 996.2  | 904.4  | 812.6  | 706.2  | 599.7  | 457.6  | 315.6  | 461.0  | 606.4  |
| 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: P386673  
 CATALOG NUMBER: GPC-SA2B-760-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: P386673

CATALOG NUMBER: GPC-SA2B-760-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 | 3193.4 |
| 2.5°   | 3605.4 | 3598.2 | 3572.7 | 3546.7 | 3508.1 | 3476.3 | 3421.0 |
| 5°     | 3864.4 | 3819.1 | 3741.2 | 3662.8 | 3575.6 | 3475.5 | 3364.4 |
| 7.5°   | 3956.1 | 3850.1 | 3700.5 | 3550.5 | 3415.5 | 3257.1 | 3109.6 |
| 10°    | 3917.2 | 3758.3 | 3563.9 | 3369.0 | 3205.1 | 3022.8 | 2859.0 |
| 12.5°  | 3842.6 | 3673.7 | 3459.5 | 3245.0 | 3058.5 | 2862.8 | 2679.2 |
| 15°    | 3739.9 | 3605.0 | 3404.2 | 3203.5 | 3015.7 | 2825.5 | 2608.0 |
| 17.5°  | 3627.6 | 3563.5 | 3418.5 | 3273.0 | 3110.4 | 2926.0 | 2670.8 |
| 20°    | 3537.1 | 3560.5 | 3502.7 | 3444.9 | 3314.5 | 3153.6 | 2866.9 |
| 22.5°  | 3475.9 | 3588.6 | 3633.0 | 3677.9 | 3599.5 | 3473.8 | 3142.3 |
| 25°    | 3441.5 | 3628.4 | 3777.2 | 3926.4 | 3891.6 | 3794.8 | 3476.7 |
| 27.5°  | 3456.6 | 3685.8 | 3916.8 | 4148.1 | 4180.4 | 4153.5 | 3829.2 |
| 30°    | 3501.9 | 3734.0 | 4015.2 | 4296.9 | 4425.5 | 4461.6 | 4122.9 |
| 32.5°  | 3577.3 | 3804.9 | 4111.2 | 4418.0 | 4612.4 | 4727.3 | 4391.6 |
| 35°    | 3691.3 | 3904.2 | 4223.5 | 4542.9 | 4794.3 | 5003.9 | 4669.0 |
| 37.5°  | 3887.0 | 4070.1 | 4364.8 | 4659.8 | 4985.8 | 5300.6 | 4974.5 |
| 40°    | 4173.6 | 4303.1 | 4552.1 | 4801.4 | 5211.7 | 5636.7 | 5315.2 |
| 42.5°  | 4535.3 | 4602.0 | 4799.3 | 4996.7 | 5447.7 | 5941.8 | 5648.4 |
| 45°    | 4927.2 | 4944.8 | 5068.8 | 5193.3 | 5634.6 | 6149.6 | 5898.6 |
| 47.5°  | 5304.3 | 5244.0 | 5293.4 | 5342.9 | 5777.9 | 6298.0 | 6088.4 |
| 50°    | 5692.4 | 5524.4 | 5498.4 | 5472.4 | 5921.2 | 6472.7 | 6329.8 |
| 52.5°  | 6087.2 | 5810.2 | 5707.5 | 5604.4 | 6092.2 | 6704.5 | 6630.3 |
| 55°    | 6473.6 | 6121.1 | 5982.8 | 5844.5 | 6353.7 | 6987.4 | 7071.6 |
| 57.5°  | 6875.5 | 6476.1 | 6347.9 | 6219.6 | 6738.0 | 7345.7 | 7467.6 |
| 60°    | 7308.0 | 6912.4 | 6809.7 | 6706.6 | 7215.8 | 7732.9 | 7644.1 |
| 62.5°  | 7718.3 | 7403.9 | 7349.9 | 7295.4 | 7699.0 | 8030.5 | 7575.3 |
| 65°    | 7992.3 | 7813.0 | 7863.3 | 7914.0 | 8064.4 | 8104.6 | 7374.2 |
| 67.5°  | 7809.2 | 7845.7 | 8058.1 | 8271.0 | 8167.5 | 7884.2 | 6977.7 |
| 70°    | 6791.7 | 7010.4 | 7513.7 | 8017.5 | 7787.8 | 7293.7 | 6266.1 |
| 72.5°  | 5275.8 | 5521.8 | 6269.1 | 7016.7 | 6805.1 | 6199.9 | 5146.8 |
| 75°    | 3919.7 | 4197.5 | 5022.3 | 5847.0 | 5553.3 | 4637.6 | 3685.0 |
| 77.5°  | 2780.6 | 2966.7 | 3781.0 | 4595.7 | 4116.7 | 3087.0 | 2479.7 |
| 80°    | 2024.2 | 1967.2 | 2421.0 | 2874.9 | 2795.3 | 2041.8 | 1592.5 |
| 82.5°  | 1558.6 | 1419.4 | 1633.2 | 1846.9 | 1835.2 | 1416.9 | 1168.4 |
| 85°    | 1187.7 | 1131.9 | 1321.0 | 1510.0 | 1348.2 | 959.7  | 742.6  |
| 87.5°  | 692.3  | 778.7  | 1001.2 | 1224.1 | 918.6  | 291.3  | 144.2  |
| 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: P386673  
 CATALOG NUMBER: GPC-SA2B-760-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  |

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



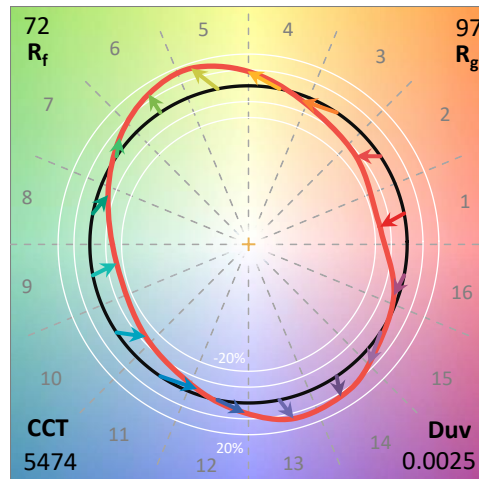
**Test Information**

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-9-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-760-U-5WQ**  
 Description: MCGRAW EDISON ROADWAY AND AREA LUMINAIRE

\*\*\*THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.\*\*\*TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

**Spectral Parameters**

|                           |        |           |      |      |       |
|---------------------------|--------|-----------|------|------|-------|
| CCT (K):                  | 5474   | CRI (Ra): | 71.7 | R9:  | -27.1 |
| CIE u':                   | 0.2052 | R1:       | 70.6 | R10: | 40.8  |
| CIE v':                   | 0.4804 | R2:       | 74.6 | R11: | 74.6  |
| Duv:                      | 0.0025 | R3:       | 78.3 | R12: | 50.4  |
| CIE x:                    | 0.3330 | R4:       | 73.8 | R13: | 70.0  |
| CIE y:                    | 0.3466 | R5:       | 72.4 | R14: | 87.8  |
| CIE z:                    | 0.3204 | R6:       | 67.5 |      |       |
| Peak Wavelength (nm):     | 442    | R7:       | 77.5 |      |       |
| Dominant Wavelength (nm): | 554    | R8:       | 58.9 |      |       |
| Purity:                   | 4.1    |           |      |      |       |
| Rf:                       | 72.1   |           |      |      |       |
| Rg:                       | 97.2   |           |      |      |       |



