

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: P301697

Luminaire Tested: **GAA-AF-03-LED-U-T2R-7060-600**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P301697  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P194759)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAA-AF-03-LED-U-T2R-7060-600  
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5700K CCT 600mA LIGHTSQUARE WITH 16 LEDS EACH AND Type II  
Roadway OPTICS  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12427.2 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 96  
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



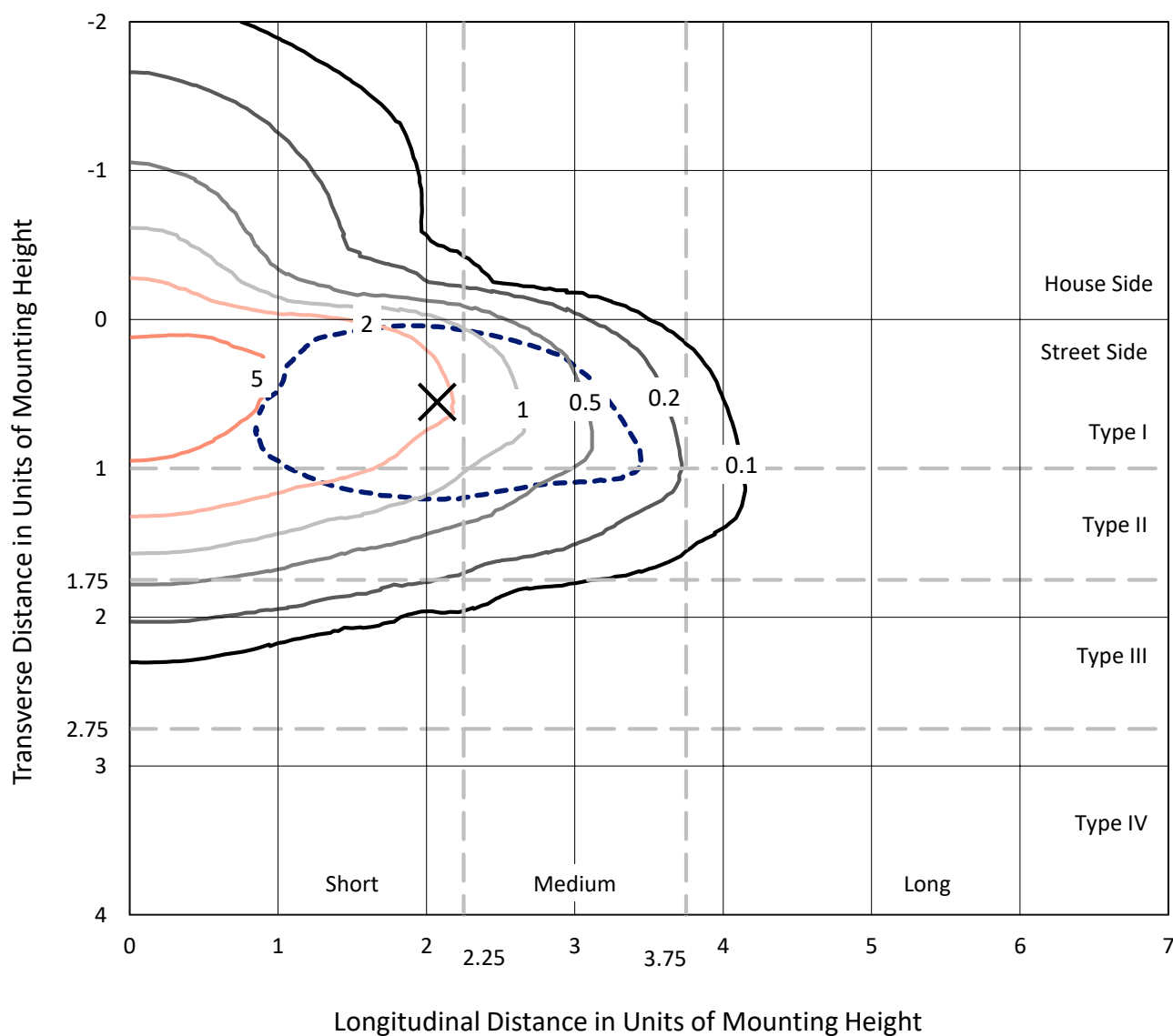
REPORT NUMBER: P301697

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

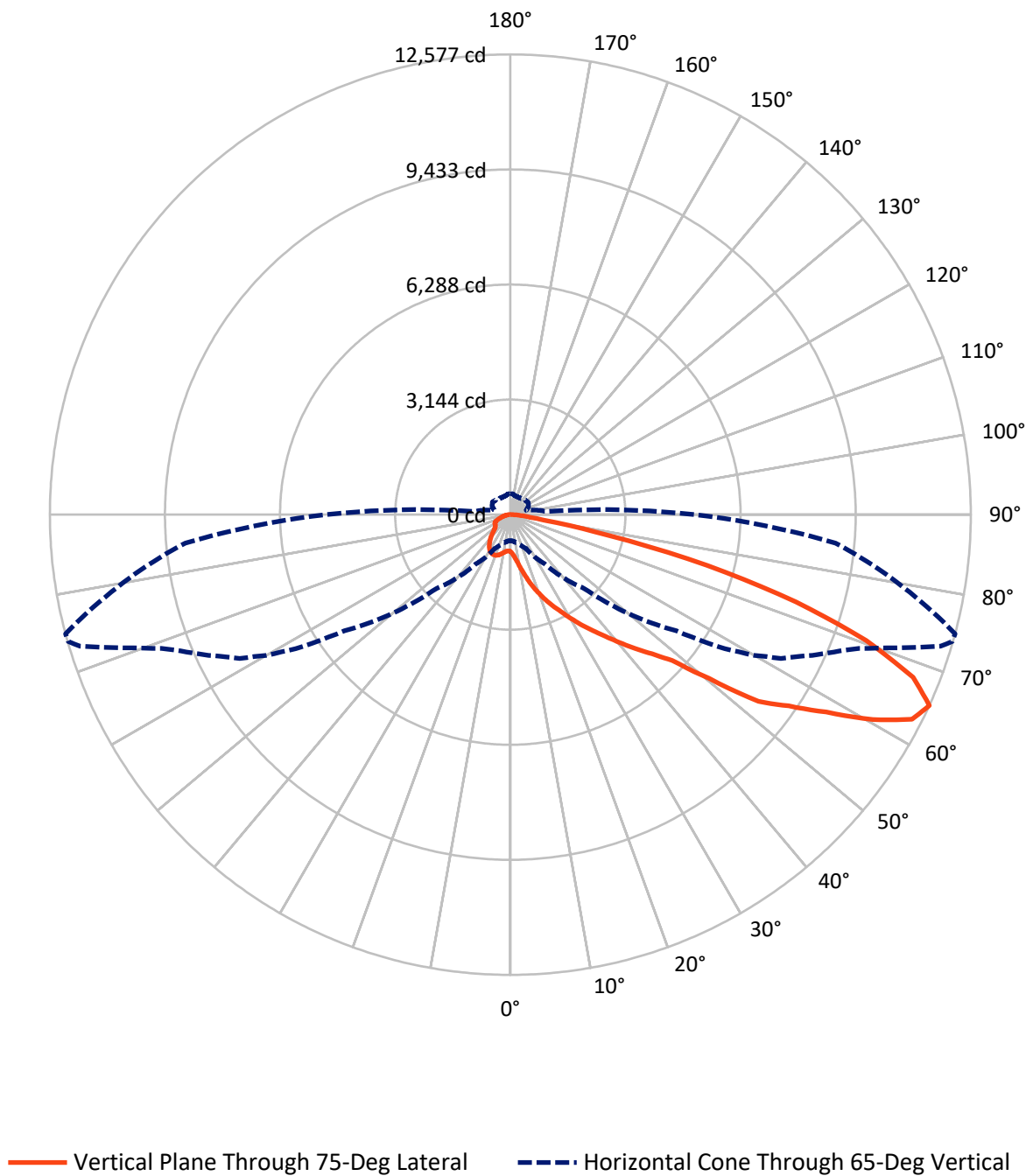


Based on 20 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1916.0   | 0.0    | 1916.0  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 10511.2  | 0.0    | 10511.2 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 12427.2  | 0.0    | 12427.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 124.8   | 1.0       |
| 10°-20°   | 487.8   | 3.9       |
| 20°-30°   | 1000.7  | 8.1       |
| 30°-40°   | 1683.6  | 13.5      |
| 40°-50°   | 2326.3  | 18.7      |
| 50°-60°   | 2903.9  | 23.4      |
| 60°-70°   | 2613.2  | 21.0      |
| 70°-80°   | 1095.4  | 8.8       |
| 80°-90°   | 191.4   | 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°    | 12427.2 | 100.0     |
| 0°-180°   | 12427.2 | 100.0     |

**Coefficient of Utilization**



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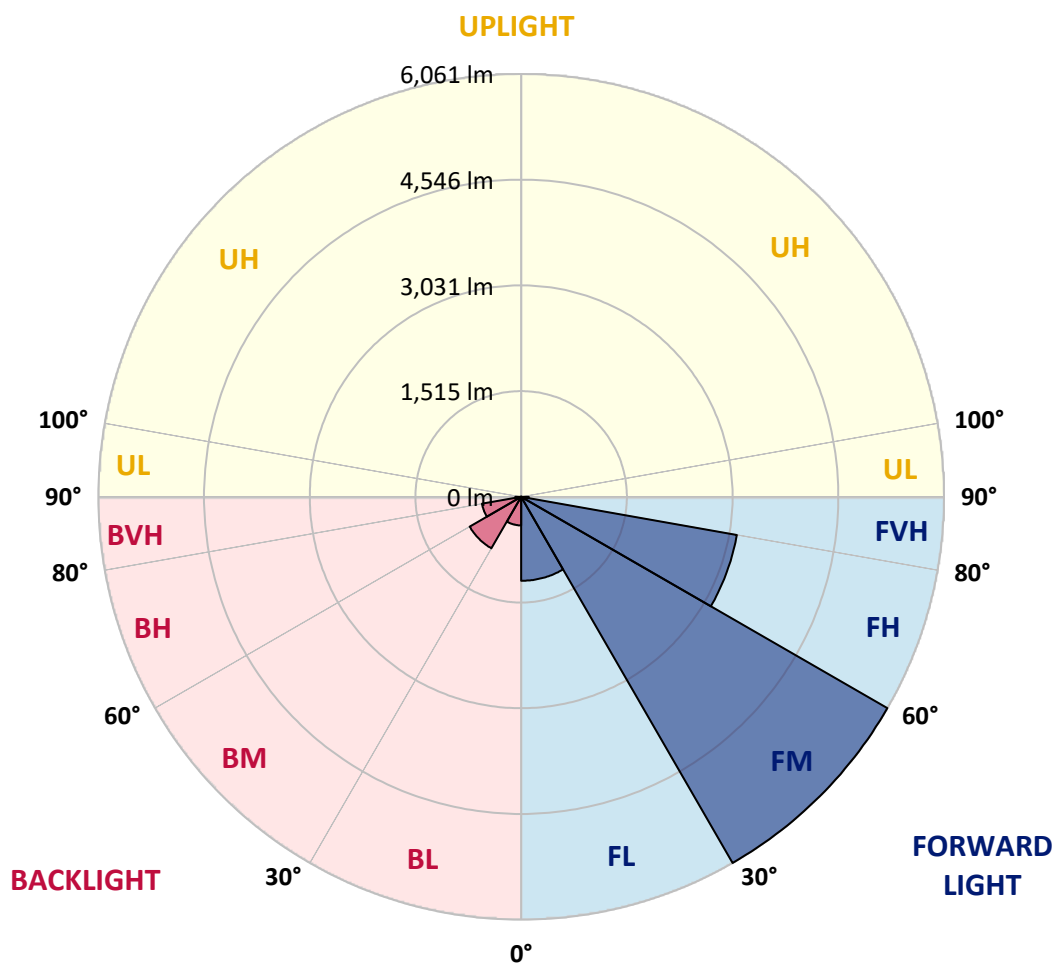
CATALOG NUMBER: GAA-AF-03-LED-U-T2R-7060-600

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1203.5 | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 6061.1 | 48.8      |                         |      |         |
| FH   | (60°-80°)   | 3139.1 | 25.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 107.6  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 409.7  | 3.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 852.8  | 6.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 569.6  | 4.6       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 83.8   | 0.7       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 |
| 2.5°  | 1282.3 | 1268.2 | 1271.7 | 1248.1 | 1219.3 | 1181.6 | 1139.9 | 1139.4 | 1139.9 | 1135.8 | 1120.6 |
| 5°    | 1778.1 | 1761.1 | 1754.7 | 1701.6 | 1624.0 | 1513.5 | 1393.5 | 1380.6 | 1375.2 | 1361.7 | 1330.5 |
| 7.5°  | 2140.0 | 2130.5 | 2120.4 | 2080.4 | 2010.0 | 1886.4 | 1725.2 | 1697.6 | 1671.1 | 1664.6 | 1629.4 |
| 10°   | 2373.4 | 2371.0 | 2349.9 | 2339.2 | 2295.2 | 2188.1 | 2031.1 | 2004.5 | 1975.8 | 1965.8 | 1928.6 |
| 12.5° | 2558.0 | 2557.5 | 2547.6 | 2550.5 | 2512.1 | 2434.7 | 2299.3 | 2275.2 | 2254.1 | 2223.4 | 2197.0 |
| 15°   | 2685.8 | 2686.3 | 2701.1 | 2717.5 | 2711.6 | 2659.2 | 2532.2 | 2521.6 | 2503.4 | 2482.3 | 2451.1 |
| 17.5° | 2790.5 | 2793.4 | 2808.6 | 2838.6 | 2871.1 | 2866.9 | 2766.4 | 2757.5 | 2741.6 | 2712.8 | 2696.4 |
| 20°   | 3026.9 | 3038.1 | 3008.7 | 3008.7 | 3012.2 | 3028.1 | 2979.8 | 2972.8 | 2950.5 | 2935.1 | 2922.2 |
| 22.5° | 3426.3 | 3439.2 | 3372.7 | 3305.2 | 3238.7 | 3190.4 | 3142.2 | 3150.9 | 3135.8 | 3125.1 | 3117.4 |
| 25°   | 3945.1 | 3955.2 | 3847.5 | 3733.4 | 3598.0 | 3421.6 | 3302.2 | 3296.8 | 3288.6 | 3282.2 | 3278.7 |
| 27.5° | 4433.3 | 4437.5 | 4335.7 | 4168.6 | 4011.5 | 3758.0 | 3464.5 | 3458.1 | 3448.1 | 3435.7 | 3425.1 |
| 30°   | 4851.0 | 4849.8 | 4745.1 | 4585.6 | 4417.4 | 4136.8 | 3711.1 | 3691.0 | 3661.5 | 3628.0 | 3602.2 |
| 32.5° | 5212.7 | 5211.0 | 5096.2 | 4930.9 | 4754.5 | 4512.1 | 4048.7 | 4007.5 | 3961.6 | 3896.2 | 3856.9 |
| 35°   | 5497.3 | 5496.3 | 5387.9 | 5215.7 | 5013.3 | 4865.7 | 4435.7 | 4385.1 | 4326.8 | 4239.2 | 4178.7 |
| 37.5° | 5605.0 | 5605.0 | 5544.4 | 5426.8 | 5248.0 | 5146.8 | 4865.7 | 4804.4 | 4742.1 | 4642.7 | 4574.4 |
| 40°   | 5542.0 | 5543.2 | 5556.1 | 5534.5 | 5447.4 | 5369.8 | 5266.8 | 5230.4 | 5176.8 | 5087.4 | 5016.3 |
| 42.5° | 5330.9 | 5337.3 | 5423.3 | 5528.6 | 5572.0 | 5559.8 | 5622.6 | 5606.2 | 5568.5 | 5499.8 | 5443.2 |
| 45°   | 5063.2 | 5083.3 | 5177.3 | 5376.2 | 5606.7 | 5723.8 | 5920.8 | 5922.6 | 5915.6 | 5878.6 | 5835.0 |
| 47.5° | 4695.7 | 4723.8 | 4848.0 | 5116.8 | 5525.6 | 5883.3 | 6223.7 | 6239.6 | 6254.4 | 6230.4 | 6210.3 |
| 50°   | 4207.5 | 4241.0 | 4426.8 | 4783.3 | 5360.3 | 6048.5 | 6796.1 | 6867.9 | 6934.9 | 6926.7 | 6940.2 |
| 52.5° | 3684.5 | 3724.0 | 3951.5 | 4348.7 | 5076.3 | 6086.8 | 7162.0 | 7279.0 | 7396.1 | 7491.9 | 7593.7 |
| 55°   | 3212.7 | 3191.6 | 3419.3 | 3837.4 | 4609.2 | 5914.4 | 7490.9 | 7632.0 | 7762.6 | 7880.2 | 8001.4 |
| 57.5° | 2573.4 | 2608.1 | 2836.3 | 3249.9 | 3990.9 | 5427.9 | 7717.2 | 7923.8 | 8111.4 | 8306.1 | 8477.8 |
| 60°   | 1881.0 | 1915.7 | 2163.3 | 2583.3 | 3319.9 | 4690.3 | 7544.3 | 7857.3 | 8157.8 | 8456.0 | 8688.9 |
| 62.5° | 1135.8 | 1161.8 | 1379.9 | 1780.0 | 2559.9 | 3815.8 | 6773.7 | 7184.3 | 7626.6 | 7983.1 | 8340.1 |
| 65°   | 707.0  | 721.7  | 802.3  | 1022.3 | 1644.0 | 2848.7 | 5534.5 | 5982.1 | 6458.4 | 6910.9 | 7282.0 |
| 67.5° | 578.8  | 584.0  | 598.9  | 645.8  | 902.8  | 1857.6 | 4119.2 | 4515.6 | 4945.6 | 5383.2 | 5796.2 |
| 70°   | 520.5  | 517.0  | 517.0  | 520.0  | 578.8  | 998.8  | 2696.9 | 2955.2 | 3313.4 | 3694.0 | 4071.6 |
| 72.5° | 469.9  | 466.4  | 460.0  | 451.2  | 472.3  | 609.3  | 1394.0 | 1588.7 | 1847.0 | 2185.1 | 2546.9 |
| 75°   | 422.3  | 417.6  | 410.1  | 398.9  | 413.5  | 460.0  | 669.3  | 751.2  | 877.0  | 1057.1 | 1258.8 |
| 77.5° | 372.9  | 367.0  | 360.0  | 351.8  | 370.6  | 357.7  | 392.3  | 421.7  | 469.9  | 527.7  | 603.6  |
| 80°   | 317.0  | 311.8  | 309.4  | 305.4  | 327.7  | 272.4  | 277.1  | 295.2  | 323.5  | 354.7  | 390.0  |
| 82.5° | 248.3  | 248.3  | 257.5  | 259.5  | 284.1  | 196.0  | 207.1  | 223.0  | 237.7  | 254.1  | 270.6  |
| 85°   | 163.5  | 164.7  | 196.5  | 208.9  | 224.0  | 131.7  | 155.3  | 160.5  | 172.4  | 181.8  | 188.8  |
| 87.5° | 51.1   | 55.3   | 120.0  | 133.0  | 128.8  | 74.7   | 95.3   | 97.7   | 105.9  | 112.4  | 118.3  |
| 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°    | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0  | 1010.0  | 1010.0  | 1010.0  |
| 2.5°  | 1120.6 | 1113.4 | 1107.0 | 1106.4 | 1101.7 | 1095.3 | 1097.5 | 1087.6  | 1088.1  | 1082.9  | 1077.0  |
| 5°    | 1317.6 | 1312.9 | 1289.3 | 1282.9 | 1265.2 | 1254.1 | 1252.3 | 1228.8  | 1225.8  | 1212.4  | 1197.5  |
| 7.5°  | 1601.1 | 1585.8 | 1552.8 | 1536.9 | 1506.9 | 1484.6 | 1474.1 | 1442.9  | 1427.5  | 1392.3  | 1376.4  |
| 10°   | 1898.1 | 1878.7 | 1838.1 | 1815.7 | 1787.0 | 1751.0 | 1731.6 | 1686.5  | 1668.7  | 1636.4  | 1597.6  |
| 12.5° | 2173.5 | 2154.1 | 2112.2 | 2095.1 | 2056.9 | 2018.7 | 1997.6 | 1946.4  | 1923.4  | 1871.6  | 1841.0  |
| 15°   | 2428.0 | 2408.7 | 2372.2 | 2354.6 | 2316.4 | 2285.1 | 2256.9 | 2206.4  | 2179.4  | 2131.1  | 2091.1  |
| 17.5° | 2675.1 | 2654.5 | 2622.8 | 2606.9 | 2569.9 | 2538.1 | 2507.6 | 2459.8  | 2432.2  | 2384.1  | 2348.1  |
| 20°   | 2904.6 | 2889.2 | 2866.4 | 2845.1 | 2808.1 | 2779.3 | 2742.8 | 2701.6  | 2661.7  | 2626.3  | 2592.2  |
| 22.5° | 3104.5 | 3098.6 | 3074.0 | 3064.6 | 3032.8 | 3008.0 | 2976.3 | 2935.8  | 2906.8  | 2862.2  | 2830.4  |
| 25°   | 3276.9 | 3275.2 | 3263.3 | 3260.4 | 3238.0 | 3214.5 | 3207.5 | 3174.0  | 3147.5  | 3108.0  | 3075.2  |
| 27.5° | 3425.1 | 3426.8 | 3424.0 | 3432.2 | 3426.3 | 3415.7 | 3416.3 | 3405.2  | 3389.8  | 3356.8  | 3328.1  |
| 30°   | 3589.8 | 3580.4 | 3585.8 | 3597.5 | 3601.0 | 3602.2 | 3621.5 | 3628.0  | 3627.0  | 3605.1  | 3591.0  |
| 32.5° | 3822.7 | 3800.4 | 3779.8 | 3778.1 | 3789.8 | 3794.5 | 3827.4 | 3844.5  | 3859.2  | 3864.4  | 3866.9  |
| 35°   | 4119.7 | 4075.1 | 4032.1 | 4009.3 | 3989.2 | 3994.4 | 4018.0 | 4045.7  | 4078.0  | 4100.4  | 4126.9  |
| 37.5° | 4493.8 | 4439.2 | 4363.3 | 4309.2 | 4295.6 | 4266.3 | 4281.5 | 4303.3  | 4335.0  | 4369.8  | 4415.7  |
| 40°   | 4947.3 | 4864.4 | 4779.1 | 4707.4 | 4668.7 | 4614.4 | 4613.9 | 4609.7  | 4629.2  | 4661.5  | 4726.2  |
| 42.5° | 5383.9 | 5310.3 | 5219.7 | 5144.5 | 5093.9 | 5021.5 | 5006.8 | 4968.6  | 4977.3  | 5005.6  | 5068.6  |
| 45°   | 5792.6 | 5732.0 | 5676.7 | 5589.8 | 5546.7 | 5468.5 | 5443.8 | 5398.6  | 5373.3  | 5386.2  | 5449.2  |
| 47.5° | 6188.5 | 6149.7 | 6092.0 | 6035.6 | 6002.6 | 5932.7 | 5900.9 | 5868.5  | 5836.2  | 5835.0  | 5900.9  |
| 50°   | 6960.3 | 6939.7 | 6871.4 | 6812.6 | 6828.5 | 6742.7 | 6747.9 | 6660.8  | 6700.3  | 6705.0  | 6843.2  |
| 52.5° | 7685.4 | 7757.3 | 7807.9 | 7869.5 | 7909.7 | 7917.3 | 7943.7 | 7983.1  | 8030.7  | 8124.8  | 8253.1  |
| 55°   | 8100.7 | 8190.8 | 8243.1 | 8290.2 | 8367.9 | 8384.3 | 8428.4 | 8480.8  | 8522.5  | 8628.4  | 8737.3  |
| 57.5° | 8594.4 | 8761.3 | 8842.5 | 8917.2 | 9021.9 | 9061.8 | 9135.4 | 9192.5  | 9246.6  | 9371.9  | 9503.6  |
| 60°   | 8898.3 | 9101.9 | 9267.2 | 9385.3 | 9516.5 | 9610.8 | 9721.9 | 9811.3  | 9938.3  | 10088.3 | 10284.8 |
| 62.5° | 8656.6 | 8955.4 | 9174.9 | 9377.8 | 9556.0 | 9736.0 | 9895.4 | 10062.5 | 10255.3 | 10482.3 | 10787.2 |
| 65°   | 7693.8 | 7997.8 | 8373.6 | 8584.2 | 8820.1 | 9097.8 | 9340.1 | 9610.8  | 9873.5  | 10204.2 | 10654.7 |
| 67.5° | 6193.9 | 6547.2 | 6969.7 | 7182.0 | 7453.2 | 7763.1 | 8034.9 | 8365.4  | 8672.5  | 9073.0  | 9630.1  |
| 70°   | 4464.5 | 4921.5 | 5276.8 | 5498.5 | 5815.1 | 6134.4 | 6396.8 | 6781.4  | 7035.5  | 7446.0  | 8022.0  |
| 72.5° | 2826.9 | 3187.4 | 3622.8 | 3902.1 | 4183.2 | 4506.9 | 4775.1 | 5106.8  | 5343.8  | 5717.9  | 6239.6  |
| 75°   | 1520.0 | 1785.7 | 2168.0 | 2433.4 | 2734.6 | 3011.0 | 3325.1 | 3547.4  | 3722.8  | 4018.7  | 4442.2  |
| 77.5° | 712.3  | 874.0  | 1067.5 | 1271.7 | 1475.8 | 1688.7 | 1895.8 | 2075.7  | 2151.1  | 2320.5  | 2570.4  |
| 80°   | 432.4  | 484.7  | 541.1  | 604.1  | 689.4  | 758.2  | 849.4  | 915.2   | 919.9   | 973.5   | 1049.9  |
| 82.5° | 288.8  | 308.2  | 325.3  | 341.1  | 362.9  | 380.0  | 399.4  | 422.3   | 431.7   | 444.1   | 468.9   |
| 85°   | 197.0  | 206.4  | 209.9  | 220.0  | 217.6  | 223.5  | 231.2  | 238.9   | 242.9   | 242.4   | 253.5   |
| 87.5° | 121.1  | 125.8  | 128.3  | 130.5  | 128.8  | 126.5  | 130.0  | 134.2   | 135.2   | 131.7   | 133.0   |
| 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°    | 1010.0  | 1010.0  | 1010.0  | 1010.0  | 1010.0  | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 |
| 2.5°  | 1078.2  | 1072.9  | 1067.5  | 1064.0  | 1062.8  | 1031.8 | 1018.2 | 1009.4 | 990.6  | 975.2  | 962.8  |
| 5°    | 1189.3  | 1178.2  | 1169.4  | 1158.8  | 1152.9  | 1074.0 | 1045.2 | 1025.3 | 992.3  | 973.0  | 955.2  |
| 7.5°  | 1368.2  | 1336.9  | 1318.8  | 1298.2  | 1280.6  | 1138.2 | 1090.6 | 1059.3 | 1013.4 | 987.6  | 967.5  |
| 10°   | 1571.1  | 1538.8  | 1509.9  | 1478.1  | 1450.5  | 1223.5 | 1154.1 | 1105.7 | 1045.2 | 1011.7 | 985.2  |
| 12.5° | 1797.6  | 1765.8  | 1729.4  | 1688.7  | 1653.5  | 1331.7 | 1235.2 | 1166.5 | 1083.4 | 1038.7 | 1001.7 |
| 15°   | 2065.3  | 2009.3  | 1965.1  | 1918.2  | 1877.0  | 1461.2 | 1330.0 | 1234.7 | 1124.1 | 1063.5 | 1014.1 |
| 17.5° | 2313.9  | 2255.1  | 2195.3  | 2154.1  | 2106.4  | 1606.4 | 1425.2 | 1304.0 | 1157.6 | 1079.4 | 1016.4 |
| 20°   | 2557.0  | 2492.8  | 2441.1  | 2385.8  | 2335.7  | 1756.9 | 1527.0 | 1365.2 | 1179.4 | 1079.9 | 1001.7 |
| 22.5° | 2771.1  | 2731.0  | 2673.4  | 2613.3  | 2562.7  | 1907.5 | 1622.2 | 1417.0 | 1187.6 | 1066.5 | 975.8  |
| 25°   | 3014.5  | 2972.3  | 2901.6  | 2851.0  | 2794.6  | 2061.1 | 1715.8 | 1457.0 | 1182.9 | 1041.2 | 935.8  |
| 27.5° | 3274.5  | 3227.6  | 3155.1  | 3102.3  | 3034.0  | 2220.4 | 1801.6 | 1485.8 | 1165.2 | 1000.0 | 882.2  |
| 30°   | 3545.6  | 3502.7  | 3431.5  | 3378.1  | 3309.2  | 2389.3 | 1897.6 | 1505.2 | 1130.0 | 942.9  | 819.9  |
| 32.5° | 3836.9  | 3800.9  | 3730.4  | 3674.6  | 3601.0  | 2572.2 | 1986.9 | 1511.1 | 1076.4 | 875.2  | 754.1  |
| 35°   | 4113.3  | 4088.7  | 4029.2  | 3976.8  | 3900.4  | 2745.1 | 2081.7 | 1508.1 | 1012.9 | 801.1  | 694.1  |
| 37.5° | 4424.6  | 4409.7  | 4380.4  | 4313.9  | 4220.4  | 2979.8 | 2195.3 | 1495.7 | 935.3  | 727.6  | 648.2  |
| 40°   | 4756.3  | 4757.5  | 4725.7  | 4680.4  | 4593.3  | 3264.5 | 2330.5 | 1471.7 | 850.5  | 662.9  | 606.4  |
| 42.5° | 5107.3  | 5125.7  | 5110.3  | 5078.0  | 4994.4  | 3551.6 | 2492.2 | 1442.3 | 768.3  | 599.9  | 565.3  |
| 45°   | 5509.7  | 5532.0  | 5555.6  | 5508.0  | 5426.8  | 3930.4 | 2705.1 | 1404.1 | 679.3  | 547.6  | 537.1  |
| 47.5° | 5973.9  | 6009.1  | 6030.2  | 6030.9  | 5949.8  | 4399.8 | 3051.0 | 1381.1 | 600.6  | 512.3  | 523.5  |
| 50°   | 6953.1  | 6964.4  | 7014.3  | 7101.4  | 7039.1  | 5486.2 | 3655.1 | 1367.0 | 547.0  | 490.5  | 513.5  |
| 52.5° | 8364.2  | 8487.2  | 8573.8  | 8567.8  | 8483.0  | 6176.1 | 3988.0 | 1294.0 | 515.3  | 482.3  | 508.8  |
| 55°   | 8939.0  | 9092.5  | 9252.5  | 9294.8  | 9229.0  | 6765.0 | 4302.8 | 1221.1 | 499.9  | 488.2  | 510.6  |
| 57.5° | 9704.8  | 9963.6  | 10183.1 | 10275.4 | 10180.1 | 7518.4 | 4716.8 | 1182.9 | 495.2  | 504.1  | 521.7  |
| 60°   | 10599.4 | 10919.4 | 11207.7 | 11373.5 | 11373.5 | 8384.3 | 5146.2 | 1167.0 | 488.7  | 527.7  | 540.6  |
| 62.5° | 11174.2 | 11644.1 | 12079.5 | 12322.3 | 12315.2 | 8987.1 | 5336.8 | 1112.9 | 474.1  | 544.1  | 566.4  |
| 65°   | 11176.5 | 11735.4 | 12289.9 | 12563.0 | 12576.9 | 8913.1 | 5022.2 | 982.9  | 447.0  | 546.5  | 592.4  |
| 67.5° | 10244.9 | 10840.6 | 11487.1 | 11792.4 | 11862.9 | 8204.9 | 4347.4 | 808.2  | 402.9  | 522.9  | 601.8  |
| 70°   | 8652.5  | 9234.2  | 9894.1  | 10194.3 | 10319.5 | 6994.3 | 3501.5 | 622.9  | 346.5  | 471.1  | 582.3  |
| 72.5° | 6816.6  | 7387.2  | 7846.7  | 8066.0  | 8163.7  | 5346.2 | 2549.8 | 470.6  | 284.1  | 397.0  | 529.9  |
| 75°   | 4826.2  | 5254.4  | 5498.5  | 5547.4  | 5562.6  | 3222.8 | 1549.3 | 350.0  | 234.2  | 308.8  | 447.6  |
| 77.5° | 2724.0  | 2907.5  | 2887.5  | 2909.3  | 2728.2  | 1244.1 | 674.8  | 250.6  | 193.0  | 234.7  | 347.1  |
| 80°   | 1063.5  | 1096.5  | 1030.0  | 1009.4  | 925.8   | 462.9  | 297.7  | 174.7  | 154.1  | 177.6  | 242.9  |
| 82.5° | 468.9   | 484.0   | 469.9   | 473.6   | 453.0   | 238.9  | 178.2  | 126.5  | 117.6  | 130.0  | 161.2  |
| 85°   | 258.2   | 263.0   | 261.7   | 269.4   | 258.2   | 95.3   | 84.6   | 77.6   | 82.4   | 88.3   | 103.5  |
| 87.5° | 125.8   | 127.0   | 123.0   | 129.5   | 125.3   | 48.2   | 41.7   | 44.1   | 48.2   | 49.4   | 49.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P301697

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**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 | 1010.0 |
| 2.5°  | 954.1  | 949.4  | 949.9  | 948.7  | 946.4  | 946.4  |
| 5°    | 945.9  | 941.2  | 941.2  | 940.0  | 937.0  | 937.5  |
| 7.5°  | 954.1  | 946.4  | 943.5  | 939.3  | 935.3  | 935.3  |
| 10°   | 963.5  | 949.9  | 941.7  | 934.7  | 929.3  | 929.3  |
| 12.5° | 970.5  | 949.4  | 935.8  | 926.4  | 921.1  | 921.1  |
| 15°   | 973.0  | 945.2  | 926.4  | 915.2  | 910.5  | 910.0  |
| 17.5° | 965.3  | 929.3  | 906.5  | 893.6  | 887.6  | 885.9  |
| 20°   | 941.7  | 900.5  | 873.0  | 858.1  | 849.9  | 847.0  |
| 22.5° | 906.5  | 859.4  | 827.1  | 811.7  | 801.1  | 799.3  |
| 25°   | 857.1  | 806.5  | 774.7  | 759.9  | 754.1  | 752.2  |
| 27.5° | 799.3  | 752.2  | 725.2  | 715.8  | 710.5  | 710.0  |
| 30°   | 744.7  | 704.6  | 684.7  | 677.5  | 671.1  | 670.0  |
| 32.5° | 693.4  | 668.1  | 660.6  | 650.5  | 635.3  | 633.6  |
| 35°   | 657.0  | 654.7  | 649.5  | 626.9  | 608.3  | 602.9  |
| 37.5° | 634.6  | 656.4  | 629.4  | 585.2  | 571.8  | 570.6  |
| 40°   | 621.7  | 638.3  | 591.7  | 576.5  | 577.6  | 576.5  |
| 42.5° | 592.4  | 609.3  | 592.9  | 585.9  | 590.5  | 591.7  |
| 45°   | 562.9  | 581.8  | 601.8  | 597.1  | 608.3  | 608.3  |
| 47.5° | 546.5  | 574.6  | 601.1  | 601.1  | 617.7  | 623.5  |
| 50°   | 527.7  | 568.8  | 591.7  | 599.9  | 613.0  | 608.3  |
| 52.5° | 526.4  | 558.7  | 578.3  | 592.9  | 598.9  | 593.4  |
| 55°   | 528.2  | 550.5  | 564.7  | 581.2  | 588.2  | 588.7  |
| 57.5° | 530.6  | 545.8  | 555.2  | 562.9  | 584.0  | 584.0  |
| 60°   | 536.4  | 541.8  | 547.0  | 551.2  | 578.8  | 579.3  |
| 62.5° | 545.8  | 537.6  | 536.4  | 540.6  | 575.8  | 573.6  |
| 65°   | 560.6  | 531.7  | 522.9  | 527.0  | 572.9  | 565.9  |
| 67.5° | 580.5  | 522.9  | 505.8  | 508.8  | 570.6  | 555.2  |
| 70°   | 598.9  | 508.8  | 484.7  | 481.8  | 548.2  | 521.2  |
| 72.5° | 600.6  | 492.4  | 455.2  | 446.5  | 476.5  | 450.5  |
| 75°   | 571.1  | 481.1  | 423.0  | 397.0  | 393.5  | 390.0  |
| 77.5° | 514.7  | 474.6  | 385.3  | 344.6  | 337.6  | 339.9  |
| 80°   | 430.6  | 450.5  | 339.9  | 291.7  | 330.0  | 325.9  |
| 82.5° | 321.8  | 397.7  | 288.8  | 258.2  | 257.5  | 227.7  |
| 85°   | 178.9  | 310.1  | 235.2  | 193.5  | 134.7  | 130.5  |
| 87.5° | 50.1   | 172.4  | 164.7  | 109.4  | 74.7   | 77.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)