

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: P652955

Luminaire Tested: **GLAN-SA6C-840-U-T2-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26210.6 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G4

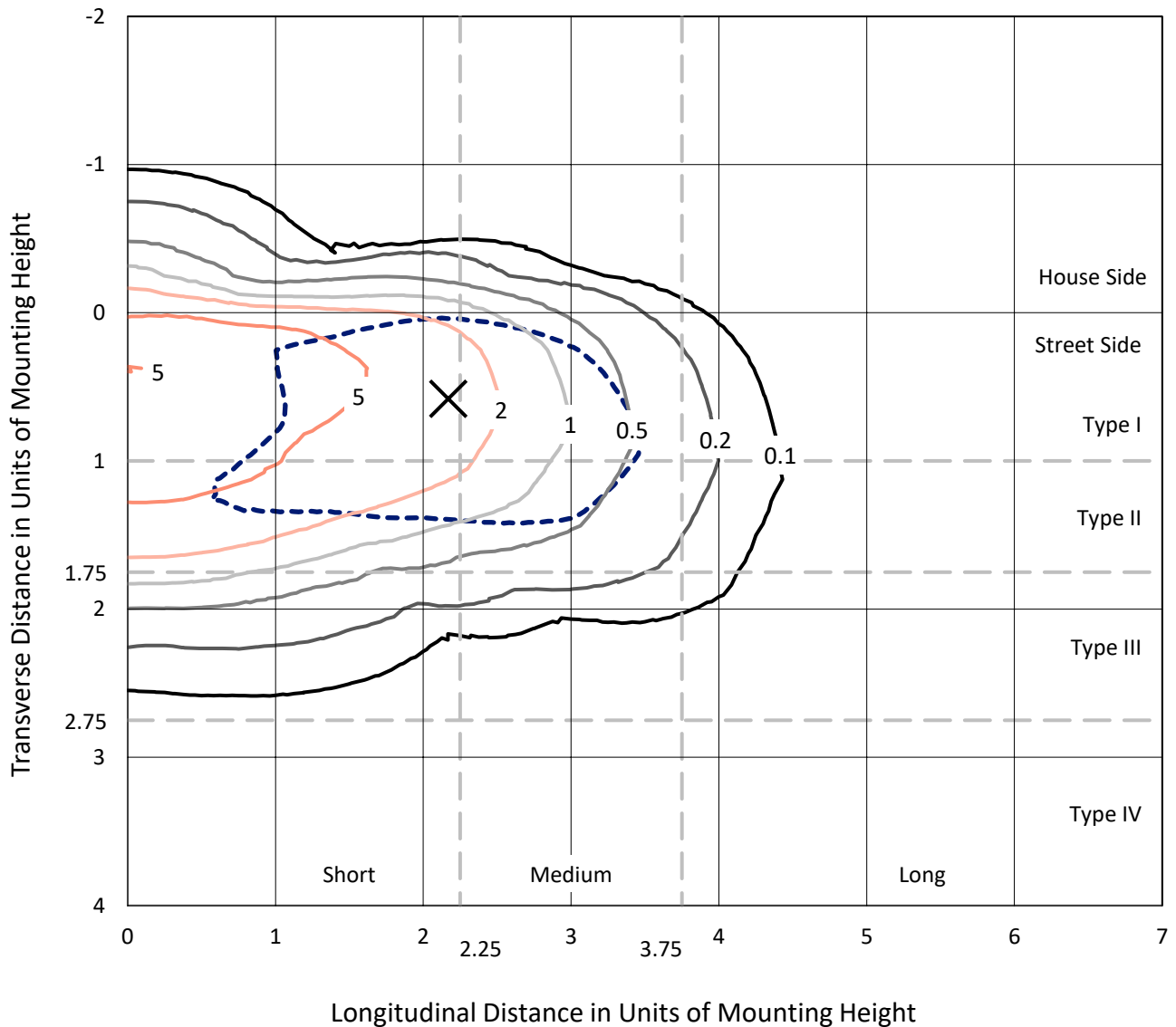
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

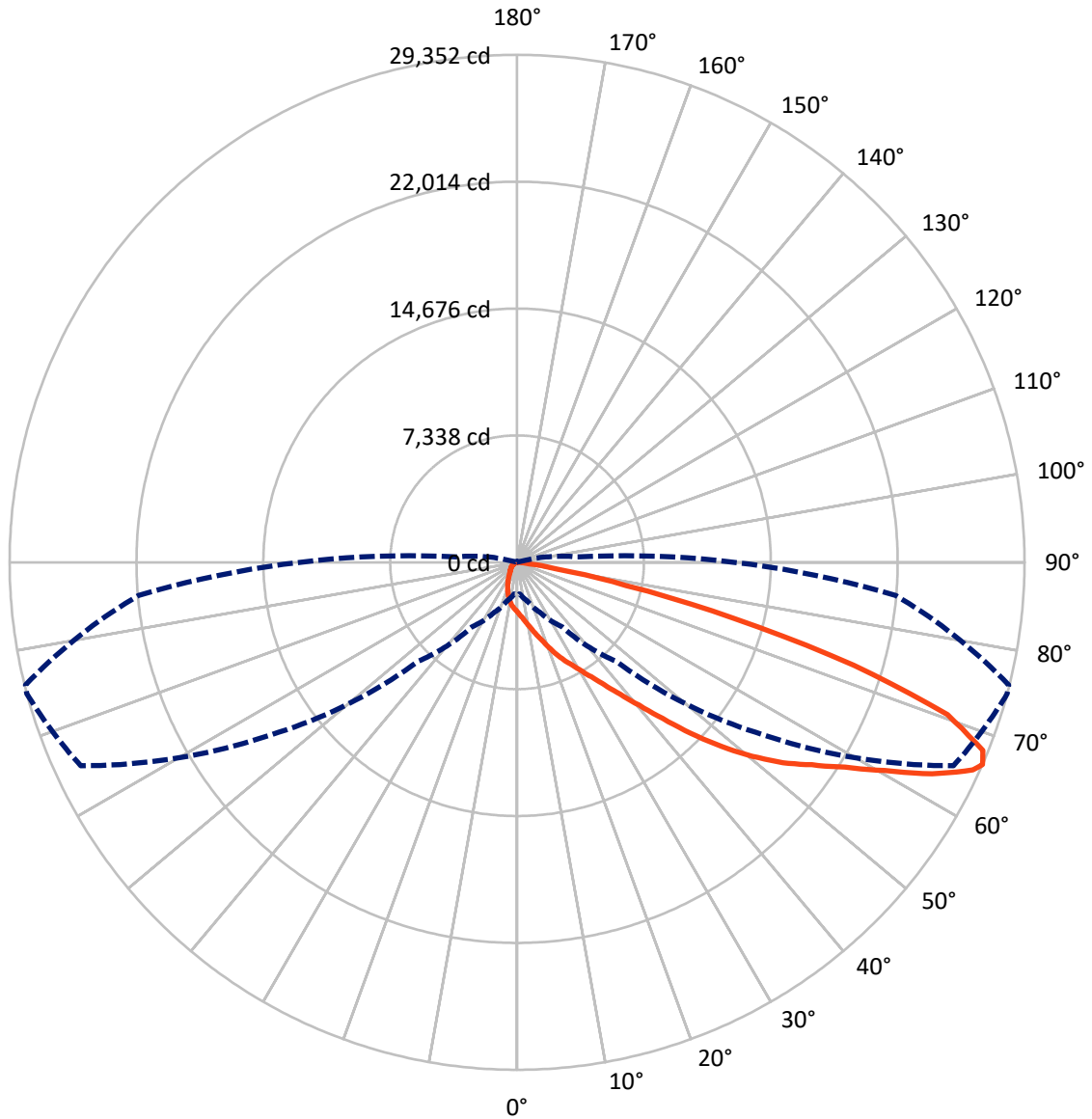
✕ Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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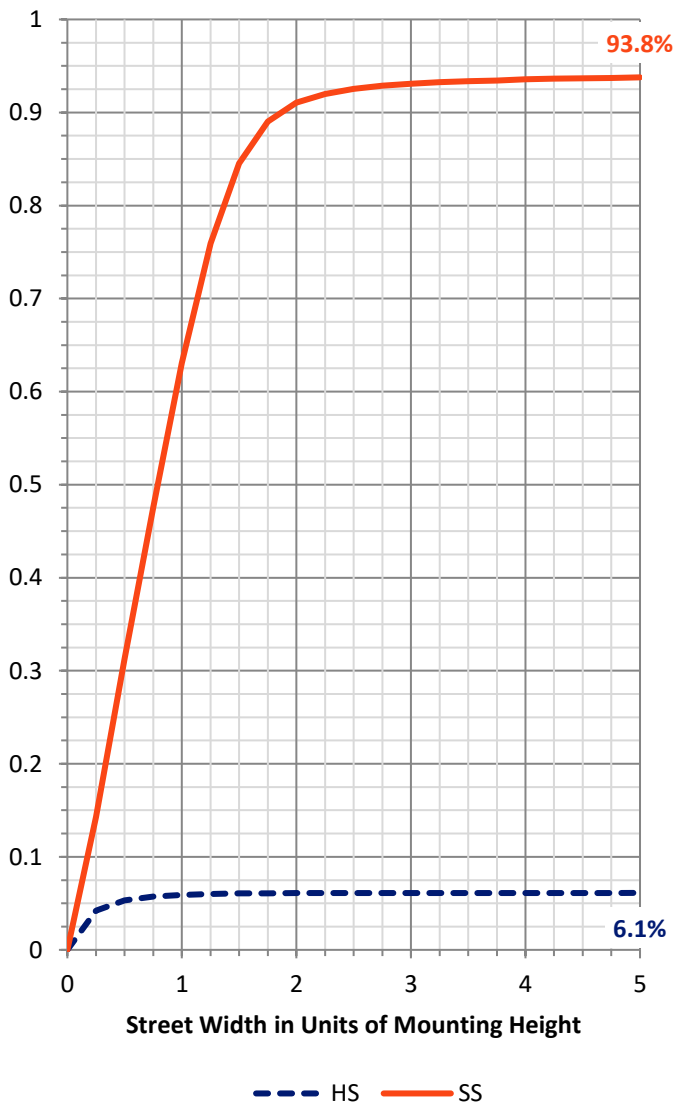
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1618.1   | 0.0    | 1618.1  |
|                    | % Fixture | 6.2      | 0.0    | 6.2     |
| <b>Street Side</b> | Lumens    | 24592.5  | 0.0    | 24592.5 |
|                    | % Fixture | 93.8     | 0.0    | 93.8    |
| <b>Total</b>       | Lumens    | 26210.6  | 0.0    | 26210.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 276.5   | 1.1       |
| 10°-20°   | 813.7   | 3.1       |
| 20°-30°   | 1405.0  | 5.4       |
| 30°-40°   | 2534.3  | 9.7       |
| 40°-50°   | 4578.4  | 17.5      |
| 50°-60°   | 7137.7  | 27.2      |
| 60°-70°   | 6780.5  | 25.9      |
| 70°-80°   | 2541.2  | 9.7       |
| 80°-90°   | 143.4   | 0.5       |
| 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°    | 26210.6 | 100.0     |
| 0°-180°   | 26210.6 | 100.0     |

**Coefficient of Utilization**

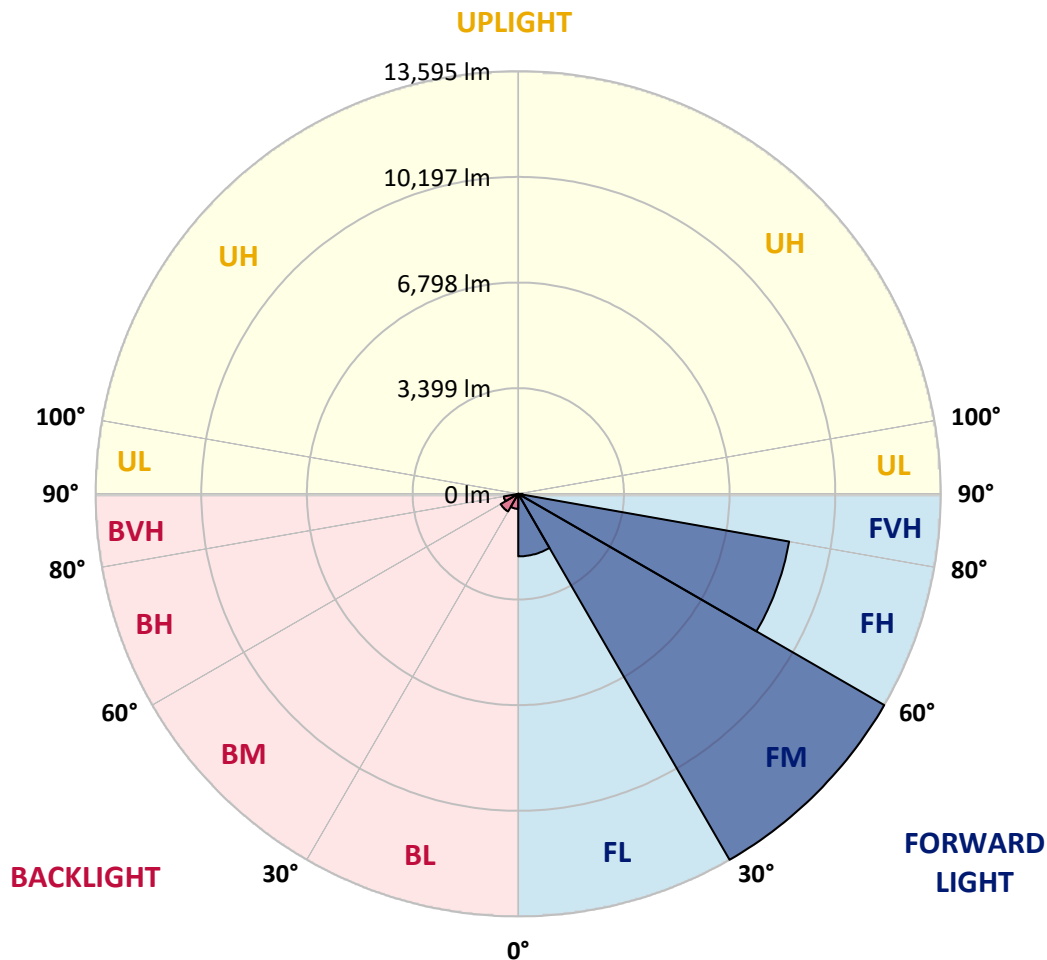


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 2011.9  | 7.7       |                         |      |          |
| FM (30°-60°)   | 13595.4 | 51.9      |                         |      |          |
| FH (60°-80°)   | 8849.2  | 33.8      |                         |      | G4/12000 |
| FVH (80°-90°)  | 136.0   | 0.5       |                         |      | G2/225   |
| BL (0°-30°)    | 483.2   | 1.8       | B1/500                  |      |          |
| BM (30°-60°)   | 655.0   | 2.5       | B1/1000                 |      |          |
| BH (60°-80°)   | 472.5   | 1.8       | B1/500                  |      | G1/500   |
| BVH (80°-90°)  | 7.4     | 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-G4**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2866.4  | 2866.4  | 2866.4  | 2866.4  | 2866.4  | 2866.4  | 2866.4  | 2866.4  | 2866.4  | 2866.4  | 2866.4  |
| 2.5°  | 3424.6  | 3381.9  | 3395.5  | 3376.1  | 3331.5  | 3265.6  | 3207.5  | 3124.1  | 3040.8  | 3027.3  | 2934.2  |
| 5°    | 3876.1  | 3864.5  | 3849.0  | 3792.7  | 3761.8  | 3661.0  | 3540.9  | 3397.4  | 3224.9  | 3193.9  | 3025.3  |
| 7.5°  | 4184.2  | 4178.4  | 4186.2  | 4157.1  | 4130.0  | 4038.9  | 3911.0  | 3715.3  | 3447.8  | 3430.4  | 3149.4  |
| 10°   | 4285.1  | 4300.5  | 4329.6  | 4376.1  | 4418.8  | 4389.7  | 4292.8  | 4048.6  | 3736.6  | 3686.2  | 3290.8  |
| 12.5° | 4226.9  | 4244.4  | 4314.1  | 4438.1  | 4575.8  | 4655.2  | 4616.4  | 4438.1  | 4042.8  | 4002.1  | 3449.8  |
| 15°   | 4077.7  | 4099.0  | 4197.9  | 4389.7  | 4635.8  | 4860.6  | 4957.5  | 4829.6  | 4399.4  | 4333.5  | 3641.6  |
| 17.5° | 3856.7  | 3887.8  | 4029.2  | 4283.1  | 4620.4  | 5007.9  | 5281.2  | 5238.6  | 4779.2  | 4717.3  | 3850.9  |
| 20°   | 3690.1  | 3713.4  | 3833.4  | 4124.2  | 4554.4  | 5089.3  | 5589.4  | 5709.5  | 5248.3  | 5141.7  | 4097.0  |
| 22.5° | 3800.6  | 3808.3  | 3849.0  | 4023.4  | 4436.2  | 5110.7  | 5860.7  | 6199.9  | 5746.4  | 5651.4  | 4352.8  |
| 25°   | 4341.2  | 4263.7  | 4223.0  | 4184.2  | 4411.0  | 5091.2  | 6106.8  | 6711.5  | 6242.5  | 6141.7  | 4606.7  |
| 27.5° | 5194.0  | 5159.1  | 4953.7  | 4678.5  | 4626.2  | 5116.5  | 6269.7  | 7196.0  | 6709.6  | 6601.0  | 4854.8  |
| 30°   | 6122.3  | 6062.3  | 5936.3  | 5533.2  | 5128.1  | 5294.8  | 6387.8  | 7667.0  | 7261.9  | 7118.5  | 5081.6  |
| 32.5° | 6975.1  | 7013.9  | 6825.8  | 6411.1  | 5942.1  | 5674.6  | 6541.0  | 8180.6  | 7895.6  | 7717.4  | 5345.1  |
| 35°   | 7969.3  | 8046.9  | 7758.1  | 7360.8  | 6812.3  | 6360.7  | 6839.4  | 8760.0  | 8700.0  | 8475.1  | 5752.2  |
| 37.5° | 8979.0  | 9025.5  | 8849.2  | 8291.0  | 7796.8  | 7232.9  | 7401.5  | 9475.2  | 9690.3  | 9498.4  | 6238.6  |
| 40°   | 9827.9  | 9891.8  | 9762.0  | 9265.9  | 8738.7  | 8242.6  | 8217.4  | 10254.2 | 10868.7 | 10670.9 | 6963.5  |
| 42.5° | 10477.2 | 10525.6 | 10529.5 | 10178.7 | 9703.9  | 9479.1  | 9258.1  | 11248.5 | 12345.5 | 12116.7 | 7804.6  |
| 45°   | 11297.0 | 11366.7 | 11326.0 | 11087.7 | 10733.0 | 10692.3 | 10577.9 | 12450.1 | 14112.9 | 13824.2 | 8895.7  |
| 47.5° | 12564.5 | 12611.0 | 12510.1 | 12229.1 | 11868.7 | 11932.6 | 11864.8 | 13797.0 | 15915.3 | 15667.2 | 10025.6 |
| 50°   | 13444.3 | 13521.9 | 13665.2 | 13777.7 | 13516.0 | 13279.6 | 13078.1 | 15054.8 | 17626.6 | 17403.7 | 11180.7 |
| 52.5° | 13434.6 | 13562.6 | 14016.0 | 14581.9 | 15153.6 | 15082.0 | 14502.5 | 16444.4 | 19260.4 | 18985.2 | 12266.0 |
| 55°   | 12529.6 | 12777.6 | 13444.3 | 14448.2 | 16031.6 | 16820.4 | 16556.9 | 18053.0 | 20671.4 | 20485.2 | 13523.8 |
| 57.5° | 10661.3 | 10812.4 | 11738.8 | 13142.0 | 15541.3 | 17638.3 | 18936.8 | 20233.4 | 22363.3 | 22276.1 | 15477.3 |
| 60°   | 7170.8  | 7238.7  | 8430.5  | 10165.1 | 13231.1 | 16822.4 | 20681.0 | 22871.0 | 24446.7 | 24404.1 | 17758.5 |
| 62.5° | 4108.7  | 4137.7  | 5002.1  | 6465.4  | 9415.1  | 14256.4 | 20828.3 | 26125.0 | 26944.8 | 26968.1 | 20398.0 |
| 65°   | 2211.3  | 2226.8  | 2924.5  | 3794.8  | 5728.9  | 10161.2 | 18729.4 | 27908.1 | 28964.3 | 29008.9 | 22033.8 |
| 66°   | 1909.0  | 1835.3  | 2327.6  | 3234.7  | 4558.3  | 8087.6  | 17401.8 | 27844.1 | 29351.9 | 29303.5 | 21975.7 |
| 67.5° | 1451.6  | 1517.5  | 1858.6  | 2486.5  | 3378.0  | 5750.3  | 14366.8 | 26605.7 | 29057.3 | 28906.2 | 21082.2 |
| 70°   | 1038.8  | 1066.0  | 1323.7  | 1773.3  | 2300.5  | 3155.2  | 9180.6  | 22097.8 | 26409.9 | 26206.4 | 18367.0 |
| 72.5° | 670.5   | 699.6   | 938.1   | 1283.0  | 1662.8  | 1723.0  | 5139.8  | 15965.7 | 20361.3 | 20332.2 | 13831.9 |
| 75°   | 478.7   | 505.9   | 620.2   | 918.6   | 1250.1  | 1066.0  | 2474.9  | 10760.1 | 12944.3 | 12857.0 | 8556.5  |
| 77.5° | 346.9   | 360.5   | 414.8   | 600.8   | 893.5   | 763.6   | 1147.3  | 5746.4  | 6444.1  | 6748.4  | 3781.1  |
| 80°   | 199.7   | 211.3   | 288.8   | 366.3   | 604.7   | 521.3   | 548.5   | 2306.3  | 2378.0  | 2263.6  | 1182.2  |
| 82.5° | 98.8    | 112.4   | 172.5   | 250.0   | 377.9   | 350.8   | 252.0   | 693.8   | 732.6   | 713.2   | 298.5   |
| 85°   | 23.3    | 29.1    | 96.9    | 164.8   | 184.1   | 157.0   | 122.1   | 203.5   | 252.0   | 246.2   | 114.4   |
| 87.5° | 1.9     | 3.9     | 34.9    | 29.1    | 31.0    | 52.3    | 42.6    | 52.3    | 81.4    | 75.6    | 40.7    |
| 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°    | 2866.4  | 2866.4 | 2866.4 | 2866.4 | 2866.4 | 2866.4 | 2866.4 | 2866.4 | 2866.4 | 2866.4 | 2866.4 |
| 2.5°  | 2891.6  | 2854.8 | 2748.1 | 2643.5 | 2556.3 | 2465.2 | 2381.9 | 2333.4 | 2314.0 | 2292.7 | 2302.4 |
| 5°    | 2932.3  | 2843.2 | 2628.0 | 2441.9 | 2259.8 | 2104.8 | 1980.7 | 1901.2 | 1862.5 | 1856.7 | 1847.0 |
| 7.5°  | 2986.6  | 2833.4 | 2500.1 | 2209.4 | 1971.0 | 1798.5 | 1657.0 | 1542.7 | 1507.8 | 1476.8 | 1451.6 |
| 10°   | 3052.4  | 2816.0 | 2341.2 | 1965.2 | 1711.3 | 1494.2 | 1308.2 | 1172.5 | 1102.7 | 1083.4 | 1096.9 |
| 12.5° | 3122.2  | 2783.0 | 2174.5 | 1740.4 | 1447.7 | 1170.6 | 998.1  | 930.2  | 910.9  | 903.1  | 905.1  |
| 15°   | 3192.0  | 2742.3 | 2000.1 | 1523.3 | 1153.2 | 934.2  | 854.7  | 837.2  | 829.5  | 825.6  | 821.7  |
| 17.5° | 3255.9  | 2676.5 | 1804.4 | 1312.0 | 934.2  | 798.4  | 769.4  | 753.9  | 738.4  | 732.6  | 722.9  |
| 20°   | 3331.5  | 2600.9 | 1628.0 | 1075.6 | 790.7  | 722.9  | 688.0  | 658.9  | 635.7  | 620.2  | 618.2  |
| 22.5° | 3403.2  | 2504.0 | 1443.8 | 891.5  | 721.0  | 649.3  | 593.1  | 562.0  | 534.9  | 515.5  | 521.3  |
| 25°   | 3442.0  | 2385.7 | 1279.1 | 777.2  | 657.0  | 575.6  | 513.6  | 474.8  | 445.7  | 436.1  | 434.1  |
| 27.5° | 3442.0  | 2240.4 | 1118.3 | 711.2  | 598.9  | 509.7  | 445.7  | 408.9  | 389.6  | 376.0  | 377.9  |
| 30°   | 3414.9  | 2079.5 | 969.0  | 660.9  | 548.5  | 451.5  | 391.5  | 358.5  | 343.0  | 333.4  | 331.4  |
| 32.5° | 3393.5  | 1926.4 | 841.1  | 612.4  | 496.1  | 401.2  | 348.8  | 323.6  | 308.1  | 298.5  | 298.5  |
| 35°   | 3426.5  | 1794.6 | 742.3  | 564.0  | 447.7  | 362.4  | 315.9  | 292.7  | 277.1  | 269.4  | 267.4  |
| 37.5° | 3513.7  | 1674.5 | 666.7  | 511.7  | 403.1  | 329.5  | 292.7  | 265.5  | 250.0  | 240.4  | 236.4  |
| 40°   | 3728.8  | 1606.6 | 610.5  | 463.2  | 360.5  | 302.3  | 265.5  | 240.4  | 220.9  | 211.3  | 209.3  |
| 42.5° | 4073.8  | 1608.6 | 556.2  | 418.6  | 327.6  | 279.0  | 242.3  | 213.2  | 191.8  | 182.2  | 180.2  |
| 45°   | 4593.2  | 1682.3 | 513.6  | 376.0  | 298.5  | 253.9  | 217.1  | 186.0  | 166.7  | 157.0  | 157.0  |
| 47.5° | 5215.3  | 1825.6 | 476.8  | 339.2  | 271.3  | 230.6  | 191.8  | 160.9  | 141.5  | 133.7  | 133.7  |
| 50°   | 5889.8  | 2011.7 | 439.9  | 300.4  | 248.1  | 205.5  | 164.8  | 139.5  | 124.0  | 118.2  | 118.2  |
| 52.5° | 6577.8  | 2236.6 | 403.1  | 269.4  | 222.9  | 178.3  | 141.5  | 124.0  | 110.5  | 106.6  | 104.6  |
| 55°   | 7480.9  | 2523.3 | 364.3  | 236.4  | 195.8  | 153.1  | 126.0  | 108.6  | 93.0   | 87.2   | 85.3   |
| 57.5° | 8870.5  | 2955.5 | 321.7  | 207.4  | 160.9  | 127.9  | 108.6  | 91.1   | 73.7   | 63.9   | 62.0   |
| 60°   | 10546.9 | 3482.7 | 277.1  | 182.2  | 129.9  | 104.6  | 87.2   | 69.8   | 54.2   | 42.6   | 40.7   |
| 62.5° | 12116.7 | 3818.0 | 234.5  | 153.1  | 102.7  | 79.5   | 62.0   | 52.3   | 38.8   | 27.2   | 25.2   |
| 65°   | 12810.5 | 3705.5 | 193.8  | 124.0  | 81.4   | 56.2   | 40.7   | 36.8   | 23.3   | 11.6   | 9.7    |
| 66°   | 12579.9 | 3538.9 | 178.3  | 112.4  | 73.7   | 48.4   | 34.9   | 31.0   | 17.4   | 5.8    | 5.8    |
| 67.5° | 11899.6 | 3145.5 | 155.1  | 96.9   | 63.9   | 38.8   | 27.2   | 23.3   | 9.7    | 1.9    | 0.0    |
| 70°   | 10196.1 | 2544.7 | 122.1  | 71.7   | 46.5   | 27.2   | 15.5   | 11.6   | 5.8    | 0.0    | 0.0    |
| 72.5° | 7831.7  | 1895.4 | 96.9   | 54.2   | 33.0   | 15.5   | 7.7    | 3.9    | 5.8    | 0.0    | 0.0    |
| 75°   | 4798.7  | 1083.4 | 75.6   | 40.7   | 21.3   | 9.7    | 5.8    | 0.0    | 5.8    | 1.9    | 0.0    |
| 77.5° | 2129.9  | 486.4  | 50.4   | 27.2   | 15.5   | 7.7    | 3.9    | 0.0    | 3.9    | 1.9    | 0.0    |
| 80°   | 538.7   | 158.9  | 29.1   | 19.3   | 11.6   | 5.8    | 1.9    | 0.0    | 3.9    | 3.9    | 1.9    |
| 82.5° | 147.3   | 58.1   | 21.3   | 15.5   | 9.7    | 5.8    | 1.9    | 0.0    | 3.9    | 3.9    | 3.9    |
| 85°   | 58.1    | 27.2   | 19.3   | 15.5   | 11.6   | 5.8    | 1.9    | 0.0    | 3.9    | 3.9    | 3.9    |
| 87.5° | 27.2    | 19.3   | 19.3   | 17.4   | 13.5   | 5.8    | 1.9    | 0.0    | 3.9    | 1.9    | 3.9    |
| 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)