

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: STREETWORKS

Report Number: P200159

Luminaire Tested: **GAP-AF-01-LED-U-SLL**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P200159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAP-AF-01-LED-U-SLL  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5716.3 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
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

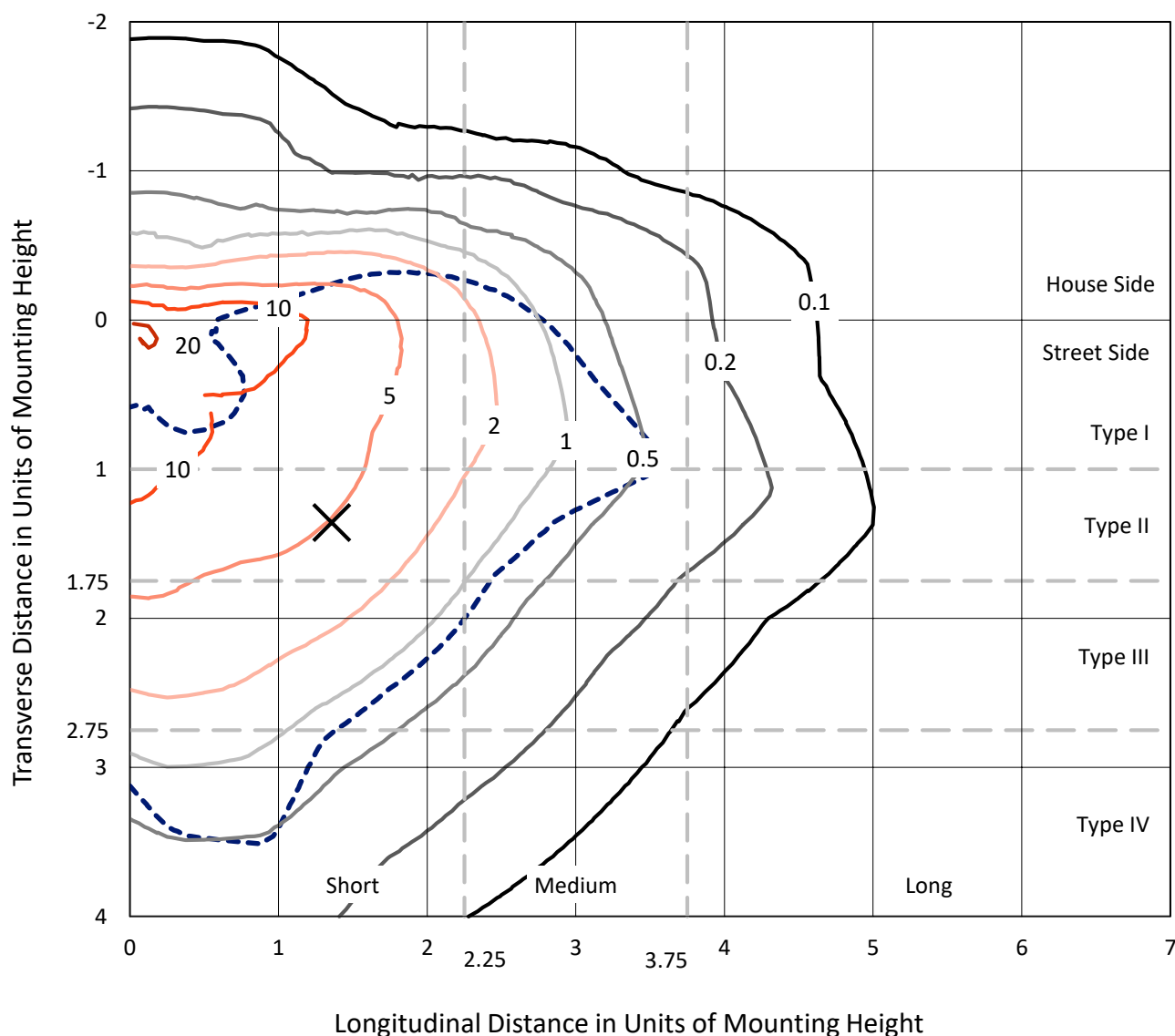


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

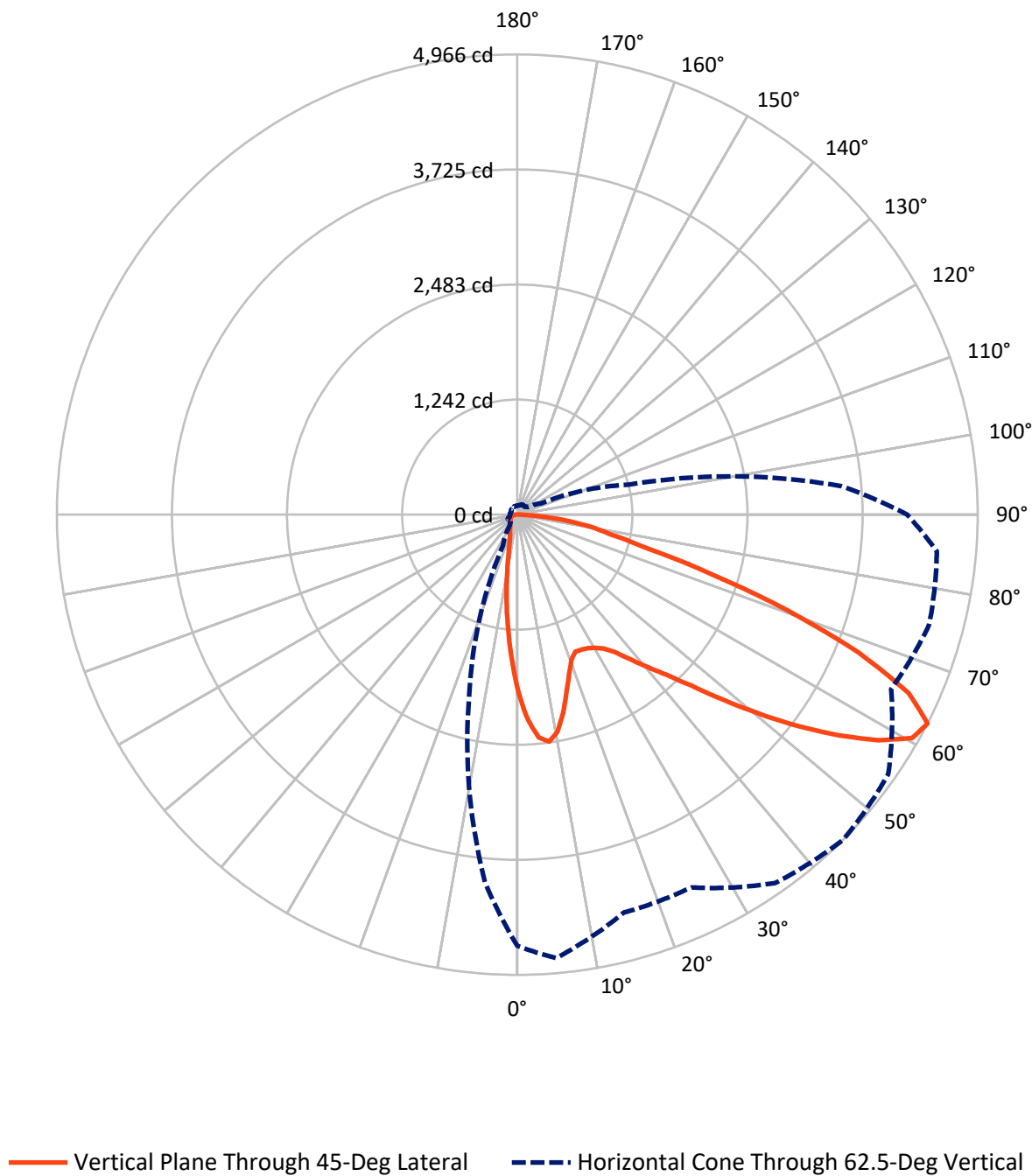


Based on 10 foot mounting height. Maximum calculated value = 22.7 fc  
 Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 946.0    | 0.0    | 946.0  |
|                    | % Fixture | 16.5     | 0.0    | 16.5   |
| <b>Street Side</b> | Lumens    | 4770.3   | 0.0    | 4770.3 |
|                    | % Fixture | 83.5     | 0.0    | 83.5   |
| <b>Total</b>       | Lumens    | 5716.3   | 0.0    | 5716.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 140.6  | 2.5       |
| 10°-20°   | 257.8  | 4.5       |
| 20°-30°   | 375.9  | 6.6       |
| 30°-40°   | 578.9  | 10.1      |
| 40°-50°   | 852.0  | 14.9      |
| 50°-60°   | 1249.7 | 21.9      |
| 60°-70°   | 1397.0 | 24.4      |
| 70°-80°   | 683.9  | 12.0      |
| 80°-90°   | 180.6  | 3.2       |
| 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°    | 5716.3 | 100.0     |
| 0°-180°   | 5716.3 | 100.0     |

**Coefficient of Utilization**



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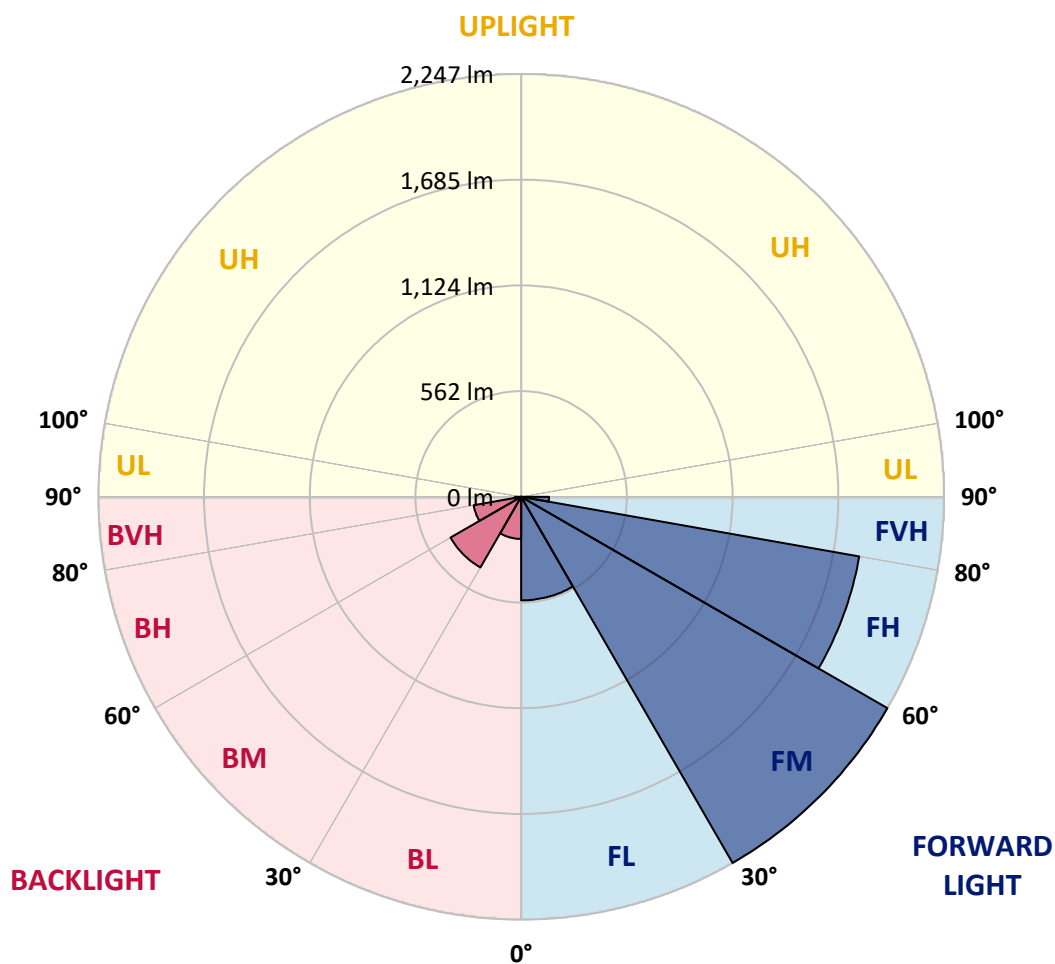
CATALOG NUMBER: GAP-AF-01-LED-U-SLL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 550.5  | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 2247.1 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 1824.4 | 31.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 148.3  | 2.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 223.8  | 3.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 433.4  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 256.5  | 4.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 32.3   | 0.6       |                         |      | 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 Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 |
