

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: P942588

Luminaire Tested: **GLAN-SB6C-930-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942588  
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-SB6C-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 615mA 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: 23920 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 300.9  
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



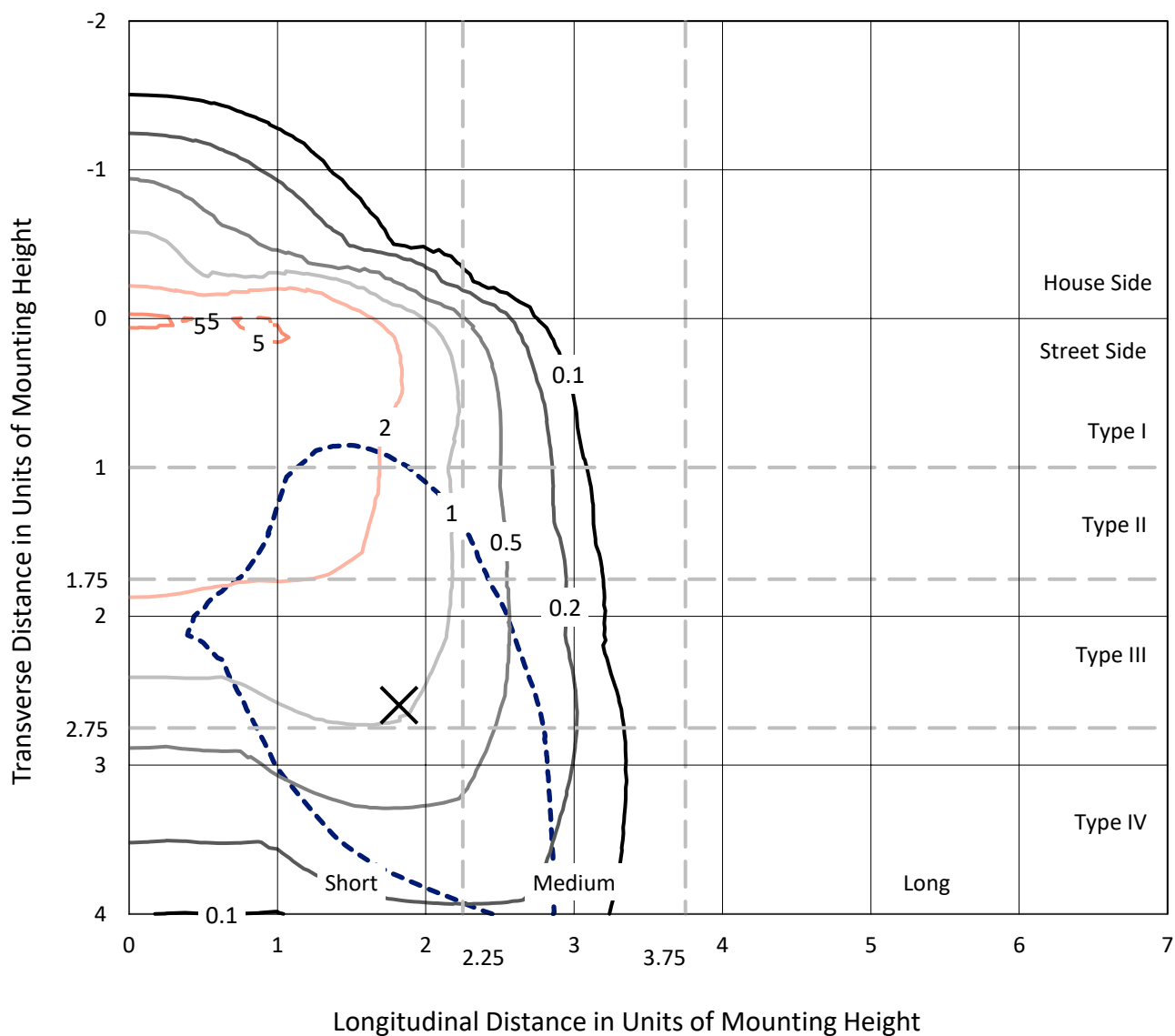
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

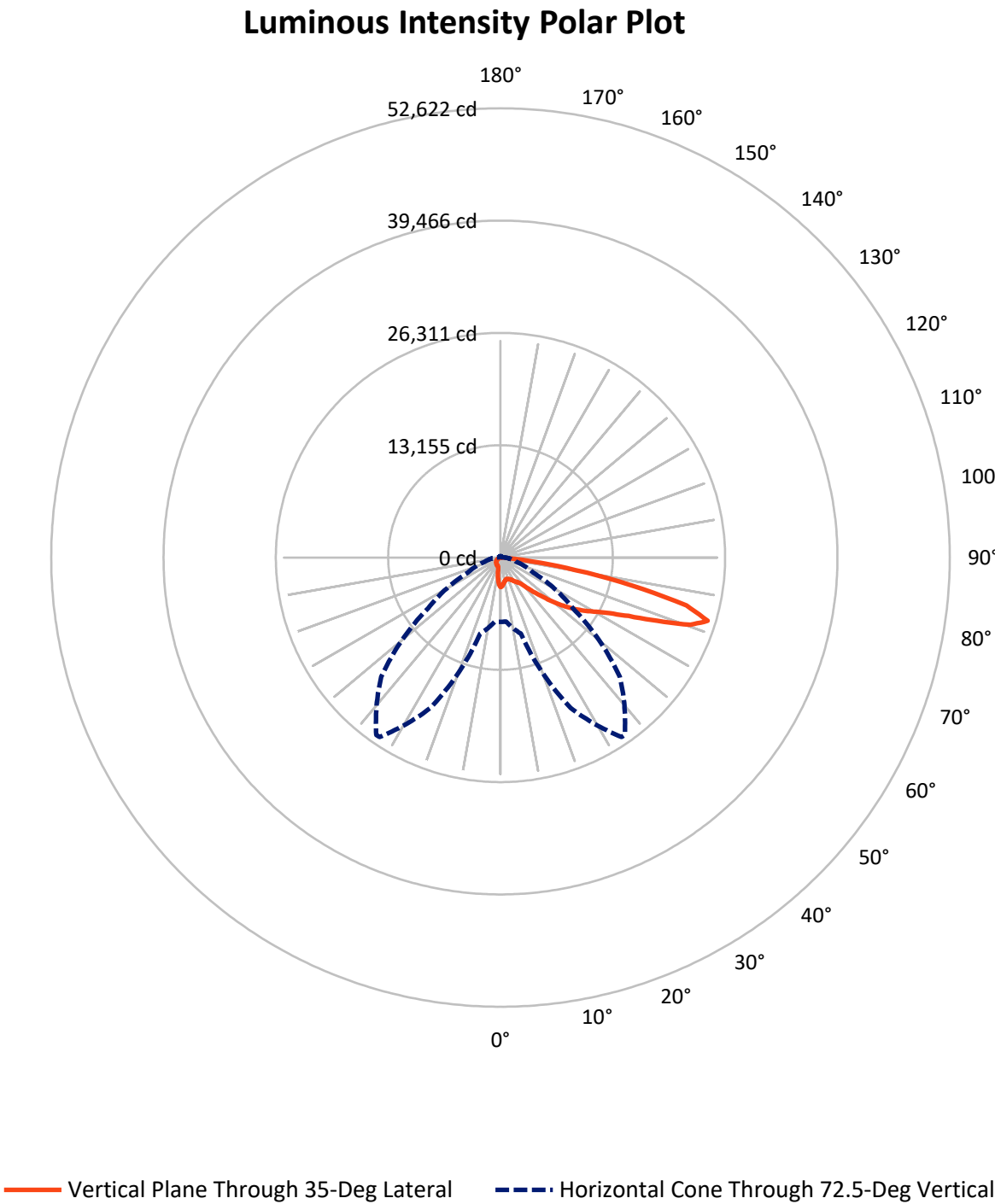
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc

Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2692.1   | 0.0    | 2692.1  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 21227.9  | 0.0    | 21227.9 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 23920.0  | 0.0    | 23920.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 284.9   | 1.2       |
| 10°-20°   | 666.4   | 2.8       |
| 20°-30°   | 1082.6  | 4.5       |
| 30°-40°   | 1806.3  | 7.6       |
| 40°-50°   | 3417.6  | 14.3      |
| 50°-60°   | 5430.6  | 22.7      |
| 60°-70°   | 6718.0  | 28.1      |
| 70°-80°   | 4176.0  | 17.5      |
| 80°-90°   | 337.5   | 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°    | 23920.0 | 100.0     |
| 0°-180°   | 23920.0 | 100.0     |

**Coefficient of Utilization**



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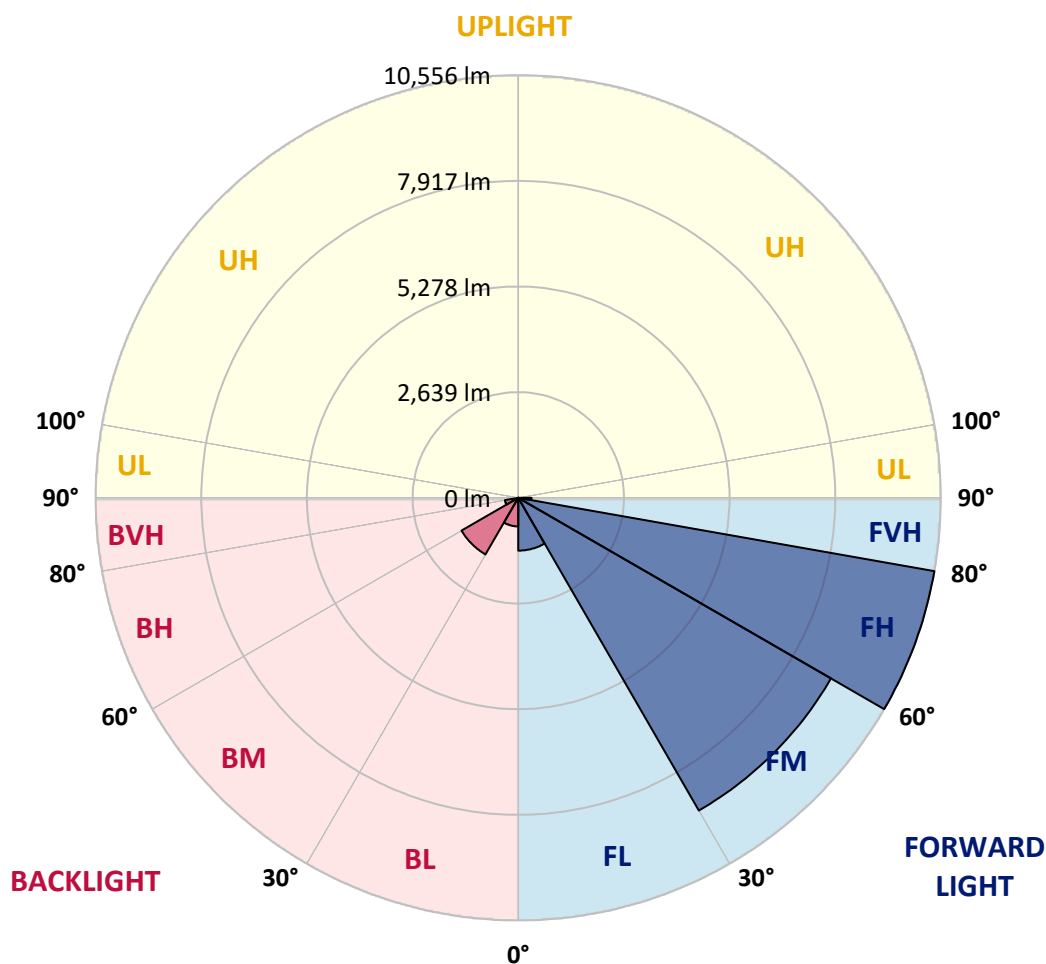
