

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: P952090

Luminaire Tested: **GLAN-SB6A-750-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-750-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 21994 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3

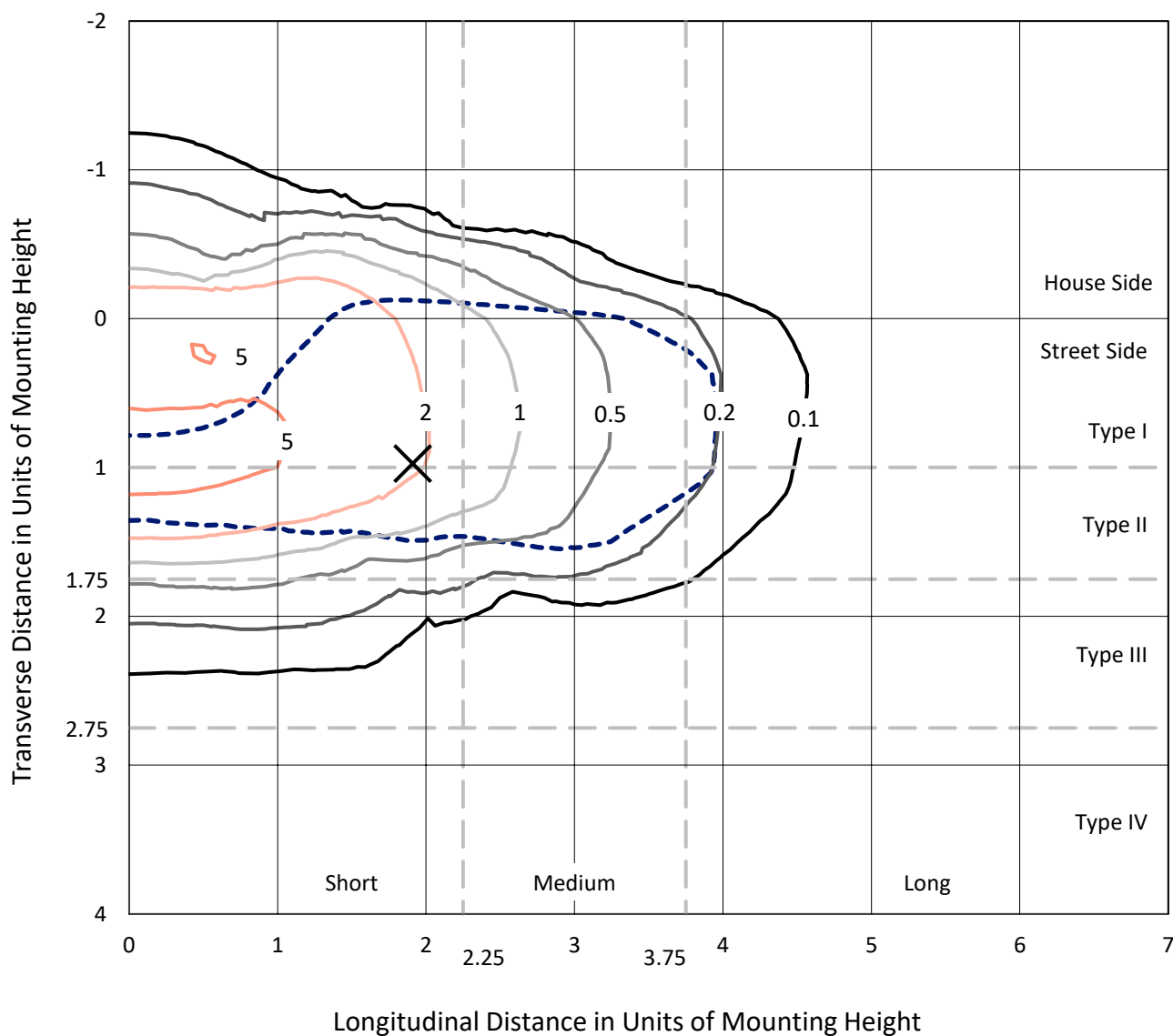
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

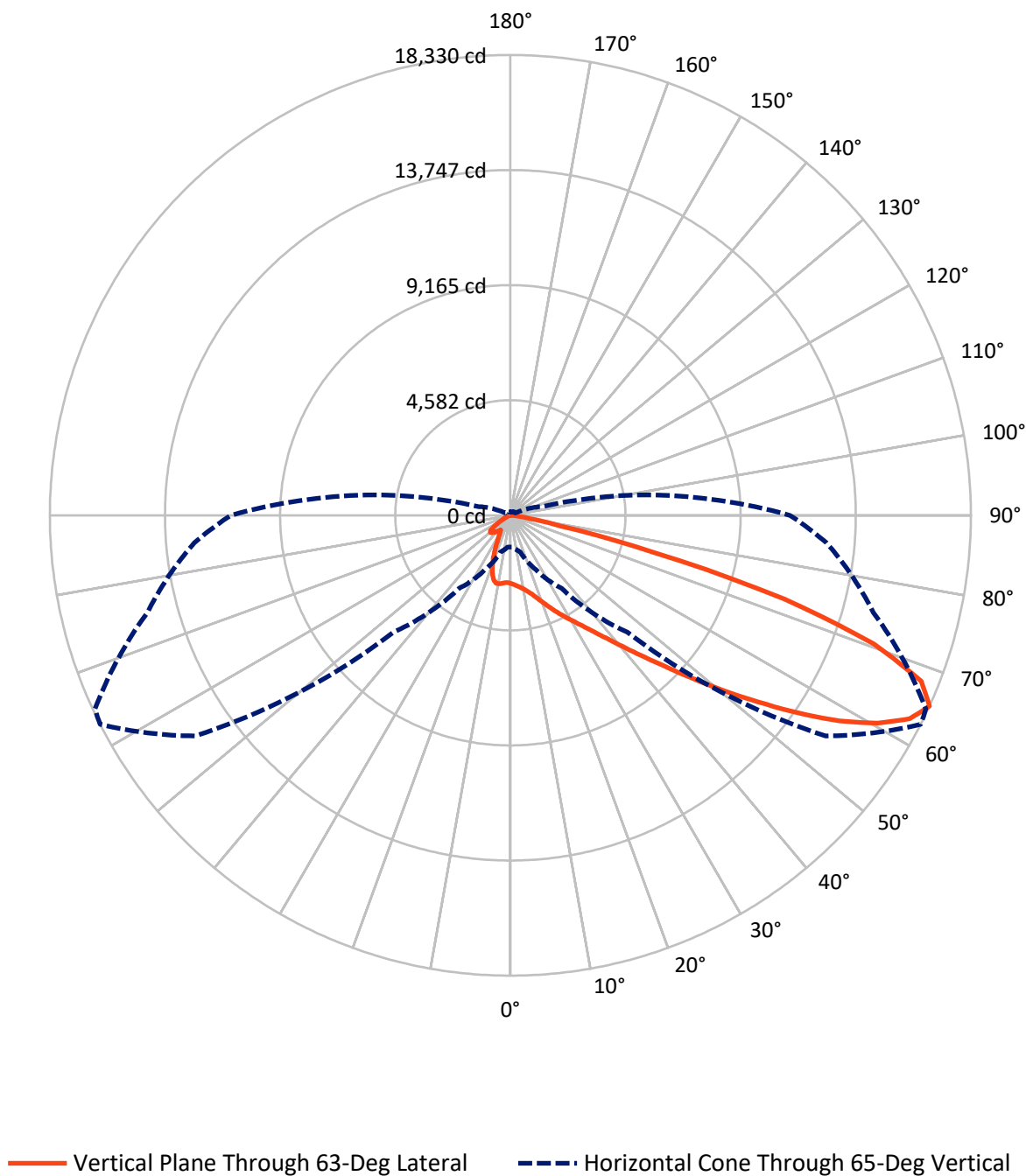
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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    | 3233.0   | 0.0    | 3233.0  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 18761.1  | 0.0    | 18761.1 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 21994.0  | 0.0    | 21994.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 255.8   | 1.2       |
| 10°-20°   | 709.6   | 3.2       |
| 20°-30°   | 1235.6  | 5.6       |
| 30°-40°   | 2227.1  | 10.1      |
| 40°-50°   | 4417.1  | 20.1      |
| 50°-60°   | 6016.8  | 27.4      |
| 60°-70°   | 4802.6  | 21.8      |
| 70°-80°   | 2173.3  | 9.9       |
| 80°-90°   | 156.2   | 0.7       |
| 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°    | 21994.0 | 100.0     |
| 0°-180°   | 21994.0 | 100.0     |

**Coefficient of Utilization**



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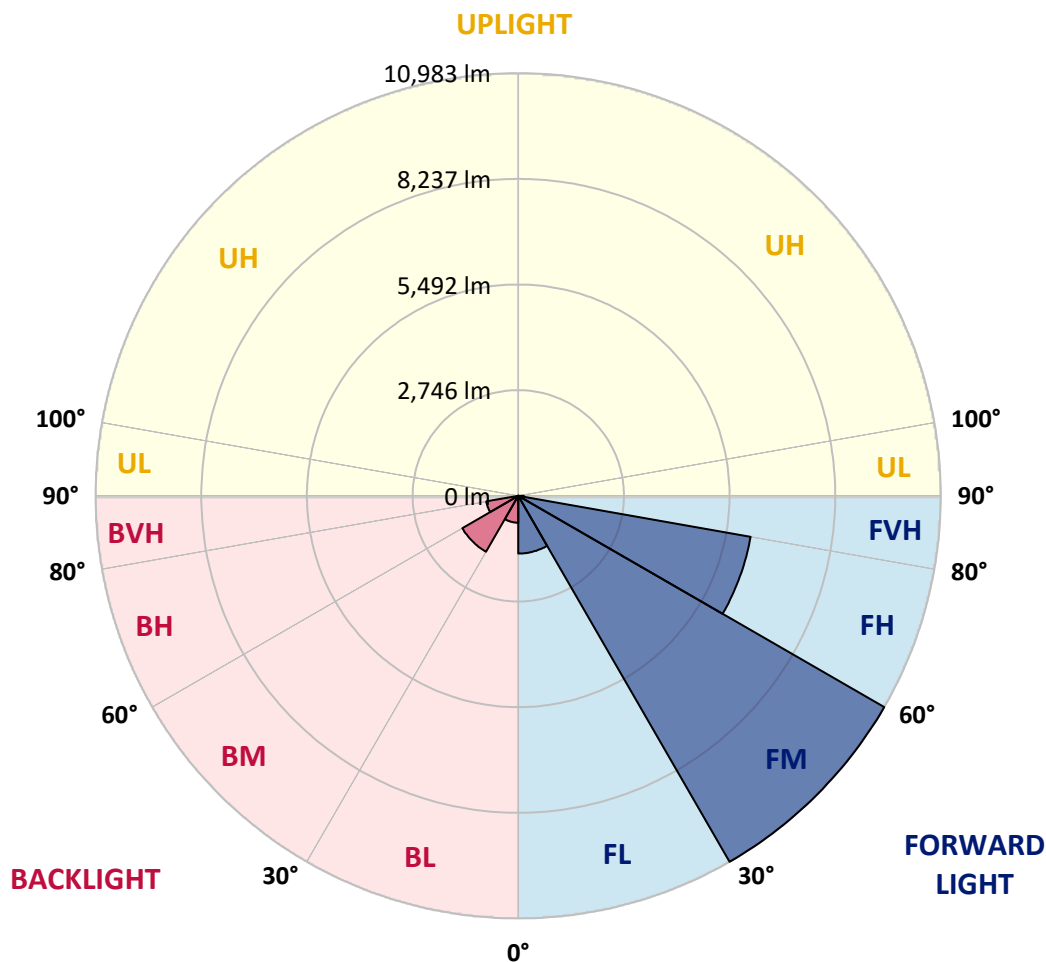
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1501.4  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 10983.3 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 6131.8  | 27.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 144.6   | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 699.7   | 3.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1677.7  | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 844.0   | 3.