

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: P324877

Luminaire Tested: **GAN-SA3B-760-U-AFL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-760-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14282 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

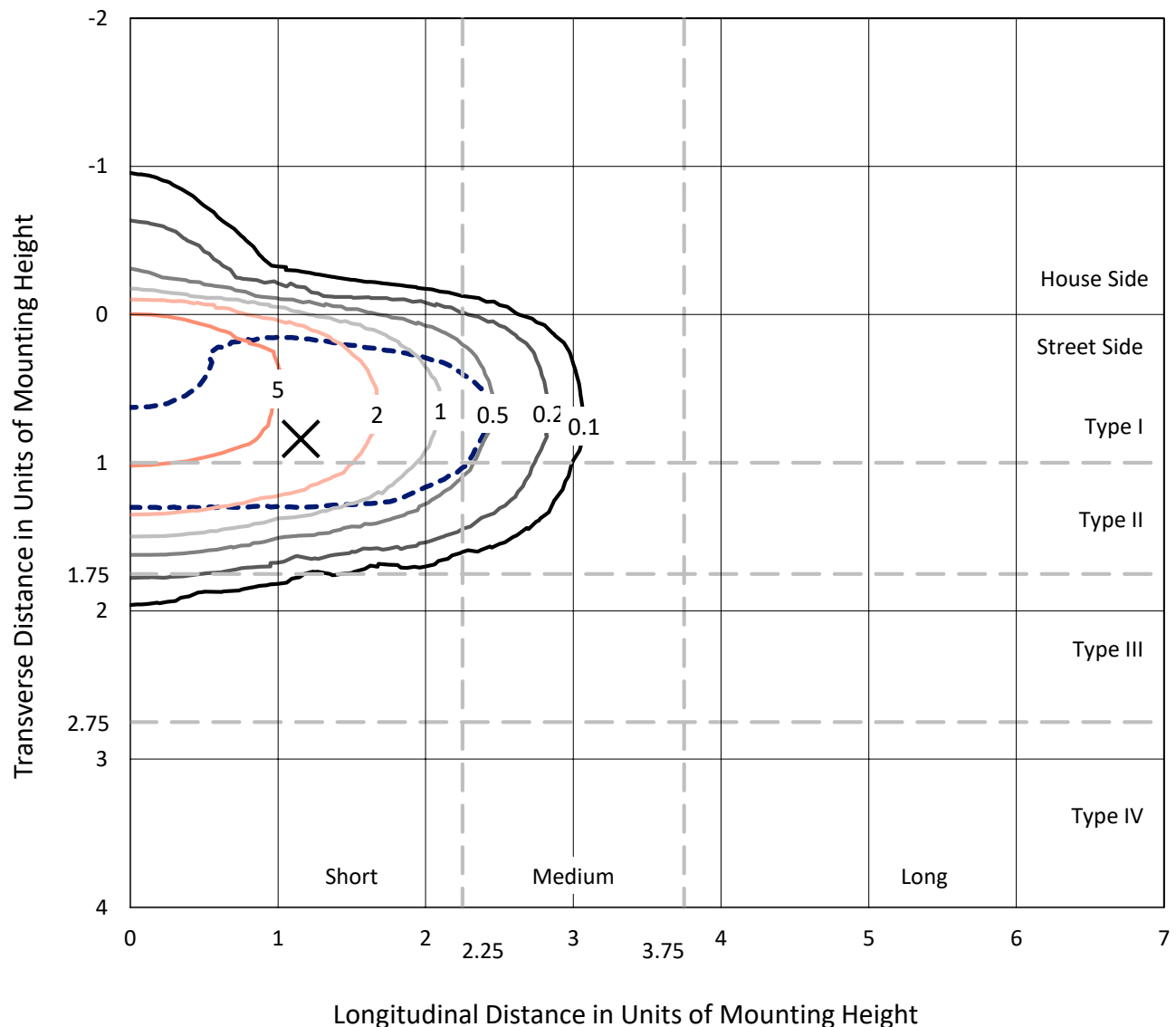
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

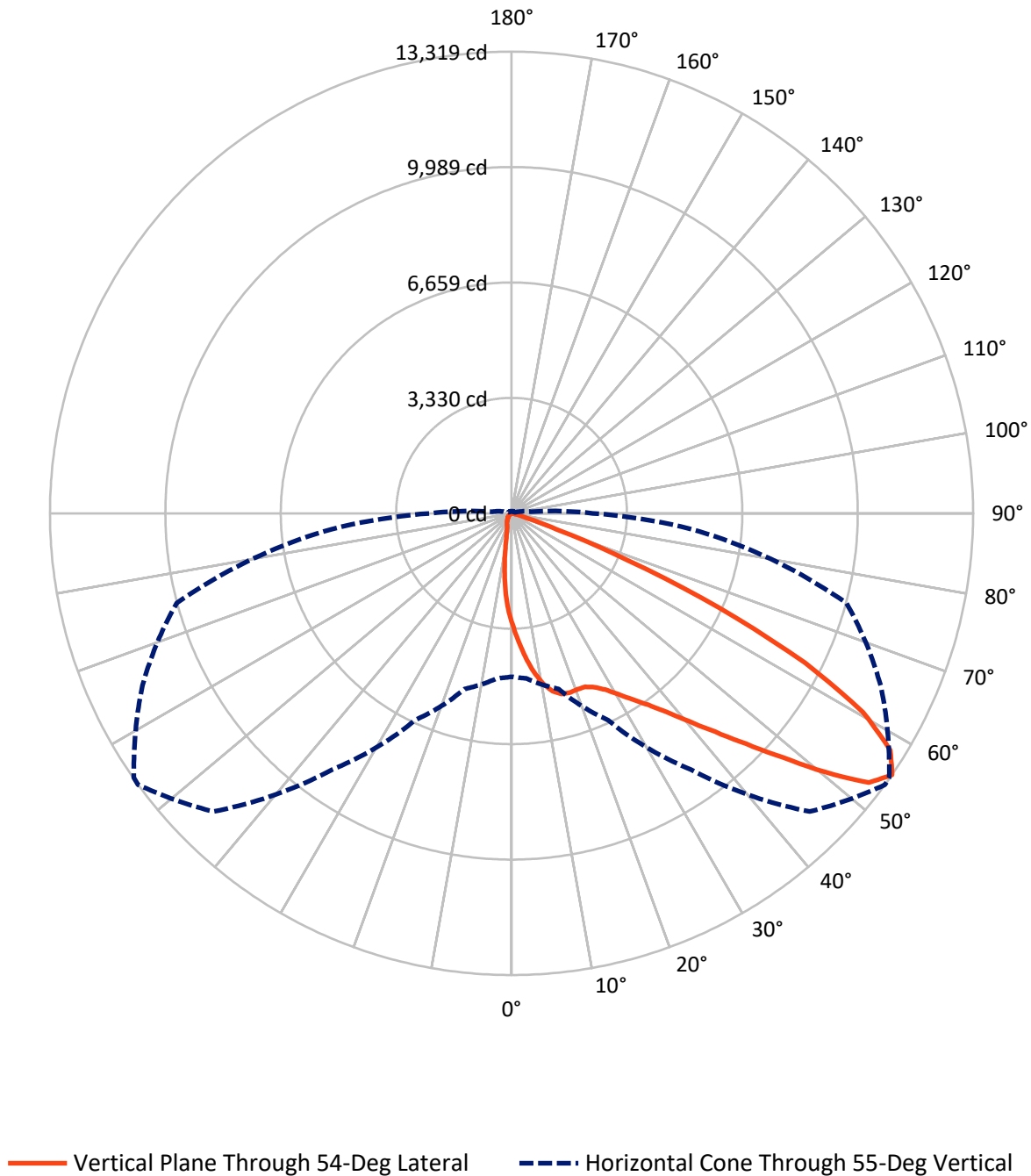
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 712.6    | 0.0    | 712.6   |
|                    | % Fixture | 5.0      | 0.0    | 5.0     |
| <b>Street Side</b> | Lumens    | 13569.4  | 0.0    | 13569.4 |
|                    | % Fixture | 95.0     | 0.0    | 95.0    |
| <b>Total</b>       | Lumens    | 14282.0  | 0.0    | 14282.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 294.6   | 2.1       |
| 10°-20°   | 807.8   | 5.7       |
| 20°-30°   | 1379.2  | 9.7       |
| 30°-40°   | 2213.4  | 15.5      |
| 40°-50°   | 3537.1  | 24.8      |
| 50°-60°   | 3790.0  | 26.5      |
| 60°-70°   | 1945.9  | 13.6      |
| 70°-80°   | 294.8   | 2.1       |
| 80°-90°   | 19.2    | 0.1       |
| 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°    | 14282.0 | 100.0     |
| 0°-180°   | 14282.0 | 100.0     |

**Coefficient of Utilization**



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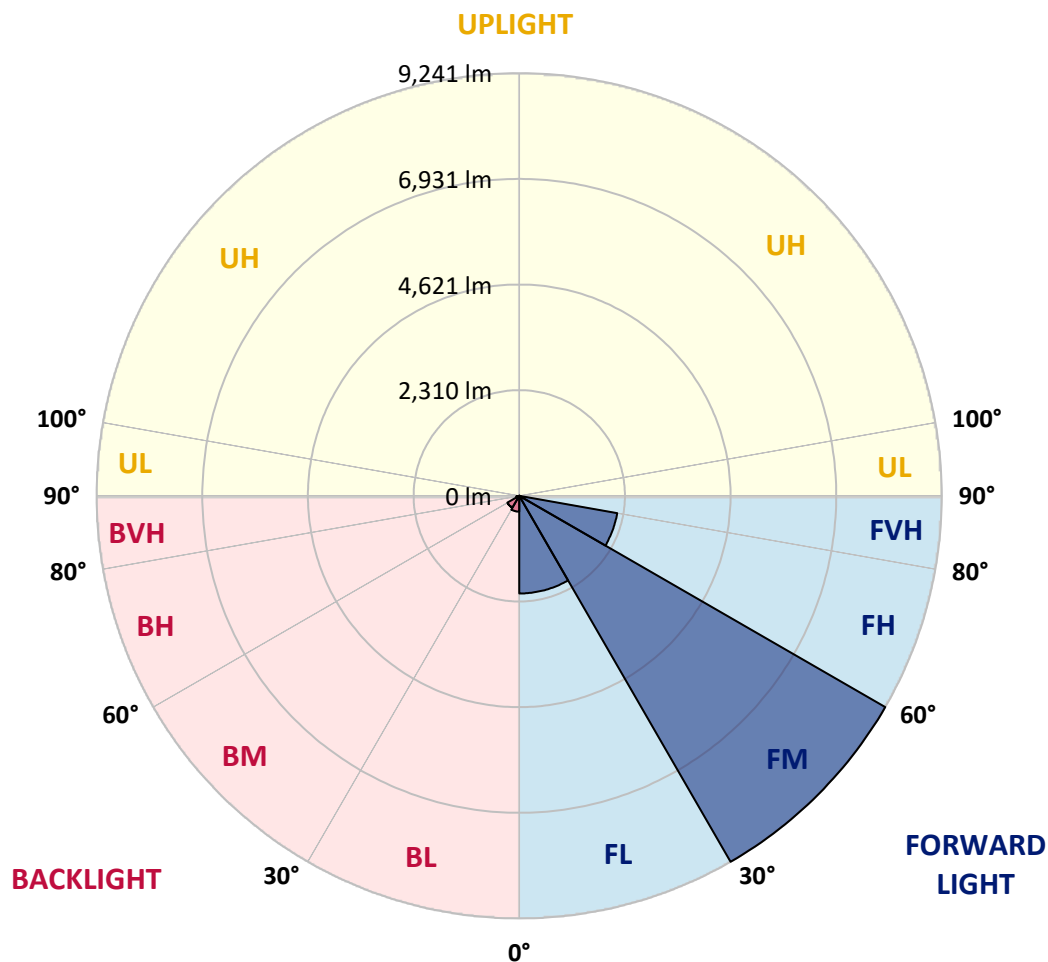
CATALOG NUMBER: GAN-SA3B-760-U-AFL-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2134.9 | 14.9      |                         |      |         |
| FM   | (30°-60°)   | 9241.1 | 64.7      |                         |      |         |
| FH   | (60°-80°)   | 2175.0 | 15.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 18.4   | 0.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 346.7  | 2.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 299.4  | 2.1       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 65.7   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.8    | 0.0       |                         |      | G0/10   |
| 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°     | 54°     | 55°     | 65°     | 75°     | 85°    |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 3198.6 | 3198.6 | 3198.6 | 3198.6  | 3198.6  | 3198.6  | 3198.6  | 3198.6  | 3198.6  | 3198.6  | 3198.6 |
| 2.5°  | 4014.0 | 3954.1 | 3956.0 | 3928.9  | 3829.6  | 3751.8  | 3671.0  | 3651.9  | 3526.1  | 3394.1  | 3267.1 |
| 5°    | 4707.8 | 4664.1 | 4653.6 | 4601.1  | 4463.0  | 4316.8  | 4160.1  | 4123.8  | 3877.7  | 3607.5  | 3341.7 |
| 7.5°  | 5064.3 | 5065.0 | 5056.3 | 5037.2  | 4950.9  | 4809.0  | 4617.8  | 4579.6  | 4244.6  | 3839.4  | 3419.4 |
| 10°   | 4960.7 | 4984.2 | 5032.3 | 5095.8  | 5161.8  | 5143.9  | 5000.2  | 4965.7  | 4601.8  | 4084.9  | 3505.7 |
| 12.5° | 4718.9 | 4722.0 | 4775.7 | 4879.9  | 5069.9  | 5264.8  | 5267.3  | 5255.5  | 4942.8  | 4341.5  | 3600.7 |
| 15°   | 4598.7 | 4610.4 | 4630.1 | 4697.4  | 4877.5  | 5189.5  | 5412.8  | 5429.5  | 5255.5  | 4614.1  | 3701.9 |
| 17.5° | 4677.6 | 4694.3 | 4677.6 | 4685.6  | 4789.9  | 5070.5  | 5438.1  | 5480.7  | 5528.8  | 4883.6  | 3797.5 |
| 20°   | 4891.6 | 4907.1 | 4877.5 | 4844.8  | 4865.1  | 5036.0  | 5420.2  | 5477.6  | 5742.8  | 5122.9  | 3877.7 |
| 22.5° | 5180.3 | 5186.5 | 5141.4 | 5087.8  | 5073.0  | 5153.2  | 5435.0  | 5494.2  | 5914.3  | 5339.4  | 3928.2 |
| 25°   | 5497.9 | 5503.5 | 5447.4 | 5385.7  | 5350.5  | 5383.2  | 5556.5  | 5600.9  | 6065.4  | 5546.0  | 3957.2 |
| 27.5° | 5843.9 | 5848.9 | 5778.6 | 5702.7  | 5662.0  | 5663.2  | 5757.0  | 5804.5  | 6226.3  | 5781.6  | 3980.7 |
| 30°   | 6209.7 | 6207.2 | 6142.5 | 6037.0  | 5985.2  | 5984.0  | 6045.6  | 6093.7  | 6459.5  | 6083.9  | 4012.7 |
| 32.5° | 6620.5 | 6615.5 | 6523.6 | 6392.9  | 6334.3  | 6342.9  | 6397.8  | 6425.6  | 6748.8  | 6405.8  | 4070.1 |
| 35°   | 7161.4 | 7147.2 | 7008.4 | 6846.2  | 6738.3  | 6735.2  | 6781.4  | 6803.6  | 7117.6  | 6795.6  | 4165.7 |
| 37.5° | 7863.3 | 7850.3 | 7662.2 | 7426.6  | 7274.9  | 7218.1  | 7273.0  | 7301.4  | 7643.7  | 7295.8  | 4319.3 |
| 40°   | 8555.3 | 8542.3 | 8430.7 | 8214.8  | 7981.1  | 7844.8  | 7887.9  | 7918.2  | 8300.6  | 7902.7  | 4512.9 |
| 42.5° | 9032.7 | 9043.8 | 9082.6 | 9100.5  | 8881.6  | 8595.4  | 8615.1  | 8646.6  | 8990.7  | 8551.6  | 4734.4 |
| 45°   | 9158.5 | 9182.5 | 9402.1 | 9833.2  | 9915.3  | 9692.0  | 9485.4  | 9502.7  | 9692.0  | 9200.4  | 4955.8 |
| 47.5° | 8780.4 | 8824.8 | 9248.5 | 10050.3 | 10744.8 | 10902.7 | 10511.7 | 10488.9 | 10364.9 | 9725.3  | 5113.1 |
| 50°   | 7921.2 | 7961.9 | 8510.9 | 9696.9  | 10996.5 | 12058.6 | 11741.5 | 11674.3 | 10955.2 | 10039.2 | 5168.6 |
| 52.5° | 6677.8 | 6727.2 | 7173.1 | 8584.3  | 10522.2 | 12574.2 | 12906.0 | 12849.9 | 11388.1 | 10063.9 | 5177.8 |
| 55°   | 4715.9 | 4775.7 | 5247.5 | 6579.1  | 9019.1  | 12164.0 | 13318.6 | 13302.0 | 11747.7 | 9998.5  | 5197.6 |
| 57.5° | 2650.3 | 2693.5 | 3202.3 | 4217.5  | 6605.7  | 10595.0 | 12887.5 | 12997.9 | 11964.8 | 9885.1  | 5227.2 |
| 60°   | 1176.8 | 1188.5 | 1451.9 | 2099.5  | 3867.2  | 8097.0  | 11653.3 | 11839.6 | 11778.6 | 9733.3  | 5277.1 |
| 62.5° | 652.5  | 642.7  | 642.7  | 872.7   | 1680.7  | 5012.5  | 9502.7  | 9810.4  | 10983.5 | 9553.8  | 5279.6 |
| 65°   | 511.3  | 502.1  | 475.5  | 479.2   | 640.2   | 2224.7  | 6580.4  | 7127.5  | 9473.7  | 9027.7  | 5102.0 |
| 67.5° | 433.6  | 425.6  | 399.1  | 388.6   | 397.8   | 734.0   | 3615.5  | 4183.6  | 7188.5  | 7660.3  | 4419.2 |
| 70°   | 366.4  | 360.8  | 347.2  | 334.3   | 310.9   | 362.7   | 1383.4  | 1769.5  | 4429.7  | 5095.8  | 3016.6 |
| 72.5° | 294.8  | 292.4  | 297.3  | 286.2   | 257.8   | 241.8   | 473.1   | 573.0   | 1989.7  | 2274.0  | 1242.8 |
| 75°   | 254.1  | 252.9  | 255.3  | 244.2   | 212.2   | 168.4   | 240.5   | 262.7   | 561.3   | 556.3   | 251.6  |
| 77.5° | 165.3  | 167.1  | 211.6  | 206.6   | 182.6   | 112.3   | 124.6   | 134.5   | 170.2   | 127.7   | 76.5   |
| 80°   | 105.5  | 104.2  | 107.3  | 171.5   | 164.1   | 85.7    | 62.3    | 65.4    | 82.0    | 62.9    | 37.0   |
| 82.5° | 64.1   | 62.9   | 70.3   | 80.2    | 82.6    | 59.8    | 38.2    | 38.9    | 51.2    | 40.7    | 19.7   |
| 85°   | 5.6    | 7.4    | 42.6   | 39.5    | 28.4    | 18.5    | 18.5    | 19.7    | 27.1    | 24.1    | 11.1   |
| 87.5° | 0.0    | 0.0    | 7.4    | 11.1    | 6.2     | 6.8     | 6.8     | 7.4     | 10.5    | 10.5    | 5.6    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3198.6 | 3198.6 | 3198.6 | 3198.6 | 3198.6 | 3198.6 | 3198.6 | 3198.6 | 3198.6 | 3198.6 | 3198.6 |
| 2.5°  | 3201.1 | 3136.9 | 3007.4 | 2882.8 | 2777.3 | 2675.6 | 2559.6 | 2444.9 | 2391.2 | 2369.6 | 2347.4 |
| 5°    | 3206.6 | 3074.6 | 2807.6 | 2538.6 | 2259.9 | 2008.8 | 1794.8 | 1575.2 | 1465.5 | 1417.3 | 1395.1 |
| 7.5°  | 3214.0 | 3012.9 | 2581.2 | 2129.7 | 1680.7 | 1340.3 | 1043.0 | 851.8  | 769.1  | 756.2  | 724.1  |
| 10°   | 3215.2 | 2938.3 | 2318.5 | 1678.2 | 1126.8 | 808.0  | 621.7  | 523.0  | 486.6  | 480.5  | 470.0  |
| 12.5° | 3217.7 | 2850.1 | 2026.7 | 1242.8 | 751.2  | 540.3  | 449.6  | 416.9  | 407.1  | 406.5  | 406.5  |
| 15°   | 3225.1 | 2757.6 | 1723.9 | 895.6  | 539.7  | 428.0  | 394.7  | 381.8  | 378.1  | 379.9  | 379.3  |
| 17.5° | 3225.1 | 2648.4 | 1426.6 | 667.4  | 436.1  | 384.9  | 366.4  | 357.7  | 356.5  | 358.3  | 359.0  |
| 20°   | 3201.7 | 2515.8 | 1154.0 | 519.3  | 386.7  | 357.1  | 340.5  | 332.4  | 329.4  | 330.6  | 331.2  |
| 22.5° | 3145.6 | 2353.0 | 931.9  | 429.9  | 354.0  | 331.8  | 313.9  | 301.6  | 296.7  | 297.3  | 297.3  |
| 25°   | 3058.0 | 2159.9 | 729.0  | 371.9  | 327.5  | 304.7  | 283.7  | 269.5  | 266.4  | 265.8  | 267.1  |
| 27.5° | 2945.7 | 1946.5 | 580.4  | 327.5  | 296.1  | 274.5  | 253.5  | 241.8  | 239.3  | 239.9  | 240.5  |
| 30°   | 2835.3 | 1725.1 | 457.6  | 289.9  | 260.9  | 240.5  | 224.5  | 219.0  | 219.0  | 220.8  | 221.4  |
| 32.5° | 2734.2 | 1512.3 | 362.0  | 257.2  | 229.4  | 210.9  | 201.7  | 201.1  | 204.2  | 205.4  | 206.0  |
| 35°   | 2647.2 | 1315.6 | 299.8  | 231.9  | 204.8  | 188.7  | 185.6  | 188.1  | 191.8  | 194.3  | 194.9  |
| 37.5° | 2585.5 | 1139.8 | 262.1  | 210.9  | 185.6  | 172.7  | 172.1  | 177.0  | 181.9  | 187.5  | 188.7  |
| 40°   | 2559.6 | 991.2  | 236.2  | 192.4  | 170.2  | 160.4  | 158.5  | 165.3  | 174.5  | 182.6  | 183.8  |
| 42.5° | 2538.0 | 869.7  | 214.0  | 174.5  | 157.9  | 143.7  | 143.1  | 151.7  | 162.8  | 170.8  | 172.7  |
| 45°   | 2519.5 | 772.2  | 193.7  | 155.4  | 141.9  | 123.4  | 125.2  | 136.3  | 144.9  | 153.6  | 155.4  |
| 47.5° | 2481.3 | 692.0  | 171.5  | 135.1  | 117.2  | 105.5  | 109.2  | 119.0  | 125.8  | 138.8  | 140.6  |
| 50°   | 2412.8 | 626.6  | 148.6  | 110.4  | 95.6   | 91.3   | 96.8   | 103.6  | 112.3  | 123.4  | 124.6  |
| 52.5° | 2366.6 | 577.3  | 128.9  | 92.5   | 78.9   | 80.2   | 85.7   | 88.2   | 93.1   | 97.5   | 96.2   |
| 55°   | 2340.0 | 550.2  | 112.9  | 80.2   | 67.2   | 70.9   | 72.2   | 69.1   | 66.6   | 62.3   | 60.4   |
| 57.5° | 2337.0 | 525.5  | 100.5  | 69.7   | 59.2   | 61.1   | 56.7   | 46.3   | 37.6   | 32.7   | 31.5   |
| 60°   | 2332.0 | 495.3  | 90.7   | 58.6   | 52.4   | 50.0   | 40.7   | 25.3   | 17.9   | 16.7   | 16.7   |
| 62.5° | 2278.4 | 448.4  | 83.3   | 49.3   | 44.4   | 37.6   | 23.4   | 11.7   | 9.9    | 10.5   | 10.5   |
| 65°   | 2107.5 | 383.0  | 75.9   | 40.1   | 35.2   | 27.1   | 11.7   | 6.8    | 3.7    | 4.3    | 4.3    |
| 67.5° | 1791.7 | 305.3  | 67.8   | 30.8   | 26.5   | 17.3   | 6.8    | 3.1    | 0.0    | 0.0    | 0.0    |
| 70°   | 1199.6 | 189.3  | 57.4   | 21.6   | 17.3   | 10.5   | 4.9    | 0.6    | 0.0    | 0.0    | 0.0    |
| 72.5° | 460.1  | 102.4  | 46.3   | 13.0   | 11.1   | 7.4    | 3.1    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 103.6  | 67.2   | 32.1   | 9.3    | 8.0    | 4.9    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 39.5   | 48.7   | 18.5   | 6.2    | 5.6    | 3.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 19.1   | 29.0   | 8.6    | 3.7    | 3.1    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 9.9    | 11.1   | 3.7    | 1.9    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 5.6    | 5.6    | 1.9    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 3.1    | 1.9    | 0.6    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)