

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: P455056

Luminaire Tested: **GLAN-SA6B-722-U-T3R-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455056  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-722-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19420 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

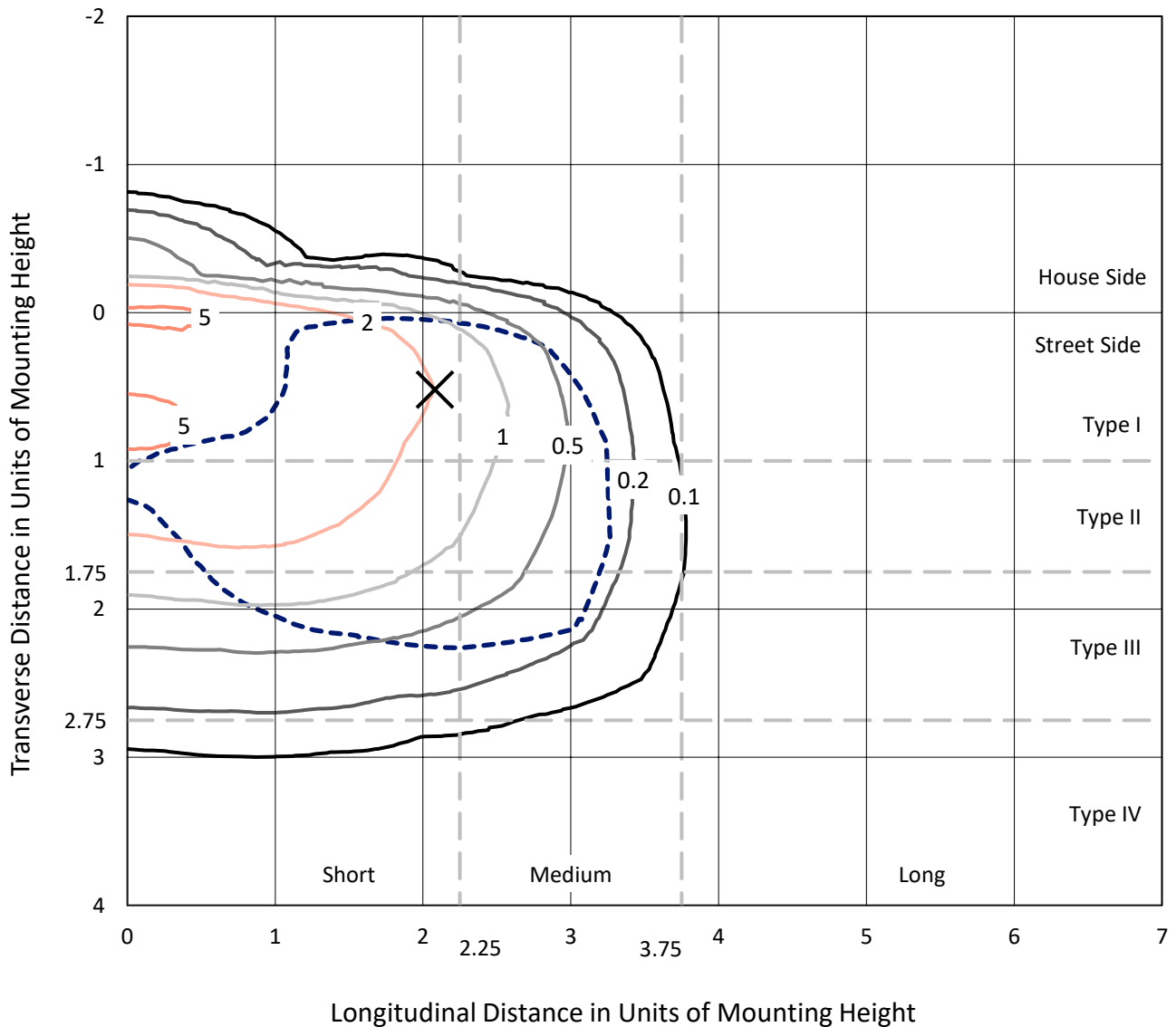
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

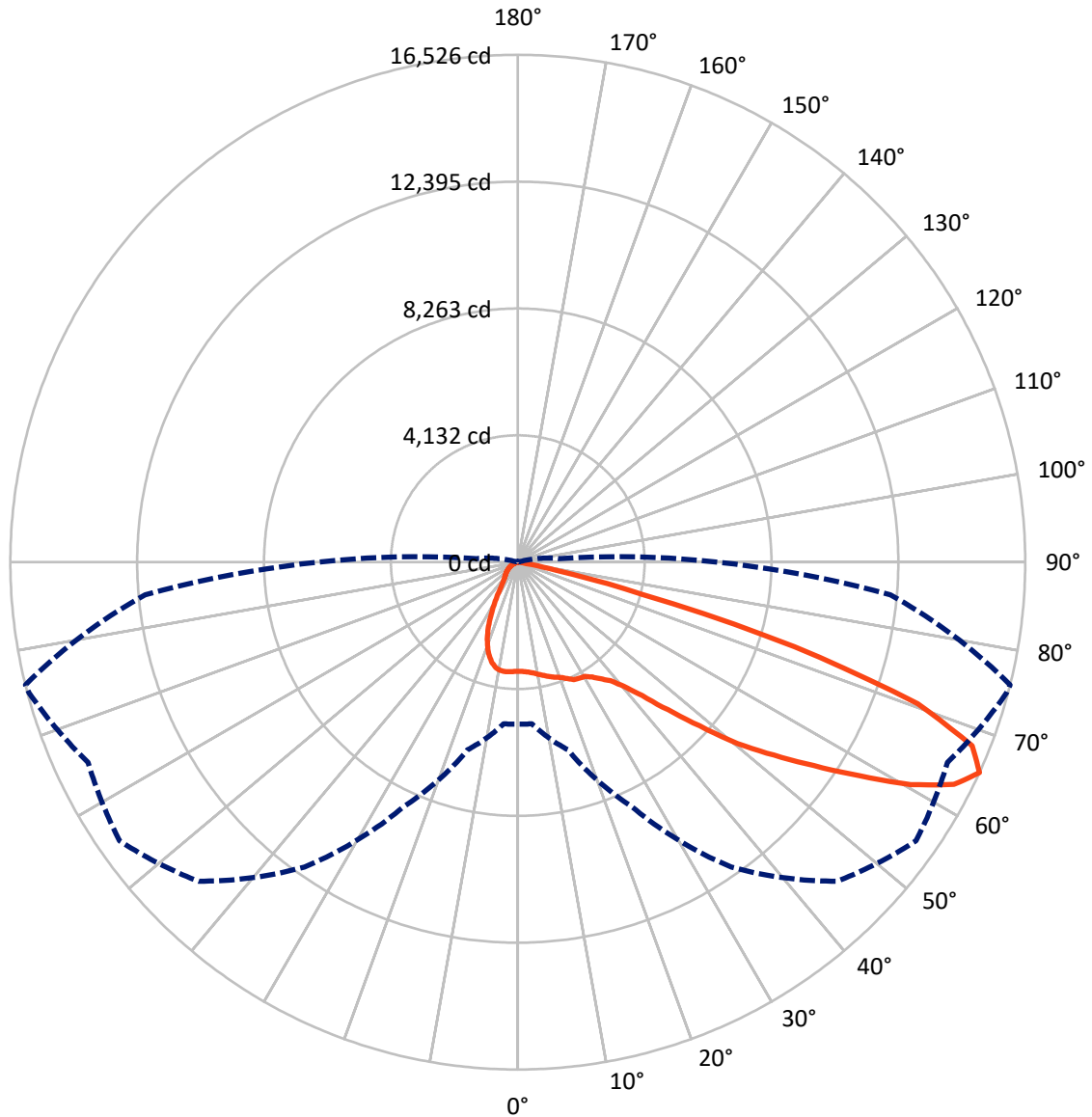
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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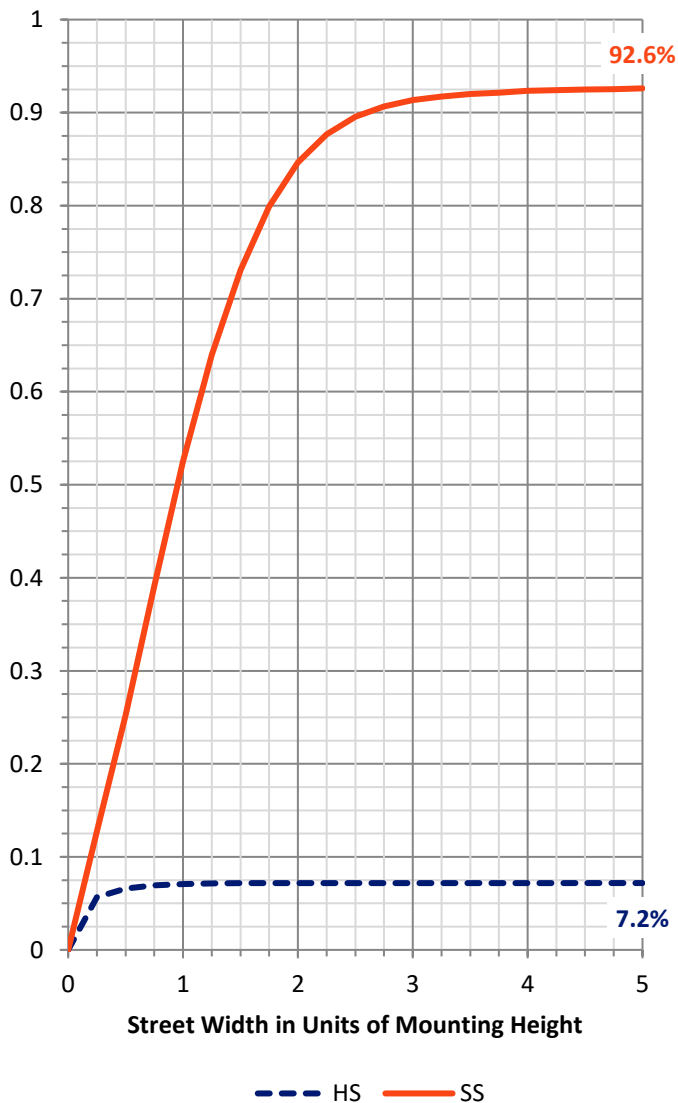
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1402.5   | 0.0    | 1402.5  |
|                    | % Fixture | 7.2      | 0.0    | 7.2     |
| <b>Street Side</b> | Lumens    | 18017.5  | 0.0    | 18017.5 |
|                    | % Fixture | 92.8     | 0.0    | 92.8    |
| <b>Total</b>       | Lumens    | 19420.0  | 0.0    | 19420.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 292.6   | 1.5       |
| 10°-20°   | 651.6   | 3.4       |
| 20°-30°   | 1050.0  | 5.4       |
| 30°-40°   | 1825.7  | 9.4       |
| 40°-50°   | 3016.8  | 15.5      |
| 50°-60°   | 4660.4  | 24.0      |
| 60°-70°   | 5691.0  | 29.3      |
| 70°-80°   | 2159.9  | 11.1      |
| 80°-90°   | 72.1    | 0.4       |
| 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°    | 19420.0 | 100.0     |
| 0°-180°   | 19420.0 | 100.0     |

**Coefficient of Utilization**



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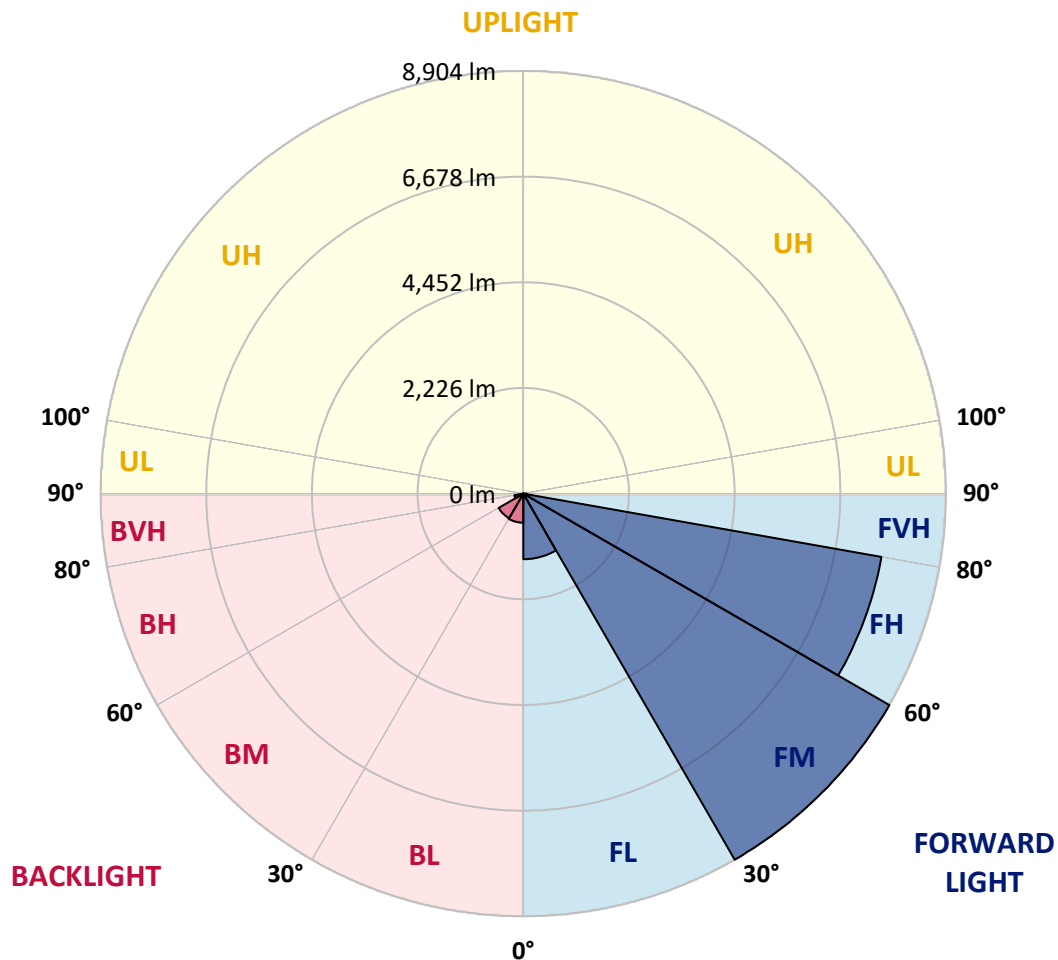
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|--------|-----------|-------------------------|------|----------|
|                |        |           | B                       | U    | G        |
| FL (0°-30°)    | 1381.5 | 7.1       |                         |      |          |
| FM (30°-60°)   | 8904.4 | 45.9      |                         |      |          |
| FH (60°-80°)   | 7660.5 | 39.4      |                         |      | G4/12000 |
| FVH (80°-90°)  | 71.1   | 0.4       |                         |      | G1/100   |
| BL (0°-30°)    | 612.7  | 3.2       | B2/1000                 |      |          |
| BM (30°-60°)   | 598.5  | 3.1       | B1/1000                 |      |          |
| BH (60°-80°)   | 190.3  | 1.0       | B1/500                  |      | G1/500   |
| BVH (80°-90°)  | 1.0    | 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 Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     | 85°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3552.5 | 3552.5 | 3552.5 | 3552.5  | 3552.5  | 3552.5  | 3552.5  | 3552.5  | 3552.5  | 3552.5  | 3552.5  |
| 2.5°  | 3394.9 | 3396.2 | 3404.5 | 3425.0  | 3456.6  | 3482.6  | 3504.5  | 3540.2  | 3564.9  | 3567.6  | 3575.8  |
| 5°    | 3160.4 | 3143.9 | 3160.4 | 3213.9  | 3261.9  | 3334.5  | 3423.7  | 3512.8  | 3592.3  | 3597.8  | 3636.2  |
| 7.5°  | 2897.1 | 2910.9 | 2936.9 | 2991.8  | 3082.2  | 3193.3  | 3322.2  | 3481.2  | 3632.1  | 3645.8  | 3721.2  |
| 10°   | 2629.8 | 2659.9 | 2702.5 | 2786.1  | 2912.2  | 3056.2  | 3231.7  | 3459.3  | 3695.1  | 3714.3  | 3844.6  |
| 12.5° | 2383.0 | 2396.7 | 2448.8 | 2561.2  | 2717.5  | 2920.5  | 3163.1  | 3447.0  | 3765.1  | 3788.4  | 3976.2  |
| 15°   | 2193.8 | 2211.6 | 2256.8 | 2358.3  | 2532.4  | 2792.9  | 3106.9  | 3442.8  | 3833.6  | 3866.5  | 4107.8  |
| 17.5° | 2158.1 | 2169.1 | 2188.3 | 2256.8  | 2409.0  | 2691.5  | 3056.2  | 3441.5  | 3899.4  | 3939.2  | 4229.9  |
| 20°   | 2304.8 | 2295.2 | 2276.0 | 2269.2  | 2352.8  | 2613.3  | 3019.2  | 3452.4  | 3962.5  | 4007.7  | 4358.7  |
| 22.5° | 2672.3 | 2684.6 | 2572.2 | 2439.2  | 2411.8  | 2601.0  | 3013.7  | 3504.5  | 4062.6  | 4116.1  | 4502.7  |
| 25°   | 3452.4 | 3357.8 | 3182.3 | 2864.2  | 2624.3  | 2676.4  | 3075.4  | 3627.9  | 4179.1  | 4238.1  | 4633.0  |
| 27.5° | 4314.9 | 4286.1 | 4013.2 | 3489.5  | 3042.5  | 2835.4  | 3185.1  | 3722.6  | 4217.5  | 4277.9  | 4707.0  |
| 30°   | 5162.2 | 5196.5 | 4883.9 | 4305.3  | 3649.9  | 3130.2  | 3287.9  | 3758.2  | 4251.8  | 4314.9  | 4801.6  |
| 32.5° | 5947.9 | 5989.0 | 5714.8 | 5141.7  | 4365.6  | 3640.3  | 3464.8  | 3896.7  | 4395.8  | 4460.2  | 4959.3  |
| 35°   | 6566.2 | 6571.7 | 6364.7 | 5908.1  | 5147.1  | 4260.0  | 3847.3  | 4139.4  | 4590.5  | 4665.9  | 5126.6  |
| 37.5° | 7133.9 | 7125.6 | 6883.0 | 6489.4  | 5798.4  | 4875.7  | 4328.6  | 4419.1  | 4812.6  | 4890.7  | 5367.9  |
| 40°   | 7554.8 | 7560.3 | 7482.1 | 7111.9  | 6405.8  | 5444.7  | 4709.8  | 4681.0  | 5185.5  | 5307.6  | 5718.9  |
| 42.5° | 7835.9 | 7886.6 | 7925.0 | 7737.2  | 7169.5  | 6145.3  | 5295.2  | 5241.7  | 5832.7  | 5934.2  | 6215.2  |
| 45°   | 8063.5 | 8154.0 | 8345.9 | 8336.3  | 7903.1  | 7005.0  | 6098.7  | 5989.0  | 6750.0  | 6858.3  | 6847.3  |
| 47.5° | 8229.4 | 8321.2 | 8639.3 | 8831.3  | 8592.7  | 7838.6  | 7109.2  | 7014.6  | 7845.5  | 7963.4  | 7545.2  |
| 50°   | 8314.4 | 8424.1 | 8829.9 | 9201.5  | 9131.6  | 8642.1  | 8260.9  | 8266.4  | 9168.6  | 9282.4  | 8354.2  |
| 52.5° | 8115.6 | 8258.2 | 8931.4 | 9600.5  | 9736.2  | 9411.3  | 9340.0  | 9521.0  | 10346.4 | 10443.7 | 9085.0  |
| 55°   | 7480.8 | 7660.4 | 8792.9 | 9940.5  | 10436.9 | 10318.9 | 10565.7 | 10841.3 | 11633.8 | 11696.9 | 9834.9  |
| 57.5° | 7079.0 | 7269.6 | 8384.3 | 10229.8 | 11278.7 | 11459.7 | 11850.5 | 12052.0 | 12962.4 | 13122.9 | 10696.0 |
| 60°   | 6740.4 | 6889.8 | 8048.4 | 10291.5 | 12134.3 | 12855.5 | 13235.3 | 13443.7 | 14602.3 | 14706.5 | 11643.4 |
| 62.5° | 6176.8 | 6348.2 | 7480.8 | 9861.0  | 12564.8 | 13972.9 | 14760.0 | 14666.7 | 15870.6 | 15943.2 | 12224.8 |
| 65°   | 5270.5 | 5285.6 | 6329.0 | 8779.2  | 12120.6 | 14698.3 | 15830.8 | 15440.0 | 16476.6 | 16526.0 | 12179.5 |
| 67.5° | 3933.7 | 4079.0 | 4868.8 | 6900.8  | 10238.1 | 14078.5 | 16177.7 | 15460.6 | 16094.1 | 15956.9 | 11212.9 |
| 70°   | 2533.8 | 2644.9 | 3300.3 | 4785.2  | 7382.0  | 11749.0 | 15027.3 | 14400.7 | 14125.1 | 13820.8 | 9178.2  |
| 72.5° | 1169.6 | 1312.1 | 1960.7 | 2734.0  | 4377.9  | 8369.2  | 12198.7 | 11699.7 | 10166.8 | 9415.4  | 5834.1  |