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 11.6    | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2714.5  | 2714.5  | 2714.5  | 2714.5  | 2714.5  | 2714.5  | 2714.5  | 2714.5  | 2714.5  | 2714.5  |
| 2.5°  | 2778.0  | 2770.5  | 2781.1  | 2776.5  | 2773.5  | 2767.4  | 2764.4  | 2761.4  | 2755.3  | 2750.8  |
| 5°    | 2785.6  | 2781.1  | 2791.6  | 2800.7  | 2809.8  | 2818.9  | 2823.4  | 2829.5  | 2823.4  | 2811.3  |
| 7.5°  | 2722.0  | 2719.0  | 2741.7  | 2768.9  | 2809.8  | 2844.6  | 2882.4  | 2903.6  | 2905.1  | 2900.6  |
| 10°   | 2717.5  | 2709.9  | 2732.6  | 2765.9  | 2818.9  | 2880.9  | 2947.5  | 2992.9  | 2998.9  | 3018.6  |
| 12.5° | 2788.6  | 2781.1  | 2812.8  | 2849.1  | 2903.6  | 2968.7  | 3050.4  | 3113.9  | 3123.0  | 3150.2  |
| 15°   | 2908.2  | 2897.6  | 2933.9  | 2980.8  | 3050.4  | 3124.5  | 3210.8  | 3268.3  | 3275.8  | 3309.1  |
| 17.5° | 3047.4  | 3036.8  | 3079.1  | 3129.1  | 3204.7  | 3306.1  | 3406.0  | 3469.5  | 3478.6  | 3499.8  |
| 20°   | 3225.9  | 3212.3  | 3245.6  | 3291.0  | 3371.2  | 3492.2  | 3611.7  | 3702.5  | 3701.0  | 3701.0  |
| 22.5° | 3433.2  | 3412.0  | 3440.8  | 3477.1  | 3552.7  | 3699.5  | 3858.4  | 3965.8  | 3965.8  | 3923.4  |
| 25°   | 3655.6  | 3634.4  | 3666.2  | 3699.5  | 3766.1  | 3932.5  | 4118.6  | 4251.8  | 4257.8  | 4185.2  |
| 27.5° | 3934.0  | 3906.8  | 3931.0  | 3970.3  | 4009.7  | 4179.1  | 4400.1  | 4554.4  | 4557.4  | 4445.4  |
| 30°   | 4469.7  | 4392.5  | 4316.8  | 4274.5  | 4292.6  | 4460.6  | 4696.6  | 4867.6  | 4882.7  | 4728.4  |
| 32.5° | 5450.1  | 5435.0  | 5168.7  | 4820.7  | 4639.1  | 4763.2  | 5028.0  | 5233.8  | 5242.8  | 5044.6  |
| 35°   | 6973.8  | 6955.7  | 6527.5  | 5864.7  | 5273.1  | 5168.7  | 5430.5  | 5674.1  | 5668.0  | 5444.1  |
| 37.5° | 8792.5  | 8775.9  | 8211.5  | 7324.8  | 6367.1  | 5781.5  | 5949.5  | 6205.2  | 6243.0  | 5949.5  |
| 40°   | 10346.5 | 10284.4 | 9927.4  | 9072.5  | 7819.6  | 6798.3  | 6687.8  | 6857.3  | 6896.6  | 6548.6  |
| 42.5° | 11523.7 | 11470.7 | 11289.1 | 10755.0 | 9577.8  | 8302.3  | 7557.9  | 7622.9  | 7666.8  | 7249.2  |
| 45°   | 12133.4 | 12121.3 | 12194.0 | 12144.0 | 11369.3 | 10148.3 | 8801.6  | 8530.8  | 8547.4  | 8025.4  |
| 47.5° | 12219.7 | 12213.6 | 12545.0 | 13014.0 | 12909.6 | 12230.3 | 10397.9 | 9662.6  | 9603.6  | 8901.5  |
| 50°   | 11711.3 | 11699.2 | 12334.7 | 13213.8 | 13938.5 | 13979.4 | 12210.6 | 10938.1 | 10808.0 | 9807.8  |
| 52.5° | 10087.7 | 10084.7 | 11128.7 | 12591.9 | 14300.2 | 15510.6 | 14002.1 | 12339.2 | 12121.3 | 10767.1 |
| 55°   | 7762.1  | 7818.1  | 9015.0  | 10744.4 | 13640.5 | 16247.5 | 15610.5 | 13894.7 | 13560.3 | 11732.5 |
| 57.5° | 5498.6  | 5580.3  | 6763.5  | 8303.8  | 11594.8 | 15811.7 | 16698.4 | 15453.1 | 15093.0 | 12694.8 |
| 60°   | 2953.5  | 3026.2  | 4210.9  | 6049.3  | 8626.1  | 14186.7 | 17271.9 | 16805.8 | 16465.4 | 13608.7 |
| 62.5° | 1759.7  | 1783.9  | 2274.2  | 3905.3  | 5834.5  | 10838.2 | 17028.3 | 17836.3 | 17556.3 | 14375.8 |
| 65°   | 1263.4  | 1268.0  | 1514.6  | 2384.6  | 3542.1  | 6584.9  | 15320.0 | 18329.5 | 18243.3 | 14953.8 |
| 67.5° | 1063.7  | 1060.7  | 1163.6  | 1584.2  | 2413.4  | 3298.5  | 11741.5 | 17632.0 | 17998.2 | 15320.0 |
| 70°   | 912.4   | 916.9   | 1038.0  | 1160.5  | 1814.2  | 1867.1  | 5837.5  | 15351.8 | 16132.5 | 15416.8 |
| 72.5° | 679.4   | 694.5   | 806.5   | 1057.6  | 1369.3  | 1284.6  | 2015.4  | 11382.9 | 12794.6 | 14525.6 |
| 75°   | 479.6   | 487.2   | 567.4   | 889.7   | 1021.3  | 935.1   | 1028.9  | 5884.4  | 7694.0  | 11136.3 |
| 77.5° | 369.2   | 382.8   | 429.7   | 621.9   | 1006.2  | 656.7   | 629.4   | 2036.6  | 3129.1  | 6727.2  |
| 80°   | 199.7   | 223.9   | 310.2   | 449.4   | 706.6   | 464.5   | 311.7   | 811.0   | 1060.7  | 3145.7  |
| 82.5° | 102.9   | 115.0   | 216.4   | 323.8   | 402.5   | 405.5   | 154.3   | 337.4   | 437.3   | 971.4   |
| 85°   | 40.9    | 49.9    | 145.3   | 178.5   | 207.3   | 199.7   | 69.6    | 136.2   | 157.4   | 269.3   |
| 87.5° | 9.1     | 15.1    | 53.0    | 40.9    | 39.3    | 42.4    | 16.6    | 31.8    | 30.3    | 31.8    |
| 90°   | 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2714.5  | 0°    | 2714.5  | 2714.5 | 2714.5 | 2714.5 | 2714.5 | 2714.5 | 2714.5 | 2714.5 | 2714.5 | 2714.5 |
| 2732.6  | 2.5°  | 2731.1  | 2725.1 | 2708.4 | 2690.3 | 2669.1 | 2657.0 | 2649.4 | 2647.9 | 2637.3 | 2629.7 |
| 2793.2  | 5°    | 2776.5  | 2770.5 | 2738.7 | 2700.9 | 2660.0 | 2628.2 | 2598.0 | 2570.7 | 2531.4 | 2523.8 |
| 2880.9  | 7.5°  | 2867.3  | 2850.7 | 2799.2 | 2747.8 | 2670.6 | 2578.3 | 2466.3 | 2337.7 | 2222.7 | 2187.9 |
| 2997.4  | 10°   | 2979.3  | 2956.6 | 2891.5 | 2800.7 | 2629.7 | 2378.6 | 2107.7 | 1856.6 | 1656.8 | 1600.8 |
| 3135.1  | 12.5° | 3106.4  | 3086.7 | 3000.4 | 2832.5 | 2458.8 | 2003.3 | 1588.7 | 1277.0 | 1083.4 | 1035.0 |
| 3281.9  | 15°   | 3257.7  | 3228.9 | 3109.4 | 2784.1 | 2153.1 | 1522.2 | 1090.9 | 906.3  | 836.7  | 827.7  |
| 3449.8  | 17.5° | 3418.1  | 3371.2 | 3206.2 | 2610.1 | 1741.6 | 1081.9 | 842.8  | 789.8  | 759.6  | 750.5  |
| 3619.3  | 20°   | 3564.8  | 3504.3 | 3263.7 | 2346.8 | 1301.3 | 842.8  | 755.0  | 720.2  | 693.0  | 682.4  |
| 3788.8  | 22.5° | 3711.6  | 3625.4 | 3263.7 | 1988.2 | 975.9  | 747.5  | 693.0  | 661.2  | 629.4  | 615.8  |
| 3970.3  | 25°   | 3864.4  | 3749.4 | 3206.2 | 1588.7 | 785.3  | 685.4  | 634.0  | 599.2  | 571.9  | 555.3  |
| 4142.8  | 27.5° | 4012.7  | 3853.8 | 3074.6 | 1210.5 | 699.0  | 631.0  | 579.5  | 546.2  | 520.5  | 508.4  |
| 4330.5  | 30°   | 4153.4  | 3956.7 | 2890.0 | 918.4  | 643.1  | 578.0  | 529.6  | 500.8  | 475.1  | 463.0  |
| 4574.1  | 32.5° | 4344.1  | 4086.8 | 2693.3 | 753.5  | 594.6  | 528.1  | 484.2  | 457.0  | 434.3  | 425.2  |
| 4890.3  | 35°   | 4608.9  | 4279.0 | 2523.8 | 739.9  | 553.8  | 487.2  | 443.3  | 417.6  | 394.9  | 387.3  |
| 5298.8  | 37.5° | 4984.1  | 4589.2 | 2434.6 | 830.7  | 520.5  | 450.9  | 410.0  | 382.8  | 361.6  | 355.6  |
| 5817.8  | 40°   | 5447.1  | 5009.8 | 2483.0 | 921.5  | 497.8  | 419.1  | 379.8  | 352.5  | 334.4  | 326.8  |
| 6414.0  | 42.5° | 5996.4  | 5528.8 | 2750.8 | 991.1  | 482.7  | 391.9  | 351.0  | 320.8  | 308.7  | 305.6  |
| 7090.3  | 45°   | 6627.3  | 6099.2 | 3160.8 | 1065.2 | 458.5  | 366.2  | 322.3  | 299.6  | 290.5  | 289.0  |
| 7825.7  | 47.5° | 7344.5  | 6725.7 | 3635.9 | 1157.5 | 434.3  | 342.0  | 299.6  | 284.5  | 276.9  | 273.9  |
| 8592.8  | 50°   | 8055.7  | 7356.6 | 4124.7 | 1209.0 | 414.6  | 319.3  | 281.4  | 269.3  | 263.3  | 261.8  |
| 9403.8  | 52.5° | 8800.1  | 8005.7 | 4519.6 | 1160.5 | 397.9  | 301.1  | 266.3  | 257.2  | 251.2  | 249.7  |
| 10151.3 | 55°   | 9509.7  | 8530.8 | 4587.7 | 985.0  | 364.7  | 282.9  | 249.7  | 245.1  | 237.6  | 237.6  |
| 10909.3 | 57.5° | 10121.0 | 8794.1 | 4106.5 | 723.3  | 331.4  | 255.7  | 233.0  | 228.5  | 222.4  | 220.9  |
| 11593.3 | 60°   | 10682.4 | 8718.4 | 3169.9 | 487.2  | 295.1  | 228.5  | 211.8  | 208.8  | 202.8  | 195.2  |
| 12187.9 | 62.5° | 10998.6 | 8385.5 | 2168.3 | 317.7  | 258.7  | 199.7  | 187.6  | 186.1  | 172.5  | 157.4  |
| 12628.2 | 65°   | 11118.2 | 7701.6 | 1352.7 | 231.5  | 216.4  | 171.0  | 161.9  | 158.9  | 139.2  | 122.6  |
| 12877.9 | 67.5° | 11013.7 | 6575.9 | 682.4  | 183.1  | 171.0  | 142.2  | 133.2  | 133.2  | 119.5  | 104.4  |
| 12862.7 | 70°   | 10596.1 | 4929.6 | 287.5  | 146.8  | 131.6  | 108.9  | 108.9  | 115.0  | 101.4  | 84.7   |
| 12195.5 | 72.5° | 9689.8  | 3316.7 | 152.8  | 112.0  | 98.4   | 77.2   | 89.3   | 93.8   | 80.2   | 63.5   |
| 9981.8  | 75°   | 7703.1  | 2023.0 | 105.9  | 83.2   | 62.0   | 54.5   | 68.1   | 71.1   | 54.5   | 42.4   |
| 6843.7  | 77.5° | 5268.6  | 1162.0 | 71.1   | 53.0   | 39.3   | 31.8   | 46.9   | 43.9   | 28.7   | 19.7   |
| 2638.8  | 80°   | 2313.5  | 484.2  | 40.9   | 24.2   | 15.1   | 12.1   | 16.6   | 12.1   | 9.1    | 6.1    |
| 361.6   | 82.5° | 270.8   | 113.5  | 15.1   | 9.1    | 6.1    | 3.0    | 1.5    | 0.0    | 0.0    | 0.0    |
| 110.5   | 85°   | 56.0    | 13.6   | 7.6    | 3.0    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 19.7    | 87.5° | 10.6    | 3.0    | 1.5    | 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    |

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| 180°   |
|--------|
| 2714.5 |
| 2637.3 |
| 2520.8 |
| 2171.3 |
| 1579.7 |
| 1021.3 |
| 818.6  |
| 746.0  |
| 676.3  |
| 608.3  |
| 549.2  |
| 508.4  |
| 464.5  |
| 425.2  |
| 387.3  |
| 354.1  |
| 325.3  |
| 305.6  |
| 287.5  |
| 273.9  |
| 261.8  |
| 249.7  |
| 236.0  |
| 219.4  |
| 193.7  |
| 154.3  |
| 121.0  |
| 102.9  |
| 83.2   |
| 63.5   |
| 40.9   |
| 21.2   |
| 6.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |