

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: P942878

Luminaire Tested: **GLAN-SB7A-830-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-830-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 21704 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 199.1  
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



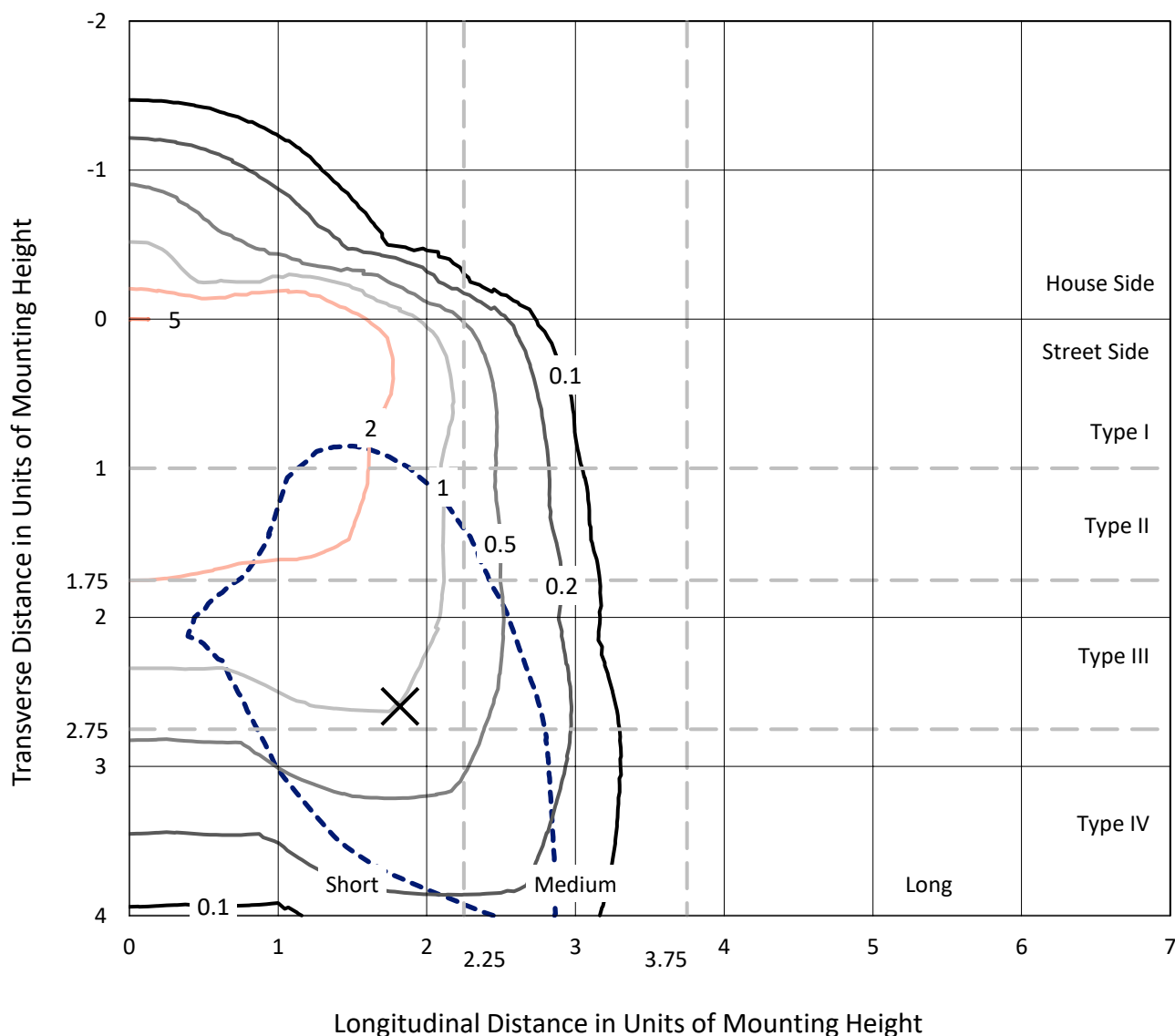
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

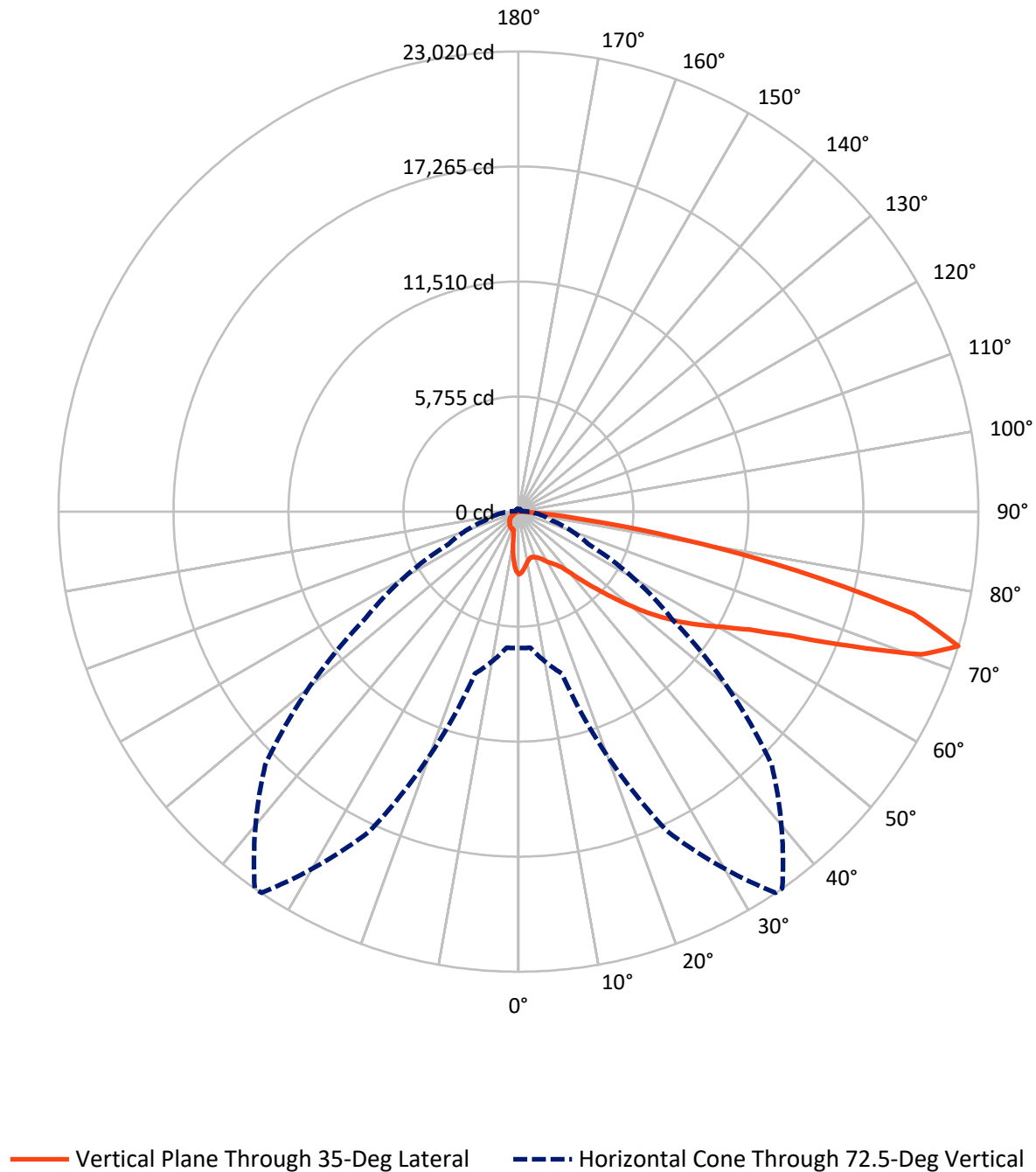


Based on 25 foot mounting height. Maximum calculated value = 5 fc

Type IV - 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    | 2442.7   | 0.0    | 2442.7  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 19261.3  | 0.0    | 19261.3 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 21704.0  | 0.0    | 21704.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 258.5   | 1.2       |
| 10°-20°   | 604.7   | 2.8       |
| 20°-30°   | 982.3   | 4.5       |
| 30°-40°   | 1639.0  | 7.6       |
| 40°-50°   | 3101.0  | 14.3      |
| 50°-60°   | 4927.5  | 22.7      |
| 60°-70°   | 6095.7  | 28.1      |
| 70°-80°   | 3789.1  | 17.5      |
| 80°-90°   | 306.2   | 1.4       |
| 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°    | 21704.0 | 100.0     |
| 0°-180°   | 21704.0 | 100.0     |

**Coefficient of Utilization**



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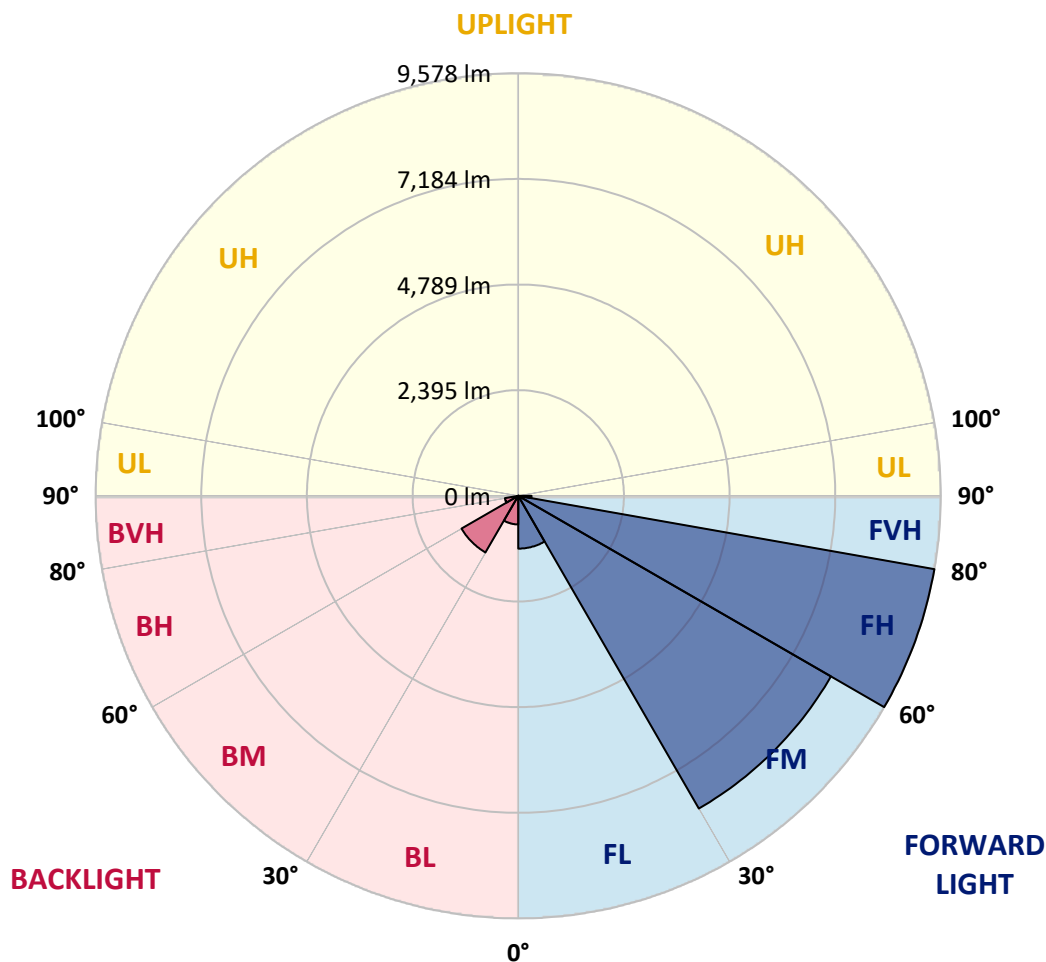
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1196.4 | 5.5       |                         |      |          |
| FM   | (30°-60°)   | 8184.6 | 37.7      |                         |      |          |
| FH   | (60°-80°)   | 9578.2 | 44.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 302.1  | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 649.1  | 3.0       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1482.9 | 6.8       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 306.5  | 1.4       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 4.2    | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3145.6  | 3145.6  | 3145.6  | 3145.6  | 3145.6  | 3145.6  | 3145.6  | 3145.6  | 3145.6  | 3145.6  |
| 2.5°  | 3005.7  | 3031.1  | 3035.9  | 3043.9  | 3043.9  | 3053.4  | 3069.3  | 3091.6  | 3128.1  | 3147.2  |
| 5°    | 2770.3  | 2789.4  | 2813.3  | 2832.3  | 2868.9  | 2873.7  | 2935.7  | 2996.1  | 3080.4  | 3144.0  |
| 7.5°  | 2533.4  | 2555.6  | 2587.4  | 2633.6  | 2681.3  | 2695.6  | 2789.4  | 2891.2  | 3024.8  | 3144.0  |
| 10°   | 2366.4  | 2368.0  | 2396.6  | 2442.7  | 2519.1  | 2536.5  | 2651.1  | 2795.8  | 2962.8  | 3125.0  |
| 12.5° | 2272.6  | 2283.7  | 2296.4  | 2331.4  | 2404.6  | 2415.7  | 2538.1  | 2708.3  | 2900.7  | 3113.8  |
| 15°   | 2272.6  | 2280.5  | 2288.5  | 2306.0  | 2364.8  | 2374.3  | 2482.5  | 2652.6  | 2868.9  | 3118.6  |
| 17.5° | 2296.4  | 2309.1  | 2302.8  | 2323.4  | 2385.5  | 2391.8  | 2487.2  | 2636.7  | 2867.3  | 3148.8  |
| 20°   | 2353.7  | 2363.2  | 2350.5  | 2363.2  | 2425.2  | 2437.9  | 2536.5  | 2667.0  | 2894.4  | 3201.3  |