**Test Conditions**

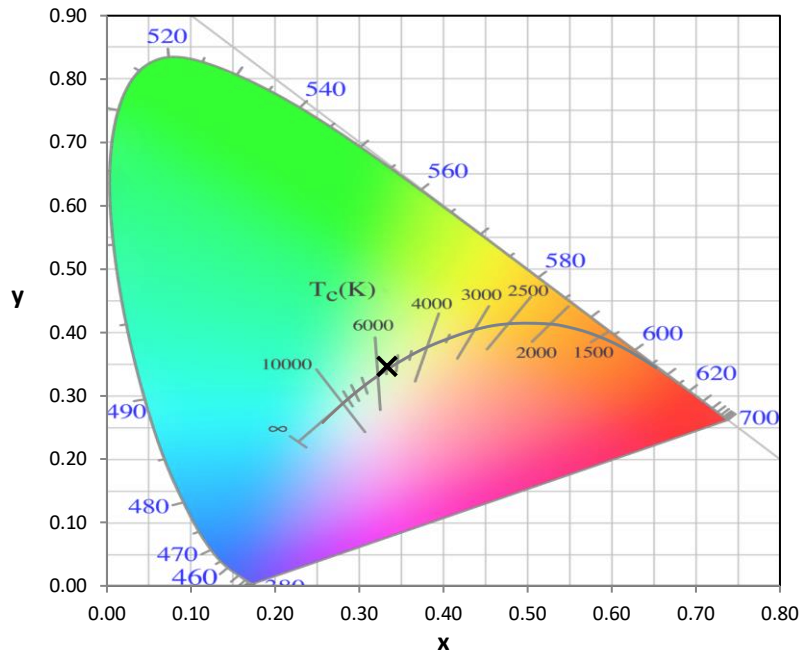
Stabilization Time: 240M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 24.6/31%  
 Sphere Temperature (°C): 25.9

REPORT NUMBER: SP1-1908-441-9-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            |

REPORT NUMBER: SP1-1908-441-9-R4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5700K 4-step quadrangle