| 75°   | 510.1  | 545.7  | 968.0  | 1442.4  | 2052.5  | 4425.9  | 8042.9  | 7262.8  | 4591.8  | 4194.2  | 2335.0  |
| 77.5° | 311.2  | 334.6  | 507.3  | 773.3   | 806.2   | 1686.5  | 4332.7  | 3168.6  | 1419.1  | 1251.8  | 633.5   |
| 80°   | 211.2  | 237.2  | 368.8  | 404.5   | 275.6   | 470.3   | 1626.1  | 846.0   | 286.6   | 274.2   | 135.7   |
| 82.5° | 102.8  | 130.3  | 272.9  | 226.2   | 119.3   | 150.8   | 473.0   | 181.0   | 83.6    | 78.2    | 48.0    |
| 85°   | 15.1   | 26.1   | 153.6  | 148.1   | 53.5    | 35.6    | 83.6    | 45.2    | 28.8    | 27.4    | 21.9    |
| 87.5° | 0.0    | 0.0    | 52.1   | 23.3    | 5.5     | 5.5     | 9.6     | 9.6     | 11.0    | 9.6     | 11.0    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3552.5 | 3552.5 | 3552.5 | 3552.5 | 3552.5 | 3552.5 | 3552.5 | 3552.5 | 3552.5 | 3552.5 | 3552.5 |
| 2.5°  | 3580.0 | 3586.8 | 3560.8 | 3523.7 | 3484.0 | 3444.2 | 3388.0 | 3337.3 | 3307.1 | 3324.9 | 3281.1 |
| 5°    | 3644.4 | 3638.9 | 3570.4 | 3457.9 | 3308.5 | 3128.9 | 2950.6 | 2798.4 | 2749.1 | 2675.0 | 2666.8 |
| 7.5°  | 3733.5 | 3718.4 | 3573.1 | 3315.3 | 2978.0 | 2640.8 | 2311.7 | 2093.7 | 1968.9 | 1863.3 | 1866.1 |
| 10°   | 3858.3 | 3814.4 | 3541.6 | 3064.4 | 2509.1 | 2000.4 | 1580.9 | 1293.0 | 1168.2 | 1128.4 | 1096.9 |
| 12.5° | 3987.2 | 3902.2 | 3453.8 | 2725.8 | 1953.8 | 1367.0 | 961.1  | 785.6  | 708.9  | 684.2  | 681.4  |
| 15°   | 4102.4 | 3968.0 | 3300.3 | 2318.5 | 1420.5 | 873.4  | 655.4  | 597.8  | 588.2  | 589.6  | 588.2  |
| 17.5° | 4216.2 | 4020.1 | 3087.7 | 1886.6 | 965.3  | 626.6  | 563.5  | 549.8  | 553.9  | 559.4  | 558.0  |
| 20°   | 4310.8 | 4031.1 | 2816.3 | 1439.7 | 682.8  | 549.8  | 529.2  | 526.5  | 530.6  | 534.7  | 534.7  |
| 22.5° | 4413.6 | 4039.3 | 2494.0 | 996.8  | 558.0  | 511.4  | 500.5  | 500.5  | 505.9  | 511.4  | 512.8  |
| 25°   | 4490.4 | 3994.0 | 2108.8 | 715.7  | 492.2  | 474.4  | 468.9  | 470.3  | 475.8  | 478.5  | 477.1  |
| 27.5° | 4502.7 | 3866.5 | 1700.2 | 548.4  | 447.0  | 429.2  | 423.7  | 429.2  | 422.3  | 426.4  | 423.7  |
| 30°   | 4513.7 | 3704.7 | 1286.1 | 462.1  | 405.8  | 378.4  | 370.2  | 362.0  | 356.5  | 349.6  | 348.3  |
| 32.5° | 4548.0 | 3514.1 | 939.2  | 415.4  | 367.5  | 337.3  | 318.1  | 294.8  | 277.0  | 271.5  | 270.1  |
| 35°   | 4563.0 | 3285.2 | 689.7  | 378.4  | 333.2  | 300.3  | 266.0  | 233.1  | 207.0  | 197.4  | 204.3  |
| 37.5° | 4620.6 | 3063.1 | 534.7  | 351.0  | 303.0  | 261.9  | 218.0  | 176.9  | 152.2  | 146.7  | 149.5  |
| 40°   | 4738.5 | 2821.7 | 448.4  | 327.7  | 277.0  | 226.2  | 172.8  | 133.0  | 116.5  | 111.1  | 109.7  |
| 42.5° | 4927.8 | 2581.8 | 399.0  | 305.8  | 250.9  | 190.6  | 135.7  | 104.2  | 90.5   | 86.4   | 86.4   |
| 45°   | 5158.1 | 2351.4 | 364.7  | 282.4  | 223.5  | 153.6  | 106.9  | 83.6   | 75.4   | 72.7   | 72.7   |
| 47.5° | 5461.1 | 2149.9 | 335.9  | 259.1  | 193.3  | 122.0  | 86.4   | 72.7   | 67.2   | 68.6   | 69.9   |
| 50°   | 5768.2 | 2000.4 | 304.4  | 233.1  | 159.0  | 100.1  | 74.0   | 64.4   | 63.1   | 64.4   | 64.4   |
| 52.5° | 6000.0 | 1912.7 | 261.9  | 197.4  | 124.8  | 83.6   | 65.8   | 60.3   | 59.0   | 56.2   | 56.2   |
| 55°   | 6312.6 | 1893.5 | 208.4  | 160.4  | 98.7   | 69.9   | 59.0   | 54.8   | 50.7   | 48.0   | 46.6   |
| 57.5° | 6714.3 | 1915.4 | 160.4  | 124.8  | 76.8   | 57.6   | 52.1   | 45.2   | 39.8   | 34.3   | 34.3   |
| 60°   | 6963.9 | 1866.1 | 124.8  | 96.0   | 56.2   | 46.6   | 39.8   | 32.9   | 26.1   | 21.9   | 20.6   |
| 62.5° | 6884.3 | 1657.7 | 98.7   | 71.3   | 39.8   | 34.3   | 26.1   | 21.9   | 15.1   | 11.0   | 9.6    |
| 65°   | 6474.4 | 1338.2 | 79.5   | 49.4   | 28.8   | 20.6   | 13.7   | 13.7   | 6.9    | 1.4    | 0.0    |
| 67.5° | 5666.8 | 991.3  | 63.1   | 32.9   | 16.5   | 9.6    | 6.9    | 4.1    | 0.0    | 0.0    | 0.0    |
| 70°   | 4612.4 | 715.7  | 49.4   | 20.6   | 9.6    | 6.9    | 2.7    | 1.4    | 0.0    | 0.0    | 0.0    |
| 72.5° | 2928.7 | 410.0  | 38.4   | 12.3   | 6.9    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 1132.5 | 160.4  | 26.1   | 8.2    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 320.8  | 75.4   | 15.1   | 4.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 83.6   | 32.9   | 8.2    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 39.8   | 13.7   | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 23.3   | 5.5    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 11.0   | 1.4    | 0.0    | 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)