

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: P385973

Luminaire Tested: **GPC-SA1C-750-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385973  
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-SA1C-750-U-SLR  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6640 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 59  
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



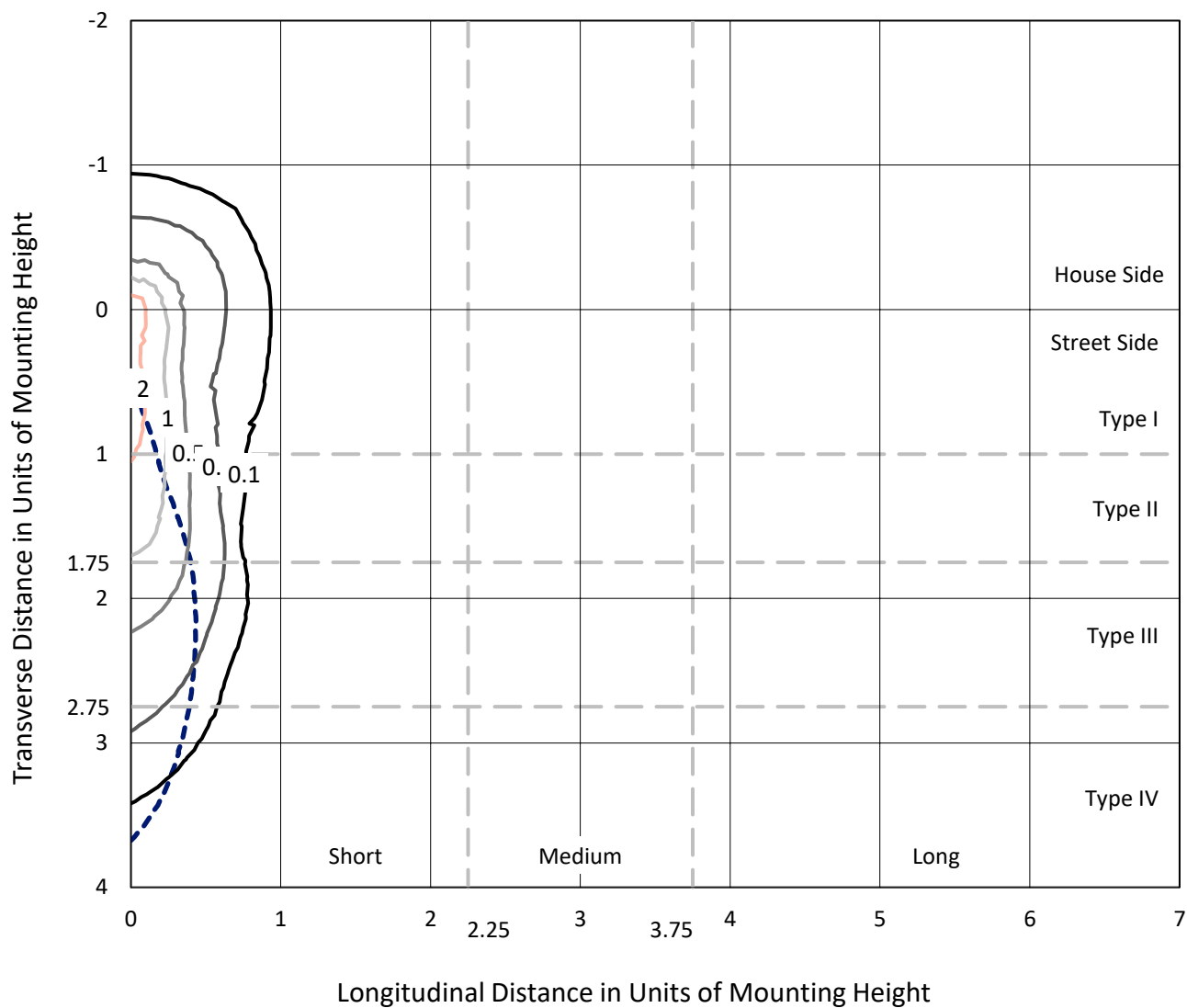
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



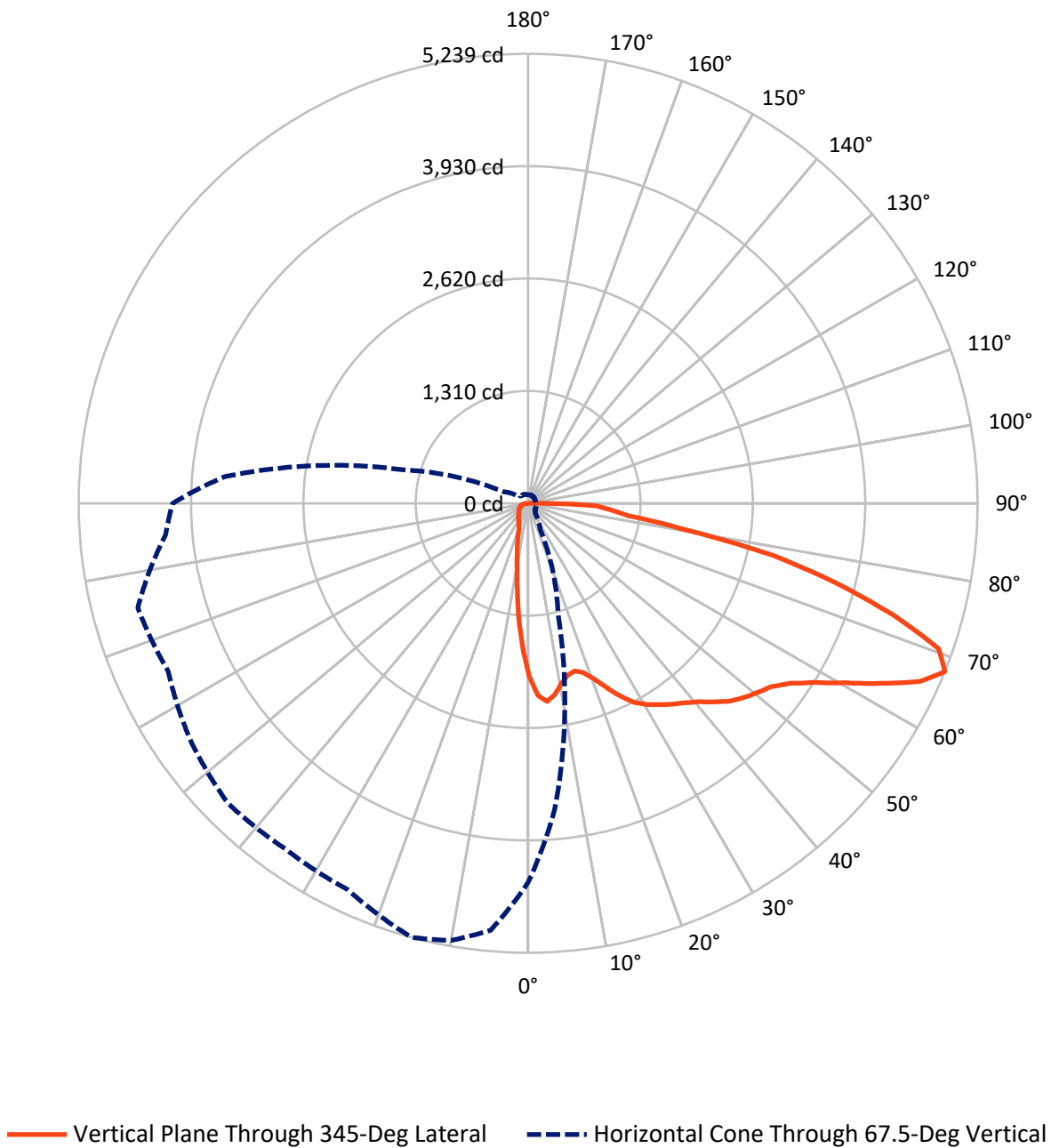
Based on 25 foot mounting height. Maximum calculated value = 3.2 fc

Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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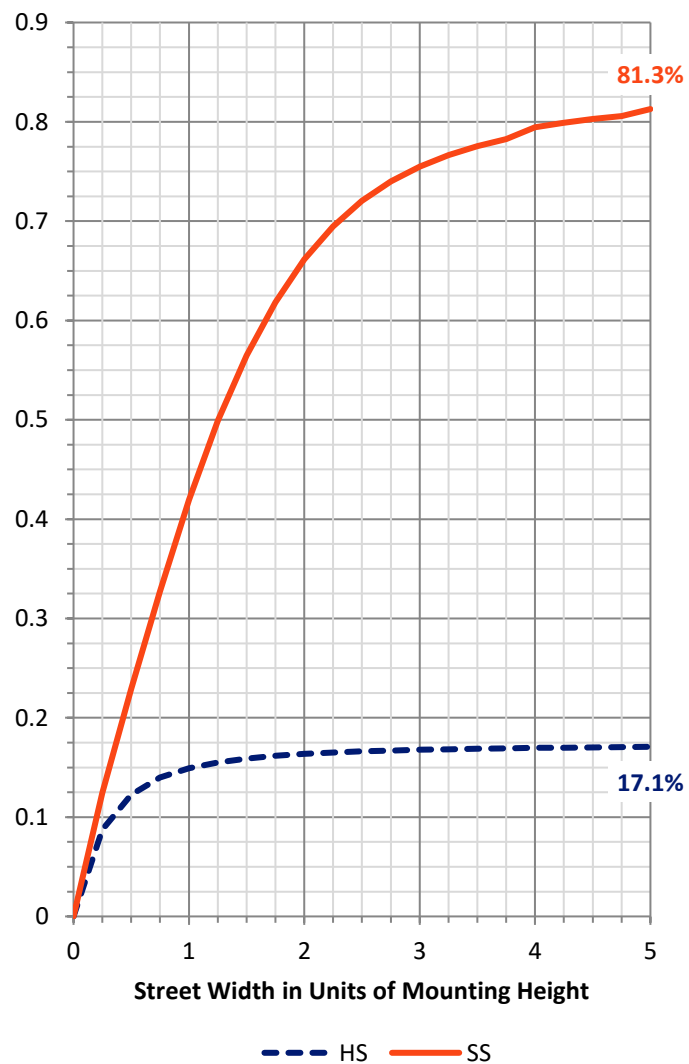
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1147.9   | 0.0    | 1147.9 |
|                    | % Fixture | 17.3     | 0.0    | 17.3   |
| <b>Street Side</b> | Lumens    | 5492.1   | 0.0    | 5492.1 |
|                    | % Fixture | 82.7     | 0.0    | 82.7   |
| <b>Total</b>       | Lumens    | 6640.0   | 0.0    | 6640.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 156.1  | 2.4       |
| 10°-20°   | 324.3  | 4.9       |
| 20°-30°   | 461.3  | 6.9       |
| 30°-40°   | 664.7  | 10.0      |
| 40°-50°   | 936.7  | 14.1      |
| 50°-60°   | 1302.2 | 19.6      |
| 60°-70°   | 1574.8 | 23.7      |
| 70°-80°   | 968.0  | 14.6      |
| 80°-90°   | 251.9  | 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°    | 6640.0 | 100.0     |
| 0°-180°   | 6640.0 | 100.0     |