REPORT NUMBER: SP1-1908-441-9-R4

**Photopic Flux vs. Wavelength**



#####

| $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 3540                                 | NR                             | 490               | 33363                                | NR                             | 620               | 80193                                | NR                             | 750               | 4663                                 | NR                             | 880               | 4678                                 | NR                             |
| 365               | 2862                                 | NR                             | 495               | 44177                                | NR                             | 625               | 73091                                | NR                             | 755               | 4147                                 | NR                             | 885               | 4128                                 | NR                             |
| 370               | 2865                                 | NR                             | 500               | 57019                                | NR                             | 630               | 66269                                | NR                             | 760               | 4040                                 | NR                             | 890               | 4504                                 | NR                             |
| 375               | 3254                                 | NR                             | 505               | 70030                                | NR                             | 635               | 60012                                | NR                             | 765               | 3474                                 | NR                             | 895               | 4371                                 | NR                             |
| 380               | 3076                                 | NR                             | 510               | 81972                                | NR                             | 640               | 53914                                | NR                             | 770               | 3469                                 | NR                             | 900               | 4082                                 | NR                             |
| 385               | 2904                                 | NR                             | 515               | 92590                                | NR                             | 645               | 48385                                | NR                             | 775               | 3181                                 | NR                             | 905               | 2982                                 | NR                             |
| 390               | 2689                                 | NR                             | 520               | 100305                               | NR                             | 650               | 43219                                | NR                             | 780               | 2969                                 | NR                             | 910               | 4351                                 | NR                             |
| 395               | 2619                                 | NR                             | 525               | 107452                               | NR                             | 655               | 38562                                | NR                             | 785               | 3132                                 | NR                             | 915               | 3365                                 | NR                             |
| 400               | 2679                                 | NR                             | 530               | 111373                               | NR                             | 660               | 34110                                | NR                             | 790               | 2507                                 | NR                             | 920               | 3430                                 | NR                             |
| 405               | 3515                                 | NR                             | 535               | 114505                               | NR                             | 665               | 30085                                | NR                             | 795               | 2968                                 | NR                             | 925               | 4264                                 | NR                             |
| 410               | 6934                                 | NR                             | 540               | 116408                               | NR                             | 670               | 26205                                | NR                             | 800               | 2758                                 | NR                             | 930               | 4095                                 | NR                             |
| 415               | 14943                                | NR                             | 545               | 118700                               | NR                             | 675               | 22906                                | NR                             | 805               | 2872                                 | NR                             | 935               | 5048                                 | NR                             |
| 420               | 31939                                | NR                             | 550               | 119209                               | NR                             | 680               | 20058                                | NR                             | 810               | 3094                                 | NR                             | 940               | 4074                                 | NR                             |
| 425               | 64701                                | NR                             | 555               | 120742                               | NR                             | 685               | 17413                                | NR                             | 815               | 3222                                 | NR                             | 945               | 4949                                 | NR                             |
| 430               | 110939                               | NR                             | 560               | 121594                               | NR                             | 690               | 15447                                | NR                             | 820               | 3238                                 | NR                             | 950               | 4387                                 | NR                             |
| 435               | 164597                               | NR                             | 565               | 121913                               | NR                             | 695               | 13398                                | NR                             | 825               | 3524                                 | NR                             | 955               | 4978                                 | NR                             |
| 440               | 207696                               | NR                             | 570               | 122147                               | NR                             | 700               | 11777                                | NR                             | 830               | 2921                                 | NR                             | 960               | 4706                                 | NR                             |
| 445               | 201830                               | NR                             | 575               | 121605                               | NR                             | 705               | 10412                                | NR                             | 835               | 3595                                 | NR                             | 965               | 5083                                 | NR                             |
| 450               | 145410                               | NR                             | 580               | 120248                               | NR                             | 710               | 9544                                 | NR                             | 840               | 3016                                 | NR                             | 970               | 4522                                 | NR                             |
| 455               | 89594                                | NR                             | 585               | 117717                               | NR                             | 715               | 8940                                 | NR                             | 845               | 4032                                 | NR                             | 975               | 4740                                 | NR                             |
| 460               | 58321                                | NR                             | 590               | 114359                               | NR                             | 720               | 7897                                 | NR                             | 850               | 3579                                 | NR                             | 980               | 6122                                 | NR                             |
| 465               | 39318                                | NR                             | 595               | 109974                               | NR                             | 725               | 7045                                 | NR                             | 855               | 4571                                 | NR                             | 985               | 6450                                 | NR                             |
| 470               | 27693                                | NR                             | 600               | 105269                               | NR                             | 730               | 6483                                 | NR                             | 860               | 4485                                 | NR                             | 990               | 4875                                 | NR                             |
| 475               | 23081                                | NR                             | 605               | 99453                                | NR                             | 735               | 5838                                 | NR                             | 865               | 3978                                 | NR                             | 995               | 4764                                 | NR                             |
| 480               | 23002                                | NR                             | 610               | 92921                                | NR                             | 740               | 5261                                 | NR                             | 870               | 4298                                 | NR                             | 1000              | 3640                                 | NR                             |
| 485               | 26201                                | NR                             | 615               | 86989                                | NR                             | 745               | 4760                                 | NR                             | 875               | 4356                                 | NR                             |                   |                                      |                                |

REPORT NUMBER: SP1-1908-441-9-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 13759.3 S/P: 1.85

| 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    | 3540          | NR            | 490    | 33363         | NR            | 620    | 80193         | NR            | 750    | 4663          | NR            | 880    | 4678          | NR            |
| 365    | 2862          | NR            | 495    | 44177         | NR            | 625    | 73091         | NR            | 755    | 4147          | NR            | 885    | 4128          | NR            |
| 370    | 2865          | NR            | 500    | 57019         | NR            | 630    | 66269         | NR            | 760    | 4040          | NR            | 890    | 4504          | NR            |
| 375    | 3254          | NR            | 505    | 70030         | NR            | 635    | 60012         | NR            | 765    | 3474          | NR            | 895    | 4371          | NR            |
| 380    | 3076          | NR            | 510    | 81972         | NR            | 640    | 53914         | NR            | 770    | 3469          | NR            | 900    | 4082          | NR            |
| 385    | 2904          | NR            | 515    | 92590         | NR            | 645    | 48385         | NR            | 775    | 3181          | NR            | 905    | 2982          | NR            |
| 390    | 2689          | NR            | 520    | 100305        | NR            | 650    | 43219         | NR            | 780    | 2969          | NR            | 910    | 4351          | NR            |
| 395    | 2619          | NR            | 525    | 107452        | NR            | 655    | 38562         | NR            | 785    | 3132          | NR            | 915    | 3365          | NR            |
| 400    | 2679          | NR            | 530    | 111373        | NR            | 660    | 34110         | NR            | 790    | 2507          | NR            | 920    | 3430          | NR            |
| 405    | 3515          | NR            | 535    | 114505        | NR            | 665    | 30085         | NR            | 795    | 2968          | NR            | 925    | 4264          | NR            |
| 410    | 6934          | NR            | 540    | 116408        | NR            | 670    | 26205         | NR            | 800    | 2758          | NR            | 930    | 4095          | NR            |
| 415    | 14943         | NR            | 545    | 118700        | NR            | 675    | 22906         | NR            | 805    | 2872          | NR            | 935    | 5048          | NR            |
| 420    | 31939         | NR            | 550    | 119209        | NR            | 680    | 20058         | NR            | 810    | 3094          | NR            | 940    | 4074          | NR            |
| 425    | 64701         | NR            | 555    | 120742        | NR            | 685    | 17413         | NR            | 815    | 3222          | NR            | 945    | 4949          | NR            |
| 430    | 110939        | NR            | 560    | 121594        | NR            | 690    | 15447         | NR            | 820    | 3238          | NR            | 950    | 4387          | NR            |
| 435    | 164597        | NR            | 565    | 121913        | NR            | 695    | 13398         | NR            | 825    | 3524          | NR            | 955    | 4978          | NR            |
| 440    | 207696        | NR            | 570    | 122147        | NR            | 700    | 11777         | NR            | 830    | 2921          | NR            | 960    | 4706          | NR            |
| 445    | 201830        | NR            | 575    | 121605        | NR            | 705    | 10412         | NR            | 835    | 3595          | NR            | 965    | 5083          | NR            |
| 450    | 145410        | NR            | 580    | 120248        | NR            | 710    | 9544          | NR            | 840    | 3016          | NR            | 970    | 4522          | NR            |
| 455    | 89594         | NR            | 585    | 117717        | NR            | 715    | 8940          | NR            | 845    | 4032          | NR            | 975    | 4740          | NR            |
| 460    | 58321         | NR            | 590    | 114359        | NR            | 720    | 7897          | NR            | 850    | 3579          | NR            | 980    | 6122          | NR            |
| 465    | 39318         | NR            | 595    | 109974        | NR            | 725    | 7045          | NR            | 855    | 4571          | NR            | 985    | 6450          | NR            |
| 470    | 27693         | NR            | 600    | 105269        | NR            | 730    | 6483          | NR            | 860    | 4485          | NR            | 990    | 4875          | NR            |
| 475    | 23081         | NR            | 605    | 99453         | NR            | 735    | 5838          | NR            | 865    | 3978          | NR            | 995    | 4764          | NR            |
| 480    | 23002         | NR            | 610    | 92921         | NR            | 740    | 5261          | NR            | 870    | 4298          | NR            | 1000   | 3640          | NR            |
| 485    | 26201         | NR            | 615    | 86989         | NR            | 745    | 4760          | NR            | 875    | 4356          | NR            |        |               |               |