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1318.6  | 5.5       |                         |      |          |
| FM   | (30°-60°)   | 9020.2  | 37.7      |                         |      |          |
| FH   | (60°-80°)   | 10556.2 | 44.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 332.9   | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 715.3   | 3.0       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1634.3  | 6.8       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 337.8   | 1.4       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 4.6     | 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°    | 3466.8  | 3466.8  | 3466.8  | 3466.8  | 3466.8  | 3466.8  | 3466.8  | 3466.8  | 3466.8  | 3466.8  |
| 2.5°  | 3312.6  | 3340.6  | 3345.9  | 3354.6  | 3354.6  | 3365.2  | 3382.7  | 3407.2  | 3447.5  | 3468.6  |
| 5°    | 3053.2  | 3074.2  | 3100.5  | 3121.5  | 3161.8  | 3167.1  | 3235.5  | 3302.1  | 3394.9  | 3465.1  |
| 7.5°  | 2792.0  | 2816.6  | 2851.6  | 2902.4  | 2955.0  | 2970.8  | 3074.2  | 3186.4  | 3333.6  | 3465.1  |
| 10°   | 2608.0  | 2609.7  | 2641.3  | 2692.1  | 2776.3  | 2795.5  | 2921.7  | 3081.2  | 3265.3  | 3444.0  |
| 12.5° | 2504.6  | 2516.9  | 2530.9  | 2569.4  | 2650.1  | 2662.3  | 2797.3  | 2984.8  | 3196.9  | 3431.8  |
| 15°   | 2504.6  | 2513.3  | 2522.1  | 2541.4  | 2606.2  | 2616.8  | 2735.9  | 2923.5  | 3161.8  | 3437.0  |
| 17.5° | 2530.9  | 2544.9  | 2537.9  | 2560.7  | 2629.0  | 2636.0  | 2741.2  | 2906.0  | 3160.1  | 3470.3  |
| 20°   | 2594.0  | 2604.5  | 2590.5  | 2604.5  | 2672.8  | 2686.9  | 2795.5  | 2939.3  | 3189.9  | 3528.2  |
| 22.5° | 2693.9  | 2699.1  | 2665.8  | 2676.3  | 2746.5  | 2764.0  | 2890.2  | 3033.9  | 3261.7  | 3621.0  |
| 25°   | 2820.1  | 2830.6  | 2779.8  | 2792.0  | 2858.6  | 2879.7  | 3025.1  | 3175.9  | 3375.7  | 3749.0  |
| 27.5° | 2965.5  | 2970.8  | 2927.0  | 2925.2  | 3011.1  | 3040.9  | 3188.1  | 3351.1  | 3528.2  | 3910.2  |
| 30°   | 3132.0  | 3147.8  | 3105.8  | 3098.7  | 3207.4  | 3232.0  | 3377.4  | 3566.7  | 3752.5  | 4152.1  |
| 32.5° | 3263.5  | 3275.8  | 3251.2  | 3268.8  | 3379.2  | 3398.5  | 3607.0  | 3871.7  | 4104.8  | 4495.6  |
| 35°   | 3452.8  | 3459.8  | 3403.7  | 3435.3  | 3561.5  | 3610.5  | 3920.8  | 4299.3  | 4548.2  | 4926.8  |
| 37.5° | 4138.1  | 4138.1  | 3899.7  | 3743.7  | 3864.7  | 3908.5  | 4350.2  | 4837.4  | 5095.1  | 5505.2  |
| 40°   | 5086.3  | 5070.5  | 4721.7  | 4402.7  | 4387.0  | 4472.9  | 4961.8  | 5515.7  | 5801.4  | 6199.2  |
| 42.5° | 6097.6  | 6073.1  | 5598.1  | 5282.6  | 5230.0  | 5259.8  | 5668.2  | 6351.7  | 6642.7  | 7045.8  |
| 45°   | 6995.0  | 6988.0  | 6553.3  | 6129.1  | 6034.5  | 6129.1  | 6549.8  | 7329.7  | 7538.3  | 7962.4  |
| 47.5° | 7746.9  | 7746.9  | 7429.6  | 7152.7  | 7103.6  | 7159.7  | 7743.4  | 8414.6  | 8395.4  | 8938.7  |
| 50°   | 8612.7  | 8605.7  | 8304.2  | 8185.0  | 8235.9  | 8314.7  | 9117.5  | 9557.4  | 9282.2  | 9897.4  |
| 52.5° | 9219.1  | 9261.2  | 9157.8  | 9138.5  | 9397.9  | 9534.6  | 10512.6 | 10675.6 | 10076.2 | 10807.1 |
