

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: P301571

Luminaire Tested: **GAA-AF-02-LED-U-T2R-7060**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P301571  
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-02-LED-U-T2R-7060  
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5700K CCT 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND Type II Roadway OPTICS  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12642.2 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 113  
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



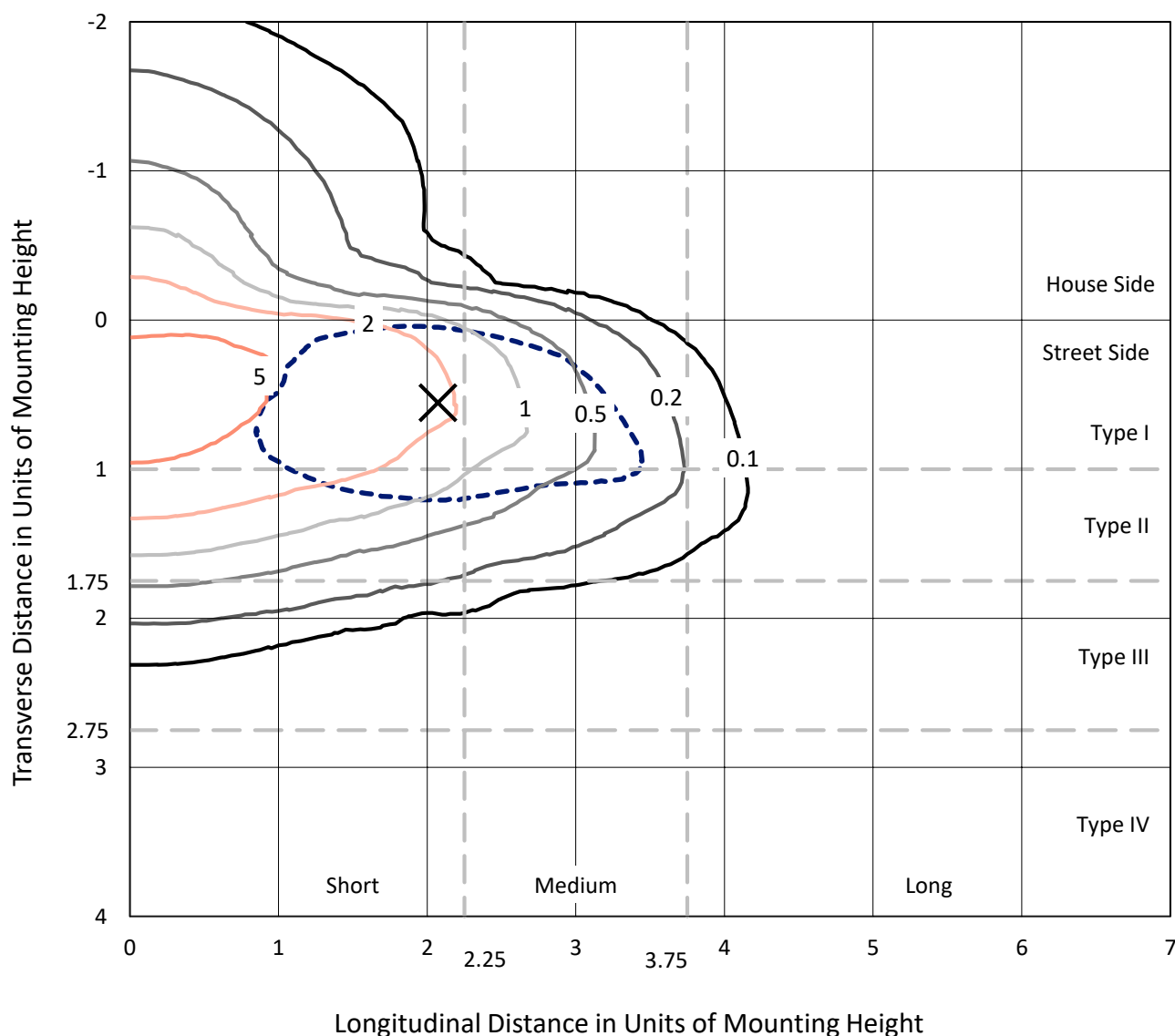
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CATALOG NUMBER: GAA-AF-02-LED-U-T2R-7060

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

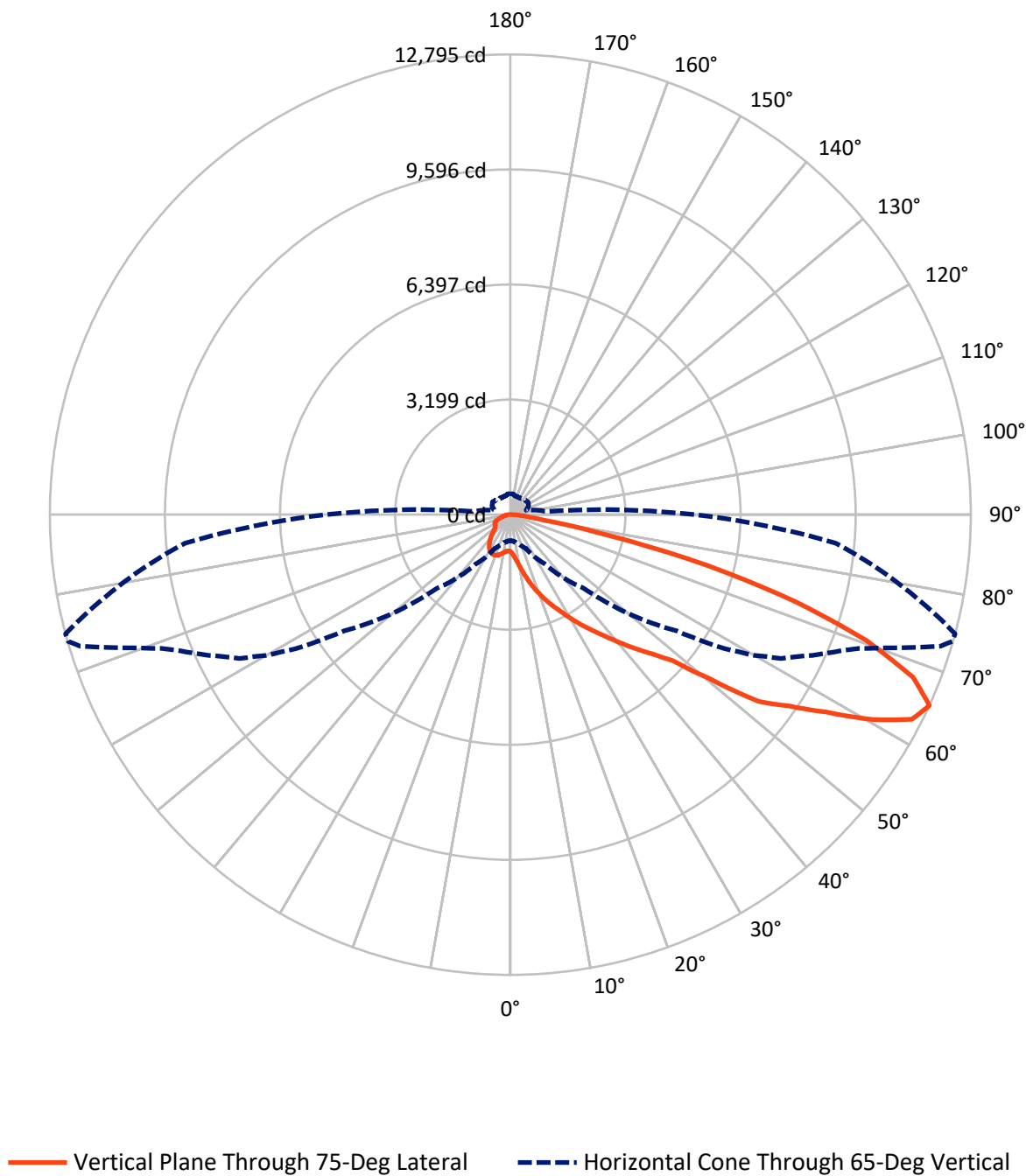


Based on 20 foot mounting height. Maximum calculated value = 8 fc  
Type II - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1949.1   | 0.0    | 1949.1  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 10693.1  | 0.0    | 10693.1 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 12642.2  | 0.0    | 12642.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 127.0   | 1.0       |
| 10°-20°   | 496.2   | 3.9       |
| 20°-30°   | 1018.0  | 8.1       |
| 30°-40°   | 1712.8  | 13.5      |
| 40°-50°   | 2366.6  | 18.7      |
| 50°-60°   | 2954.2  | 23.4      |
| 60°-70°   | 2658.4  | 21.0      |
| 70°-80°   | 1114.4  | 8.8       |
| 80°-90°   | 194.7   | 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°    | 12642.2 | 100.0     |
| 0°-180°   | 12642.2 | 100.0     |

**Coefficient of Utilization**



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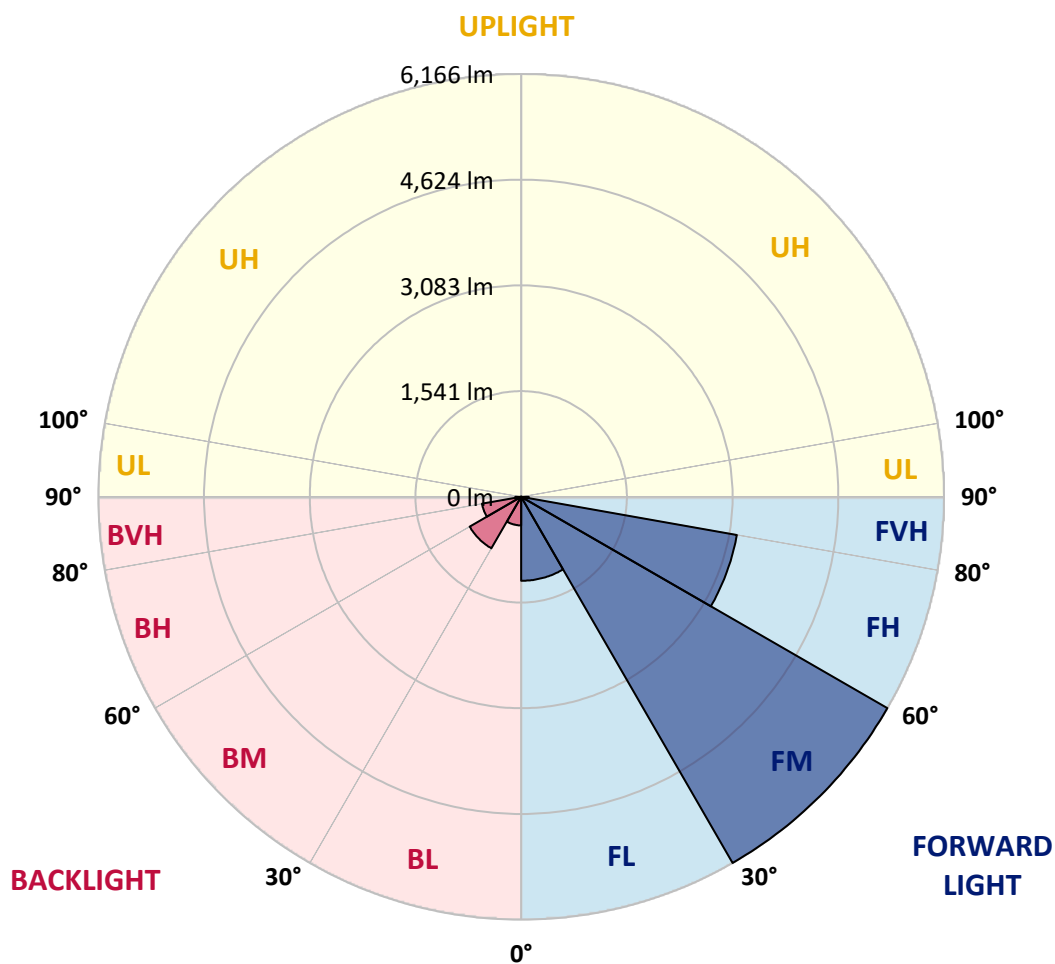
CATALOG NUMBER: GAA-AF-02-LED-U-T2R-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1224.4 | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 6165.9 | 48.8      |                         |      |         |
| FH   | (60°-80°)   | 3193.4 | 25.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 109.4  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 416.8  | 3.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 867.6  | 6.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 579.5  | 4.6       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 85.3   | 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°    | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5°  | 1304.5 | 1290.1 | 1293.7 | 1269.7 | 1240.4 | 1202.1 | 1159.7 | 1159.1 | 1159.7 | 1155.4 | 1140.0 |
| 5°    | 1808.8 | 1791.6 | 1785.0 | 1731.1 | 1652.1 | 1539.7 | 1417.6 | 1404.5 | 1399.0 | 1385.3 | 1353.5 |
| 7.5°  | 2177.0 | 2167.4 | 2157.1 | 2116.4 | 2044.7 | 1919.1 | 1755.0 | 1727.0 | 1700.0 | 1693.4 | 1657.6 |
| 10°   | 2414.5 | 2412.0 | 2390.5 | 2379.7 | 2335.0 | 2226.0 | 2066.2 | 2039.2 | 2009.9 | 1999.8 | 1962.0 |
| 12.5° | 2602.3 | 2601.8 | 2591.6 | 2594.7 | 2555.6 | 2476.8 | 2339.0 | 2314.5 | 2293.1 | 2261.8 | 2235.0 |
| 15°   | 2732.2 | 2732.8 | 2747.8 | 2764.5 | 2758.5 | 2705.2 | 2576.0 | 2565.2 | 2546.7 | 2525.3 | 2493.5 |
| 17.5° | 2838.7 | 2841.8 | 2857.2 | 2887.7 | 2920.7 | 2916.5 | 2814.2 | 2805.2 | 2789.0 | 2759.7 | 2743.1 |
| 20°   | 3079.3 | 3090.6 | 3060.8 | 3060.8 | 3064.3 | 3080.5 | 3031.3 | 3024.2 | 3001.5 | 2985.9 | 2972.8 |
| 22.5° | 3485.6 | 3498.7 | 3431.1 | 3362.4 | 3294.8 | 3245.6 | 3196.6 | 3205.5 | 3190.0 | 3179.2 | 3171.4 |
| 25°   | 4013.3 | 4023.6 | 3914.1 | 3798.0 | 3660.2 | 3480.8 | 3359.4 | 3353.9 | 3345.5 | 3339.0 | 3335.4 |
| 27.5° | 4510.0 | 4514.2 | 4410.8 | 4240.7 | 4080.9 | 3823.0 | 3524.5 | 3517.9 | 3507.8 | 3495.2 | 3484.3 |
| 30°   | 4934.9 | 4933.7 | 4827.2 | 4665.0 | 4493.8 | 4208.4 | 3775.3 | 3754.9 | 3724.9 | 3690.8 | 3664.5 |
| 32.5° | 5302.9 | 5301.1 | 5184.3 | 5016.2 | 4836.8 | 4590.2 | 4118.8 | 4076.9 | 4030.2 | 3963.6 | 3923.7 |
| 35°   | 5592.4 | 5591.4 | 5481.1 | 5305.9 | 5100.0 | 4949.9 | 4512.5 | 4461.0 | 4401.7 | 4312.6 | 4251.0 |
| 37.5° | 5702.0 | 5702.0 | 5640.4 | 5520.7 | 5338.8 | 5235.8 | 4949.9 | 4887.5 | 4824.2 | 4723.0 | 4653.6 |
| 40°   | 5637.9 | 5639.1 | 5652.3 | 5630.2 | 5541.7 | 5462.7 | 5357.9 | 5320.8 | 5266.4 | 5175.5 | 5103.0 |
| 42.5° | 5423.1 | 5429.7 | 5517.2 | 5624.2 | 5668.4 | 5656.0 | 5719.9 | 5703.2 | 5664.9 | 5594.9 | 5537.4 |
| 45°   | 5150.8 | 5171.2 | 5266.9 | 5469.2 | 5703.7 | 5822.8 | 6023.3 | 6025.0 | 6017.9 | 5980.3 | 5935.9 |
| 47.5° | 4777.0 | 4805.5 | 4931.9 | 5205.3 | 5621.2 | 5985.1 | 6331.4 | 6347.6 | 6362.7 | 6338.2 | 6317.7 |
| 50°   | 4280.3 | 4314.4 | 4503.4 | 4866.1 | 5453.1 | 6153.2 | 6913.6 | 6986.8 | 7054.9 | 7046.6 | 7060.3 |
| 52.5° | 3748.3 | 3788.4 | 4019.9 | 4423.9 | 5164.1 | 6192.1 | 7285.9 | 7405.0 | 7524.1 | 7621.6 | 7725.0 |
| 55°   | 3268.3 | 3246.8 | 3478.5 | 3903.8 | 4688.9 | 6016.7 | 7620.5 | 7764.1 | 7896.9 | 8016.5 | 8139.9 |
| 57.5° | 2617.9 | 2653.2 | 2885.4 | 3306.1 | 4060.0 | 5521.8 | 7850.7 | 8060.9 | 8251.7 | 8449.8 | 8624.5 |
| 60°   | 1913.6 | 1948.9 | 2200.8 | 2628.0 | 3377.3 | 4771.5 | 7674.8 | 7993.3 | 8298.9 | 8602.3 | 8839.3 |
| 62.5° | 1155.4 | 1181.9 | 1403.7 | 1810.8 | 2604.2 | 3881.8 | 6890.9 | 7308.6 | 7758.6 | 8121.2 | 8484.4 |
| 65°   | 719.3  | 734.2  | 816.2  | 1040.0 | 1672.5 | 2898.0 | 5630.2 | 6085.6 | 6570.2 | 7030.4 | 7408.0 |
| 67.5° | 588.8  | 594.1  | 609.2  | 657.0  | 918.4  | 1889.8 | 4190.5 | 4593.8 | 5031.2 | 5476.3 | 5896.5 |
| 70°   | 529.5  | 526.0  | 526.0  | 529.0  | 588.8  | 1016.1 | 2743.6 | 3006.3 | 3370.7 | 3757.9 | 4142.0 |
| 72.5° | 478.0  | 474.5  | 467.9  | 459.0  | 480.5  | 619.9  | 1418.1 | 1616.2 | 1878.9 | 2223.0 | 2590.9 |
| 75°   | 429.6  | 424.8  | 417.1  | 405.8  | 420.7  | 467.9  | 680.9  | 764.2  | 892.2  | 1075.4 | 1280.6 |
| 77.5° | 379.3  | 373.3  | 366.2  | 357.9  | 377.0  | 363.9  | 399.0  | 429.0  | 478.0  | 536.8  | 614.0  |
| 80°   | 322.5  | 317.2  | 314.7  | 310.6  | 333.4  | 277.1  | 281.9  | 300.3  | 329.1  | 360.9  | 396.7  |
| 82.5° | 252.6  | 252.6  | 262.0  | 264.0  | 289.0  | 199.3  | 210.7  | 226.9  | 241.8  | 258.5  | 275.3  |
| 85°   | 166.3  | 167.6  | 199.9  | 212.5  | 227.9  | 134.0  | 158.0  | 163.3  | 175.4  | 185.0  | 192.1  |
| 87.5° | 52.0   | 56.3   | 122.1  | 135.3  | 131.0  | 76.0   | 96.9   | 99.4   | 107.7  | 114.3  | 120.4  |
| 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°    | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4  | 1027.4  | 1027.4  | 1027.4  | 1027.4  |
| 2.5°  | 1140.0 | 1132.7 | 1126.1 | 1125.6 | 1120.8 | 1114.2 | 1116.5  | 1106.4  | 1106.9  | 1101.6  | 1095.6  |
| 5°    | 1340.4 | 1335.6 | 1311.6 | 1305.1 | 1287.1 | 1275.8 | 1274.0  | 1250.0  | 1247.0  | 1233.3  | 1218.2  |
| 7.5°  | 1628.8 | 1613.2 | 1579.7 | 1563.5 | 1533.0 | 1510.3 | 1499.6  | 1467.8  | 1452.2  | 1416.3  | 1400.2  |
| 10°   | 1930.9 | 1911.2 | 1869.9 | 1847.2 | 1817.9 | 1781.3 | 1761.6  | 1715.6  | 1697.5  | 1664.7  | 1625.3  |
| 12.5° | 2211.1 | 2191.4 | 2148.8 | 2131.4 | 2092.5 | 2053.6 | 2032.1  | 1980.1  | 1956.7  | 1904.0  | 1872.9  |
| 15°   | 2470.0 | 2450.3 | 2413.2 | 2395.3 | 2356.4 | 2324.7 | 2295.9  | 2244.6  | 2217.1  | 2167.9  | 2127.3  |
| 17.5° | 2721.4 | 2700.5 | 2668.1 | 2652.0 | 2614.4 | 2582.1 | 2551.0  | 2502.4  | 2474.3  | 2425.3  | 2388.7  |
| 20°   | 2954.8 | 2939.2 | 2915.9 | 2894.3 | 2856.7 | 2827.4 | 2790.3  | 2748.4  | 2707.7  | 2671.7  | 2637.1  |
| 22.5° | 3158.3 | 3152.2 | 3127.2 | 3117.6 | 3085.3 | 3060.1 | 3027.8  | 2986.6  | 2957.1  | 2911.7  | 2879.4  |
| 25°   | 3333.6 | 3331.9 | 3319.8 | 3316.8 | 3294.0 | 3270.1 | 3263.0  | 3228.9  | 3201.9  | 3161.8  | 3128.4  |
| 27.5° | 3484.3 | 3486.1 | 3483.3 | 3491.6 | 3485.6 | 3474.7 | 3475.5  | 3464.1  | 3448.5  | 3414.9  | 3385.6  |
| 30°   | 3651.9 | 3642.3 | 3647.8 | 3659.7 | 3663.3 | 3664.5 | 3684.2  | 3690.8  | 3689.7  | 3667.5  | 3653.1  |
| 32.5° | 3888.9 | 3866.2 | 3845.2 | 3843.4 | 3855.3 | 3860.1 | 3893.7  | 3911.1  | 3926.0  | 3931.3  | 3933.8  |
| 35°   | 4191.0 | 4145.6 | 4101.9 | 4078.6 | 4058.2 | 4063.5 | 4087.5  | 4115.7  | 4148.6  | 4171.3  | 4198.3  |
| 37.5° | 4571.6 | 4516.0 | 4438.8 | 4383.8 | 4369.9 | 4340.1 | 4355.6  | 4377.7  | 4410.0  | 4445.4  | 4492.1  |
| 40°   | 5032.9 | 4948.6 | 4861.8 | 4788.9 | 4749.4 | 4694.2 | 4693.7  | 4689.4  | 4709.3  | 4742.2  | 4808.0  |
| 42.5° | 5477.1 | 5402.1 | 5310.0 | 5233.5 | 5182.0 | 5108.4 | 5093.5  | 5054.6  | 5063.5  | 5092.2  | 5156.3  |
| 45°   | 5892.8 | 5831.2 | 5774.9 | 5686.5 | 5642.7 | 5563.2 | 5537.9  | 5492.0  | 5466.2  | 5479.4  | 5543.4  |
| 47.5° | 6295.6 | 6256.1 | 6197.4 | 6140.1 | 6106.5 | 6035.3 | 6003.0  | 5970.0  | 5937.2  | 5935.9  | 6003.0  |
| 50°   | 7080.7 | 7059.7 | 6990.3 | 6930.5 | 6946.7 | 6859.3 | 6864.7  | 6776.1  | 6816.2  | 6821.0  | 6961.6  |
| 52.5° | 7818.4 | 7891.5 | 7943.0 | 8005.7 | 8046.5 | 8054.3 | 8081.1  | 8121.2  | 8169.7  | 8265.4  | 8395.8  |
| 55°   | 8240.9 | 8332.5 | 8385.7 | 8433.7 | 8512.6 | 8529.3 | 8574.2  | 8627.5  | 8669.9  | 8777.7  | 8888.4  |
| 57.5° | 8743.1 | 8912.9 | 8995.5 | 9071.4 | 9178.0 | 9218.6 | 9293.5  | 9351.6  | 9406.6  | 9534.0  | 9668.1  |
| 60°   | 9052.3 | 9259.4 | 9427.5 | 9547.7 | 9681.2 | 9777.0 | 9890.1  | 9981.0  | 10110.2 | 10262.9 | 10462.8 |
| 62.5° | 8806.4 | 9110.3 | 9333.6 | 9540.1 | 9721.3 | 9904.5 | 10066.6 | 10236.6 | 10432.8 | 10663.7 | 10973.8 |
| 65°   | 7826.9 | 8136.2 | 8518.5 | 8732.8 | 8972.8 | 9255.2 | 9501.7  | 9777.0  | 10044.4 | 10380.8 | 10839.1 |
| 67.5° | 6301.1 | 6660.5 | 7090.3 | 7306.3 | 7582.1 | 7897.4 | 8174.0  | 8510.2  | 8822.6  | 9230.0  | 9796.8  |
| 70°   | 4541.8 | 5006.7 | 5368.1 | 5593.7 | 5915.7 | 6240.5 | 6507.5  | 6898.7  | 7157.2  | 7574.9  | 8160.8  |
| 72.5° | 2875.8 | 3242.6 | 3685.5 | 3969.6 | 4255.6 | 4584.9 | 4857.7  | 5195.2  | 5436.2  | 5816.8  | 6347.6  |
| 75°   | 1546.3 | 1816.6 | 2205.6 | 2475.5 | 2781.9 | 3063.1 | 3382.6  | 3608.8  | 3787.2  | 4088.2  | 4519.0  |
| 77.5° | 724.6  | 889.1  | 1086.0 | 1293.7 | 1501.4 | 1717.9 | 1928.6  | 2111.7  | 2188.3  | 2360.7  | 2614.9  |
| 80°   | 439.9  | 493.1  | 550.5  | 614.5  | 701.3  | 771.3  | 864.1   | 931.0   | 935.8   | 990.3   | 1068.1  |
| 82.5° | 293.8  | 313.5  | 330.9  | 347.0  | 369.2  | 386.6  | 406.3   | 429.6   | 439.2   | 451.8   | 477.0   |
| 85°   | 200.4  | 210.0  | 213.5  | 223.8  | 221.4  | 227.4  | 235.2   | 243.0   | 247.1   | 246.6   | 257.9   |
| 87.5° | 123.2  | 128.0  | 130.5  | 132.8  | 131.0  | 128.7  | 132.2   | 136.5   | 137.6   | 134.0   | 135.3   |
| 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):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°    | 90°    | 95°    | 105°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0°    | 1027.4  | 1027.4  | 1027.4  | 1027.4  | 1027.4  | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5°  | 1096.8  | 1091.5  | 1086.0  | 1082.5  | 1081.2  | 1049.6 | 1035.8 | 1026.9 | 1007.7 | 992.1  | 979.5  |
| 5°    | 1209.9  | 1198.5  | 1189.7  | 1178.8  | 1172.8  | 1092.6 | 1063.3 | 1043.0 | 1009.5 | 989.8  | 971.7  |
| 7.5°  | 1391.9  | 1360.1  | 1341.6  | 1320.7  | 1302.7  | 1157.9 | 1109.4 | 1077.7 | 1031.0 | 1004.7 | 984.3  |
| 10°   | 1598.3  | 1565.5  | 1536.0  | 1503.7  | 1475.6  | 1244.7 | 1174.0 | 1124.9 | 1063.3 | 1029.2 | 1002.2 |
| 12.5° | 1828.7  | 1796.4  | 1759.3  | 1717.9  | 1682.1  | 1354.8 | 1256.6 | 1186.7 | 1102.2 | 1056.7 | 1019.1 |
| 15°   | 2101.0  | 2044.0  | 1999.1  | 1951.4  | 1909.5  | 1486.5 | 1353.0 | 1256.1 | 1143.5 | 1081.9 | 1031.7 |
| 17.5° | 2354.0  | 2294.1  | 2233.2  | 2191.4  | 2142.9  | 1634.2 | 1449.9 | 1326.5 | 1177.6 | 1098.1 | 1034.0 |
| 20°   | 2601.2  | 2535.9  | 2483.4  | 2427.1  | 2376.1  | 1787.3 | 1553.4 | 1388.8 | 1199.8 | 1098.6 | 1019.1 |
| 22.5° | 2819.0  | 2778.2  | 2719.6  | 2658.6  | 2607.1  | 1940.5 | 1650.3 | 1441.6 | 1208.1 | 1084.9 | 992.6  |
| 25°   | 3066.7  | 3023.7  | 2951.8  | 2900.3  | 2843.0  | 2096.7 | 1745.5 | 1482.2 | 1203.3 | 1059.2 | 952.0  |
| 27.5° | 3331.1  | 3283.4  | 3209.7  | 3155.9  | 3086.5  | 2258.8 | 1832.8 | 1511.5 | 1185.4 | 1017.3 | 897.5  |
| 30°   | 3607.0  | 3563.3  | 3490.9  | 3436.6  | 3366.5  | 2430.6 | 1930.4 | 1531.2 | 1149.6 | 959.3  | 834.1  |
| 32.5° | 3903.3  | 3866.7  | 3795.0  | 3738.2  | 3663.3  | 2616.7 | 2021.3 | 1537.2 | 1095.1 | 890.4  | 767.2  |
| 35°   | 4184.4  | 4159.4  | 4098.9  | 4045.6  | 3967.9  | 2792.6 | 2117.7 | 1534.2 | 1030.4 | 814.9  | 706.1  |
| 37.5° | 4501.1  | 4486.0  | 4456.2  | 4388.6  | 4293.4  | 3031.3 | 2233.2 | 1521.6 | 951.5  | 740.2  | 659.4  |
| 40°   | 4838.6  | 4839.8  | 4807.5  | 4761.3  | 4672.8  | 3321.0 | 2370.8 | 1497.1 | 865.2  | 674.4  | 616.8  |
| 42.5° | 5195.7  | 5214.3  | 5198.7  | 5165.9  | 5080.9  | 3613.0 | 2535.4 | 1467.3 | 781.6  | 610.3  | 575.1  |
| 45°   | 5605.0  | 5627.8  | 5651.7  | 5603.3  | 5520.7  | 3998.4 | 2751.9 | 1428.4 | 691.0  | 557.0  | 546.4  |
| 47.5° | 6077.2  | 6113.1  | 6134.6  | 6135.3  | 6052.7  | 4475.9 | 3103.8 | 1405.0 | 611.0  | 521.2  | 532.5  |
| 50°   | 7073.4  | 7084.9  | 7135.7  | 7224.3  | 7160.9  | 5581.1 | 3718.3 | 1390.6 | 556.5  | 499.0  | 522.4  |
| 52.5° | 8508.9  | 8634.1  | 8722.1  | 8716.1  | 8629.8  | 6283.0 | 4057.0 | 1316.4 | 524.2  | 490.6  | 517.6  |
| 55°   | 9093.6  | 9249.8  | 9412.6  | 9455.6  | 9388.7  | 6882.0 | 4377.2 | 1242.2 | 508.6  | 496.7  | 519.4  |
| 57.5° | 9872.7  | 10136.0 | 10359.3 | 10453.2 | 10356.3 | 7648.5 | 4798.4 | 1203.3 | 503.8  | 512.8  | 530.8  |
| 60°   | 10782.8 | 11108.4 | 11401.6 | 11570.3 | 11570.3 | 8529.3 | 5235.3 | 1187.2 | 497.2  | 536.8  | 549.9  |
| 62.5° | 11367.5 | 11845.6 | 12288.5 | 12535.5 | 12528.3 | 9142.6 | 5429.1 | 1132.2 | 482.3  | 553.5  | 576.2  |
| 65°   | 11369.8 | 11938.4 | 12502.5 | 12780.3 | 12794.5 | 9067.4 | 5109.1 | 999.9  | 454.8  | 556.0  | 602.6  |
| 67.5° | 10422.1 | 11028.1 | 11685.8 | 11996.5 | 12068.2 | 8346.9 | 4422.7 | 822.2  | 409.9  | 532.0  | 612.2  |
| 70°   | 8802.2  | 9394.0  | 10065.3 | 10370.6 | 10498.1 | 7115.3 | 3562.1 | 633.7  | 352.5  | 479.3  | 592.3  |
| 72.5° | 6934.6  | 7515.0  | 7982.4  | 8205.6  | 8305.0  | 5438.7 | 2593.9 | 478.7  | 289.0  | 403.8  | 539.1  |
| 75°   | 4909.7  | 5345.3  | 5593.7  | 5643.4  | 5658.8  | 3278.6 | 1576.1 | 356.1  | 238.2  | 314.2  | 455.3  |
| 77.5° | 2771.1  | 2957.8  | 2937.4  | 2959.6  | 2775.4  | 1265.6 | 686.4  | 254.9  | 196.3  | 238.8  | 353.1  |
| 80°   | 1081.9  | 1115.5  | 1047.8  | 1026.9  | 941.9   | 470.9  | 302.8  | 177.7  | 156.7  | 180.7  | 247.1  |
| 82.5° | 477.0   | 492.4   | 478.0   | 481.8   | 460.8   | 243.0  | 181.2  | 128.7  | 119.6  | 132.2  | 164.0  |
| 85°   | 262.7   | 267.5   | 266.3   | 274.1   | 262.7   | 96.9   | 86.1   | 79.0   | 83.8   | 89.8   | 105.3  |
| 87.5° | 128.0   | 129.2   | 125.1   | 131.7   | 127.5   | 49.0   | 42.4   | 44.9   | 49.0   | 50.2   | 50.2   |
| 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: P301571

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**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5°  | 970.6  | 965.8  | 966.4  | 965.1  | 962.8  | 962.8  |
| 5°    | 962.3  | 957.5  | 957.5  | 956.2  | 953.2  | 953.8  |
| 7.5°  | 970.6  | 962.8  | 959.8  | 955.5  | 951.5  | 951.5  |
| 10°   | 980.2  | 966.4  | 958.0  | 950.9  | 945.4  | 945.4  |
| 12.5° | 987.3  | 965.8  | 952.0  | 942.4  | 937.1  | 937.1  |
| 15°   | 989.8  | 961.6  | 942.4  | 931.0  | 926.2  | 925.7  |
| 17.5° | 982.0  | 945.4  | 922.2  | 909.0  | 903.0  | 901.2  |
| 20°   | 958.0  | 916.1  | 888.1  | 873.0  | 864.6  | 861.6  |
| 22.5° | 922.2  | 874.2  | 841.4  | 825.8  | 814.9  | 813.2  |
| 25°   | 871.9  | 820.4  | 788.1  | 773.1  | 767.2  | 765.2  |
| 27.5° | 813.2  | 765.2  | 737.7  | 728.1  | 722.8  | 722.3  |
| 30°   | 757.6  | 716.8  | 696.5  | 689.3  | 682.7  | 681.6  |
| 32.5° | 705.4  | 679.7  | 672.1  | 661.8  | 646.3  | 644.5  |
| 35°   | 668.3  | 666.0  | 660.7  | 637.8  | 618.8  | 613.3  |
| 37.5° | 645.6  | 667.8  | 640.3  | 595.4  | 581.7  | 580.5  |
| 40°   | 632.5  | 649.3  | 601.9  | 586.5  | 587.6  | 586.5  |
| 42.5° | 602.6  | 619.9  | 603.2  | 596.1  | 600.7  | 601.9  |
| 45°   | 572.6  | 591.8  | 612.2  | 607.4  | 618.8  | 618.8  |
| 47.5° | 556.0  | 584.5  | 611.5  | 611.5  | 628.4  | 634.2  |
| 50°   | 536.8  | 578.7  | 601.9  | 610.3  | 623.6  | 618.8  |
| 52.5° | 535.5  | 568.4  | 588.3  | 603.2  | 609.2  | 603.7  |
| 55°   | 537.3  | 560.0  | 574.4  | 591.3  | 598.4  | 598.9  |
| 57.5° | 539.8  | 555.2  | 564.8  | 572.6  | 594.1  | 594.1  |
| 60°   | 545.7  | 551.2  | 556.5  | 560.8  | 588.8  | 589.3  |
| 62.5° | 555.2  | 546.9  | 545.7  | 549.9  | 585.8  | 583.5  |
| 65°   | 570.3  | 540.9  | 532.0  | 536.1  | 582.8  | 575.7  |
| 67.5° | 590.6  | 532.0  | 514.6  | 517.6  | 580.5  | 564.8  |
| 70°   | 609.2  | 517.6  | 493.1  | 490.1  | 557.7  | 530.2  |
| 72.5° | 611.0  | 500.9  | 463.1  | 454.2  | 484.8  | 458.3  |
| 75°   | 581.0  | 489.4  | 430.3  | 403.8  | 400.3  | 396.7  |
| 77.5° | 523.7  | 482.8  | 391.9  | 350.6  | 343.5  | 345.8  |
| 80°   | 438.1  | 458.3  | 345.8  | 296.8  | 335.7  | 331.6  |
| 82.5° | 327.3  | 404.5  | 293.8  | 262.7  | 262.0  | 231.6  |
| 85°   | 181.9  | 315.4  | 239.3  | 196.9  | 137.0  | 132.8  |
| 87.5° | 50.9   | 175.4  | 167.6  | 111.3  | 76.0   | 79.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)