**Coefficient of Utilization**



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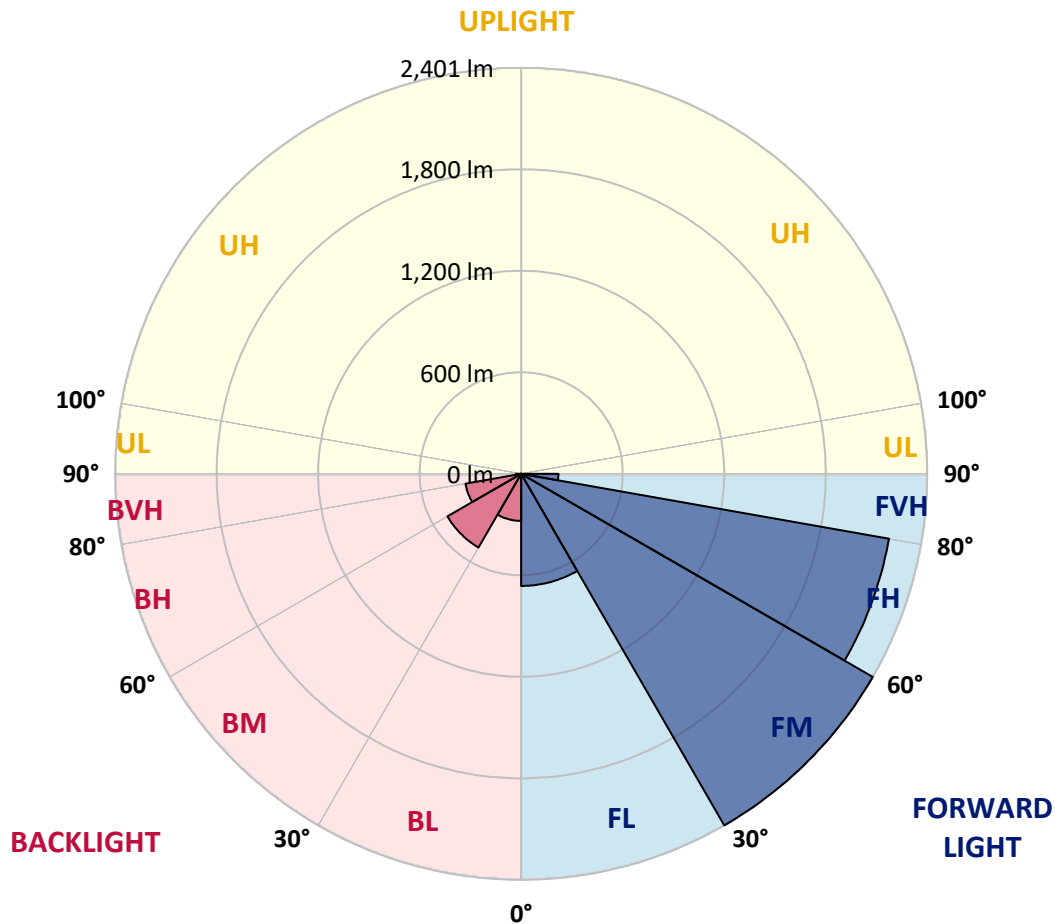
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 663.0  | 10.0      |                         |      |         |
| FM   | (30°-60°)   | 2400.5 | 36.2      |                         |      |         |
| FH   | (60°-80°)   | 2208.2 | 33.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 220.3  | 3.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 278.7  | 4.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 503.1  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 334.5  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 31.6   | 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-G2**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 2.5°   | 2167.1 | 2148.0 | 2119.0 | 2090.1 | 2068.6 | 2046.8 | 2022.1 | 1997.4 | 1969.3 | 1940.9 | 1924.2 |
| 5°     | 2131.2 | 2078.1 | 2009.1 | 1940.1 | 1894.4 | 1848.8 | 1797.0 | 1745.2 | 1694.0 | 1642.8 | 1615.2 |
| 7.5°   | 1969.8 | 1890.2 | 1800.5 | 1710.7 | 1644.4 | 1577.7 | 1506.0 | 1434.1 | 1370.4 | 1306.4 | 1266.8 |
| 10°    | 1811.1 | 1715.5 | 1612.5 | 1509.2 | 1424.3 | 1339.3 | 1267.4 | 1195.2 | 1147.1 | 1099.1 | 1062.7 |
| 12.5°  | 1697.2 | 1591.3 | 1477.9 | 1364.3 | 1279.3 | 1194.4 | 1148.7 | 1103.0 | 1063.2 | 1023.4 | 981.5  |
| 15°    | 1652.1 | 1532.3 | 1416.3 | 1300.0 | 1222.8 | 1145.5 | 1094.8 | 1043.8 | 990.5  | 936.9  | 885.4  |
| 17.5°  | 1691.9 | 1551.7 | 1425.6 | 1299.5 | 1198.4 | 1097.2 | 1026.3 | 955.2  | 884.8  | 814.5  | 754.7  |
| 20°    | 1816.1 | 1637.2 | 1472.3 | 1307.2 | 1172.6 | 1038.0 | 943.0  | 847.7  | 757.4  | 667.1  | 599.4  |
| 22.5°  | 1990.5 | 1753.7 | 1538.4 | 1323.1 | 1149.2 | 975.1  | 855.9  | 736.4  | 629.7  | 523.0  | 456.6  |
| 25°    | 2202.4 | 1908.2 | 1633.7 | 1359.0 | 1139.7 | 920.1  | 773.6  | 627.1  | 514.5  | 401.7  | 354.4  |
| 27.5°  | 2425.6 | 2092.5 | 1752.1 | 1411.5 | 1141.3 | 871.0  | 704.3  | 537.3  | 435.9  | 334.5  | 302.1  |
| 30°    | 2611.7 | 2303.0 | 1890.2 | 1477.1 | 1147.4 | 817.7  | 639.0  | 460.3  | 376.7  | 293.1  | 272.1  |
| 32.5°  | 2781.9 | 2449.8 | 1994.3 | 1538.4 | 1154.3 | 769.9  | 588.6  | 407.0  | 338.7  | 270.3  | 253.0  |
| 35°    | 2957.7 | 2580.2 | 2067.0 | 1553.6 | 1142.3 | 730.9  | 554.0  | 377.2  | 314.3  | 251.1  | 236.5  |
| 37.5°  | 3151.2 | 2721.1 | 2137.1 | 1552.8 | 1122.2 | 691.6  | 527.2  | 362.6  | 298.4  | 233.9  | 223.3  |
| 40°    | 3367.0 | 2877.0 | 2213.0 | 1549.0 | 1103.8 | 658.4  | 507.3  | 356.0  | 289.6  | 223.0  | 214.0  |
| 42.5°  | 3578.1 | 3025.6 | 2283.6 | 1541.6 | 1089.0 | 636.1  | 487.7  | 339.3  | 281.7  | 223.8  | 211.1  |
| 45°    | 3736.6 | 3155.4 | 2344.9 | 1534.2 | 1077.8 | 621.5  | 472.3  | 323.1  | 274.2  | 225.4  | 209.2  |
| 47.5°  | 3856.8 | 3285.8 | 2412.9 | 1539.8 | 1076.8 | 613.8  | 461.4  | 309.0  | 260.2  | 211.1  | 204.4  |
| 50°    | 4009.7 | 3442.4 | 2511.9 | 1581.4 | 1091.4 | 601.3  | 448.7  | 295.7  | 246.6  | 197.5  | 206.5  |
| 52.5°  | 4200.1 | 3665.9 | 2665.4 | 1664.5 | 1121.9 | 579.3  | 428.5  | 277.7  | 230.2  | 182.4  | 196.5  |
| 55°    | 4479.6 | 3952.4 | 2861.6 | 1770.5 | 1158.8 | 546.9  | 397.9  | 248.8  | 208.4  | 167.8  | 180.3  |
| 57.5°  | 4730.5 | 4241.8 | 3049.8 | 1857.5 | 1181.9 | 506.0  | 359.5  | 212.9  | 184.0  | 155.0  | 162.2  |
| 60°    | 4842.3 | 4391.0 | 3137.9 | 1884.6 | 1168.1 | 451.6  | 316.2  | 180.5  | 162.5  | 144.4  | 143.1  |
| 62.5°  | 4798.7 | 4296.2 | 3051.1 | 1806.0 | 1100.7 | 395.3  | 278.0  | 160.6  | 147.1  | 133.3  | 130.3  |
| 65°    | 4671.3 | 3998.3 | 2807.9 | 1617.5 | 986.8  | 356.0  | 253.8  | 151.6  | 136.5  | 121.3  | 118.1  |
| 67.5°  | 4420.2 | 3574.4 | 2463.3 | 1352.3 | 842.1  | 331.8  | 240.0  | 148.1  | 129.8  | 111.2  | 107.5  |
| 70°    | 3969.4 | 3064.1 | 2066.5 | 1068.5 | 692.9  | 317.0  | 231.0  | 144.9  | 122.6  | 100.1  | 96.6   |
| 72.5°  | 3260.3 | 2456.7 | 1650.2 | 843.4  | 579.3  | 315.1  | 229.9  | 144.7  | 116.8  | 88.9   | 85.7   |
| 75°    | 2334.3 | 1866.0 | 1259.7 | 653.1  | 474.4  | 295.7  | 218.2  | 140.7  | 108.8  | 76.7   | 73.8   |
| 77.5°  | 1570.8 | 1291.5 | 875.5  | 459.3  | 352.0  | 244.8  | 183.4  | 122.1  | 93.2   | 64.2   | 61.3   |
| 80°    | 1008.8 | 893.9  | 586.7  | 279.5  | 228.3  | 177.1  | 131.1  | 85.2   | 68.0   | 50.4   | 48.1   |
| 82.5°  | 740.1  | 665.3  | 407.8  | 150.3  | 126.9  | 103.3  | 80.2   | 57.1   | 46.5   | 35.8   | 34.8   |
| 85°    | 470.4  | 518.7  | 300.3  | 81.8   | 66.9   | 52.0   | 43.0   | 34.0   | 26.8   | 19.6   | 19.6   |
| 87.5°  | 91.3   | 126.4  | 83.1   | 39.6   | 28.9   | 18.3   | 15.7   | 12.7   | 7.2    | 1.3    | 1.6    |
| 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°     | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 2.5°   | 1907.2 | 1888.9 | 1870.5 | 1849.8 | 1828.9 | 1809.5 | 1789.8 | 1768.3 | 1772.3 | 1755.9 | 1739.4 |
| 5°     | 1587.5 | 1558.3 | 1528.9 | 1503.4 | 1477.9 | 1455.9 | 1433.6 | 1413.7 | 1430.9 | 1419.2 | 1407.6 |
| 7.5°   | 1227.0 | 1190.9 | 1154.6 | 1124.0 | 1093.5 | 1069.9 | 1046.0 | 1029.5 | 1046.5 | 1044.4 | 1042.3 |
| 10°    | 1026.3 | 991.3  | 956.0  | 922.3  | 888.5  | 859.9  | 830.9  | 806.5  | 802.3  | 790.1  | 777.6  |
| 12.5°  | 939.3  | 891.2  | 842.9  | 807.6  | 772.3  | 738.0  | 703.8  | 675.1  | 662.1  | 641.9  | 621.5  |
| 15°    | 833.9  | 777.0  | 720.2  | 680.1  | 639.8  | 606.6  | 573.2  | 548.5  | 540.2  | 524.6  | 508.9  |
| 17.5°  | 695.0  | 632.9  | 570.8  | 530.2  | 489.3  | 462.7  | 435.9  | 419.5  | 419.5  | 414.9  | 410.4  |
| 20°    | 531.7  | 476.3  | 420.8  | 389.7  | 358.7  | 344.6  | 330.3  | 323.3  | 325.5  | 325.7  | 325.7  |
| 22.5°  | 390.0  | 356.0  | 322.0  | 309.5  | 296.8  | 291.8  | 286.7  | 283.8  | 284.9  | 285.1  | 285.4  |
| 25°    | 307.2  | 294.1  | 280.9  | 274.5  | 267.9  | 264.7  | 261.5  | 260.4  | 262.8  | 263.1  | 263.1  |
| 27.5°  | 269.7  | 261.8  | 253.5  | 249.5  | 245.3  | 244.0  | 242.6  | 240.8  | 243.2  | 243.2  | 242.9  |
| 30°    | 250.9  | 242.4  | 233.9  | 228.8  | 223.8  | 224.3  | 224.6  | 224.1  | 225.7  | 226.7  | 227.5  |
| 32.5°  | 235.5  | 227.2  | 219.0  | 214.0  | 208.7  | 207.9  | 207.1  | 206.5  | 210.0  | 211.8  | 213.7  |
| 35°    | 221.7  | 212.6  | 203.6  | 198.8  | 194.1  | 192.2  | 190.3  | 189.0  | 192.2  | 194.6  | 197.0  |
| 37.5°  | 212.4  | 203.1  | 193.5  | 189.0  | 184.2  | 181.9  | 179.5  | 177.9  | 179.2  | 180.3  | 181.3  |
| 40°    | 204.9  | 195.4  | 185.6  | 180.3  | 174.9  | 172.6  | 170.2  | 168.8  | 169.6  | 169.9  | 170.2  |
| 42.5°  | 198.0  | 188.8  | 179.5  | 173.6  | 167.5  | 164.6  | 161.7  | 160.1  | 160.6  | 161.1  | 161.4  |
| 45°    | 193.0  | 183.7  | 174.2  | 167.2  | 160.1  | 156.9  | 153.7  | 151.9  | 152.1  | 152.1  | 152.1  |
| 47.5°  | 197.8  | 184.2  | 170.4  | 162.5  | 154.2  | 150.5  | 146.8  | 144.9  | 144.4  | 143.9  | 143.4  |
| 50°    | 215.3  | 192.2  | 168.8  | 158.8  | 148.4  | 144.4  | 140.2  | 138.0  | 136.7  | 136.2  | 135.7  |
| 52.5°  | 210.3  | 190.3  | 170.2  | 157.2  | 143.9  | 139.1  | 134.3  | 130.9  | 129.6  | 128.8  | 128.0  |
| 55°    | 192.5  | 180.0  | 167.2  | 151.6  | 135.9  | 131.7  | 127.2  | 124.8  | 122.4  | 121.9  | 121.3  |
| 57.5°  | 169.1  | 164.1  | 159.0  | 143.1  | 127.2  | 123.2  | 118.9  | 117.3  | 115.2  | 115.2  | 115.0  |
| 60°    | 141.5  | 148.9  | 156.4  | 138.0  | 119.5  | 115.0  | 110.4  | 109.1  | 108.3  | 108.0  | 107.8  |
| 62.5°  | 127.2  | 139.4  | 151.3  | 131.9  | 112.3  | 107.5  | 102.7  | 101.1  | 100.9  | 101.1  | 101.1  |
| 65°    | 115.0  | 118.7  | 122.4  | 113.4  | 104.3  | 99.6   | 94.5   | 92.9   | 93.4   | 94.2   | 95.0   |
| 67.5°  | 103.8  | 103.0  | 102.2  | 99.0   | 95.6   | 91.6   | 87.3   | 85.7   | 86.0   | 87.1   | 88.1   |
| 70°    | 93.2   | 92.1   | 90.8   | 88.4   | 86.0   | 82.6   | 79.1   | 78.0   | 77.8   | 79.1   | 80.2   |
| 72.5°  | 82.6   | 81.2   | 79.6   | 77.8   | 75.7   | 72.7   | 69.8   | 69.0   | 69.3   | 70.1   | 70.9   |
| 75°    | 70.9   | 69.8   | 68.5   | 66.9   | 65.0   | 62.4   | 59.7   | 59.2   | 59.7   | 60.5   | 61.3   |
| 77.5°  | 58.1   | 57.9   | 57.3   | 56.0   | 54.7   | 51.8   | 48.6   | 48.3   | 49.1   | 49.9   | 50.4   |
| 80°    | 45.4   | 45.7   | 45.9   | 44.9   | 43.8   | 40.6   | 37.2   | 36.9   | 37.7   | 38.5   | 39.3   |
| 82.5°  | 33.4   | 34.2   | 34.8   | 33.4   | 32.1   | 28.4   | 24.7   | 24.2   | 26.8   | 27.6   | 28.4   |
| 85°    | 19.4   | 20.4   | 21.5   | 20.4   | 19.4   | 15.7   | 11.9   | 11.7   | 14.1   | 15.4   | 16.7   |
| 87.5°  | 1.6    | 2.1    | 2.7    | 2.4    | 2.1    | 1.1    | 0.0    | 0.0    | 0.3    | 1.3    | 2.4    |
| 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: P385973

CATALOG NUMBER: GPC-SA1C-750-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  |

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CATALOG NUMBER: GPC-SA1C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 2.5°   | 1729.0 | 1718.7 | 1715.5 | 1712.3 | 1700.6 | 1688.7 | 1700.9 | 1712.8 | 1717.9 | 1722.9 | 1709.9 |
| 5°     | 1406.0 | 1404.1 | 1404.1 | 1403.8 | 1393.2 | 1382.3 | 1390.6 | 1398.5 | 1380.7 | 1363.0 | 1361.1 |
| 7.5°   | 1053.7 | 1065.1 | 1074.4 | 1083.4 | 1080.0 | 1076.5 | 1084.2 | 1091.9 | 1069.3 | 1046.5 | 1035.4 |
| 10°    | 780.2  | 782.6  | 792.7  | 802.8  | 805.2  | 807.3  | 816.9  | 826.2  | 808.6  | 791.1  | 783.4  |
| 12.5°  | 608.7  | 596.0  | 597.3  | 598.4  | 603.2  | 607.7  | 617.8  | 627.6  | 620.4  | 613.0  | 613.8  |
| 15°    | 493.0  | 476.8  | 470.2  | 463.3  | 468.6  | 473.9  | 481.0  | 487.9  | 488.2  | 488.2  | 495.1  |
| 17.5°  | 402.5  | 394.2  | 387.6  | 380.7  | 387.9  | 394.8  | 395.6  | 396.4  | 396.6  | 396.9  | 396.4  |
| 20°    | 329.7  | 333.7  | 331.6  | 329.5  | 332.1  | 334.5  | 336.6  | 338.5  | 336.1  | 333.4  | 326.8  |
| 22.5°  | 289.1  | 292.6  | 295.2  | 297.6  | 302.1  | 306.4  | 304.2  | 301.8  | 297.1  | 292.0  | 287.0  |
| 25°    | 265.5  | 267.9  | 270.5  | 273.2  | 276.9  | 280.3  | 276.6  | 272.9  | 269.5  | 266.0  | 262.6  |
| 27.5°  | 245.6  | 248.0  | 250.3  | 252.5  | 255.9  | 259.1  | 255.7  | 252.2  | 249.3  | 246.4  | 243.7  |
| 30°    | 229.4  | 231.0  | 232.8  | 234.7  | 237.9  | 240.8  | 237.9  | 234.7  | 232.6  | 230.2  | 228.3  |
| 32.5°  | 215.6  | 217.2  | 218.0  | 218.8  | 221.7  | 224.6  | 222.5  | 220.3  | 218.5  | 216.6  | 215.3  |
| 35°    | 200.4  | 203.6  | 204.2  | 204.7  | 207.6  | 210.5  | 209.2  | 207.6  | 205.5  | 203.4  | 201.0  |
| 37.5°  | 185.0  | 188.8  | 190.9  | 192.7  | 195.7  | 198.6  | 197.2  | 195.9  | 193.0  | 190.1  | 185.8  |
| 40°    | 172.0  | 173.6  | 177.6  | 181.3  | 186.1  | 190.6  | 188.0  | 185.0  | 180.5  | 176.0  | 173.9  |
| 42.5°  | 161.1  | 160.9  | 164.6  | 168.3  | 175.5  | 182.4  | 177.6  | 172.8  | 168.6  | 164.3  | 163.8  |
| 45°    | 151.6  | 150.8  | 152.6  | 154.5  | 162.2  | 169.6  | 164.9  | 159.8  | 157.4  | 155.0  | 155.0  |
| 47.5°  | 143.1  | 142.6  | 143.9  | 144.9  | 149.7  | 154.2  | 151.9  | 149.5  | 148.1  | 146.8  | 147.1  |
| 50°    | 135.4  | 134.9  | 136.2  | 137.3  | 139.1  | 140.7  | 141.2  | 141.5  | 140.7  | 139.9  | 140.4  |
| 52.5°  | 128.2  | 128.2  | 128.8  | 129.0  | 131.4  | 133.8  | 133.8  | 133.5  | 133.5  | 133.5  | 134.1  |
| 55°    | 122.1  | 122.6  | 122.6  | 122.6  | 126.4  | 129.8  | 128.8  | 127.7  | 128.0  | 128.0  | 128.5  |
| 57.5°  | 116.0  | 116.8  | 117.3  | 117.9  | 121.6  | 125.3  | 124.2  | 123.2  | 123.2  | 123.2  | 123.4  |
| 60°    | 109.1  | 110.2  | 111.2  | 112.3  | 116.0  | 119.7  | 118.7  | 117.3  | 117.6  | 117.9  | 118.1  |
| 62.5°  | 102.5  | 103.5  | 104.6  | 105.7  | 109.4  | 113.1  | 112.0  | 110.7  | 111.5  | 112.0  | 112.0  |
| 65°    | 96.1   | 96.9   | 98.0   | 99.0   | 102.5  | 105.9  | 104.9  | 103.8  | 104.9  | 105.7  | 106.2  |
| 67.5°  | 88.9   | 89.5   | 90.5   | 91.6   | 95.0   | 98.5   | 97.4   | 96.1   | 97.4   | 98.5   | 99.6   |
| 70°    | 80.7   | 81.2   | 82.6   | 83.6   | 87.1   | 90.5   | 89.2   | 87.9   | 89.2   | 90.5   | 91.6   |
| 72.5°  | 71.7   | 72.2   | 73.5   | 74.6   | 78.6   | 82.6   | 81.0   | 79.4   | 81.0   | 82.6   | 83.1   |
| 75°    | 61.9   | 62.4   | 64.0   | 65.3   | 69.3   | 73.3   | 71.9   | 70.4   | 71.7   | 73.0   | 73.3   |
| 77.5°  | 51.2   | 52.0   | 54.2   | 56.3   | 59.5   | 62.7   | 61.9   | 61.1   | 61.9   | 62.7   | 62.7   |
| 80°    | 40.1   | 40.9   | 43.5   | 45.9   | 47.8   | 49.6   | 49.9   | 50.2   | 50.4   | 50.7   | 50.4   |
| 82.5°  | 29.7   | 30.8   | 33.2   | 35.6   | 35.6   | 35.6   | 37.7   | 39.6   | 39.6   | 39.3   | 39.0   |
| 85°    | 18.3   | 19.6   | 21.8   | 23.9   | 22.6   | 21.2   | 24.7   | 27.9   | 27.9   | 27.6   | 27.1   |
| 87.5°  | 3.7    | 5.0    | 7.2    | 9.0    | 7.7    | 6.4    | 9.8    | 13.3   | 13.5   | 13.5   | 13.0   |
| 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°     | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 2.5°   | 1696.7 | 1717.4 | 1737.8 | 1743.1 | 1751.1 | 1754.5 | 1757.7 | 1783.7 | 1809.5 | 1839.7 | 1870.0 |
| 5°     | 1359.0 | 1374.4 | 1389.8 | 1392.2 | 1400.4 | 1404.6 | 1408.9 | 1440.5 | 1471.8 | 1514.0 | 1556.2 |
| 7.5°   | 1024.2 | 1027.9 | 1031.6 | 1031.1 | 1038.0 | 1047.3 | 1056.3 | 1090.0 | 1123.5 | 1168.9 | 1214.0 |
| 10°    | 775.7  | 784.2  | 792.4  | 800.1  | 815.3  | 832.8  | 850.1  | 884.6  | 919.1  | 963.9  | 1008.5 |
| 12.5°  | 614.6  | 624.4  | 634.0  | 642.5  | 660.0  | 683.3  | 706.4  | 747.8  | 789.3  | 842.9  | 896.2  |
| 15°    | 501.7  | 501.0  | 500.2  | 506.0  | 521.4  | 546.9  | 572.1  | 615.9  | 659.7  | 718.6  | 777.3  |
| 17.5°  | 395.8  | 391.8  | 387.9  | 392.4  | 406.7  | 427.7  | 448.4  | 485.6  | 522.5  | 579.5  | 636.6  |
| 20°    | 320.2  | 317.5  | 314.9  | 319.1  | 328.1  | 336.9  | 345.6  | 372.5  | 399.0  | 445.5  | 491.7  |
| 22.5°  | 281.7  | 281.4  | 280.9  | 283.3  | 287.5  | 292.0  | 296.3  | 309.3  | 322.0  | 352.0  | 381.8  |
| 25°    | 259.1  | 258.8  | 258.6  | 259.6  | 263.1  | 266.5  | 270.0  | 278.5  | 287.0  | 301.3  | 315.7  |
| 27.5°  | 241.1  | 240.5  | 240.0  | 240.3  | 241.1  | 246.4  | 251.4  | 255.4  | 259.1  | 268.9  | 278.5  |
| 30°    | 226.5  | 226.2  | 225.9  | 225.9  | 225.1  | 227.0  | 228.8  | 234.9  | 240.8  | 250.9  | 261.0  |
| 32.5°  | 214.0  | 212.6  | 211.3  | 208.4  | 206.5  | 209.2  | 211.8  | 218.2  | 224.6  | 233.9  | 243.2  |
| 35°    | 198.3  | 194.9  | 191.1  | 189.5  | 189.8  | 192.5  | 195.1  | 201.5  | 207.6  | 217.7  | 227.5  |
| 37.5°  | 181.3  | 180.3  | 178.9  | 178.7  | 179.5  | 182.1  | 184.8  | 190.3  | 195.7  | 205.7  | 215.6  |
| 40°    | 171.8  | 171.2  | 170.7  | 170.2  | 170.7  | 173.4  | 176.0  | 181.3  | 186.4  | 196.2  | 205.7  |
| 42.5°  | 163.3  | 163.0  | 162.7  | 162.7  | 163.0  | 165.9  | 168.8  | 174.2  | 179.2  | 188.0  | 196.7  |
| 45°    | 155.0  | 155.3  | 155.3  | 155.8  | 156.6  | 159.6  | 162.2  | 168.0  | 173.9  | 182.4  | 190.9  |
| 47.5°  | 147.3  | 148.1  | 148.7  | 150.0  | 150.8  | 154.0  | 156.9  | 163.3  | 169.6  | 180.3  | 190.6  |
| 50°    | 140.7  | 141.5  | 142.0  | 143.1  | 145.2  | 148.9  | 152.6  | 160.3  | 167.8  | 185.6  | 203.1  |
| 52.5°  | 134.6  | 135.4  | 136.2  | 137.3  | 139.9  | 144.2  | 148.4  | 158.0  | 167.2  | 188.0  | 208.7  |
| 55°    | 129.0  | 129.8  | 130.3  | 131.9  | 134.6  | 138.3  | 141.8  | 153.4  | 165.1  | 180.3  | 195.4  |
| 57.5°  | 123.7  | 124.5  | 125.0  | 126.1  | 127.4  | 131.4  | 135.1  | 147.6  | 160.1  | 170.7  | 181.1  |
| 60°    | 118.1  | 118.7  | 118.9  | 118.9  | 120.0  | 124.5  | 129.0  | 144.9  | 160.6  | 158.8  | 156.6  |
| 62.5°  | 112.0  | 112.6  | 112.8  | 112.0  | 113.4  | 118.1  | 122.9  | 143.6  | 164.3  | 151.6  | 138.8  |
| 65°    | 106.5  | 106.2  | 105.9  | 105.1  | 106.7  | 111.5  | 116.0  | 126.4  | 136.7  | 131.7  | 126.6  |
| 67.5°  | 100.3  | 99.6   | 98.8   | 97.7   | 99.3   | 103.5  | 107.5  | 111.0  | 114.4  | 115.0  | 115.5  |
| 70°    | 92.7   | 91.6   | 90.5   | 90.3   | 91.1   | 94.5   | 98.0   | 100.3  | 102.5  | 103.5  | 104.3  |
| 72.5°  | 83.6   | 82.8   | 82.0   | 81.5   | 81.8   | 84.7   | 87.3   | 89.5   | 91.6   | 92.4   | 92.9   |
| 75°    | 73.5   | 73.5   | 73.3   | 71.7   | 71.7   | 74.1   | 76.2   | 78.0   | 79.9   | 81.0   | 82.0   |
| 77.5°  | 62.7   | 62.9   | 62.9   | 60.8   | 60.5   | 62.9   | 65.0   | 66.6   | 68.0   | 69.0   | 69.8   |
| 80°    | 50.2   | 49.6   | 49.1   | 47.8   | 47.3   | 50.2   | 52.8   | 54.2   | 55.2   | 55.5   | 55.5   |
| 82.5°  | 38.5   | 37.4   | 36.1   | 33.2   | 33.4   | 36.6   | 39.6   | 40.6   | 41.7   | 41.7   | 41.7   |
| 85°    | 26.3   | 24.2   | 21.8   | 19.4   | 19.6   | 23.1   | 26.3   | 27.3   | 28.4   | 28.9   | 29.2   |
| 87.5°  | 12.5   | 10.4   | 8.0    | 6.1    | 6.1    | 9.0    | 11.7   | 12.2   | 12.7   | 13.8   | 14.9   |
| 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):**

|        | 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°     | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 2.5°   | 1893.1 | 1915.9 | 1939.6 | 1963.2 | 1990.3 | 2017.3 | 2048.9 | 2080.3 | 2107.1 | 2133.9 | 2156.2 |
| 5°     | 1592.6 | 1629.0 | 1671.7 | 1714.4 | 1768.9 | 1823.3 | 1889.9 | 1956.3 | 2015.5 | 2074.7 | 2143.4 |
| 7.5°   | 1261.5 | 1308.8 | 1364.5 | 1420.3 | 1490.6 | 1561.0 | 1647.3 | 1733.6 | 1817.2 | 1900.5 | 2006.2 |
| 10°    | 1058.2 | 1107.8 | 1162.8 | 1217.5 | 1289.1 | 1360.6 | 1451.9 | 1542.9 | 1636.9 | 1730.6 | 1850.1 |
| 12.5°  | 951.5  | 1006.4 | 1054.7 | 1103.0 | 1161.2 | 1219.1 | 1307.5 | 1395.9 | 1506.3 | 1616.5 | 1731.4 |
| 15°    | 837.6  | 897.6  | 955.4  | 1013.3 | 1076.8 | 1140.0 | 1226.0 | 1312.0 | 1432.8 | 1553.6 | 1685.8 |
| 17.5°  | 699.8  | 763.0  | 833.6  | 903.9  | 986.8  | 1069.3 | 1179.5 | 1289.7 | 1432.8 | 1575.6 | 1731.4 |
| 20°    | 556.2  | 620.7  | 705.1  | 789.5  | 892.5  | 995.3  | 1138.1 | 1280.9 | 1473.7 | 1666.1 | 1865.0 |
| 22.5°  | 438.8  | 495.6  | 587.8  | 679.6  | 798.5  | 917.5  | 1100.7 | 1283.6 | 1535.5 | 1787.2 | 2055.6 |
| 25°    | 355.7  | 395.8  | 486.4  | 576.6  | 713.9  | 851.1  | 1077.8 | 1304.3 | 1625.5 | 1946.5 | 2279.4 |
| 27.5°  | 304.8  | 331.0  | 415.5  | 499.6  | 649.6  | 799.3  | 1068.5 | 1337.5 | 1739.7 | 2141.9 | 2522.8 |
| 30°    | 279.3  | 297.6  | 369.0  | 440.2  | 592.5  | 744.9  | 1057.4 | 1369.9 | 1849.6 | 2329.0 | 2713.2 |
| 32.5°  | 258.0  | 272.6  | 333.7  | 394.5  | 543.2  | 691.8  | 1035.9 | 1379.7 | 1926.3 | 2472.9 | 2874.3 |
| 35°    | 240.0  | 252.2  | 305.3  | 358.4  | 504.4  | 650.4  | 999.8  | 1349.1 | 1974.3 | 2599.5 | 3042.1 |
| 37.5°  | 225.4  | 234.9  | 284.1  | 333.2  | 471.0  | 608.7  | 958.6  | 1308.5 | 2017.1 | 2725.6 | 3230.8 |
| 40°    | 214.0  | 222.2  | 268.1  | 314.1  | 439.1  | 564.1  | 923.3  | 1282.2 | 2076.0 | 2869.8 | 3430.2 |
| 42.5°  | 207.6  | 218.2  | 254.3  | 290.2  | 408.8  | 527.5  | 894.9  | 1262.3 | 2130.7 | 2998.8 | 3604.6 |
| 45°    | 206.0  | 221.1  | 247.2  | 273.2  | 386.3  | 499.4  | 869.7  | 1239.8 | 2166.0 | 3092.3 | 3736.0 |
| 47.5°  | 203.4  | 215.8  | 241.6  | 267.3  | 375.1  | 482.6  | 856.2  | 1229.4 | 2201.3 | 3173.0 | 3845.1 |
| 50°    | 204.9  | 206.5  | 237.1  | 267.3  | 373.5  | 479.7  | 871.6  | 1263.4 | 2277.8 | 3291.9 | 3969.9 |
| 52.5°  | 202.0  | 195.1  | 228.6  | 262.0  | 373.3  | 484.5  | 915.9  | 1347.3 | 2419.8 | 3492.1 | 4105.0 |
| 55°    | 186.6  | 177.6  | 212.6  | 247.7  | 367.7  | 487.4  | 968.7  | 1449.8 | 2610.4 | 3770.8 | 4348.0 |
| 57.5°  | 173.1  | 164.9  | 194.6  | 224.1  | 350.7  | 477.3  | 1023.1 | 1568.7 | 2811.9 | 4054.9 | 4621.7 |
| 60°    | 155.0  | 153.2  | 174.4  | 195.7  | 324.4  | 452.9  | 1068.0 | 1682.8 | 2947.3 | 4211.5 | 4727.1 |
| 62.5°  | 140.2  | 141.2  | 156.9  | 172.6  | 291.5  | 410.2  | 1082.9 | 1755.3 | 2943.6 | 4131.9 | 4620.9 |
| 65°    | 128.8  | 130.6  | 146.0  | 161.4  | 263.4  | 365.3  | 1034.0 | 1702.5 | 2794.7 | 3886.6 | 4410.9 |
| 67.5°  | 117.6  | 119.7  | 138.0  | 156.1  | 238.4  | 320.4  | 911.9  | 1503.1 | 2526.8 | 3550.2 | 4143.8 |
| 70°    | 107.0  | 109.6  | 129.6  | 149.5  | 220.3  | 291.0  | 754.5  | 1218.0 | 2191.5 | 3164.7 | 3834.5 |
| 72.5°  | 95.6   | 98.2   | 119.5  | 140.7  | 208.9  | 276.9  | 615.1  | 953.1  | 1778.4 | 2603.5 | 3279.9 |
| 75°    | 83.9   | 85.7   | 108.8  | 131.7  | 193.3  | 254.9  | 482.6  | 710.1  | 1361.1 | 2012.0 | 2477.4 |
| 77.5°  | 72.2   | 74.6   | 94.0   | 113.1  | 164.1  | 214.8  | 363.7  | 512.6  | 998.7  | 1484.5 | 1722.9 |
| 80°    | 57.6   | 59.7   | 73.5   | 87.1   | 126.6  | 165.9  | 250.1  | 334.2  | 687.3  | 1040.4 | 1174.7 |
| 82.5°  | 44.1   | 46.5   | 55.7   | 64.8   | 90.3   | 115.7  | 151.6  | 187.4  | 456.6  | 725.5  | 736.7  |
| 85°    | 30.3   | 31.1   | 37.7   | 44.1   | 55.7   | 67.4   | 86.8   | 106.2  | 302.1  | 498.0  | 414.9  |
| 87.5°  | 15.1   | 15.1   | 19.6   | 24.2   | 30.0   | 35.8   | 45.9   | 55.7   | 96.6   | 137.5  | 79.1   |
| 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    |



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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  |

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CATALOG NUMBER: GPC-SA1C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 2.5°   | 2184.6 | 2204.0 | 2223.6 | 2238.5 | 2253.6 | 2275.4 | 2297.2 | 2301.1 | 2305.4 | 2296.9 | 2288.4 |
| 5°     | 2212.7 | 2271.4 | 2330.3 | 2384.8 | 2439.2 | 2471.8 | 2504.5 | 2511.1 | 2517.8 | 2497.3 | 2476.6 |
| 7.5°   | 2108.4 | 2210.6 | 2312.8 | 2406.5 | 2500.2 | 2557.1 | 2614.1 | 2626.9 | 2639.9 | 2606.4 | 2573.0 |
| 10°    | 1969.0 | 2094.6 | 2220.2 | 2343.6 | 2467.1 | 2549.6 | 2632.2 | 2648.6 | 2665.1 | 2623.4 | 2581.7 |
| 12.5°  | 1861.2 | 1995.3 | 2129.4 | 2259.5 | 2389.8 | 2475.3 | 2560.8 | 2581.2 | 2601.7 | 2571.4 | 2540.9 |
| 15°    | 1828.1 | 1954.2 | 2080.3 | 2193.6 | 2307.2 | 2377.1 | 2447.2 | 2455.4 | 2463.9 | 2459.1 | 2454.3 |
| 17.5°  | 1888.3 | 2002.2 | 2116.4 | 2178.0 | 2239.8 | 2267.7 | 2295.8 | 2304.9 | 2314.1 | 2326.1 | 2338.3 |
| 20°    | 2034.3 | 2114.5 | 2195.0 | 2192.3 | 2189.4 | 2175.8 | 2162.0 | 2159.6 | 2157.3 | 2191.5 | 2226.0 |
| 22.5°  | 2252.3 | 2284.1 | 2316.3 | 2241.7 | 2167.1 | 2121.7 | 2076.0 | 2067.0 | 2057.7 | 2094.1 | 2130.7 |
| 25°    | 2488.8 | 2483.0 | 2476.9 | 2334.9 | 2192.6 | 2106.0 | 2019.5 | 2009.4 | 1999.3 | 2030.4 | 2061.7 |
| 27.5°  | 2723.0 | 2684.8 | 2646.5 | 2453.5 | 2260.5 | 2135.0 | 2009.4 | 1999.3 | 1989.2 | 2016.8 | 2044.4 |
| 30°    | 2894.7 | 2833.4 | 2772.1 | 2553.6 | 2335.1 | 2185.9 | 2036.7 | 2020.3 | 2003.5 | 2037.5 | 2071.5 |
| 32.5°  | 3028.8 | 2946.5 | 2864.2 | 2634.8 | 2405.5 | 2244.1 | 2082.7 | 2056.9 | 2031.2 | 2076.5 | 2121.9 |
| 35°    | 3162.6 | 3046.9 | 2930.8 | 2707.3 | 2483.5 | 2312.8 | 2141.9 | 2110.3 | 2078.7 | 2141.1 | 2203.4 |
| 37.5°  | 3330.9 | 3164.7 | 2998.3 | 2788.8 | 2579.4 | 2415.8 | 2252.0 | 2219.6 | 2187.3 | 2266.6 | 2346.3 |
| 40°    | 3513.6 | 3291.9 | 3070.2 | 2878.0 | 2685.8 | 2558.4 | 2430.7 | 2399.9 | 2368.8 | 2465.5 | 2562.1 |
| 42.5°  | 3665.4 | 3410.3 | 3155.2 | 2985.5 | 2815.6 | 2725.9 | 2635.9 | 2635.6 | 2635.1 | 2733.1 | 2831.0 |
| 45°    | 3788.9 | 3509.1 | 3229.0 | 3090.4 | 2951.6 | 2904.8 | 2858.1 | 2895.5 | 2933.0 | 3021.4 | 3110.0 |
| 47.5°  | 3881.0 | 3591.9 | 3302.5 | 3210.4 | 3118.3 | 3125.2 | 3132.1 | 3208.3 | 3284.5 | 3341.3 | 3398.3 |
| 50°    | 3941.0 | 3667.0 | 3392.8 | 3364.4 | 3336.0 | 3397.8 | 3459.9 | 3547.3 | 3634.9 | 3673.6 | 3712.4 |
| 52.5°  | 4028.3 | 3769.0 | 3509.3 | 3541.2 | 3573.0 | 3699.4 | 3825.8 | 3914.2 | 4002.6 | 4016.9 | 4031.5 |
| 55°    | 4230.3 | 3956.4 | 3682.1 | 3743.2 | 3804.5 | 3989.8 | 4175.4 | 4244.4 | 4313.4 | 4318.8 | 4324.1 |
| 57.5°  | 4517.3 | 4218.9 | 3920.5 | 3986.4 | 4052.2 | 4266.2 | 4480.4 | 4554.8 | 4629.4 | 4619.0 | 4608.4 |
| 60°    | 4732.1 | 4468.2 | 4204.1 | 4270.4 | 4336.8 | 4545.5 | 4754.1 | 4839.6 | 4925.4 | 4902.5 | 4879.7 |
| 62.5°  | 4745.4 | 4604.4 | 4463.2 | 4523.2 | 4583.4 | 4787.8 | 4992.3 | 5080.1 | 5168.0 | 5128.2 | 5088.4 |
| 65°    | 4534.3 | 4597.5 | 4660.7 | 4680.6 | 4700.5 | 4891.1 | 5082.0 | 5149.2 | 5216.6 | 5196.4 | 5176.2 |
| 67.5°  | 4243.6 | 4476.4 | 4709.5 | 4669.4 | 4629.4 | 4718.8 | 4808.3 | 4877.6 | 4946.9 | 4935.5 | 4923.8 |
| 70°    | 3953.5 | 4264.3 | 4575.2 | 4378.2 | 4181.0 | 4144.1 | 4107.2 | 4181.8 | 4256.6 | 4210.4 | 4164.0 |
| 72.5°  | 3459.4 | 3790.7 | 4122.3 | 3759.4 | 3396.5 | 3270.4 | 3144.3 | 3239.1 | 3333.8 | 3260.3 | 3186.5 |
| 75°    | 2715.5 | 3081.6 | 3448.0 | 3015.0 | 2582.0 | 2413.7 | 2245.4 | 2326.9 | 2408.4 | 2358.0 | 2307.2 |
| 77.5°  | 2021.6 | 2382.4 | 2743.2 | 2303.0 | 1862.6 | 1737.5 | 1612.2 | 1636.4 | 1660.8 | 1652.3 | 1643.6 |
| 80°    | 1371.2 | 1622.6 | 1874.3 | 1581.2 | 1288.1 | 1297.6 | 1307.5 | 1296.1 | 1284.4 | 1301.4 | 1318.4 |
| 82.5°  | 875.0  | 1069.1 | 1263.4 | 1107.8 | 952.3  | 1041.5 | 1130.7 | 1086.9 | 1042.8 | 1059.0 | 1075.4 |
| 85°    | 499.4  | 689.2  | 879.3  | 819.5  | 759.5  | 811.6  | 863.9  | 795.9  | 727.9  | 757.7  | 787.7  |
| 87.5°  | 131.7  | 381.2  | 631.0  | 572.9  | 514.8  | 447.3  | 379.9  | 289.9  | 199.9  | 292.0  | 384.1  |
| 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    |



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**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  |

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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 | 2022.9 |
| 2.5°   | 2283.9 | 2279.4 | 2263.2 | 2246.7 | 2222.3 | 2202.1 | 2167.1 |
| 5°     | 2447.9 | 2419.3 | 2369.9 | 2320.3 | 2265.0 | 2201.6 | 2131.2 |
| 7.5°   | 2506.1 | 2438.9 | 2344.1 | 2249.1 | 2163.6 | 2063.3 | 1969.8 |
| 10°    | 2481.4 | 2380.8 | 2257.6 | 2134.2 | 2030.4 | 1914.9 | 1811.1 |
| 12.5°  | 2434.1 | 2327.2 | 2191.5 | 2055.6 | 1937.4 | 1813.5 | 1697.2 |
| 15°    | 2369.1 | 2283.6 | 2156.5 | 2029.3 | 1910.4 | 1789.8 | 1652.1 |
| 17.5°  | 2298.0 | 2257.3 | 2165.5 | 2073.4 | 1970.4 | 1853.5 | 1691.9 |
| 20°    | 2240.6 | 2255.5 | 2218.8 | 2182.2 | 2099.6 | 1997.7 | 1816.1 |
| 22.5°  | 2201.9 | 2273.3 | 2301.4 | 2329.8 | 2280.2 | 2200.5 | 1990.5 |
| 25°    | 2180.1 | 2298.5 | 2392.7 | 2487.2 | 2465.2 | 2403.9 | 2202.4 |
| 27.5°  | 2189.6 | 2334.9 | 2481.1 | 2627.7 | 2648.1 | 2631.1 | 2425.6 |
| 30°    | 2218.3 | 2365.4 | 2543.5 | 2721.9 | 2803.4 | 2826.3 | 2611.7 |
| 32.5°  | 2266.1 | 2410.3 | 2604.3 | 2798.6 | 2921.8 | 2994.6 | 2781.9 |
| 35°    | 2338.3 | 2473.2 | 2675.5 | 2877.8 | 3037.0 | 3169.8 | 2957.7 |
| 37.5°  | 2462.3 | 2578.3 | 2764.9 | 2951.8 | 3158.4 | 3357.7 | 3151.2 |
| 40°    | 2643.9 | 2725.9 | 2883.6 | 3041.6 | 3301.5 | 3570.6 | 3367.0 |
| 42.5°  | 2873.0 | 2915.2 | 3040.2 | 3165.3 | 3450.9 | 3763.9 | 3578.1 |
| 45°    | 3121.2 | 3132.3 | 3210.9 | 3289.8 | 3569.3 | 3895.6 | 3736.6 |
| 47.5°  | 3360.1 | 3321.9 | 3353.2 | 3384.5 | 3660.1 | 3989.6 | 3856.8 |
| 50°    | 3606.0 | 3499.5 | 3483.0 | 3466.6 | 3750.9 | 4100.3 | 4009.7 |
| 52.5°  | 3856.0 | 3680.5 | 3615.5 | 3550.2 | 3859.2 | 4247.1 | 4200.1 |
| 55°    | 4100.8 | 3877.5 | 3789.9 | 3702.3 | 4024.9 | 4426.3 | 4479.6 |
| 57.5°  | 4355.4 | 4102.4 | 4021.2 | 3939.9 | 4268.3 | 4653.3 | 4730.5 |
| 60°    | 4629.4 | 4378.8 | 4313.7 | 4248.4 | 4571.0 | 4898.6 | 4842.3 |
| 62.5°  | 4889.3 | 4690.2 | 4655.9 | 4621.4 | 4877.0 | 5087.0 | 4798.7 |
| 65°    | 5062.9 | 4949.3 | 4981.1 | 5013.2 | 5108.5 | 5134.0 | 4671.3 |
| 67.5°  | 4946.9 | 4970.0 | 5104.6 | 5239.4 | 5173.8 | 4994.4 | 4420.2 |
| 70°    | 4302.3 | 4440.9 | 4759.7 | 5078.8 | 4933.3 | 4620.3 | 3969.4 |
| 72.5°  | 3342.1 | 3497.9 | 3971.2 | 4444.9 | 4310.8 | 3927.4 | 3260.3 |
| 75°    | 2483.0 | 2659.0 | 3181.5 | 3703.9 | 3517.8 | 2937.7 | 2334.3 |
| 77.5°  | 1761.4 | 1879.3 | 2395.1 | 2911.2 | 2607.8 | 1955.5 | 1570.8 |
| 80°    | 1282.2 | 1246.1 | 1533.7 | 1821.2 | 1770.7 | 1293.4 | 1008.8 |
| 82.5°  | 987.3  | 899.2  | 1034.6 | 1169.9 | 1162.5 | 897.6  | 740.1  |
| 85°    | 752.4  | 717.0  | 836.8  | 956.5  | 854.0  | 607.9  | 470.4  |
| 87.5°  | 438.6  | 493.3  | 634.2  | 775.5  | 581.9  | 184.5  | 91.3   |
| 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: P385973

CATALOG NUMBER: GPC-SA1C-750-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  |

LM-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-4-R4

Test Date: 10/02/2019

Luminaire Tested: SA1C-750-U-5WQ

Data in this report applies to families of products SA1C-760-U-5WQ .

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### Test Information

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-4-R4  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/28/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: MCGRAW-EDISON  
 Catalog Number: **SA1C-750-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):                  | 4884   | CRI (Ra): | 73.5 |      |       |
| CIE u':                   | 0.2101 | R1:       | 70.5 | R9:  | -28.4 |
| CIE v':                   | 0.4904 | R2:       | 77.7 | R10: | 48.6  |
| Duv:                      | 0.0037 | R3:       | 84.6 | R11: | 73.2  |
| CIE x:                    | 0.3493 | R4:       | 74.7 | R12: | 50.7  |
| CIE y:                    | 0.3624 | R5:       | 71.9 | R13: | 71.2  |
| CIE z:                    | 0.2884 | R6:       | 70.7 | R14: | 91.4  |
| Peak Wavelength (nm):     | 444    | R7:       | 81.2 |      |       |
| Dominant Wavelength (nm): | 571    | R8:       | 56.9 |      |       |
| Purity:                   | 13.7   |           |      |      |       |
| Rf:                       | 74.9   |           |      |      |       |
| Rg:                       | 96.3   |           |      |      |       |



### Test Conditions

Stabilization Time: 240M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.0./44%  
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-4-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: SP1-1908-441-4-R4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-4-R4

**Photopic Flux vs. Wavelength**



#####

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-4-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 13493.5

S/P: 1.77

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-4-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5378.9**

**M/P: 0.71**

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-4-R4

**TM-30-18**

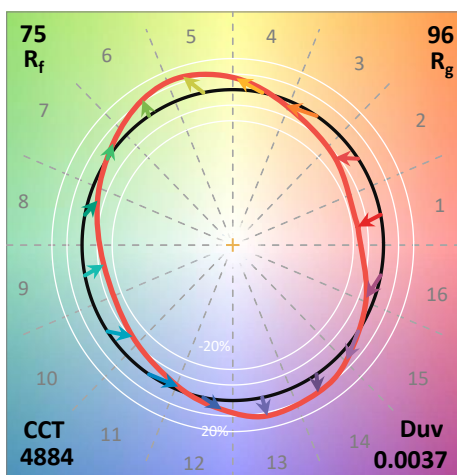
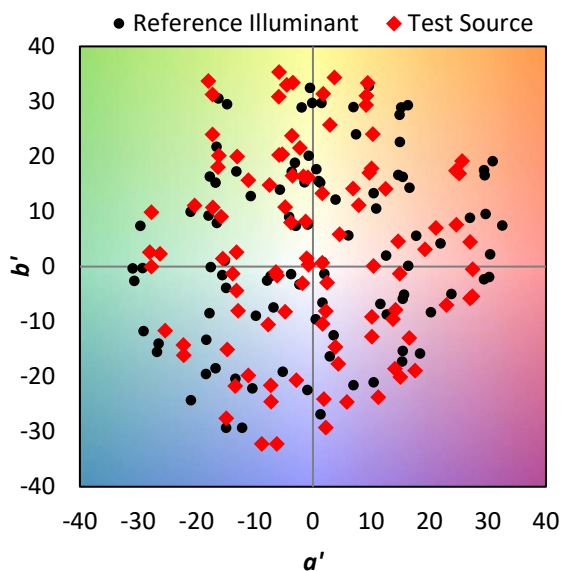
**Summary**

$R_f = 74.9$   
 $R_g = 96.3$   
 CIE  $R_a = 73.5$   
 $R_g = -28.4$

**Spectral Power Distribution Comparison**



**Color Vector Graphics**



REPORT NUMBER: SP1-1908-441-4-R4

**TM-30-18**

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

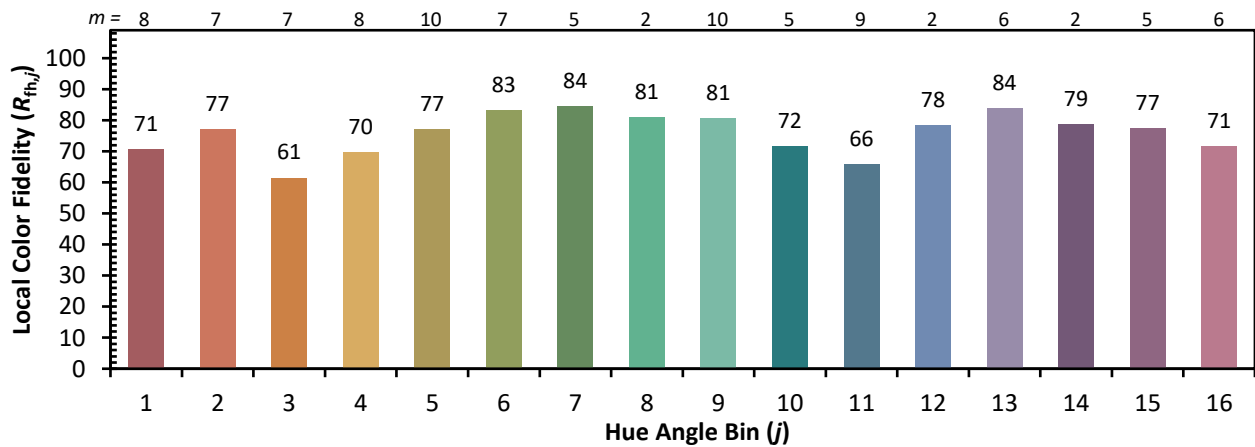
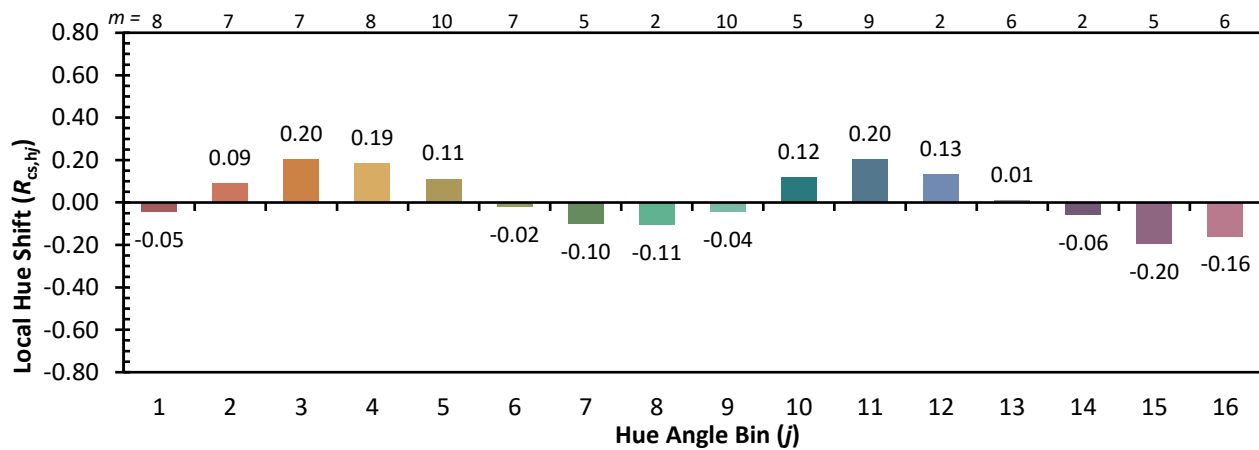
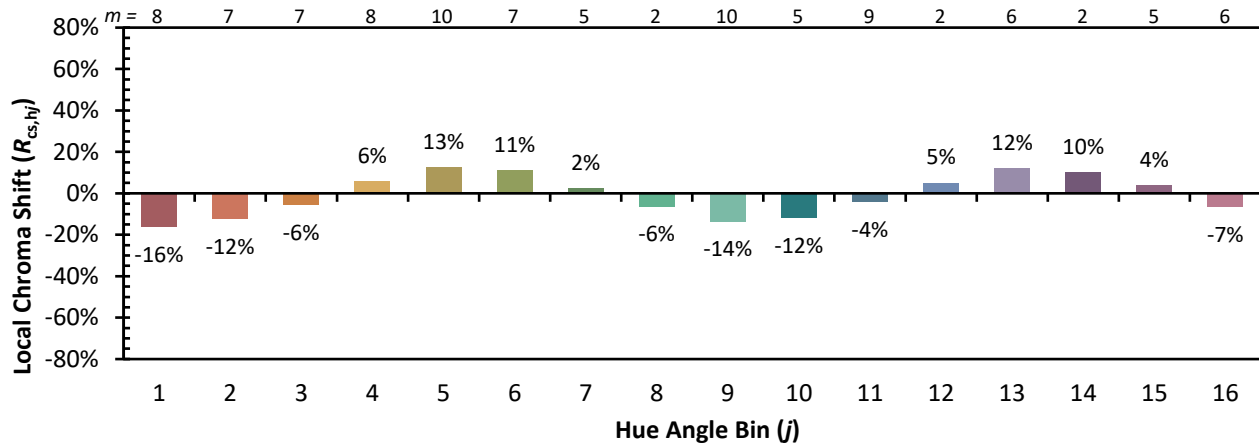
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 61 | CES51 = 90 | CES76 = 52 |
| CES02 = 60 | CES27 = 84 | CES52 = 91 | CES77 = 71 |
| CES03 = 30 | CES28 = 81 | CES53 = 79 | CES78 = 54 |
| CES04 = 69 | CES29 = 58 | CES54 = 83 | CES79 = 80 |
| CES05 = 46 | CES30 = 67 | CES55 = 83 | CES80 = 77 |
| CES06 = 50 | CES31 = 63 | CES56 = 73 | CES81 = 77 |
| CES07 = 39 | CES32 = 59 | CES57 = 72 | CES82 = 90 |
| CES08 = 38 | CES33 = 69 | CES58 = 73 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 88 | CES84 = 88 |
| CES10 = 73 | CES35 = 83 | CES60 = 93 | CES85 = 84 |
| CES11 = 56 | CES36 = 95 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 78 | CES62 = 85 | CES87 = 78 |
| CES13 = 41 | CES38 = 76 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 93 | CES64 = 74 | CES89 = 75 |
| CES15 = 70 | CES40 = 86 | CES65 = 67 | CES90 = 77 |
| CES16 = 46 | CES41 = 87 | CES66 = 69 | CES91 = 89 |
| CES17 = 49 | CES42 = 78 | CES67 = 67 | CES92 = 66 |
| CES18 = 55 | CES43 = 75 | CES68 = 73 | CES93 = 80 |
| CES19 = 71 | CES44 = 99 | CES69 = 81 | CES94 = 57 |
| CES20 = 64 | CES45 = 83 | CES70 = 63 | CES95 = 71 |
| CES21 = 85 | CES46 = 81 | CES71 = 60 | CES96 = 78 |
| CES22 = 77 | CES47 = 80 | CES72 = 86 | CES97 = 85 |
| CES23 = 91 | CES48 = 72 | CES73 = 53 | CES98 = 75 |
| CES24 = 90 | CES49 = 81 | CES74 = 96 | CES99 = 62 |
| CES25 = 71 | CES50 = 89 | CES75 = 58 |            |



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Color Rendition by Hue-Angle Bin



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**Measure Comparisons**



(END OF REPORT)