REPORT NUMBER: SP1-1908-441-9-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5527.6 M/P: 0.74**

| 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    | 3540          | NR            | 490    | 33363         | NR            | 620    | 80193         | NR            | 750    | 4663          | NR            | 880    | 4678          | NR            |
| 365    | 2862          | NR            | 495    | 44177         | NR            | 625    | 73091         | NR            | 755    | 4147          | NR            | 885    | 4128          | NR            |
| 370    | 2865          | NR            | 500    | 57019         | NR            | 630    | 66269         | NR            | 760    | 4040          | NR            | 890    | 4504          | NR            |
| 375    | 3254          | NR            | 505    | 70030         | NR            | 635    | 60012         | NR            | 765    | 3474          | NR            | 895    | 4371          | NR            |
| 380    | 3076          | NR            | 510    | 81972         | NR            | 640    | 53914         | NR            | 770    | 3469          | NR            | 900    | 4082          | NR            |
| 385    | 2904          | NR            | 515    | 92590         | NR            | 645    | 48385         | NR            | 775    | 3181          | NR            | 905    | 2982          | NR            |
| 390    | 2689          | NR            | 520    | 100305        | NR            | 650    | 43219         | NR            | 780    | 2969          | NR            | 910    | 4351          | NR            |
| 395    | 2619          | NR            | 525    | 107452        | NR            | 655    | 38562         | NR            | 785    | 3132          | NR            | 915    | 3365          | NR            |
| 400    | 2679          | NR            | 530    | 111373        | NR            | 660    | 34110         | NR            | 790    | 2507          | NR            | 920    | 3430          | NR            |
| 405    | 3515          | NR            | 535    | 114505        | NR            | 665    | 30085         | NR            | 795    | 2968          | NR            | 925    | 4264          | NR            |
| 410    | 6934          | NR            | 540    | 116408        | NR            | 670    | 26205         | NR            | 800    | 2758          | NR            | 930    | 4095          | NR            |
| 415    | 14943         | NR            | 545    | 118700        | NR            | 675    | 22906         | NR            | 805    | 2872          | NR            | 935    | 5048          | NR            |
| 420    | 31939         | NR            | 550    | 119209        | NR            | 680    | 20058         | NR            | 810    | 3094          | NR            | 940    | 4074          | NR            |
| 425    | 64701         | NR            | 555    | 120742        | NR            | 685    | 17413         | NR            | 815    | 3222          | NR            | 945    | 4949          | NR            |
| 430    | 110939        | NR            | 560    | 121594        | NR            | 690    | 15447         | NR            | 820    | 3238          | NR            | 950    | 4387          | NR            |
| 435    | 164597        | NR            | 565    | 121913        | NR            | 695    | 13398         | NR            | 825    | 3524          | NR            | 955    | 4978          | NR            |
| 440    | 207696        | NR            | 570    | 122147        | NR            | 700    | 11777         | NR            | 830    | 2921          | NR            | 960    | 4706          | NR            |
| 445    | 201830        | NR            | 575    | 121605        | NR            | 705    | 10412         | NR            | 835    | 3595          | NR            | 965    | 5083          | NR            |
| 450    | 145410        | NR            | 580    | 120248        | NR            | 710    | 9544          | NR            | 840    | 3016          | NR            | 970    | 4522          | NR            |
| 455    | 89594         | NR            | 585    | 117717        | NR            | 715    | 8940          | NR            | 845    | 4032          | NR            | 975    | 4740          | NR            |
| 460    | 58321         | NR            | 590    | 114359        | NR            | 720    | 7897          | NR            | 850    | 3579          | NR            | 980    | 6122          | NR            |
| 465    | 39318         | NR            | 595    | 109974        | NR            | 725    | 7045          | NR            | 855    | 4571          | NR            | 985    | 6450          | NR            |
| 470    | 27693         | NR            | 600    | 105269        | NR            | 730    | 6483          | NR            | 860    | 4485          | NR            | 990    | 4875          | NR            |
| 475    | 23081         | NR            | 605    | 99453         | NR            | 735    | 5838          | NR            | 865    | 3978          | NR            | 995    | 4764          | NR            |
| 480    | 23002         | NR            | 610    | 92921         | NR            | 740    | 5261          | NR            | 870    | 4298          | NR            | 1000   | 3640          | NR            |
| 485    | 26201         | NR            | 615    | 86989         | NR            | 745    | 4760          | NR            | 875    | 4356          | NR            |        |               |               |

REPORT NUMBER: SP1-1908-441-9-R4

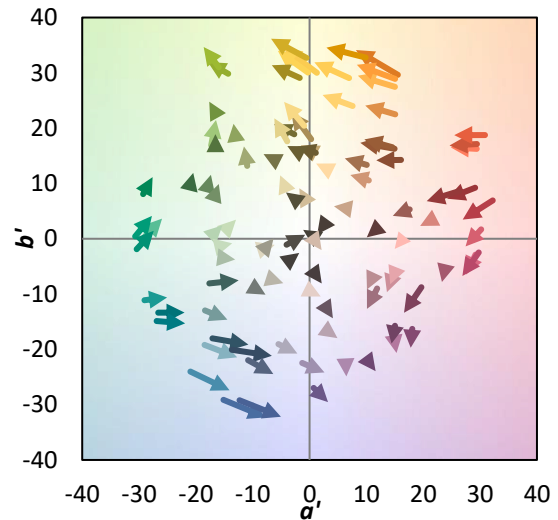
TM-30-18

**Summary**

$R_f = 72.1$   
 $R_g = 97.2$   
 CIE  $R_a = 71.7$   
 $R_g = -27.1$



**Color Vector Graphics**



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

|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 54 | CES51 = 88 | CES76 = 43 |
| CES02 = 59 | CES27 = 79 | CES52 = 90 | CES77 = 64 |
| CES03 = 30 | CES28 = 77 | CES53 = 77 | CES78 = 46 |
| CES04 = 69 | CES29 = 50 | CES54 = 81 | CES79 = 74 |
| CES05 = 46 | CES30 = 59 | CES55 = 80 | CES80 = 70 |
| CES06 = 50 | CES31 = 55 | CES56 = 70 | CES81 = 71 |
| CES07 = 38 | CES32 = 52 | CES57 = 68 | CES82 = 88 |
| CES08 = 38 | CES33 = 63 | CES58 = 70 | CES83 = 82 |
| CES09 = 29 | CES34 = 63 | CES59 = 88 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 92 | CES85 = 84 |
| CES11 = 55 | CES36 = 90 | CES61 = 88 | CES86 = 76 |
| CES12 = 61 | CES37 = 72 | CES62 = 81 | CES87 = 75 |
| CES13 = 41 | CES38 = 68 | CES63 = 75 | CES88 = 77 |
| CES14 = 74 | CES39 = 91 | CES64 = 72 | CES89 = 76 |
| CES15 = 70 | CES40 = 83 | CES65 = 65 | CES90 = 76 |
| CES16 = 46 | CES41 = 84 | CES66 = 66 | CES91 = 92 |
| CES17 = 48 | CES42 = 70 | CES67 = 64 | CES92 = 70 |
| CES18 = 55 | CES43 = 69 | CES68 = 71 | CES93 = 83 |
| CES19 = 70 | CES44 = 98 | CES69 = 80 | CES94 = 60 |
| CES20 = 64 | CES45 = 79 | CES70 = 58 | CES95 = 73 |
| CES21 = 85 | CES46 = 78 | CES71 = 55 | CES96 = 79 |
| CES22 = 77 | CES47 = 76 | CES72 = 84 | CES97 = 84 |
| CES23 = 91 | CES48 = 68 | CES73 = 47 | CES98 = 73 |
| CES24 = 90 | CES49 = 78 | CES74 = 94 | CES99 = 62 |
| CES25 = 71 | CES50 = 87 | CES75 = 51 |            |



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)