| 2.5°  | 2006.7 | 2038.7 | 2101.2 | 2148.1 | 2205.0 | 2218.2 | 2236.4 | 2218.5 | 2186.8 | 2144.6 | 2130.8 |
| 5°    | 1886.9 | 1955.5 | 2107.2 | 2240.8 | 2359.5 | 2414.9 | 2430.2 | 2384.7 | 2292.6 | 2171.6 | 2097.8 |
| 7.5°  | 1694.9 | 1792.4 | 1997.8 | 2194.5 | 2369.6 | 2473.0 | 2470.4 | 2364.6 | 2195.3 | 1998.2 | 1879.7 |
| 10°   | 1529.3 | 1640.6 | 1876.3 | 2096.2 | 2281.9 | 2382.1 | 2343.5 | 2208.1 | 2006.0 | 1779.2 | 1650.6 |
| 12.5° | 1436.6 | 1545.7 | 1784.8 | 2005.7 | 2161.0 | 2195.6 | 2166.0 | 2033.4 | 1842.9 | 1613.6 | 1501.1 |
| 15°   | 1420.7 | 1540.4 | 1748.3 | 1928.2 | 2015.1 | 1985.0 | 1949.8 | 1890.4 | 1755.9 | 1560.1 | 1443.0 |
| 17.5° | 1490.0 | 1622.1 | 1790.2 | 1874.0 | 1859.3 | 1806.8 | 1796.8 | 1803.4 | 1771.0 | 1619.5 | 1484.4 |
| 20°   | 1623.3 | 1781.7 | 1889.8 | 1848.6 | 1740.9 | 1668.5 | 1671.1 | 1772.0 | 1867.8 | 1770.0 | 1615.8 |
| 22.5° | 1810.3 | 1991.0 | 2033.4 | 1862.1 | 1690.8 | 1605.1 | 1625.8 | 1789.2 | 2022.1 | 1990.0 | 1793.0 |
| 25°   | 2052.2 | 2216.9 | 2186.5 | 1911.2 | 1695.8 | 1613.0 | 1629.6 | 1848.9 | 2204.4 | 2210.0 | 2012.3 |
| 27.5° | 2286.6 | 2439.3 | 2314.9 | 1976.2 | 1716.6 | 1631.5 | 1653.5 | 1942.9 | 2378.4 | 2448.8 | 2263.1 |
| 30°   | 2469.5 | 2575.8 | 2365.9 | 2035.6 | 1757.5 | 1667.6 | 1694.9 | 2032.1 | 2457.6 | 2610.0 | 2456.0 |
| 32.5° | 2621.0 | 2697.3 | 2446.9 | 2109.1 | 1832.6 | 1724.5 | 1772.6 | 2140.5 | 2571.7 | 2763.3 | 2644.8 |
| 35°   | 2814.5 | 2836.2 | 2547.8 | 2191.2 | 1948.5 | 1823.5 | 1883.2 | 2246.7 | 2680.3 | 2918.3 | 2830.9 |
| 37.5° | 3041.4 | 3013.5 | 2643.0 | 2303.3 | 2098.4 | 1978.4 | 2027.7 | 2363.3 | 2769.9 | 3093.9 | 3021.0 |
| 40°   | 3265.8 | 3198.6 | 2762.4 | 2477.4 | 2317.1 | 2161.0 | 2219.4 | 2487.7 | 2853.5 | 3269.9 | 3206.7 |
| 42.5° | 3456.6 | 3356.9 | 2880.2 | 2668.8 | 2520.8 | 2362.4 | 2432.2 | 2613.1 | 2933.3 | 3420.0 | 3368.0 |
| 45°   | 3597.6 | 3473.8 | 2992.4 | 2852.6 | 2801.4 | 2630.1 | 2663.0 | 2756.8 | 3019.8 | 3545.4 | 3500.5 |
| 47.5° | 3723.6 | 3591.4 | 3119.4 | 3038.0 | 3046.8 | 2978.3 | 2925.1 | 2923.9 | 3121.5 | 3647.9 | 3625.8 |
| 50°   | 3892.3 | 3754.4 | 3255.7 | 3229.0 | 3415.0 | 3369.5 | 3252.3 | 3119.1 | 3250.4 | 3764.2 | 3761.7 |
| 52.5° | 4124.9 | 4012.7 | 3422.3 | 3434.9 | 3758.8 | 3788.7 | 3643.5 | 3353.4 | 3452.2 | 3977.5 | 3962.4 |
| 55°   | 4399.8 | 4334.4 | 3649.2 | 3671.5 | 4180.5 | 4201.9 | 4057.6 | 3646.6 | 3748.8 | 4286.4 | 4244.6 |
| 57.5° | 4614.4 | 4600.6 | 3898.1 | 3955.5 | 4495.4 | 4591.5 | 4458.9 | 3986.0 | 4083.1 | 4546.6 | 4441.7 |
| 60°   | 4699.9 | 4766.8 | 4162.9 | 4242.1 | 4786.7 | 4893.2 | 4776.9 | 4284.2 | 4379.5 | 4654.3 | 4428.1 |
| 62.5° | 4653.7 | 4803.4 | 4445.1 | 4438.5 | 4851.8 | 4966.4 | 4884.7 | 4450.1 | 4599.1 | 4543.1 | 4204.1 |
| 65°   | 4440.4 | 4672.3 | 4608.8 | 4387.9 | 4629.3 | 4638.7 | 4612.3 | 4376.0 | 4650.9 | 4191.5 | 3771.1 |
| 67.5° | 3975.6 | 4309.4 | 4393.3 | 3954.3 | 4029.1 | 3967.8 | 3923.4 | 3970.0 | 4380.7 | 3664.5 | 3169.3 |
| 70°   | 3238.2 | 3740.3 | 3780.5 | 3162.8 | 3128.8 | 3087.6 | 2999.3 | 3254.8 | 3847.4 | 3003.4 | 2514.8 |
| 72.5° | 2380.9 | 2908.9 | 3032.3 | 2319.6 | 2162.5 | 2171.0 | 2101.2 | 2452.8 | 3128.2 | 2231.1 | 1877.5 |
| 75°   | 1628.9 | 2106.3 | 2372.4 | 1618.6 | 1430.1 | 1433.6 | 1424.8 | 1738.0 | 2491.5 | 1552.0 | 1404.9 |
| 77.5° | 1190.0 | 1504.9 | 1789.2 | 1088.2 | 1056.4 | 1037.0 | 1032.3 | 1216.1 | 1910.2 | 1126.8 | 1091.0 |
| 80°   | 954.9  | 1111.7 | 1202.0 | 754.1  | 811.0  | 809.5  | 783.4  | 836.2  | 1247.5 | 824.2  | 816.0  |
| 82.5° | 662.4  | 854.4  | 973.8  | 591.1  | 547.4  | 538.3  | 544.5  | 622.8  | 881.7  | 563.4  | 535.7  |
| 85°   | 349.4  | 567.5  | 964.3  | 523.9  | 324.9  | 259.2  | 322.4  | 510.0  | 763.9  | 298.5  | 261.5  |
| 87.5° | 44.6   | 164.0  | 638.5  | 209.0  | 128.2  | 69.2   | 153.0  | 287.2  | 490.5  | 61.0   | 53.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 |
| 2.5°  | 2095.3 | 2053.5 | 1998.8 | 1948.2 | 1895.7 | 1843.6 | 1775.4 | 1732.7 | 1703.1 | 1697.5 | 1684.9 |
| 5°    | 2044.4 | 1905.5 | 1800.5 | 1709.8 | 1627.4 | 1511.1 | 1446.8 | 1393.3 | 1364.7 | 1361.9 | 1355.0 |
| 7.5°  | 1809.6 | 1618.0 | 1476.2 | 1347.7 | 1231.1 | 1137.2 | 1033.5 | 985.1  | 965.4  | 970.1  | 974.8  |
| 10°   | 1565.5 | 1351.2 | 1188.5 | 1057.1 | 954.3  | 875.1  | 791.9  | 735.6  | 696.6  | 688.8  | 687.2  |
| 12.5° | 1387.0 | 1151.9 | 993.9  | 901.2  | 821.7  | 747.3  | 659.0  | 592.6  | 542.1  | 524.8  | 513.1  |
| 15°   | 1311.6 | 1054.6 | 888.9  | 789.0  | 701.3  | 606.8  | 524.8  | 455.3  | 408.8  | 393.7  | 385.2  |
| 17.5° | 1327.6 | 1027.6 | 816.7  | 688.8  | 576.6  | 477.9  | 374.6  | 315.2  | 287.2  | 280.0  | 280.0  |
| 20°   | 1411.9 | 1022.5 | 757.0  | 596.4  | 456.5  | 342.2  | 257.4  | 223.4  | 214.3  | 213.4  | 215.8  |
| 22.5° | 1530.0 | 1040.1 | 712.4  | 516.3  | 354.8  | 249.8  | 200.5  | 187.9  | 183.8  | 184.7  | 187.6  |
| 25°   | 1706.0 | 1099.5 | 680.0  | 445.0  | 278.4  | 204.6  | 178.8  | 171.2  | 169.4  | 171.9  | 175.3  |
| 27.5° | 1914.6 | 1158.9 | 659.9  | 391.2  | 235.1  | 187.0  | 170.0  | 162.1  | 163.4  | 166.5  | 169.7  |
| 30°   | 2097.8 | 1207.6 | 628.2  | 352.9  | 221.6  | 187.9  | 170.0  | 159.3  | 158.0  | 158.7  | 159.6  |
| 32.5° | 2262.2 | 1240.5 | 591.1  | 316.4  | 191.1  | 166.8  | 158.7  | 157.1  | 150.2  | 147.7  | 148.0  |
| 35°   | 2403.8 | 1240.5 | 568.8  | 295.0  | 171.2  | 148.0  | 134.8  | 126.9  | 123.5  | 123.8  | 127.3  |
| 37.5° | 2540.5 | 1215.8 | 557.7  | 283.2  | 160.6  | 140.8  | 129.2  | 122.2  | 117.5  | 116.6  | 117.2  |
| 40°   | 2661.2 | 1179.7 | 545.2  | 278.1  | 152.4  | 136.4  | 125.4  | 119.7  | 114.7  | 113.1  | 113.4  |
| 42.5° | 2758.0 | 1150.4 | 531.3  | 271.5  | 147.4  | 133.2  | 122.9  | 117.8  | 112.2  | 110.6  | 110.3  |
| 45°   | 2862.6 | 1140.7 | 513.1  | 258.3  | 149.9  | 133.6  | 122.2  | 116.9  | 111.2  | 109.4  | 108.7  |
| 47.5° | 3000.6 | 1171.2 | 494.3  | 242.5  | 155.2  | 135.1  | 123.2  | 116.9  | 110.9  | 109.4  | 108.7  |
| 50°   | 3174.3 | 1242.8 | 470.4  | 219.6  | 149.9  | 139.5  | 122.9  | 115.9  | 110.9  | 109.4  | 108.1  |
| 52.5° | 3397.4 | 1339.6 | 438.9  | 193.2  | 146.8  | 150.2  | 122.2  | 114.1  | 109.4  | 107.1  | 105.0  |
| 55°   | 3668.6 | 1418.7 | 401.6  | 171.5  | 139.5  | 147.4  | 121.3  | 111.9  | 106.8  | 103.7  | 101.8  |
| 57.5° | 3867.3 | 1447.4 | 353.5  | 157.4  | 129.5  | 142.7  | 120.0  | 109.0  | 103.7  | 101.2  | 98.7   |
| 60°   | 3828.0 | 1392.0 | 313.0  | 148.6  | 123.5  | 128.8  | 119.1  | 106.5  | 100.9  | 99.0   | 96.8   |
| 62.5° | 3513.4 | 1247.5 | 286.9  | 144.5  | 119.7  | 117.5  | 120.0  | 104.0  | 98.3   | 96.5   | 95.9   |
| 65°   | 3041.7 | 1034.1 | 276.5  | 143.6  | 116.6  | 110.9  | 111.5  | 101.2  | 95.5   | 93.9   | 93.3   |
| 67.5° | 2509.1 | 834.6  | 267.4  | 146.8  | 112.5  | 106.2  | 103.1  | 97.4   | 92.7   | 91.1   | 89.9   |
| 70°   | 1978.7 | 694.2  | 263.3  | 144.8  | 107.5  | 101.5  | 98.0   | 93.3   | 89.2   | 87.7   | 86.7   |
| 72.5° | 1593.5 | 586.4  | 261.2  | 143.0  | 100.9  | 95.2   | 92.1   | 88.0   | 83.6   | 83.0   | 82.0   |
| 75°   | 1348.4 | 460.9  | 239.2  | 137.0  | 93.3   | 87.7   | 85.5   | 81.7   | 77.3   | 77.3   | 76.7   |
| 77.5° | 1040.1 | 333.4  | 198.9  | 121.3  | 85.5   | 79.2   | 77.3   | 74.5   | 69.5   | 70.4   | 70.1   |
| 80°   | 768.3  | 217.5  | 155.6  | 100.6  | 75.7   | 69.8   | 68.8   | 66.0   | 60.7   | 61.9   | 61.9   |
| 82.5° | 526.3  | 142.7  | 111.9  | 82.3   | 64.8   | 59.0   | 59.0   | 56.3   | 50.2   | 50.9   | 52.8   |
| 85°   | 264.2  | 98.0   | 83.6   | 63.8   | 50.2   | 47.5   | 47.5   | 45.2   | 39.3   | 39.6   | 42.1   |
| 87.5° | 80.4   | 59.0   | 55.3   | 45.5   | 36.1   | 35.5   | 34.0   | 32.3   | 28.6   | 28.2   | 29.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   | 285°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 |
| 2.5°  | 1665.8 | 1647.9 | 1626.2 | 1578.4 | 1562.4 | 1561.4 | 1575.9 | 1560.8 | 1589.7 | 1577.4 | 1591.0 |
| 5°    | 1343.3 | 1325.7 | 1301.5 | 1240.5 | 1203.5 | 1178.3 | 1166.5 | 1131.2 | 1156.7 | 1138.1 | 1153.6 |
| 7.5°  | 988.0  | 992.1  | 976.0  | 940.2  | 859.4  | 818.9  | 795.0  | 773.7  | 792.2  | 790.3  | 819.8  |
| 10°   | 694.5  | 705.4  | 694.2  | 658.0  | 592.6  | 570.3  | 574.7  | 583.2  | 607.4  | 620.0  | 665.5  |
| 12.5° | 499.9  | 499.3  | 492.0  | 459.7  | 416.6  | 419.2  | 437.1  | 451.8  | 474.1  | 487.3  | 533.9  |
| 15°   | 373.3  | 367.6  | 364.5  | 338.1  | 313.6  | 319.0  | 327.8  | 329.3  | 343.4  | 351.3  | 389.0  |
| 17.5° | 282.1  | 285.0  | 288.5  | 269.6  | 251.0  | 247.7  | 240.7  | 232.2  | 236.3  | 237.8  | 256.8  |
| 20°   | 224.0  | 235.4  | 243.9  | 230.7  | 211.8  | 201.7  | 192.9  | 187.3  | 187.3  | 187.0  | 192.3  |
| 22.5° | 195.8  | 204.0  | 213.1  | 204.0  | 187.0  | 178.2  | 173.2  | 168.8  | 168.1  | 168.1  | 173.2  |
| 25°   | 180.3  | 186.4  | 195.2  | 188.8  | 176.3  | 169.7  | 165.0  | 159.3  | 157.1  | 156.5  | 160.0  |
| 27.5° | 172.8  | 175.3  | 179.7  | 174.1  | 163.4  | 160.3  | 159.0  | 154.0  | 151.2  | 149.6  | 153.0  |
| 30°   | 160.0  | 159.3  | 159.6  | 154.0  | 145.5  | 145.2  | 147.4  | 148.3  | 147.4  | 147.1  | 152.4  |
| 32.5° | 148.0  | 146.8  | 146.4  | 141.4  | 133.6  | 131.7  | 133.6  | 135.4  | 137.6  | 140.8  | 147.1  |
| 35°   | 132.9  | 136.1  | 138.0  | 133.6  | 124.1  | 118.5  | 116.3  | 112.8  | 110.9  | 110.9  | 118.2  |
| 37.5° | 121.0  | 128.2  | 131.0  | 126.9  | 116.6  | 108.7  | 105.0  | 104.3  | 104.6  | 105.9  | 112.8  |
| 40°   | 116.9  | 122.2  | 124.8  | 120.7  | 110.3  | 103.1  | 100.9  | 100.2  | 100.9  | 102.7  | 109.7  |
| 42.5° | 114.4  | 118.2  | 117.8  | 112.8  | 104.3  | 99.3   | 98.0   | 97.4   | 98.0   | 99.9   | 107.5  |
| 45°   | 112.2  | 114.7  | 112.2  | 106.2  | 98.3   | 95.9   | 96.2   | 95.9   | 96.5   | 98.3   | 105.6  |
| 47.5° | 110.3  | 111.2  | 108.1  | 102.1  | 93.9   | 93.3   | 94.6   | 95.5   | 96.2   | 97.7   | 105.3  |
| 50°   | 107.5  | 107.5  | 104.6  | 98.3   | 90.2   | 90.5   | 92.1   | 94.3   | 94.6   | 96.5   | 102.4  |
| 52.5° | 104.0  | 103.7  | 101.8  | 95.9   | 87.1   | 88.0   | 88.0   | 90.5   | 91.1   | 93.3   | 99.6   |
| 55°   | 101.2  | 100.6  | 99.6   | 93.9   | 84.2   | 85.8   | 84.8   | 85.8   | 87.4   | 89.5   | 96.5   |
| 57.5° | 98.7   | 97.4   | 97.4   | 92.4   | 82.0   | 82.7   | 80.4   | 81.7   | 83.6   | 85.5   | 92.7   |
| 60°   | 96.2   | 94.9   | 95.5   | 90.2   | 78.6   | 77.9   | 77.0   | 79.5   | 80.1   | 82.3   | 89.5   |
| 62.5° | 93.3   | 92.4   | 92.7   | 87.7   | 76.0   | 74.5   | 74.5   | 76.7   | 77.0   | 80.1   | 87.1   |
| 65°   | 91.1   | 89.9   | 89.5   | 85.1   | 73.2   | 71.3   | 72.3   | 73.2   | 73.9   | 77.0   | 83.6   |
| 67.5° | 88.9   | 86.4   | 86.4   | 83.0   | 70.1   | 68.2   | 70.1   | 69.8   | 70.7   | 73.6   | 78.9   |
| 70°   | 86.1   | 82.7   | 83.0   | 81.4   | 66.9   | 64.8   | 66.3   | 66.0   | 66.6   | 68.5   | 73.9   |
| 72.5° | 81.7   | 78.9   | 79.5   | 78.9   | 63.8   | 60.7   | 61.3   | 61.3   | 61.3   | 62.8   | 68.5   |
| 75°   | 76.0   | 73.9   | 75.7   | 77.3   | 60.0   | 55.6   | 56.3   | 56.3   | 55.3   | 56.3   | 63.1   |
| 77.5° | 69.2   | 67.9   | 74.2   | 71.9   | 55.6   | 50.2   | 50.2   | 49.6   | 47.8   | 49.0   | 56.6   |
| 80°   | 61.6   | 60.7   | 68.5   | 60.4   | 50.6   | 43.7   | 43.1   | 41.4   | 39.6   | 40.5   | 48.1   |
| 82.5° | 53.7   | 52.8   | 57.5   | 46.2   | 43.7   | 36.1   | 34.6   | 31.7   | 29.9   | 30.8   | 37.7   |
| 85°   | 44.0   | 44.0   | 44.3   | 34.9   | 33.3   | 27.6   | 25.8   | 22.0   | 19.8   | 20.5   | 27.0   |
| 87.5° | 31.4   | 32.3   | 29.9   | 23.8   | 19.8   | 15.4   | 14.1   | 12.0   | 10.0   | 11.7   | 14.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 | 1931.2 |
| 2.5°  | 1660.0 | 1694.6 | 1733.9 | 1784.2 | 1827.3 | 1898.0 | 1965.8 | 2006.7 |
| 5°    | 1241.2 | 1298.7 | 1370.3 | 1462.4 | 1548.2 | 1677.0 | 1804.9 | 1886.9 |
| 7.5°  | 888.3  | 949.9  | 1027.2 | 1142.2 | 1263.5 | 1427.8 | 1596.9 | 1694.9 |
| 10°   | 735.0  | 798.1  | 863.2  | 940.8  | 1040.1 | 1218.9 | 1418.7 | 1529.3 |
| 12.5° | 608.0  | 675.6  | 745.6  | 827.4  | 919.4  | 1079.1 | 1309.4 | 1436.6 |
| 15°   | 465.3  | 540.8  | 623.4  | 726.8  | 842.1  | 1026.6 | 1282.4 | 1420.7 |
| 17.5° | 319.0  | 403.1  | 504.6  | 632.2  | 773.4  | 1009.7 | 1330.8 | 1490.0 |
| 20°   | 219.6  | 280.9  | 389.3  | 538.9  | 708.6  | 1007.4 | 1423.7 | 1623.3 |
| 22.5° | 183.8  | 211.1  | 290.3  | 453.2  | 659.9  | 1034.4 | 1568.0 | 1810.3 |
| 25°   | 170.0  | 186.4  | 231.9  | 378.7  | 624.4  | 1096.7 | 1766.6 | 2052.2 |
| 27.5° | 161.8  | 176.6  | 210.5  | 329.9  | 596.4  | 1168.9 | 1959.9 | 2286.6 |
| 30°   | 165.0  | 180.0  | 204.6  | 305.1  | 558.4  | 1229.3 | 2131.4 | 2469.5 |
| 32.5° | 148.6  | 155.2  | 175.3  | 283.2  | 531.0  | 1279.8 | 2281.6 | 2621.0 |
| 35°   | 126.6  | 138.3  | 156.5  | 272.7  | 531.6  | 1313.8 | 2445.4 | 2814.5 |
| 37.5° | 120.7  | 132.3  | 145.5  | 268.9  | 538.9  | 1349.9 | 2633.3 | 3041.4 |
| 40°   | 116.9  | 127.6  | 138.9  | 266.8  | 545.8  | 1382.9 | 2817.4 | 3265.8 |
| 42.5° | 114.4  | 124.1  | 138.3  | 259.2  | 549.3  | 1412.5 | 2968.8 | 3456.6 |
| 45°   | 114.1  | 124.1  | 140.8  | 251.7  | 554.6  | 1444.2 | 3095.8 | 3597.6 |
| 47.5° | 114.4  | 128.2  | 136.1  | 242.5  | 554.6  | 1497.3 | 3244.7 | 3723.6 |
| 50°   | 113.1  | 135.1  | 131.0  | 229.7  | 541.8  | 1597.8 | 3449.0 | 3892.3 |
| 52.5° | 112.5  | 134.2  | 121.3  | 209.9  | 519.5  | 1757.5 | 3710.8 | 4124.9 |
| 55°   | 110.9  | 129.5  | 114.4  | 180.3  | 493.4  | 1931.5 | 3991.0 | 4399.8 |
| 57.5° | 109.4  | 114.7  | 110.6  | 154.6  | 453.2  | 2054.1 | 4184.0 | 4614.4 |
| 60°   | 122.5  | 100.2  | 107.5  | 142.0  | 399.4  | 2087.7 | 4176.4 | 4699.9 |
| 62.5° | 113.4  | 93.9   | 103.4  | 139.2  | 361.7  | 1993.4 | 3983.5 | 4653.7 |
| 65°   | 88.9   | 89.9   | 99.3   | 147.4  | 351.6  | 1743.6 | 3641.6 | 4440.4 |
| 67.5° | 81.4   | 85.8   | 95.2   | 157.7  | 352.6  | 1396.1 | 3130.6 | 3975.6 |
| 70°   | 76.7   | 81.4   | 90.5   | 163.1  | 355.1  | 1040.8 | 2475.2 | 3238.2 |
| 72.5° | 71.3   | 75.4   | 85.1   | 164.0  | 338.7  | 756.1  | 1907.7 | 2380.9 |
| 75°   | 65.1   | 68.8   | 77.6   | 143.0  | 280.6  | 524.5  | 1459.2 | 1628.9 |
| 77.5° | 57.8   | 60.7   | 68.2   | 110.3  | 208.4  | 335.6  | 1095.4 | 1190.0 |
| 80°   | 49.3   | 50.9   | 57.2   | 80.7   | 142.7  | 209.9  | 866.6  | 954.9  |
| 82.5° | 39.6   | 40.2   | 44.3   | 60.7   | 92.7   | 134.8  | 580.4  | 662.4  |
| 85°   | 27.9   | 27.9   | 30.5   | 44.0   | 63.1   | 85.5   | 315.2  | 349.4  |
| 87.5° | 13.2   | 13.5   | 13.5   | 24.2   | 33.0   | 43.4   | 72.6   | 44.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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