| 55°   | 9699.4  | 9748.4  | 9867.6  | 10002.6 | 10502.1 | 10680.9 | 11863.9 | 11736.0 | 10740.5 | 11595.8 |
| 57.5° | 10379.4 | 10309.3 | 10493.3 | 10759.7 | 11567.7 | 11783.3 | 13173.2 | 12736.8 | 11275.0 | 12235.5 |
| 60°   | 11204.9 | 11215.4 | 11247.0 | 11583.5 | 12631.6 | 12908.5 | 14463.2 | 13683.2 | 11618.5 | 12628.1 |
| 62.5° | 12196.9 | 12212.7 | 12277.6 | 12794.6 | 14060.0 | 14321.2 | 15837.3 | 14457.9 | 11776.3 | 12517.7 |
| 65°   | 12128.6 | 12195.2 | 12919.0 | 14687.5 | 16231.6 | 16489.3 | 17441.0 | 15001.2 | 11537.9 | 11508.1 |
| 67.5° | 11048.9 | 11157.6 | 12368.7 | 16948.5 | 19505.6 | 19793.1 | 19379.4 | 15108.1 | 10509.1 | 8949.2  |
| 70°   | 9632.8  | 9671.3  | 11127.8 | 18981.6 | 23296.7 | 23587.6 | 21114.6 | 13932.1 | 7974.7  | 4991.6  |
| 72.5° | 7522.5  | 7531.3  | 9240.2  | 19453.0 | 25354.3 | 25370.1 | 19752.8 | 10342.6 | 4288.8  | 1917.4  |
| 75°   | 5373.7  | 5321.2  | 6188.7  | 15775.9 | 22306.4 | 22485.2 | 14808.4 | 4851.4  | 1638.8  | 906.1   |
| 77.5° | 2881.4  | 2939.3  | 3501.9  | 9355.8  | 15409.6 | 15714.6 | 8079.9  | 1398.6  | 834.3   | 616.9   |
| 80°   | 890.4   | 939.4   | 1435.4  | 4283.6  | 8728.4  | 8912.4  | 2995.3  | 622.2   | 581.9   | 439.9   |
| 82.5° | 280.4   | 290.9   | 669.5   | 1800.0  | 3622.8  | 3706.9  | 867.6   | 352.3   | 397.9   | 290.9   |
| 85°   | 80.6    | 82.4    | 298.0   | 671.3   | 895.6   | 913.1   | 243.6   | 136.7   | 227.8   | 180.5   |
| 87.5° | 8.8     | 28.0    | 112.2   | 112.2   | 78.9    | 77.1    | 26.3    | 29.8    | 64.8    | 22.8    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3466.8  | 0°    | 3466.8 | 3466.8 | 3466.8 | 3466.8 | 3466.8 | 3466.8 | 3466.8 | 3466.8 | 3466.8 | 3466.8 |
| 3482.6  | 2.5°  | 3473.8 | 3475.6 | 3452.8 | 3414.2 | 3372.2 | 3337.1 | 3293.3 | 3258.2 | 3233.7 | 3226.7 |
| 3514.1  | 5°    | 3498.4 | 3486.1 | 3421.2 | 3303.8 | 3163.6 | 3042.7 | 2907.7 | 2800.8 | 2730.7 | 2700.9 |
| 3547.4  | 7.5°  | 3535.2 | 3500.1 | 3358.1 | 3126.8 | 2858.6 | 2620.3 | 2378.4 | 2190.9 | 2071.7 | 2012.1 |
| 3579.0  | 10°   | 3566.7 | 3496.6 | 3253.0 | 2870.9 | 2460.8 | 2099.7 | 1773.7 | 1547.6 | 1421.4 | 1361.8 |
| 3615.8  | 12.5° | 3596.5 | 3494.9 | 3116.3 | 2567.7 | 2012.1 | 1570.4 | 1267.2 | 1155.0 | 1120.0 | 1107.7 |
| 3675.4  | 15°   | 3652.6 | 3500.1 | 2944.5 | 2220.7 | 1565.1 | 1186.6 | 1076.1 | 1074.4 | 1081.4 | 1077.9 |
| 3766.5  | 17.5° | 3729.7 | 3505.4 | 2750.0 | 1852.6 | 1207.6 | 1046.4 | 1041.1 | 1056.9 | 1067.4 | 1062.1 |
| 3880.4  | 20°   | 3829.6 | 3526.4 | 2543.1 | 1488.0 | 1037.6 | 1011.3 | 1023.6 | 1037.6 | 1046.4 | 1037.6 |
| 4032.9  | 22.5° | 3969.8 | 3563.2 | 2317.0 | 1195.3 | 983.3  | 990.3  | 1000.8 | 1016.6 | 1025.3 | 1013.1 |
| 4227.5  | 25°   | 4141.6 | 3621.0 | 2094.5 | 1039.3 | 957.0  | 965.7  | 981.5  | 999.0  | 1009.5 | 997.3  |
| 4472.9  | 27.5° | 4364.2 | 3713.9 | 1889.4 | 1004.3 | 930.7  | 935.9  | 958.7  | 985.0  | 999.0  | 983.3  |
| 4821.6  | 30°   | 4686.7 | 3866.4 | 1712.4 | 1020.1 | 914.9  | 902.6  | 934.2  | 971.0  | 986.8  | 972.7  |
| 5296.6  | 32.5° | 5114.3 | 4082.0 | 1603.7 | 1044.6 | 907.9  | 864.1  | 893.9  | 941.2  | 967.5  | 958.7  |
| 5917.1  | 35°   | 5675.2 | 4409.8 | 1561.6 | 1072.6 | 902.6  | 823.8  | 844.8  | 895.6  | 941.2  | 950.0  |
| 6698.8  | 37.5° | 6355.2 | 4865.5 | 1573.9 | 1084.9 | 886.9  | 790.5  | 801.0  | 844.8  | 904.4  | 932.4  |
| 7578.6  | 40°   | 7128.2 | 5396.5 | 1644.0 | 1072.6 | 869.3  | 762.4  | 764.2  | 797.5  | 850.1  | 892.1  |
| 8525.1  | 42.5° | 7925.6 | 6017.0 | 1773.7 | 1027.1 | 853.6  | 737.9  | 732.6  | 755.4  | 790.5  | 820.3  |
| 9469.8  | 45°   | 8684.6 | 6654.9 | 1901.7 | 964.0  | 834.3  | 713.3  | 701.1  | 709.8  | 716.8  | 729.1  |
| 10389.9 | 47.5° | 9347.1 | 7103.6 | 1864.9 | 906.1  | 808.0  | 685.3  | 664.3  | 660.8  | 639.7  | 638.0  |
| 11211.9 | 50°   | 9804.5 | 7201.8 | 1656.3 | 848.3  | 769.4  | 653.8  | 620.5  | 599.4  | 562.6  | 545.1  |
| 11827.1 | 52.5° | 9950.0 | 6814.4 | 1353.1 | 790.5  | 706.3  | 611.7  | 564.4  | 531.1  | 485.5  | 469.7  |
| 12181.2 | 55°   | 9757.2 | 6055.5 | 1081.4 | 720.4  | 618.7  | 555.6  | 503.0  | 459.2  | 422.4  | 403.1  |
| 12219.7 | 57.5° | 9285.7 | 5089.8 | 855.3  | 638.0  | 525.8  | 492.5  | 439.9  | 396.1  | 364.6  | 345.3  |
| 11792.1 | 60°   | 8504.0 | 4041.7 | 676.5  | 539.8  | 448.7  | 424.1  | 369.8  | 341.8  | 313.7  | 290.9  |
| 10687.9 | 62.5° | 7317.5 | 2884.9 | 531.1  | 427.7  | 375.1  | 347.0  | 315.5  | 294.5  | 261.1  | 229.6  |
| 8702.1  | 65°   | 5710.2 | 1765.0 | 410.1  | 313.7  | 301.5  | 287.4  | 268.2  | 248.9  | 208.6  | 177.0  |
| 5676.9  | 67.5° | 3601.8 | 836.0  | 292.7  | 236.6  | 238.4  | 231.4  | 222.6  | 206.8  | 177.0  | 149.0  |
| 2543.1  | 70°   | 1586.2 | 404.9  | 192.8  | 180.5  | 177.0  | 177.0  | 184.0  | 178.8  | 150.7  | 124.4  |
| 883.4   | 72.5° | 539.8  | 217.3  | 143.7  | 136.7  | 127.9  | 126.2  | 154.2  | 149.0  | 120.9  | 96.4   |
| 439.9   | 75°   | 282.2  | 145.5  | 105.2  | 98.2   | 77.1   | 92.9   | 122.7  | 115.7  | 85.9   | 63.1   |
| 290.9   | 77.5° | 184.0  | 103.4  | 71.9   | 63.1   | 43.8   | 61.3   | 91.1   | 80.6   | 50.8   | 31.5   |
| 191.0   | 80°   | 115.7  | 68.4   | 42.1   | 29.8   | 21.0   | 33.3   | 49.1   | 35.1   | 19.3   | 7.0    |
| 112.2   | 82.5° | 61.3   | 35.1   | 15.8   | 10.5   | 8.8    | 10.5   | 12.3   | 8.8    | 3.5    | 0.0    |
| 57.8    | 85°   | 24.5   | 12.3   | 5.3    | 3.5    | 1.8    | 0.0    | 3.5    | 1.8    | 0.0    | 0.0    |
| 10.5    | 87.5° | 8.8    | 1.8    | 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°   |
|--------|
| 3466.8 |
| 3239.0 |
| 2711.4 |
| 2020.8 |
| 1363.6 |
| 1104.2 |
| 1076.1 |
| 1060.4 |
| 1035.8 |
| 1011.3 |
| 995.5  |
| 983.3  |
| 971.0  |
| 958.7  |
| 950.0  |
| 939.4  |
| 906.1  |
| 832.5  |
| 736.1  |
| 636.2  |
| 546.8  |
| 468.0  |
| 403.1  |
| 341.8  |
| 285.7  |
| 224.3  |
| 171.8  |
| 145.5  |
| 119.2  |
| 91.1   |
| 57.8   |
| 28.0   |
| 5.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |