

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: P323730

Luminaire Tested: **GAN-SA6C-722-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-722-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26568 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4

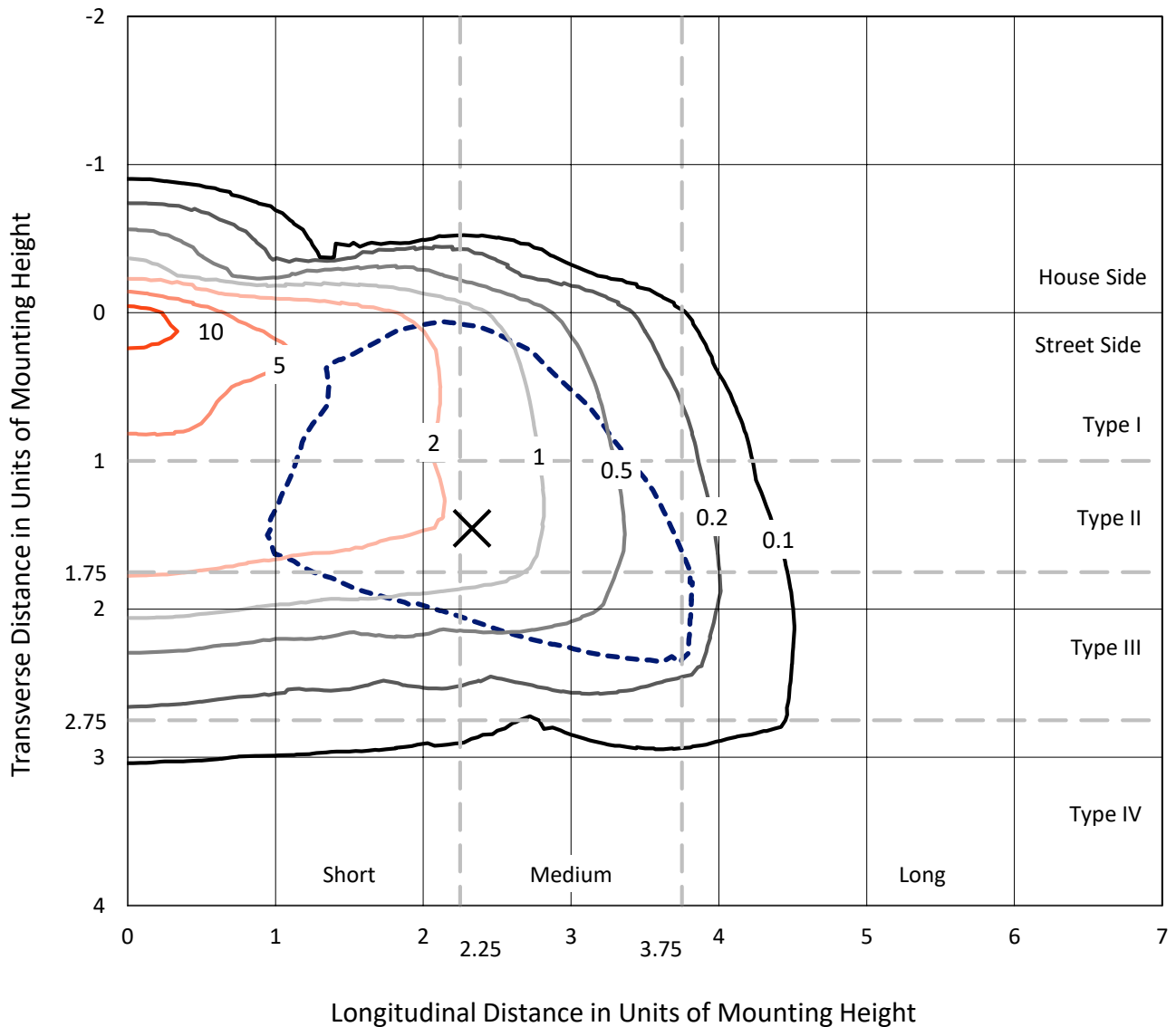
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

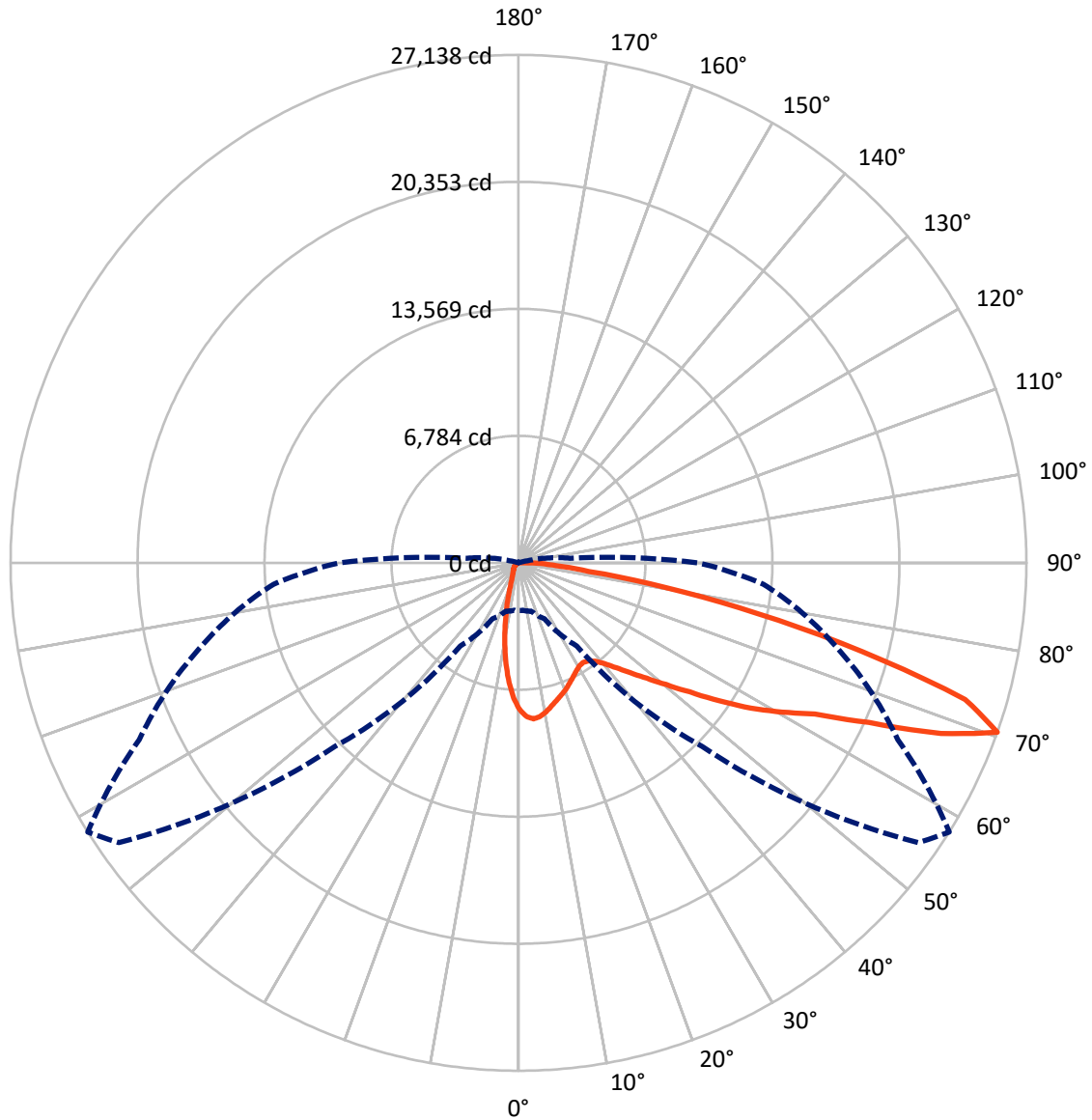
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2273.6   | 0.0    | 2273.6  |
|                    | % Fixture | 8.6      | 0.0    | 8.6     |
| <b>Street Side</b> | Lumens    | 24294.4  | 0.0    | 24294.4 |
|                    | % Fixture | 91.4     | 0.0    | 91.4    |
| <b>Total</b>       | Lumens    | 26568.0  | 0.0    | 26568.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 641.8   | 2.4       |
| 10°-20°   | 1346.9  | 5.1       |
| 20°-30°   | 1770.7  | 6.7       |
| 30°-40°   | 2345.2  | 8.8       |
| 40°-50°   | 3505.3  | 13.2      |
| 50°-60°   | 5615.3  | 21.1      |
| 60°-70°   | 7078.1  | 26.6      |
| 70°-80°   | 3817.9  | 14.4      |
| 80°-90°   | 446.9   | 1.7       |
| 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°    | 26568.0 | 100.0     |
| 0°-180°   | 26568.0 | 100.0     |

**Coefficient of Utilization**

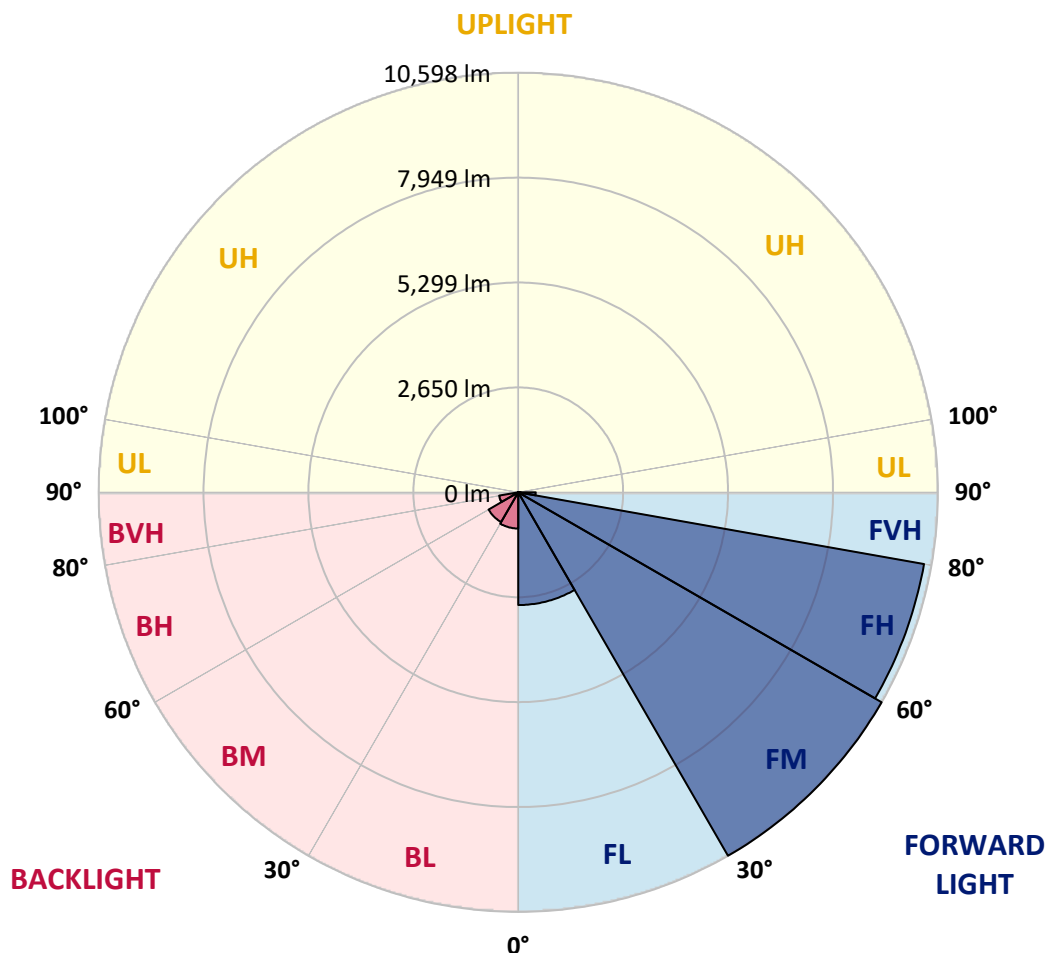


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 2846.0  | 10.7      |                         |      |          |
| FM (30°-60°)   | 10598.4 | 39.9      |                         |      |          |
| FH (60°-80°)   | 10407.0 | 39.2      |                         |      | G4/12000 |
| FVH (80°-90°)  | 443.0   | 1.7       |                         |      | G3/500   |
| BL (0°-30°)    | 913.5   | 3.4       | B2/1000                 |      |          |
| BM (30°-60°)   | 867.4   | 3.3       | B1/1000                 |      |          |
| BH (60°-80°)   | 489.0   | 1.8       | B1/500                  |      | G1/500   |
| BVH (80°-90°)  | 3.9     | 0.0       |                         |      | G0/10    |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 58°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7848.1  | 7848.1  | 7848.1  | 7848.1  | 7848.1  | 7848.1  | 7848.1  | 7848.1  | 7848.1  | 7848.1  | 7848.1  |
| 2.5°  | 8498.8  | 8477.8  | 8470.0  | 8456.8  | 8406.0  | 8356.2  | 8257.9  | 8230.3  | 8168.4  | 8021.5  | 7865.7  |
| 5°    | 8505.4  | 8504.3  | 8527.5  | 8522.0  | 8504.3  | 8481.1  | 8410.4  | 8373.9  | 8269.0  | 8059.1  | 7774.0  |
| 7.5°  | 8095.5  | 8116.5  | 8168.4  | 8210.4  | 8259.0  | 8322.0  | 8330.8  | 8295.5  | 8209.3  | 7982.8  | 7605.0  |
| 10°   | 7545.4  | 7578.5  | 7651.4  | 7734.3  | 7861.3  | 7987.3  | 8099.9  | 8095.5  | 8065.7  | 7842.5  | 7401.7  |
| 12.5° | 6994.1  | 7032.8  | 7116.7  | 7239.4  | 7419.4  | 7624.9  | 7826.0  | 7853.6  | 7903.3  | 7716.6  | 7213.9  |
| 15°   | 6511.3  | 6544.5  | 6627.3  | 6777.6  | 7000.7  | 7276.9  | 7571.9  | 7622.7  | 7750.8  | 7618.3  | 7057.1  |
| 17.5° | 6101.5  | 6122.5  | 6183.2  | 6350.0  | 6608.5  | 6943.3  | 7326.6  | 7426.1  | 7617.2  | 7540.9  | 6921.2  |
| 20°   | 5815.3  | 5818.7  | 5858.4  | 5975.5  | 6234.0  | 6608.5  | 7072.5  | 7215.0  | 7475.8  | 7474.7  | 6780.9  |
| 22.5° | 5673.9  | 5662.9  | 5670.6  | 5738.0  | 5928.0  | 6289.3  | 6818.4  | 6987.5  | 7348.7  | 7418.3  | 6638.4  |
| 25°   | 5647.4  | 5638.6  | 5616.5  | 5625.3  | 5740.2  | 6009.8  | 6562.1  | 6757.7  | 7237.1  | 7384.1  | 6514.6  |
| 27.5° | 5730.3  | 5739.1  | 5701.6  | 5661.8  | 5670.6  | 5828.6  | 6334.6  | 6561.0  | 7146.6  | 7384.1  | 6427.4  |
| 30°   | 5897.1  | 5901.5  | 5873.9  | 5822.0  | 5752.4  | 5777.8  | 6176.6  | 6403.1  | 7101.3  | 7434.9  | 6372.1  |
| 32.5° | 6081.6  | 6105.9  | 6102.6  | 6060.6  | 5961.2  | 5858.4  | 6139.0  | 6345.6  | 7097.9  | 7547.6  | 6366.6  |
| 35°   | 6310.3  | 6337.9  | 6384.3  | 6375.4  | 6271.6  | 6102.6  | 6267.2  | 6429.6  | 7163.1  | 7733.2  | 6426.3  |
| 37.5° | 6553.3  | 6595.3  | 6694.7  | 6742.2  | 6674.8  | 6483.7  | 6554.4  | 6670.4  | 7337.7  | 8033.7  | 6577.6  |
| 40°   | 6788.6  | 6836.1  | 7017.3  | 7204.0  | 7153.2  | 6956.5  | 6989.7  | 7082.5  | 7648.1  | 8465.6  | 6864.8  |
| 42.5° | 7019.5  | 7090.2  | 7356.5  | 7663.6  | 7724.3  | 7567.5  | 7585.1  | 7659.2  | 8108.8  | 9060.0  | 7334.4  |
| 45°   | 7295.7  | 7375.2  | 7769.6  | 8148.6  | 8310.9  | 8242.5  | 8317.6  | 8366.2  | 8710.9  | 9845.4  | 7967.4  |
| 47.5° | 7701.1  | 7792.8  | 8276.7  | 8708.7  | 8993.7  | 9037.9  | 9189.2  | 9221.3  | 9472.0  | 10760.2 | 8792.6  |
| 50°   | 8492.1  | 8517.5  | 8955.0  | 9347.2  | 9758.2  | 10023.3 | 10195.6 | 10219.9 | 10393.4 | 11759.9 | 9823.3  |
| 52.5° | 9487.5  | 9504.1  | 9751.5  | 10014.5 | 10481.8 | 11023.1 | 11426.3 | 11460.6 | 11497.0 | 12734.3 | 10840.8 |
| 55°   | 10476.2 | 10474.0 | 10637.5 | 10792.2 | 11326.9 | 12113.5 | 12988.4 | 13009.4 | 12747.6 | 13659.0 | 11618.5 |
| 57.5° | 11093.8 | 11153.4 | 11402.0 | 11600.9 | 12347.7 | 13356.3 | 14570.4 | 14647.7 | 14061.1 | 14343.9 | 12387.4 |
| 60°   | 10897.1 | 10925.9 | 11477.1 | 12212.9 | 13619.2 | 15122.8 | 16171.2 | 16191.0 | 15048.7 | 15027.8 | 13359.6 |
| 62.5° | 9284.2  | 9299.7  | 10165.8 | 11682.6 | 14263.3 | 17414.0 | 18102.2 | 17778.6 | 16184.4 | 15976.7 | 14522.9 |
| 65°   | 6363.3  | 6463.8  | 7187.4  | 9062.2  | 13080.1 | 18851.3 | 21091.7 | 20555.9 | 17915.5 | 17344.4 | 15574.6 |
| 67.5° | 3747.3  | 3726.3  | 4084.2  | 5465.1  | 9606.8  | 17896.8 | 24873.2 | 24340.7 | 20276.4 | 18260.2 | 15266.4 |
| 70°   | 2559.7  | 2545.3  | 2682.3  | 3308.7  | 5423.2  | 13883.2 | 26063.0 | 27137.9 | 22361.0 | 17643.8 | 13138.7 |
| 72.5° | 1827.2  | 1835.0  | 2037.1  | 2570.7  | 3404.8  | 8088.9  | 22412.9 | 24957.1 | 21708.1 | 15381.3 | 9986.8  |
| 75°   | 1240.6  | 1261.6  | 1551.1  | 2108.9  | 2985.0  | 4115.2  | 15904.9 | 18971.7 | 17676.9 | 11178.8 | 5740.2  |
| 77.5° | 667.3   | 690.5   | 1031.8  | 1699.1  | 2698.9  | 2859.1  | 10231.0 | 13056.9 | 11103.7 | 5025.5  | 1663.7  |
| 80°   | 278.4   | 291.7   | 482.8   | 1235.1  | 2332.1  | 2511.1  | 6019.7  | 7917.7  | 4731.6  | 991.0   | 371.2   |
| 82.5° | 120.4   | 127.0   | 201.1   | 736.9   | 1743.3  | 2120.0  | 3187.2  | 3809.1  | 1434.0  | 217.6   | 186.7   |
| 85°   | 23.2    | 24.3    | 82.9    | 390.0   | 1112.5  | 1196.4  | 2065.9  | 2025.0  | 644.1   | 93.9    | 135.9   |
| 87.5° | 0.0     | 0.0     | 19.9    | 122.6   | 327.0   | 651.8   | 1260.5  | 1245.0  | 218.7   | 45.3    | 50.8    |
| 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°    | 7848.1  | 7848.1 | 7848.1 | 7848.1 | 7848.1 | 7848.1 | 7848.1 | 7848.1 | 7848.1 | 7848.1 | 7848.1 |
| 2.5°  | 7786.2  | 7710.0 | 7549.8 | 7352.0 | 7200.7 | 7033.9 | 6901.3 | 6733.4 | 6660.5 | 6663.8 | 6624.0 |
| 5°    | 7611.6  | 7454.8 | 7100.2 | 6652.7 | 6308.1 | 5952.3 | 5646.3 | 5341.4 | 5161.3 | 5102.8 | 5047.5 |
| 7.5°  | 7362.0  | 7113.4 | 6547.8 | 5858.4 | 5275.1 | 4705.1 | 4209.1 | 3772.7 | 3496.5 | 3361.7 | 3312.0 |
| 10°   | 7080.3  | 6731.2 | 5912.6 | 5004.5 | 4171.5 | 3400.4 | 2757.4 | 2198.4 | 1975.3 | 1823.9 | 1785.3 |
| 12.5° | 6832.8  | 6360.0 | 5291.7 | 4128.4 | 3139.7 | 2209.5 | 1596.3 | 1248.4 | 1097.0 | 1037.3 | 1027.4 |
| 15°   | 6599.7  | 6013.1 | 4694.0 | 3335.2 | 2174.1 | 1359.9 | 1015.3 | 897.0  | 861.7  | 851.8  | 851.8  |
| 17.5° | 6379.9  | 5682.8 | 4109.6 | 2554.2 | 1438.4 | 953.4  | 840.7  | 814.2  | 803.1  | 802.0  | 803.1  |
| 20°   | 6150.1  | 5352.5 | 3535.2 | 1871.4 | 1004.2 | 807.6  | 776.6  | 762.3  | 759.0  | 759.0  | 759.0  |
| 22.5° | 5930.2  | 5022.1 | 2976.2 | 1336.7 | 805.4  | 736.9  | 721.4  | 711.5  | 708.1  | 707.0  | 704.8  |
| 25°   | 5719.2  | 4708.4 | 2430.4 | 944.6  | 707.0  | 675.0  | 661.7  | 648.5  | 638.5  | 633.0  | 629.7  |
| 27.5° | 5545.8  | 4428.9 | 1922.2 | 757.9  | 638.5  | 610.9  | 594.3  | 574.5  | 550.2  | 539.1  | 534.7  |
| 30°   | 5407.7  | 4173.7 | 1481.5 | 639.6  | 574.5  | 546.8  | 521.4  | 487.2  | 451.8  | 433.1  | 432.0  |
| 32.5° | 5299.4  | 3922.9 | 1124.6 | 565.6  | 517.0  | 482.8  | 446.3  | 403.2  | 362.4  | 341.4  | 340.3  |
| 35°   | 5246.4  | 3702.0 | 859.5  | 511.5  | 466.2  | 423.1  | 377.8  | 330.3  | 290.5  | 270.7  | 268.5  |
| 37.5° | 5281.8  | 3515.3 | 670.6  | 466.2  | 423.1  | 373.4  | 320.4  | 270.7  | 235.3  | 217.6  | 216.5  |
| 40°   | 5411.0  | 3396.0 | 544.6  | 427.5  | 386.7  | 325.9  | 268.5  | 222.1  | 192.2  | 177.9  | 176.8  |
| 42.5° | 5686.1  | 3351.8 | 465.1  | 395.5  | 351.3  | 281.7  | 223.2  | 183.4  | 155.8  | 145.8  | 143.6  |
| 45°   | 6145.7  | 3417.0 | 411.0  | 364.6  | 314.9  | 239.7  | 184.5  | 150.2  | 125.9  | 118.2  | 117.1  |
| 47.5° | 6757.7  | 3588.2 | 372.3  | 334.7  | 281.7  | 202.2  | 153.6  | 121.5  | 102.7  | 95.0   | 93.9   |
| 50°   | 7546.5  | 3860.0 | 340.3  | 304.9  | 250.8  | 171.2  | 127.0  | 96.1   | 79.5   | 74.0   | 74.0   |
| 52.5° | 8404.8  | 4183.6 | 311.5  | 277.3  | 219.8  | 142.5  | 102.7  | 74.0   | 63.0   | 56.3   | 56.3   |
| 55°   | 9114.1  | 4466.5 | 280.6  | 256.3  | 182.3  | 118.2  | 78.4   | 56.3   | 46.4   | 43.1   | 43.1   |
| 57.5° | 9822.2  | 4768.1 | 245.3  | 219.8  | 145.8  | 96.1   | 59.7   | 42.0   | 34.2   | 32.0   | 32.0   |
| 60°   | 10740.3 | 5137.0 | 211.0  | 179.0  | 114.9  | 72.9   | 44.2   | 29.8   | 25.4   | 24.3   | 24.3   |
| 62.5° | 11750.0 | 5353.6 | 180.1  | 143.6  | 89.5   | 54.1   | 32.0   | 19.9   | 18.8   | 18.8   | 17.7   |
| 65°   | 12367.5 | 5047.5 | 151.3  | 114.9  | 69.6   | 40.9   | 21.0   | 14.4   | 16.6   | 15.5   | 13.3   |
| 67.5° | 11579.9 | 3951.6 | 123.7  | 89.5   | 54.1   | 30.9   | 13.3   | 9.9    | 17.7   | 14.4   | 11.0   |
| 70°   | 9588.0  | 2766.3 | 96.1   | 63.0   | 43.1   | 26.5   | 8.8    | 6.6    | 18.8   | 14.4   | 8.8    |
| 72.5° | 7175.3  | 1851.5 | 76.2   | 42.0   | 32.0   | 23.2   | 7.7    | 3.3    | 16.6   | 12.2   | 7.7    |
| 75°   | 3920.7  | 745.7  | 60.8   | 26.5   | 19.9   | 16.6   | 5.5    | 2.2    | 11.0   | 8.8    | 5.5    |
| 77.5° | 1031.8  | 196.6  | 44.2   | 17.7   | 11.0   | 6.6    | 3.3    | 1.1    | 5.5    | 4.4    | 2.2    |
| 80°   | 262.9   | 76.2   | 28.7   | 12.2   | 7.7    | 3.3    | 0.0    | 0.0    | 1.1    | 0.0    | 0.0    |
| 82.5° | 140.3   | 32.0   | 17.7   | 8.8    | 4.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 106.1   | 21.0   | 9.9    | 5.5    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 40.9    | 6.6    | 3.3    | 0.0    | 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)