

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: P200500

Luminaire Tested: **GAP-AF-02-LED-U-T2R-7060-600**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P200500  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAP-AF-02-LED-U-T2R-7060-600  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(2) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8527 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 66  
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

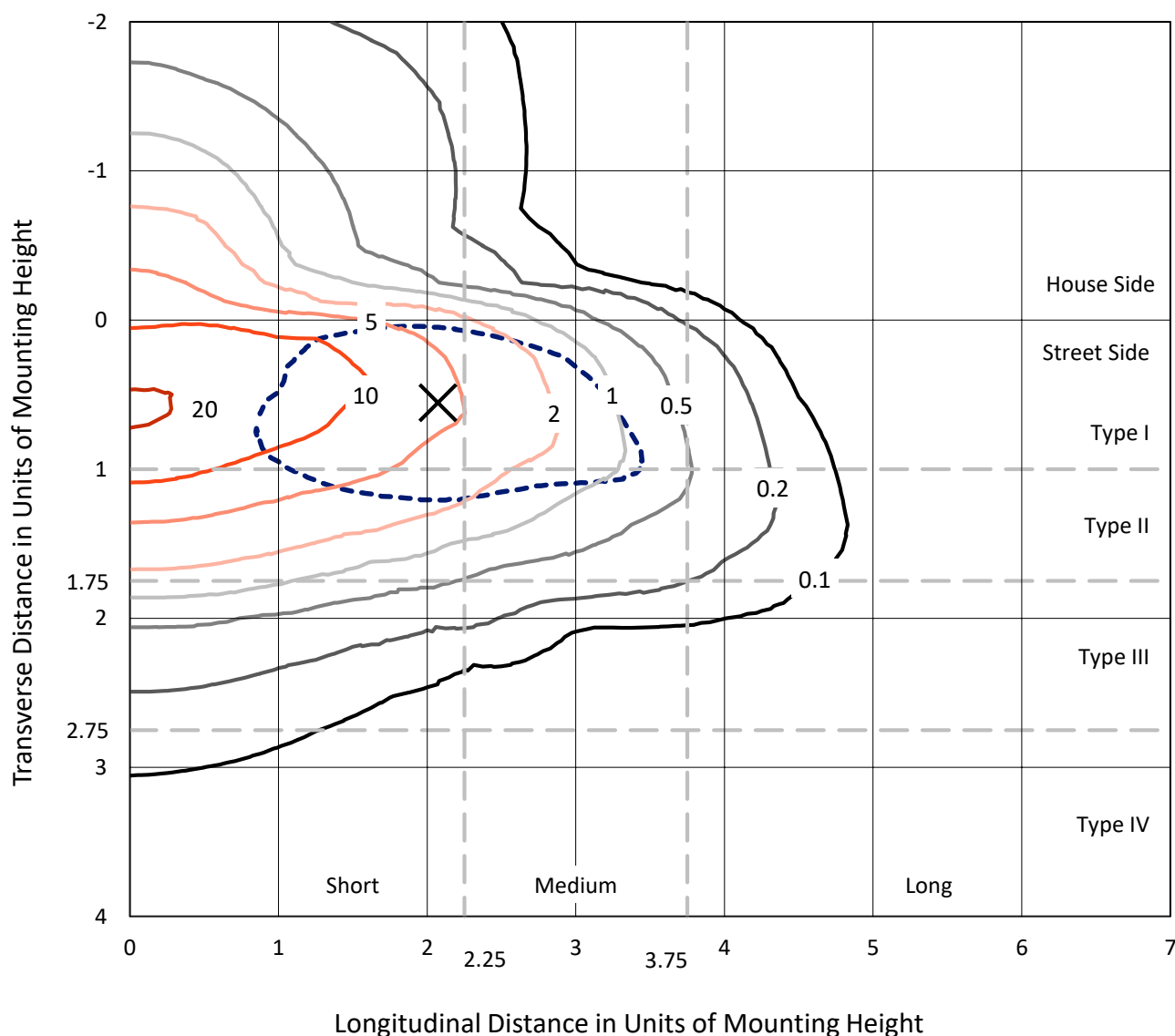


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

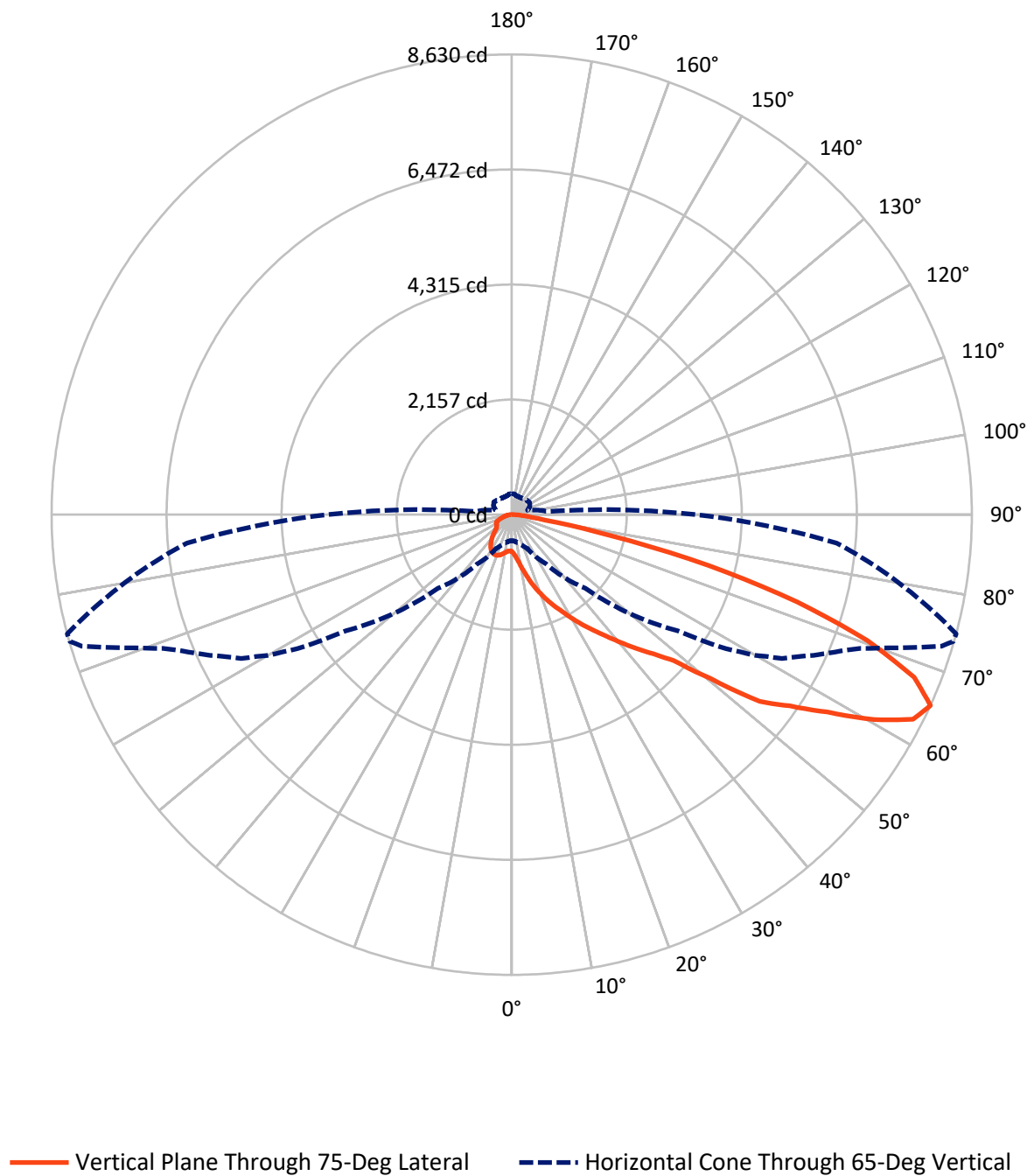


Based on 10 foot mounting height. Maximum calculated value = 21.5 fc  
 Type II - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1314.7   | 0.0    | 1314.7 |
|                    | % Fixture | 15.4     | 0.0    | 15.4   |
| <b>Street Side</b> | Lumens    | 7212.3   | 0.0    | 7212.3 |
|                    | % Fixture | 84.6     | 0.0    | 84.6   |
| <b>Total</b>       | Lumens    | 8527.0   | 0.0    | 8527.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.7   | 1.0       |
| 10°-20°   | 334.7  | 3.9       |
| 20°-30°   | 686.6  | 8.1       |
| 30°-40°   | 1155.2 | 13.5      |
| 40°-50°   | 1596.2 | 18.7      |
| 50°-60°   | 1992.5 | 23.4      |
| 60°-70°   | 1793.1 | 21.0      |
| 70°-80°   | 751.6  | 8.8       |
| 80°-90°   | 131.3  | 1.5       |
| 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°    | 8527.0 | 100.0     |
| 0°-180°   | 8527.0 | 100.0     |

**Coefficient of Utilization**



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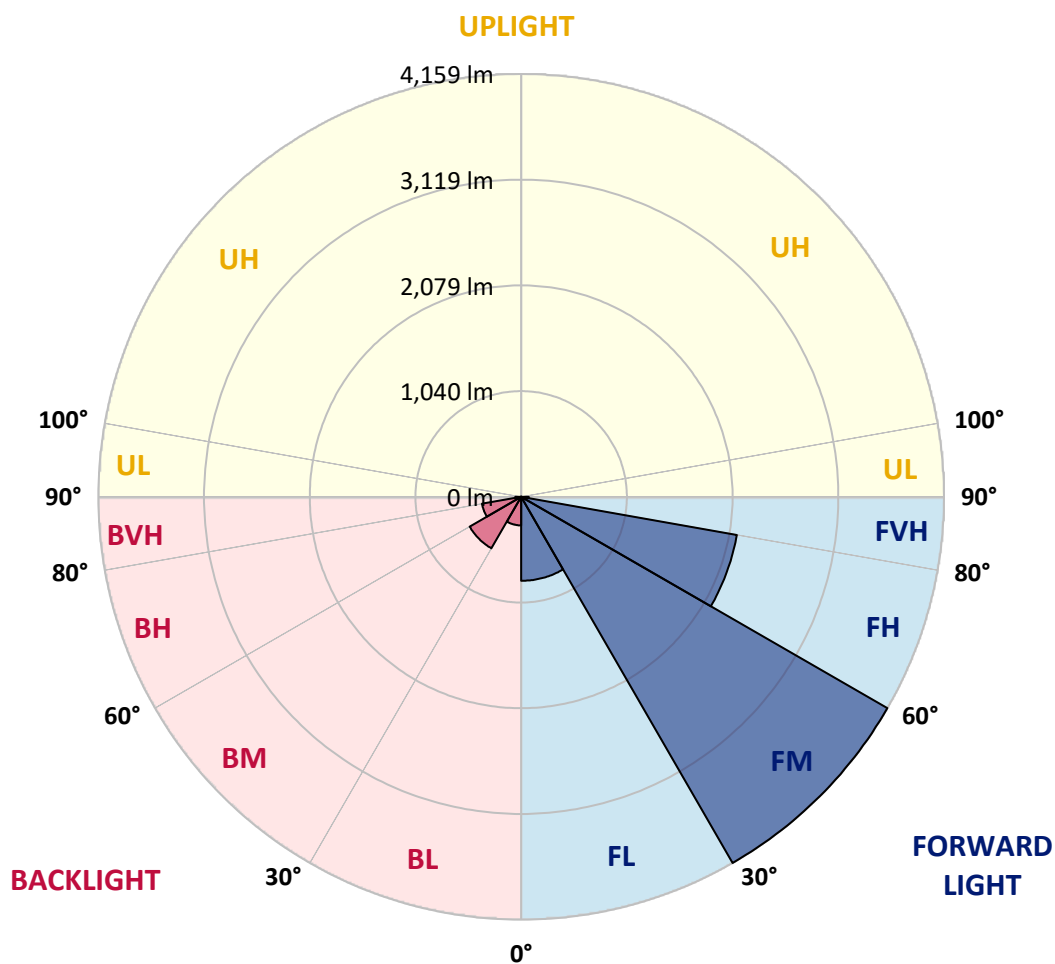
CATALOG NUMBER: GAP-AF-02-LED-U-T2R-7060-600

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 825.8  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 4158.8 | 48.8      |                         |      |         |
| FH   | (60°-80°)   | 2153.9 | 25.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 73.8   | 0.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 281.2  | 3.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 585.2  | 6.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 390.8  | 4.6       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 57.5   | 0.7       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  |
| 2.5°  | 879.8  | 870.2  | 872.6  | 856.4  | 836.7  | 810.8  | 782.2  | 781.8  | 782.2  | 779.4  | 768.9  |
| 5°    | 1220.1 | 1208.4 | 1203.9 | 1167.6 | 1114.3 | 1038.5 | 956.1  | 947.3  | 943.6  | 934.3  | 912.9  |
| 7.5°  | 1468.3 | 1461.8 | 1455.0 | 1427.5 | 1379.1 | 1294.3 | 1183.8 | 1164.8 | 1146.6 | 1142.2 | 1118.0 |
| 10°   | 1628.5 | 1626.9 | 1612.4 | 1605.1 | 1574.8 | 1501.4 | 1393.6 | 1375.5 | 1355.7 | 1348.8 | 1323.4 |
| 12.5° | 1755.3 | 1754.9 | 1748.0 | 1750.0 | 1723.8 | 1670.5 | 1577.7 | 1561.1 | 1546.6 | 1525.6 | 1507.4 |
| 15°   | 1842.8 | 1843.2 | 1853.3 | 1864.6 | 1860.6 | 1824.7 | 1737.5 | 1730.2 | 1717.7 | 1703.2 | 1681.8 |
| 17.5° | 1914.7 | 1916.7 | 1927.2 | 1947.8 | 1970.0 | 1967.1 | 1898.1 | 1892.1 | 1881.2 | 1861.4 | 1850.1 |
| 20°   | 2076.9 | 2084.6 | 2064.4 | 2064.4 | 2066.8 | 2077.7 | 2044.6 | 2039.8 | 2024.5 | 2014.0 | 2005.1 |
| 22.5° | 2351.0 | 2359.9 | 2314.2 | 2267.8 | 2222.2 | 2189.1 | 2156.0 | 2162.1 | 2151.6 | 2144.3 | 2139.1 |
| 25°   | 2706.9 | 2713.8 | 2640.0 | 2561.7 | 2468.8 | 2347.7 | 2265.8 | 2262.2 | 2256.5 | 2252.1 | 2249.7 |
| 27.5° | 3041.9 | 3044.8 | 2974.9 | 2860.3 | 2752.6 | 2578.6 | 2377.2 | 2372.8 | 2365.9 | 2357.4 | 2350.2 |
| 30°   | 3328.5 | 3327.7 | 3255.8 | 3146.5 | 3031.0 | 2838.5 | 2546.3 | 2532.6 | 2512.4 | 2489.4 | 2471.6 |
| 32.5° | 3576.7 | 3575.5 | 3496.8 | 3383.4 | 3262.3 | 3096.0 | 2778.0 | 2749.7 | 2718.2 | 2673.4 | 2646.4 |
| 35°   | 3772.0 | 3771.2 | 3697.0 | 3578.7 | 3439.9 | 3338.6 | 3043.6 | 3008.8 | 2968.9 | 2908.7 | 2867.2 |
| 37.5° | 3845.9 | 3845.9 | 3804.3 | 3723.6 | 3600.9 | 3531.5 | 3338.6 | 3296.6 | 3253.8 | 3185.6 | 3138.8 |
| 40°   | 3802.7 | 3803.5 | 3812.4 | 3797.5 | 3737.7 | 3684.5 | 3613.8 | 3588.8 | 3552.1 | 3490.7 | 3441.9 |
| 42.5° | 3657.8 | 3662.3 | 3721.2 | 3793.4 | 3823.3 | 3814.8 | 3858.0 | 3846.7 | 3820.9 | 3773.7 | 3734.9 |
| 45°   | 3474.2 | 3487.9 | 3552.5 | 3688.9 | 3847.1 | 3927.4 | 4062.6 | 4063.9 | 4059.0 | 4033.6 | 4003.7 |
| 47.5° | 3221.9 | 3241.3 | 3326.5 | 3510.9 | 3791.4 | 4036.8 | 4270.5 | 4281.4 | 4291.5 | 4274.9 | 4261.2 |
| 50°   | 2887.0 | 2910.0 | 3037.5 | 3282.1 | 3678.0 | 4150.2 | 4663.2 | 4712.4 | 4758.4 | 4752.8 | 4762.1 |
| 52.5° | 2528.2 | 2555.2 | 2711.4 | 2983.8 | 3483.1 | 4176.5 | 4914.2 | 4994.6 | 5074.9 | 5140.7 | 5210.5 |
| 55°   | 2204.5 | 2189.9 | 2346.1 | 2633.1 | 3162.6 | 4058.2 | 5139.9 | 5236.7 | 5326.3 | 5407.0 | 5490.2 |
| 57.5° | 1765.8 | 1789.6 | 1946.2 | 2229.9 | 2738.4 | 3724.4 | 5295.2 | 5436.9 | 5565.6 | 5699.2 | 5817.1 |
| 60°   | 1290.7 | 1314.5 | 1484.4 | 1772.6 | 2277.9 | 3218.3 | 5176.6 | 5391.3 | 5597.5 | 5802.2 | 5962.0 |
| 62.5° | 779.4  | 797.1  | 946.8  | 1221.3 | 1756.5 | 2618.2 | 4647.9 | 4929.6 | 5233.1 | 5477.7 | 5722.6 |
| 65°   | 485.1  | 495.2  | 550.5  | 701.5  | 1128.1 | 1954.6 | 3797.5 | 4104.6 | 4431.5 | 4741.9 | 4996.6 |
| 67.5° | 397.1  | 400.8  | 410.9  | 443.2  | 619.5  | 1274.6 | 2826.4 | 3098.4 | 3393.5 | 3693.8 | 3977.1 |
| 70°   | 357.2  | 354.8  | 354.8  | 356.8  | 397.1  | 685.3  | 1850.5 | 2027.7 | 2273.5 | 2534.6 | 2793.7 |
| 72.5° | 322.5  | 320.1  | 315.6  | 309.6  | 324.1  | 418.1  | 956.5  | 1090.1 | 1267.3 | 1499.4 | 1747.6 |
| 75°   | 289.8  | 286.6  | 281.3  | 273.6  | 283.7  | 315.6  | 459.3  | 515.4  | 601.8  | 725.3  | 863.7  |
| 77.5° | 255.9  | 251.8  | 247.0  | 241.4  | 254.3  | 245.4  | 269.2  | 289.4  | 322.5  | 362.0  | 414.1  |
| 80°   | 217.5  | 213.9  | 212.3  | 209.5  | 224.8  | 186.9  | 190.1  | 202.6  | 222.0  | 243.4  | 267.6  |
| 82.5° | 170.3  | 170.3  | 176.8  | 178.0  | 194.9  | 134.4  | 142.1  | 153.0  | 163.1  | 174.4  | 185.7  |
| 85°   | 112.2  | 113.0  | 134.8  | 143.3  | 153.8  | 90.4   | 106.6  | 110.2  | 118.3  | 124.7  | 129.6  |
| 87.5° | 35.1   | 37.9   | 82.3   | 91.2   | 88.4   | 51.3   | 65.4   | 67.0   | 72.6   | 77.1   | 81.1   |
| 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):**

|       | 60°    | 61°    | 62°    | 63°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  |
| 2.5°  | 768.9  | 764.0  | 759.6  | 759.2  | 755.9  | 751.5  | 753.1  | 746.3  | 746.7  | 743.0  | 739.0  |
| 5°    | 904.1  | 900.8  | 884.7  | 880.3  | 868.1  | 860.5  | 859.3  | 843.1  | 841.1  | 831.8  | 821.7  |
| 7.5°  | 1098.6 | 1088.1 | 1065.5 | 1054.6 | 1034.0 | 1018.7 | 1011.4 | 990.0  | 979.5  | 955.3  | 944.4  |
| 10°   | 1302.4 | 1289.1 | 1261.3 | 1245.9 | 1226.1 | 1201.5 | 1188.2 | 1157.1 | 1145.0 | 1122.8 | 1096.2 |
| 12.5° | 1491.3 | 1478.0 | 1449.3 | 1437.6 | 1411.4 | 1385.2 | 1370.6 | 1335.5 | 1319.8 | 1284.3 | 1263.3 |
| 15°   | 1666.1 | 1652.7 | 1627.7 | 1615.6 | 1589.4 | 1568.0 | 1548.6 | 1513.9 | 1495.3 | 1462.2 | 1434.8 |
| 17.5° | 1835.6 | 1821.4 | 1799.7 | 1788.8 | 1763.3 | 1741.5 | 1720.5 | 1687.9 | 1668.9 | 1635.8 | 1611.2 |
| 20°   | 1993.0 | 1982.5 | 1966.7 | 1952.2 | 1926.8 | 1907.0 | 1882.0 | 1853.7 | 1826.3 | 1802.1 | 1778.7 |
| 22.5° | 2130.2 | 2126.2 | 2109.2 | 2102.8 | 2081.0 | 2064.0 | 2042.2 | 2014.4 | 1994.6 | 1963.9 | 1942.1 |
| 25°   | 2248.5 | 2247.2 | 2239.2 | 2237.2 | 2221.8 | 2205.7 | 2200.8 | 2177.8 | 2159.7 | 2132.6 | 2110.0 |
| 27.5° | 2350.2 | 2351.4 | 2349.4 | 2355.0 | 2351.0 | 2343.7 | 2344.1 | 2336.4 | 2325.9 | 2303.3 | 2283.6 |
| 30°   | 2463.2 | 2456.7 | 2460.3 | 2468.4 | 2470.8 | 2471.6 | 2485.0 | 2489.4 | 2488.6 | 2473.7 | 2464.0 |
| 32.5° | 2623.0 | 2607.7 | 2593.5 | 2592.3 | 2600.4 | 2603.6 | 2626.2 | 2637.9 | 2648.0 | 2651.7 | 2653.3 |
| 35°   | 2826.8 | 2796.1 | 2766.7 | 2750.9 | 2737.2 | 2740.9 | 2757.0 | 2776.0 | 2798.2 | 2813.5 | 2831.7 |
| 37.5° | 3083.5 | 3046.0 | 2993.9 | 2956.8 | 2947.5 | 2927.3 | 2937.8 | 2952.7 | 2974.5 | 2998.3 | 3029.8 |
| 40°   | 3394.7 | 3337.8 | 3279.3 | 3230.0 | 3203.4 | 3166.2 | 3165.8 | 3163.0 | 3176.3 | 3198.5 | 3242.9 |
| 42.5° | 3694.2 | 3643.7 | 3581.5 | 3529.9 | 3495.2 | 3445.5 | 3435.4 | 3409.2 | 3415.3 | 3434.6 | 3477.8 |
| 45°   | 3974.7 | 3933.1 | 3895.1 | 3835.4 | 3806.0 | 3752.3 | 3735.3 | 3704.2 | 3686.9 | 3695.8 | 3739.0 |
| 47.5° | 4246.3 | 4219.6 | 4180.1 | 4141.3 | 4118.7 | 4070.7 | 4048.9 | 4026.7 | 4004.5 | 4003.7 | 4048.9 |
| 50°   | 4775.8 | 4761.7 | 4714.9 | 4674.5 | 4685.4 | 4626.5 | 4630.1 | 4570.4 | 4597.4 | 4600.6 | 4695.5 |
| 52.5° | 5273.4 | 5322.7 | 5357.4 | 5399.8 | 5427.2 | 5432.5 | 5450.6 | 5477.7 | 5510.4 | 5574.9 | 5662.9 |
| 55°   | 5558.4 | 5620.1 | 5656.1 | 5688.3 | 5741.6 | 5752.9 | 5783.2 | 5819.1 | 5847.8 | 5920.4 | 5995.1 |
| 57.5° | 5897.0 | 6011.6 | 6067.3 | 6118.6 | 6190.4 | 6217.9 | 6268.3 | 6307.5 | 6344.6 | 6430.6 | 6521.0 |
| 60°   | 6105.7 | 6245.3 | 6358.7 | 6439.8 | 6529.9 | 6594.4 | 6670.7 | 6732.1 | 6819.2 | 6922.2 | 7057.0 |
| 62.5° | 5939.8 | 6144.8 | 6295.4 | 6434.6 | 6556.9 | 6680.4 | 6789.8 | 6904.4 | 7036.8 | 7192.6 | 7401.6 |
| 65°   | 5279.1 | 5487.8 | 5745.7 | 5890.1 | 6052.0 | 6242.5 | 6408.8 | 6594.4 | 6774.8 | 7001.7 | 7310.8 |
| 67.5° | 4249.9 | 4492.5 | 4782.3 | 4928.0 | 5114.0 | 5326.7 | 5513.2 | 5740.0 | 5950.7 | 6225.5 | 6607.7 |
| 70°   | 3063.3 | 3376.9 | 3620.7 | 3772.9 | 3990.0 | 4209.1 | 4389.2 | 4653.1 | 4827.5 | 5109.2 | 5504.3 |
| 72.5° | 1939.7 | 2187.1 | 2485.8 | 2677.5 | 2870.4 | 3092.4 | 3276.4 | 3504.1 | 3666.7 | 3923.4 | 4281.4 |
| 75°   | 1042.9 | 1225.3 | 1487.7 | 1669.7 | 1876.3 | 2066.0 | 2281.6 | 2434.1 | 2554.4 | 2757.4 | 3048.0 |
| 77.5° | 488.8  | 599.8  | 732.5  | 872.6  | 1012.6 | 1158.7 | 1300.8 | 1424.3 | 1476.0 | 1592.2 | 1763.7 |
| 80°   | 296.6  | 332.6  | 371.3  | 414.5  | 473.0  | 520.2  | 582.8  | 628.0  | 631.2  | 668.0  | 720.4  |
| 82.5° | 198.2  | 211.5  | 223.2  | 234.1  | 249.0  | 260.7  | 274.0  | 289.8  | 296.2  | 304.7  | 321.7  |
| 85°   | 135.2  | 141.7  | 144.1  | 150.9  | 149.3  | 153.4  | 158.6  | 163.9  | 166.7  | 166.3  | 174.0  |
| 87.5° | 83.1   | 86.4   | 88.0   | 89.6   | 88.4   | 86.8   | 89.2   | 92.0   | 92.8   | 90.4   | 91.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 71°    | 72°    | 73°    | 74°    | 75°    | 85°    | 90°    | 95°    | 105°  | 115°  | 125°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0  | 693.0 | 693.0 | 693.0 |
| 2.5°  | 739.8  | 736.2  | 732.5  | 730.1  | 729.3  | 707.9  | 698.6  | 692.6  | 679.7 | 669.2 | 660.7 |
| 5°    | 816.1  | 808.4  | 802.4  | 795.1  | 791.1  | 737.0  | 717.2  | 703.5  | 680.9 | 667.6 | 655.4 |
| 7.5°  | 938.8  | 917.4  | 904.9  | 890.7  | 878.6  | 781.0  | 748.3  | 726.9  | 695.4 | 677.6 | 663.9 |
| 10°   | 1078.0 | 1055.8 | 1036.0 | 1014.2 | 995.3  | 839.5  | 791.9  | 758.8  | 717.2 | 694.2 | 676.0 |
| 12.5° | 1233.4 | 1211.6 | 1186.6 | 1158.7 | 1134.5 | 913.8  | 847.6  | 800.3  | 743.4 | 712.8 | 687.3 |
| 15°   | 1417.0 | 1378.7 | 1348.4 | 1316.1 | 1287.9 | 1002.5 | 912.5  | 847.2  | 771.3 | 729.7 | 695.8 |
| 17.5° | 1587.8 | 1547.4 | 1506.2 | 1478.0 | 1445.3 | 1102.2 | 977.9  | 894.8  | 794.3 | 740.6 | 697.4 |
| 20°   | 1754.5 | 1710.5 | 1674.9 | 1637.0 | 1602.7 | 1205.6 | 1047.7 | 936.8  | 809.2 | 741.0 | 687.3 |
| 22.5° | 1901.4 | 1873.9 | 1834.4 | 1793.2 | 1758.5 | 1308.9 | 1113.1 | 972.3  | 814.9 | 731.7 | 669.6 |
| 25°   | 2068.5 | 2039.4 | 1991.0 | 1956.3 | 1917.5 | 1414.2 | 1177.3 | 999.7  | 811.6 | 714.4 | 642.1 |
| 27.5° | 2246.8 | 2214.6 | 2164.9 | 2128.6 | 2081.8 | 1523.6 | 1236.2 | 1019.5 | 799.5 | 686.1 | 605.4 |
| 30°   | 2432.9 | 2403.4 | 2354.6 | 2317.9 | 2270.7 | 1639.4 | 1302.0 | 1032.8 | 775.3 | 647.0 | 562.6 |
| 32.5° | 2632.7 | 2608.1 | 2559.6 | 2521.3 | 2470.8 | 1764.9 | 1363.4 | 1036.8 | 738.6 | 600.6 | 517.4 |
| 35°   | 2822.4 | 2805.4 | 2764.7 | 2728.7 | 2676.3 | 1883.6 | 1428.3 | 1034.8 | 695.0 | 549.7 | 476.2 |
| 37.5° | 3035.9 | 3025.8 | 3005.6 | 2960.0 | 2895.8 | 2044.6 | 1506.2 | 1026.4 | 641.7 | 499.3 | 444.8 |
| 40°   | 3263.5 | 3264.3 | 3242.5 | 3211.4 | 3151.7 | 2240.0 | 1599.1 | 1009.8 | 583.6 | 454.9 | 416.1 |
| 42.5° | 3504.5 | 3517.0 | 3506.5 | 3484.3 | 3427.0 | 2436.9 | 1710.1 | 989.6  | 527.1 | 411.7 | 387.9 |
| 45°   | 3780.5 | 3795.9 | 3812.0 | 3779.3 | 3723.6 | 2696.9 | 1856.2 | 963.4  | 466.2 | 375.8 | 368.5 |
| 47.5° | 4099.0 | 4123.2 | 4137.7 | 4138.1 | 4082.4 | 3018.9 | 2093.5 | 947.7  | 412.1 | 351.5 | 359.2 |
| 50°   | 4771.0 | 4778.6 | 4812.9 | 4872.7 | 4829.9 | 3764.4 | 2508.0 | 938.0  | 375.3 | 336.6 | 352.3 |
| 52.5° | 5739.2 | 5823.5 | 5882.9 | 5878.8 | 5820.7 | 4237.8 | 2736.4 | 887.9  | 353.6 | 331.0 | 349.1 |
| 55°   | 6133.5 | 6238.9 | 6348.6 | 6377.7 | 6332.5 | 4641.8 | 2952.3 | 837.9  | 343.1 | 335.0 | 350.3 |
| 57.5° | 6659.0 | 6836.6 | 6987.1 | 7050.5 | 6985.1 | 5158.8 | 3236.5 | 811.6  | 339.8 | 345.9 | 358.0 |
| 60°   | 7272.9 | 7492.4 | 7690.2 | 7804.0 | 7804.0 | 5752.9 | 3531.1 | 800.7  | 335.4 | 362.0 | 370.9 |
| 62.5° | 7667.2 | 7989.7 | 8288.3 | 8455.0 | 8450.2 | 6166.6 | 3661.9 | 763.6  | 325.3 | 373.3 | 388.7 |
| 65°   | 7668.8 | 8052.2 | 8432.8 | 8620.1 | 8629.8 | 6115.8 | 3445.9 | 674.4  | 306.7 | 374.9 | 406.4 |
| 67.5° | 7029.5 | 7438.4 | 7881.9 | 8091.4 | 8139.8 | 5629.8 | 2983.0 | 554.5  | 276.5 | 358.8 | 412.9 |
| 70°   | 5937.0 | 6336.1 | 6789.0 | 6994.8 | 7080.8 | 4799.2 | 2402.6 | 427.4  | 237.7 | 323.3 | 399.6 |
| 72.5° | 4677.3 | 5068.8 | 5384.0 | 5534.6 | 5601.6 | 3668.3 | 1749.6 | 322.9  | 194.9 | 272.4 | 363.6 |
| 75°   | 3311.5 | 3605.4 | 3772.9 | 3806.4 | 3816.8 | 2211.3 | 1063.1 | 240.1  | 160.6 | 211.9 | 307.1 |
| 77.5° | 1869.1 | 1995.0 | 1981.3 | 1996.2 | 1871.9 | 853.6  | 462.9  | 171.9  | 132.4 | 161.0 | 238.1 |
| 80°   | 729.7  | 752.3  | 706.7  | 692.6  | 635.3  | 317.6  | 204.2  | 119.9  | 105.7 | 121.9 | 166.7 |
| 82.5° | 321.7  | 332.2  | 322.5  | 324.9  | 310.8  | 163.9  | 122.3  | 86.8   | 80.7  | 89.2  | 110.6 |
| 85°   | 177.2  | 180.4  | 179.6  | 184.8  | 177.2  | 65.4   | 58.1   | 53.3   | 56.5  | 60.5  | 71.0  |
| 87.5° | 86.4   | 87.2   | 84.4   | 88.8   | 86.0   | 33.1   | 28.7   | 30.3   | 33.1  | 33.9  | 33.9  |
| 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):**

|       | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 693.0 | 693.0 | 693.0 | 693.0 | 693.0 | 693.0 |
| 2.5°  | 654.6 | 651.4 | 651.8 | 651.0 | 649.4 | 649.4 |
| 5°    | 649.0 | 645.8 | 645.8 | 645.0 | 642.9 | 643.3 |
| 7.5°  | 654.6 | 649.4 | 647.4 | 644.5 | 641.7 | 641.7 |
| 10°   | 661.1 | 651.8 | 646.2 | 641.3 | 637.7 | 637.7 |
| 12.5° | 665.9 | 651.4 | 642.1 | 635.7 | 632.0 | 632.0 |
| 15°   | 667.6 | 648.6 | 635.7 | 628.0 | 624.8 | 624.4 |
| 17.5° | 662.3 | 637.7 | 621.9 | 613.1 | 609.0 | 607.8 |
| 20°   | 646.2 | 617.9 | 598.9 | 588.9 | 583.2 | 581.2 |
| 22.5° | 621.9 | 589.7 | 567.5 | 557.0 | 549.7 | 548.5 |
| 25°   | 588.0 | 553.3 | 531.5 | 521.5 | 517.4 | 516.2 |
| 27.5° | 548.5 | 516.2 | 497.6 | 491.2 | 487.5 | 487.1 |
| 30°   | 511.0 | 483.5 | 469.8 | 464.9 | 460.5 | 459.7 |
| 32.5° | 475.8 | 458.5 | 453.2 | 446.4 | 435.9 | 434.7 |
| 35°   | 450.8 | 449.2 | 445.6 | 430.2 | 417.3 | 413.7 |
| 37.5° | 435.5 | 450.4 | 431.9 | 401.6 | 392.3 | 391.5 |
| 40°   | 426.6 | 437.9 | 406.0 | 395.5 | 396.3 | 395.5 |
| 42.5° | 406.4 | 418.1 | 406.8 | 402.0 | 405.2 | 406.0 |
| 45°   | 386.2 | 399.2 | 412.9 | 409.7 | 417.3 | 417.3 |
| 47.5° | 374.9 | 394.3 | 412.5 | 412.5 | 423.8 | 427.8 |
| 50°   | 362.0 | 390.3 | 406.0 | 411.7 | 420.6 | 417.3 |
| 52.5° | 361.2 | 383.4 | 396.7 | 406.8 | 410.9 | 407.2 |
| 55°   | 362.4 | 377.8 | 387.5 | 398.8 | 403.6 | 404.0 |
| 57.5° | 364.0 | 374.5 | 381.0 | 386.2 | 400.8 | 400.8 |
| 60°   | 368.1 | 371.7 | 375.3 | 378.2 | 397.1 | 397.5 |
| 62.5° | 374.5 | 368.9 | 368.1 | 370.9 | 395.1 | 393.5 |
| 65°   | 384.6 | 364.9 | 358.8 | 361.6 | 393.1 | 388.3 |
| 67.5° | 398.4 | 358.8 | 347.1 | 349.1 | 391.5 | 381.0 |
| 70°   | 410.9 | 349.1 | 332.6 | 330.5 | 376.2 | 357.6 |
| 72.5° | 412.1 | 337.8 | 312.4 | 306.3 | 326.9 | 309.2 |
| 75°   | 391.9 | 330.1 | 290.2 | 272.4 | 270.0 | 267.6 |
| 77.5° | 353.2 | 325.7 | 264.4 | 236.5 | 231.7 | 233.3 |
| 80°   | 295.4 | 309.2 | 233.3 | 200.2 | 226.4 | 223.6 |
| 82.5° | 220.8 | 272.8 | 198.2 | 177.2 | 176.8 | 156.2 |
| 85°   | 122.7 | 212.7 | 161.4 | 132.8 | 92.4  | 89.6  |
| 87.5° | 34.3  | 118.3 | 113.0 | 75.1  | 51.3  | 53.3  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)