| 22.5° | 2444.3  | 2449.1  | 2418.9  | 2428.4  | 2492.0  | 2507.9  | 2622.4  | 2752.8  | 2959.6  | 3285.6  |
| 25°   | 2558.8  | 2568.4  | 2522.2  | 2533.4  | 2593.8  | 2612.9  | 2744.9  | 2881.6  | 3062.9  | 3401.7  |
| 27.5° | 2690.8  | 2695.6  | 2655.8  | 2654.2  | 2732.2  | 2759.2  | 2892.8  | 3040.7  | 3201.3  | 3548.0  |
| 30°   | 2841.9  | 2856.2  | 2818.0  | 2811.7  | 2910.3  | 2932.5  | 3064.5  | 3236.3  | 3404.9  | 3767.4  |
| 32.5° | 2961.2  | 2972.3  | 2950.0  | 2965.9  | 3066.1  | 3083.6  | 3272.9  | 3513.0  | 3724.5  | 4079.2  |
| 35°   | 3132.9  | 3139.3  | 3088.4  | 3117.0  | 3231.5  | 3276.0  | 3557.5  | 3901.0  | 4126.9  | 4470.4  |
| 37.5° | 3754.7  | 3754.7  | 3538.4  | 3396.9  | 3506.6  | 3546.4  | 3947.2  | 4389.3  | 4623.0  | 4995.2  |
| 40°   | 4615.1  | 4600.8  | 4284.3  | 3994.9  | 3980.6  | 4058.5  | 4502.2  | 5004.7  | 5263.9  | 5624.9  |
| 42.5° | 5532.7  | 5510.4  | 5079.5  | 4793.2  | 4745.5  | 4772.5  | 5143.1  | 5763.3  | 6027.3  | 6393.1  |
| 45°   | 6346.9  | 6340.6  | 5946.2  | 5561.3  | 5475.4  | 5561.3  | 5943.0  | 6650.7  | 6839.9  | 7224.8  |
| 47.5° | 7029.2  | 7029.2  | 6741.3  | 6490.1  | 6445.5  | 6496.4  | 7026.0  | 7635.1  | 7617.6  | 8110.6  |
| 50°   | 7814.8  | 7808.4  | 7534.9  | 7426.8  | 7472.9  | 7544.4  | 8272.8  | 8672.0  | 8422.3  | 8980.5  |
| 52.5° | 8365.0  | 8403.2  | 8309.4  | 8291.9  | 8527.3  | 8651.3  | 9538.7  | 9686.6  | 9142.7  | 9805.9  |
| 55°   | 8800.8  | 8845.3  | 8953.5  | 9075.9  | 9529.1  | 9691.4  | 10764.8 | 10648.7 | 9745.4  | 10521.5 |
| 57.5° | 9417.8  | 9354.2  | 9521.2  | 9762.9  | 10496.1 | 10691.7 | 11952.8 | 11556.8 | 10230.5 | 11102.0 |
| 60°   | 10166.9 | 10176.4 | 10205.0 | 10510.4 | 11461.4 | 11712.6 | 13123.3 | 12415.6 | 10542.2 | 11458.2 |
| 62.5° | 11067.0 | 11081.3 | 11140.1 | 11609.3 | 12757.5 | 12994.4 | 14370.1 | 13118.5 | 10685.3 | 11358.0 |
| 65°   | 11005.0 | 11065.4 | 11722.2 | 13326.8 | 14727.9 | 14961.7 | 15825.2 | 13611.5 | 10469.0 | 10442.0 |
| 67.5° | 10025.3 | 10123.9 | 11222.8 | 15378.3 | 17698.6 | 17959.4 | 17584.1 | 13708.5 | 9535.5  | 8120.1  |
| 70°   | 8740.4  | 8775.3  | 10096.9 | 17223.1 | 21138.4 | 21402.4 | 19158.5 | 12641.4 | 7235.9  | 4529.2  |
| 72.5° | 6825.6  | 6833.6  | 8384.1  | 17650.9 | 23005.5 | 23019.8 | 17922.8 | 9384.4  | 3891.5  | 1739.8  |
| 75°   | 4875.9  | 4828.2  | 5615.4  | 14314.4 | 20239.9 | 20402.1 | 13436.5 | 4402.0  | 1486.9  | 822.2   |
| 77.5° | 2614.5  | 2667.0  | 3177.4  | 8489.1  | 13982.0 | 14258.7 | 7331.3  | 1269.1  | 757.0   | 559.8   |
| 80°   | 807.9   | 852.4   | 1302.5  | 3886.7  | 7919.8  | 8086.7  | 2717.8  | 564.6   | 528.0   | 399.2   |
| 82.5° | 254.4   | 264.0   | 607.5   | 1633.3  | 3287.2  | 3363.5  | 787.2   | 319.7   | 361.0   | 264.0   |
| 85°   | 73.2    | 74.7    | 270.4   | 609.1   | 812.6   | 828.6   | 221.1   | 124.0   | 206.7   | 163.8   |
| 87.5° | 8.0     | 25.4    | 101.8   | 101.8   | 71.6    | 70.0    | 23.9    | 27.0    | 58.8    | 20.7    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3145.6  | 0°    | 3145.6 | 3145.6 | 3145.6 | 3145.6 | 3145.6 | 3145.6 | 3145.6 | 3145.6 | 3145.6 | 3145.6 |
| 3160.0  | 2.5°  | 3152.0 | 3153.6 | 3132.9 | 3097.9 | 3059.8 | 3028.0 | 2988.2 | 2956.4 | 2934.1 | 2927.8 |
| 3188.6  | 5°    | 3174.3 | 3163.1 | 3104.3 | 2997.7 | 2870.5 | 2760.8 | 2638.3 | 2541.3 | 2477.7 | 2450.7 |
| 3218.8  | 7.5°  | 3207.7 | 3175.9 | 3047.0 | 2837.1 | 2593.8 | 2377.5 | 2158.1 | 1987.9 | 1879.7 | 1825.7 |
| 3247.4  | 10°   | 3236.3 | 3172.7 | 2951.6 | 2604.9 | 2232.8 | 1905.2 | 1609.4 | 1404.2 | 1289.7 | 1235.7 |
| 3280.8  | 12.5° | 3263.3 | 3171.1 | 2827.6 | 2329.8 | 1825.7 | 1424.9 | 1149.8 | 1048.0 | 1016.2 | 1005.1 |
| 3334.9  | 15°   | 3314.2 | 3175.9 | 2671.7 | 2014.9 | 1420.1 | 1076.6 | 976.5  | 974.9  | 981.2  | 978.0  |
| 3417.6  | 17.5° | 3384.2 | 3180.6 | 2495.2 | 1681.0 | 1095.7 | 949.4  | 944.6  | 959.0  | 968.5  | 963.7  |
| 3521.0  | 20°   | 3474.8 | 3199.7 | 2307.5 | 1350.2 | 941.5  | 917.6  | 928.7  | 941.5  | 949.4  | 941.5  |
| 3659.3  | 22.5° | 3602.1 | 3233.1 | 2102.4 | 1084.6 | 892.2  | 898.5  | 908.1  | 922.4  | 930.3  | 919.2  |
| 3835.8  | 25°   | 3757.9 | 3285.6 | 1900.4 | 943.1  | 868.3  | 876.3  | 890.6  | 906.5  | 916.0  | 904.9  |
| 4058.5  | 27.5° | 3959.9 | 3369.9 | 1714.4 | 911.2  | 844.5  | 849.2  | 869.9  | 893.8  | 906.5  | 892.2  |
| 4374.9  | 30°   | 4252.5 | 3508.2 | 1553.7 | 925.6  | 830.1  | 819.0  | 847.6  | 881.0  | 895.3  | 882.6  |
| 4805.9  | 32.5° | 4640.5 | 3703.8 | 1455.1 | 947.8  | 823.8  | 784.0  | 811.1  | 854.0  | 877.9  | 869.9  |
| 5368.9  | 35°   | 5149.4 | 4001.2 | 1417.0 | 973.3  | 819.0  | 747.4  | 766.5  | 812.6  | 854.0  | 861.9  |
| 6078.2  | 37.5° | 5766.5 | 4414.7 | 1428.1 | 984.4  | 804.7  | 717.2  | 726.8  | 766.5  | 820.6  | 846.0  |
| 6876.5  | 40°   | 6467.8 | 4896.6 | 1491.7 | 973.3  | 788.8  | 691.8  | 693.4  | 723.6  | 771.3  | 809.5  |
| 7735.3  | 42.5° | 7191.4 | 5459.5 | 1609.4 | 931.9  | 774.5  | 669.5  | 664.8  | 685.4  | 717.2  | 744.3  |
| 8592.5  | 45°   | 7880.0 | 6038.4 | 1725.5 | 874.7  | 757.0  | 647.3  | 636.1  | 644.1  | 650.4  | 661.6  |
| 9427.4  | 47.5° | 8481.1 | 6445.5 | 1692.1 | 822.2  | 733.1  | 621.8  | 602.7  | 599.5  | 580.5  | 578.9  |
| 10173.2 | 50°   | 8896.2 | 6534.6 | 1502.8 | 769.7  | 698.1  | 593.2  | 563.0  | 543.9  | 510.5  | 494.6  |
| 10731.4 | 52.5° | 9028.2 | 6183.1 | 1227.7 | 717.2  | 640.9  | 555.0  | 512.1  | 481.9  | 440.5  | 426.2  |
| 11052.7 | 55°   | 8853.3 | 5494.5 | 981.2  | 653.6  | 561.4  | 504.1  | 456.4  | 416.7  | 383.3  | 365.8  |
| 11087.7 | 57.5° | 8425.5 | 4618.3 | 776.1  | 578.9  | 477.1  | 446.9  | 399.2  | 359.4  | 330.8  | 313.3  |
| 10699.6 | 60°   | 7716.2 | 3667.3 | 613.9  | 489.8  | 407.1  | 384.9  | 335.6  | 310.1  | 284.7  | 264.0  |
| 9697.7  | 62.5° | 6639.6 | 2617.7 | 481.9  | 388.0  | 340.3  | 314.9  | 286.3  | 267.2  | 237.0  | 208.3  |
| 7895.9  | 65°   | 5181.2 | 1601.4 | 372.1  | 284.7  | 273.5  | 260.8  | 243.3  | 225.8  | 189.2  | 160.6  |
| 5151.0  | 67.5° | 3268.1 | 758.6  | 265.6  | 214.7  | 216.3  | 209.9  | 202.0  | 187.7  | 160.6  | 135.2  |
| 2307.5  | 70°   | 1439.2 | 367.4  | 174.9  | 163.8  | 160.6  | 160.6  | 167.0  | 162.2  | 136.8  | 112.9  |
| 801.5   | 72.5° | 489.8  | 197.2  | 130.4  | 124.0  | 116.1  | 114.5  | 139.9  | 135.2  | 109.7  | 87.5   |
| 399.2   | 75°   | 256.0  | 132.0  | 95.4   | 89.1   | 70.0   | 84.3   | 111.3  | 105.0  | 77.9   | 57.3   |
| 264.0   | 77.5° | 167.0  | 93.8   | 65.2   | 57.3   | 39.8   | 55.7   | 82.7   | 73.2   | 46.1   | 28.6   |
| 173.3   | 80°   | 105.0  | 62.0   | 38.2   | 27.0   | 19.1   | 30.2   | 44.5   | 31.8   | 17.5   | 6.4    |
| 101.8   | 82.5° | 55.7   | 31.8   | 14.3   | 9.5    | 8.0    | 9.5    | 11.1   | 8.0    | 3.2    | 0.0    |
| 52.5    | 85°   | 22.3   | 11.1   | 4.8    | 3.2    | 1.6    | 0.0    | 3.2    | 1.6    | 0.0    | 0.0    |
| 9.5     | 87.5° | 8.0    | 1.6    | 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    |

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| 180°   |
|--------|
| 3145.6 |
| 2938.9 |
| 2460.2 |
| 1833.6 |
| 1237.3 |
| 1001.9 |
| 976.5  |
| 962.1  |
| 939.9  |
| 917.6  |
| 903.3  |
| 892.2  |
| 881.0  |
| 869.9  |
| 861.9  |
| 852.4  |
| 822.2  |
| 755.4  |
| 667.9  |
| 577.3  |
| 496.2  |
| 424.6  |
| 365.8  |
| 310.1  |
| 259.2  |
| 203.6  |
| 155.9  |
| 132.0  |
| 108.1  |
| 82.7   |
| 52.5   |
| 25.4   |
| 4.8    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |