

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: P950663

Luminaire Tested: **GLAN-SB5A-750-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950663  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-750-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24294 lumens  
Efficiency: N/A  
Efficacy: 171.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 141.7  
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



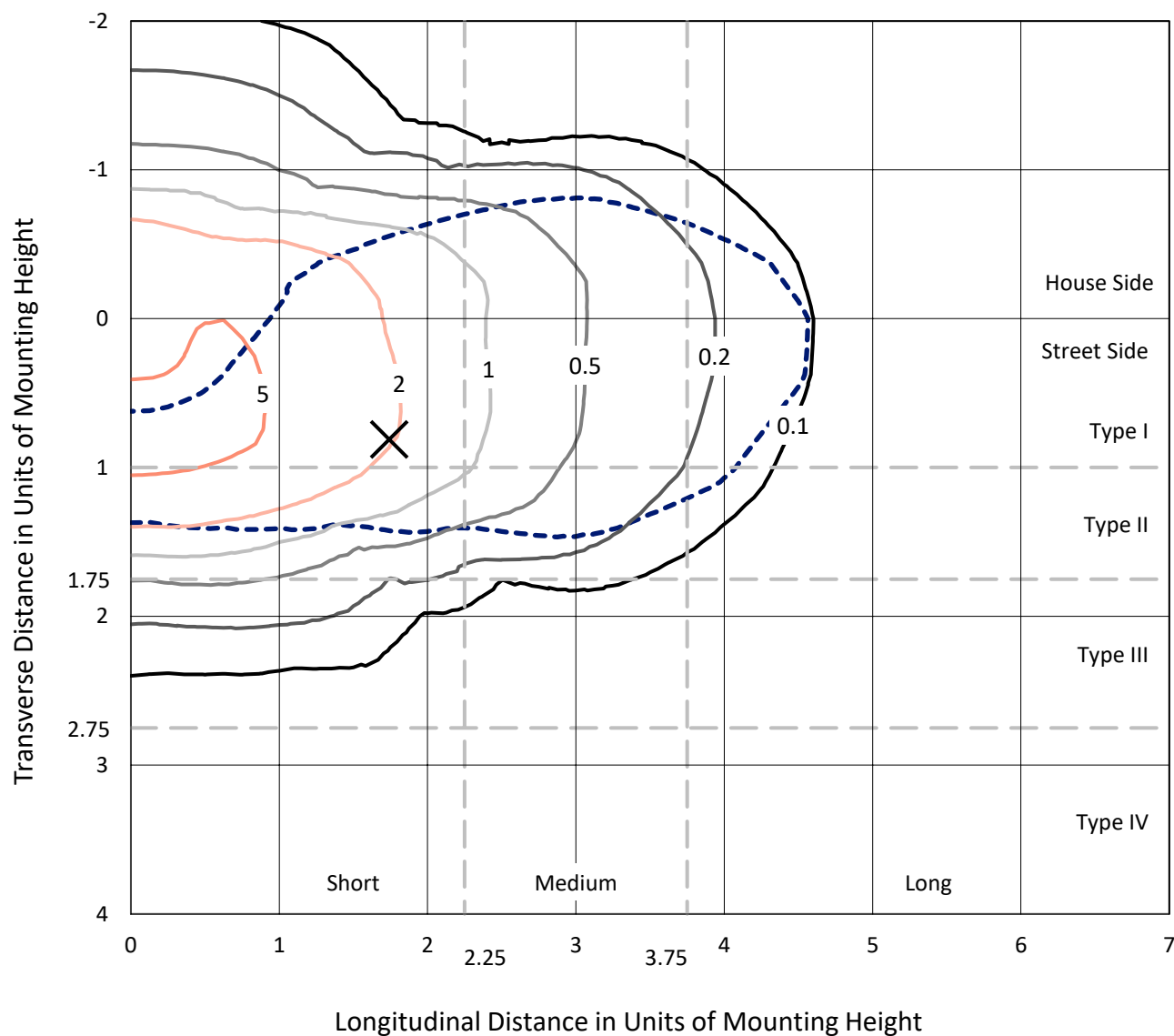
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

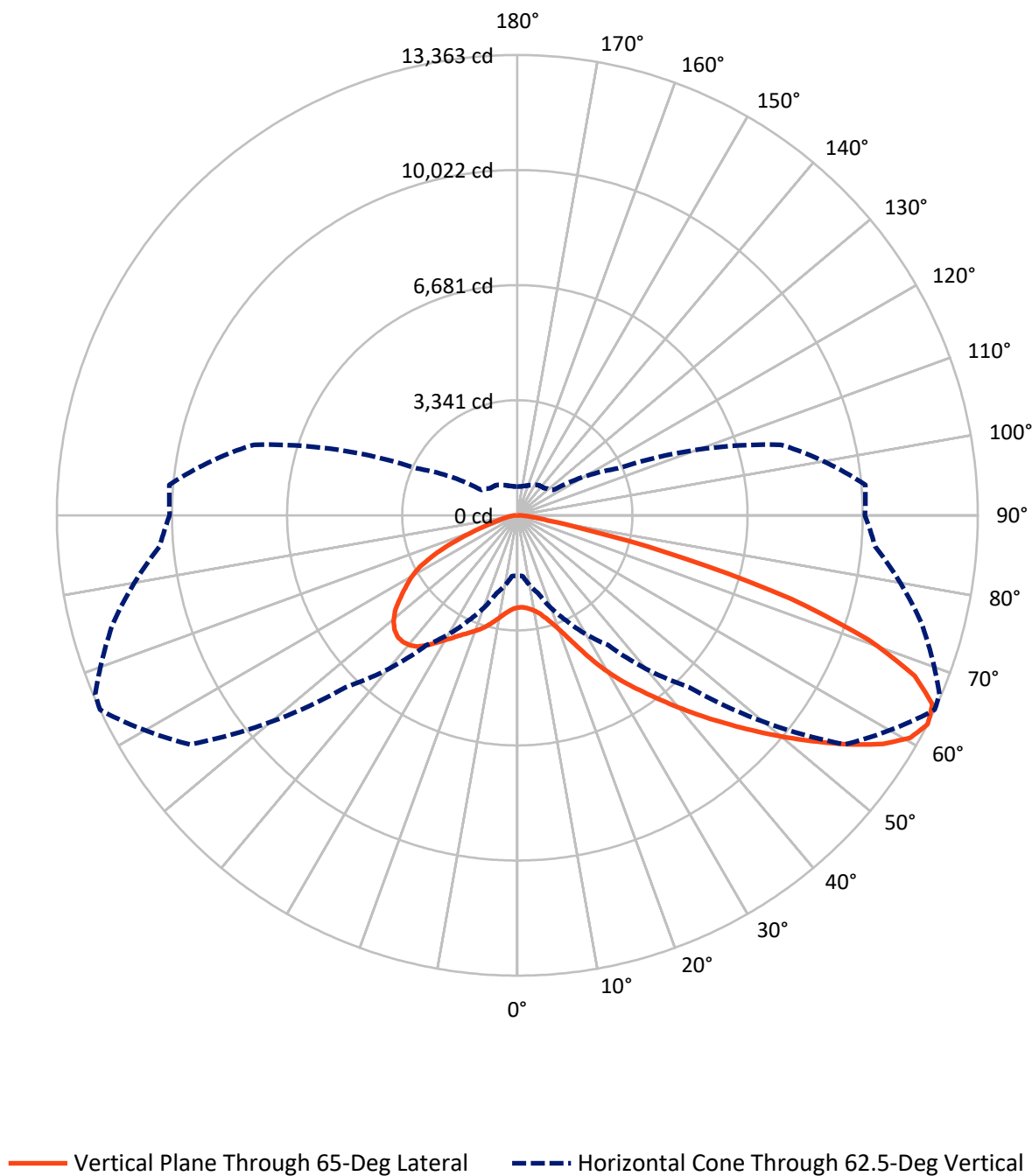


Based on 25 foot mounting height. Maximum calculated value = 6.8 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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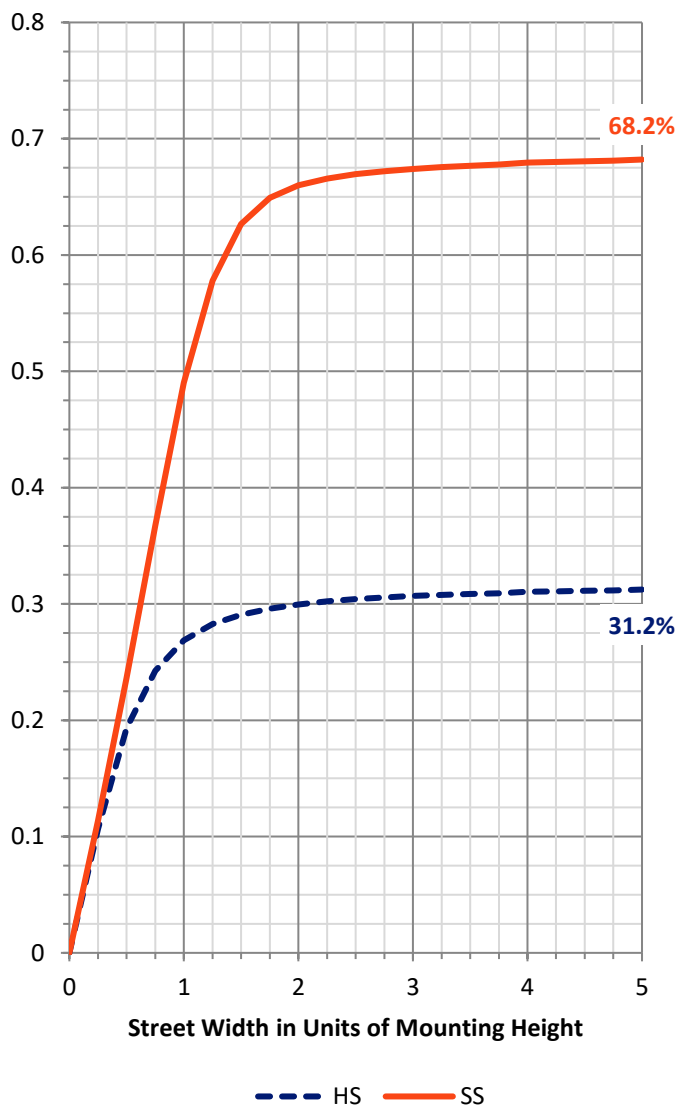
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7666.1   | 0.0    | 7666.1  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 16627.9  | 0.0    | 16627.9 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 24294.0  | 0.0    | 24294.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 266.9   | 1.1       |
| 10°-20°   | 905.1   | 3.7       |
| 20°-30°   | 1835.2  | 7.6       |
| 30°-40°   | 3175.7  | 13.1      |
| 40°-50°   | 4805.9  | 19.8      |
| 50°-60°   | 5634.6  | 23.2      |
| 60°-70°   | 4723.9  | 19.4      |
| 70°-80°   | 2608.0  | 10.7      |
| 80°-90°   | 338.8   | 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°    | 24294.0 | 100.0     |
| 0°-180°   | 24294.0 | 100.0     |

**Coefficient of Utilization**



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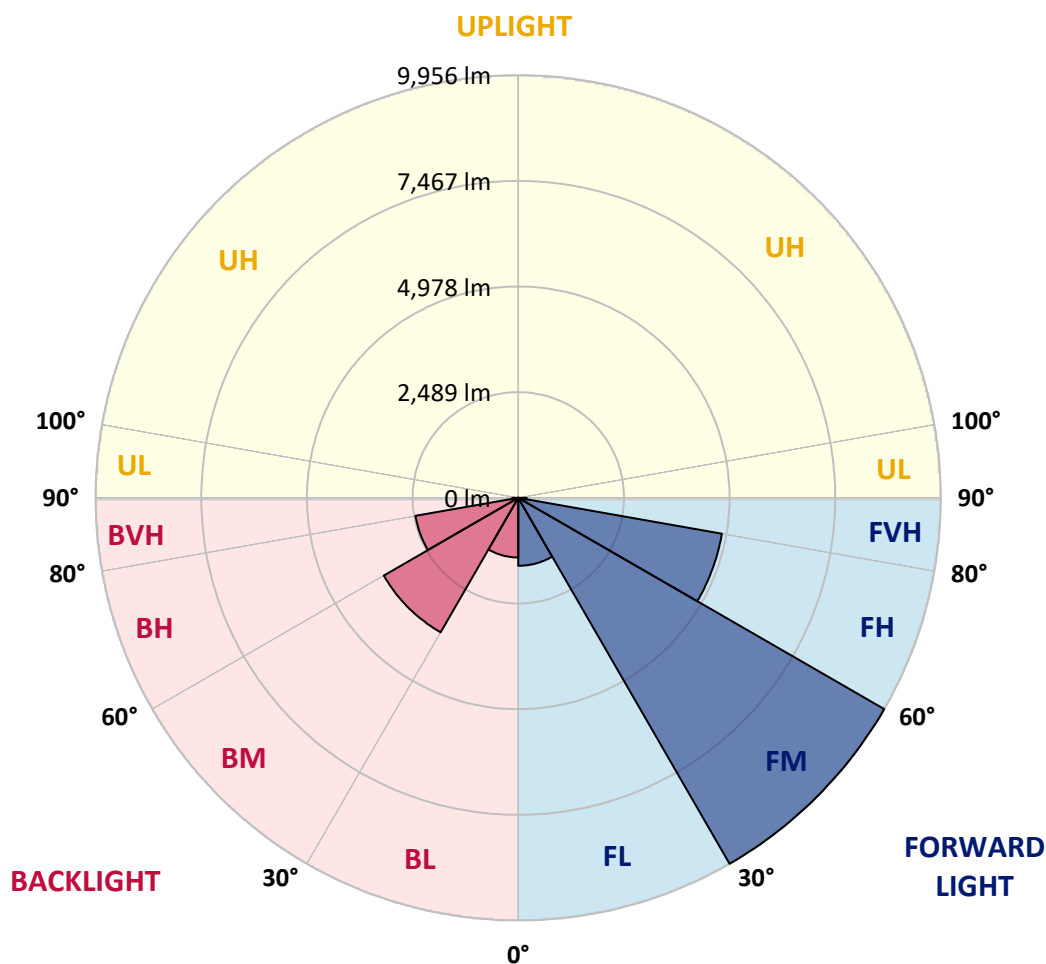
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1601.3 | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 9956.5 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 4872.7 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 197.4  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1405.9 | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3659.7 | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2459.2 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 141.3  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2677.1 | 2677.1 | 2677.1 | 2677.1  | 2677.1  | 2677.1  | 2677.1  | 2677.1  | 2677.1  | 2677.1  |
| 2.5°  | 2659.4 | 2651.9 | 2658.2 | 2658.2  | 2660.7  | 2659.4  | 2668.3  | 2670.8  | 2674.6  | 2682.1  |
| 5°    | 2633.0 | 2631.7 | 2643.1 | 2653.1  | 2663.2  | 2672.1  | 2683.4  | 2699.8  | 2702.3  | 2711.1  |
| 7.5°  | 2624.2 | 2616.6 | 2634.2 | 2646.8  | 2670.8  | 2692.2  | 2722.5  | 2750.2  | 2761.5  | 2765.3  |
| 10°   | 2692.2 | 2679.6 | 2696.0 | 2703.6  | 2723.7  | 2745.2  | 2780.4  | 2824.6  | 2837.2  | 2852.3  |
| 12.5° | 2808.2 | 2794.3 | 2818.3 | 2829.6  | 2848.5  | 2867.4  | 2891.4  | 2934.2  | 2940.5  | 2968.2  |
| 15°   | 2967.0 | 2950.6 | 2965.7 | 2979.6  | 3011.1  | 3028.7  | 3052.7  | 3094.3  | 3094.3  | 3115.7  |
| 17.5° | 3182.5 | 3161.1 | 3172.4 | 3177.5  | 3197.6  | 3224.1  | 3264.4  | 3301.0  | 3319.9  | 3312.3  |
| 20°   | 3503.9 | 3477.4 | 3477.4 | 3452.2  | 3444.7  | 3466.1  | 3519.0  | 3569.5  | 3589.6  | 3550.6  |
| 22.5° | 3986.7 | 3948.8 | 3927.4 | 3841.7  | 3807.7  | 3810.2  | 3863.1  | 3924.9  | 3941.3  | 3872.0  |
| 25°   | 4600.5 | 4541.2 | 4512.2 | 4386.2  | 4309.3  | 4242.5  | 4284.1  | 4363.5  | 4386.2  | 4300.5  |
| 27.5° | 5214.3 | 5218.1 | 5190.3 | 5039.1  | 4911.8  | 4789.5  | 4768.1  | 4851.3  | 4875.2  | 4778.2  |
| 30°   | 6075.1 | 5985.6 | 5932.7 | 5751.2  | 5569.7  | 5398.3  | 5310.1  | 5344.1  | 5350.4  | 5234.4  |
| 32.5° | 6817.5 | 6794.8 | 6681.4 | 6522.6  | 6289.4  | 6020.9  | 5873.5  | 5819.3  | 5809.2  | 5644.1  |
| 35°   | 7663.2 | 7650.6 | 7530.9 | 7341.8  | 7089.8  | 6716.7  | 6450.7  | 6295.7  | 6283.1  | 6051.2  |
| 37.5° | 8522.8 | 8522.8 | 8405.6 | 8198.9  | 7938.0  | 7471.7  | 7067.1  | 6821.3  | 6781.0  | 6478.5  |
| 40°   | 9208.5 | 9166.9 | 9188.3 | 9101.4  | 8802.6  | 8307.3  | 7751.5  | 7394.8  | 7340.6  | 6977.6  |
| 42.5° | 9598.0 | 9584.1 | 9712.7 | 9809.7  | 9687.4  | 9291.7  | 8505.2  | 8016.2  | 7940.5  | 7527.1  |
| 45°   | 9684.9 | 9669.8 | 9899.2 | 10254.6 | 10426.0 | 10263.5 | 9324.5  | 8670.3  | 8578.3  | 8101.9  |
| 47.5° | 9484.5 | 9454.3 | 9790.8 | 10351.7 | 10901.2 | 11187.3 | 10211.8 | 9379.9  | 9246.3  | 8661.5  |
| 50°   | 8882.1 | 8853.1 | 9362.3 | 10107.2 | 11061.3 | 11815.0 | 11174.7 | 10132.4 | 9928.2  | 9261.4  |
| 52.5° | 7572.5 | 7586.4 | 8384.2 | 9407.6  | 10850.8 | 12205.7 | 12004.1 | 10925.2 | 10679.4 | 9875.2  |
| 55°   | 5898.7 | 5928.9 | 6909.5 | 8036.3  | 10008.9 | 12146.5 | 12570.0 | 11741.9 | 11497.4 | 10452.5 |
| 57.5° | 4223.6 | 4357.2 | 5276.0 | 6391.5  | 8391.8  | 11207.5 | 12693.5 | 12518.3 | 12281.4 | 11082.7 |
| 60°   | 2737.6 | 2761.5 | 3706.8 | 4831.1  | 6390.2  | 9538.7  | 12442.7 | 13106.9 | 12921.6 | 11725.5 |
| 62.5° | 1754.5 | 1770.9 | 2346.9 | 3379.1  | 4599.2  | 7057.0  | 11598.2 | 13362.8 | 13306.1 | 12150.3 |
| 65°   | 1289.4 | 1276.8 | 1576.8 | 2233.4  | 3098.1  | 4352.2  | 9958.4  | 13239.3 | 13351.4 | 12416.2 |
| 67.5° | 1076.4 | 1058.7 | 1206.2 | 1546.5  | 2282.6  | 2471.6  | 7368.3  | 12436.4 | 12847.3 | 12386.0 |
| 70°   | 980.6  | 965.5  | 1055.0 | 1148.2  | 1780.9  | 1654.9  | 3714.4  | 10811.7 | 11444.4 | 12041.9 |
| 72.5° | 830.6  | 804.1  | 926.4  | 1019.7  | 1385.2  | 1269.2  | 1535.2  | 8304.8  | 9076.2  | 10939.0 |
| 75°   | 644.1  | 626.4  | 731.0  | 897.4   | 1041.1  | 990.7   | 970.5   | 5042.9  | 5884.8  | 8459.8  |
| 77.5° | 510.5  | 486.5  | 582.3  | 699.5   | 936.5   | 747.4   | 707.1   | 2171.7  | 3006.1  | 5400.8  |
| 80°   | 384.4  | 363.0  | 442.4  | 553.3   | 719.7   | 563.4   | 457.5   | 886.1   | 1133.1  | 2736.3  |
| 82.5° | 273.5  | 254.6  | 308.8  | 405.8   | 484.0   | 505.4   | 281.1   | 496.6   | 558.4   | 1055.0  |
| 85°   | 175.2  | 163.9  | 206.7  | 254.6   | 307.5   | 325.2   | 171.4   | 259.6   | 284.9   | 434.8   |
| 87.5° | 95.8   | 78.1   | 110.9  | 118.5   | 142.4   | 129.8   | 81.9    | 94.5    | 102.1   | 157.6   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2677.1  | 0°    | 2677.1  | 2677.1  | 2677.1 | 2677.1 | 2677.1 | 2677.1 | 2677.1 | 2677.1 | 2677.1 | 2677.1 |
| 2682.1  | 2.5°  | 2687.2  | 2691.0  | 2703.6 | 2707.3 | 2716.2 | 2727.5 | 2735.1 | 2742.6 | 2742.6 | 2750.2 |
| 2722.5  | 5°    | 2723.7  | 2732.6  | 2759.0 | 2772.9 | 2795.6 | 2818.3 | 2832.1 | 2848.5 | 2858.6 | 2863.6 |
| 2786.7  | 7.5°  | 2794.3  | 2808.2  | 2846.0 | 2869.9 | 2909.0 | 2940.5 | 2961.9 | 2984.6 | 2989.7 | 3003.5 |
| 2876.2  | 10°   | 2890.1  | 2906.5  | 2949.3 | 2994.7 | 3041.3 | 3080.4 | 3100.6 | 3117.0 | 3123.3 | 3125.8 |
| 2990.9  | 12.5° | 2999.8  | 3023.7  | 3079.2 | 3134.6 | 3183.8 | 3217.8 | 3222.8 | 3219.1 | 3201.4 | 3186.3 |
| 3132.1  | 15°   | 3134.6  | 3156.0  | 3217.8 | 3278.3 | 3326.2 | 3332.5 | 3301.0 | 3280.8 | 3259.4 | 3255.6 |
| 3289.6  | 17.5° | 3296.0  | 3307.3  | 3364.0 | 3423.3 | 3427.0 | 3405.6 | 3359.0 | 3340.1 | 3319.9 | 3306.0 |
| 3495.1  | 20°   | 3483.8  | 3480.0  | 3520.3 | 3545.5 | 3519.0 | 3453.5 | 3382.9 | 3351.4 | 3331.2 | 3314.9 |
| 3747.2  | 22.5° | 3708.1  | 3679.1  | 3674.1 | 3667.8 | 3597.2 | 3459.8 | 3364.0 | 3323.7 | 3292.2 | 3269.5 |
| 4098.8  | 25°   | 4034.5  | 3923.6  | 3846.7 | 3803.9 | 3645.1 | 3425.8 | 3303.5 | 3214.0 | 3154.8 | 3115.7 |
| 4528.6  | 27.5° | 4442.9  | 4256.4  | 4062.3 | 3957.7 | 3645.1 | 3356.5 | 3157.3 | 3012.4 | 2915.3 | 2875.0 |
| 4944.6  | 30°   | 4832.4  | 4637.0  | 4350.9 | 4142.9 | 3636.3 | 3243.0 | 2921.6 | 2719.9 | 2606.5 | 2566.2 |
| 5300.0  | 32.5° | 5165.1  | 4952.1  | 4657.2 | 4345.9 | 3614.8 | 3059.0 | 2629.2 | 2406.1 | 2296.5 | 2248.6 |
| 5651.6  | 35°   | 5473.9  | 5247.1  | 4964.7 | 4569.0 | 3558.1 | 2789.3 | 2307.8 | 2137.6 | 2015.4 | 1938.5 |
| 6009.6  | 37.5° | 5790.3  | 5520.6  | 5255.9 | 4770.6 | 3456.0 | 2474.2 | 2060.8 | 1915.8 | 1772.1 | 1668.8 |
| 6390.2  | 40°   | 6134.4  | 5811.7  | 5567.2 | 4890.4 | 3288.4 | 2174.2 | 1869.2 | 1736.8 | 1584.3 | 1474.7 |
| 6828.9  | 42.5° | 6536.4  | 6160.8  | 5913.8 | 4952.1 | 3059.0 | 1961.2 | 1744.4 | 1614.6 | 1470.9 | 1381.4 |
| 7299.0  | 45°   | 6956.2  | 6545.3  | 6230.2 | 4950.9 | 2803.1 | 1861.6 | 1704.1 | 1575.5 | 1416.7 | 1323.4 |
| 7781.7  | 47.5° | 7396.0  | 6947.3  | 6503.7 | 4870.2 | 2581.3 | 1875.5 | 1681.4 | 1491.1 | 1315.9 | 1225.1 |
| 8269.5  | 50°   | 7837.2  | 7387.2  | 6768.4 | 4718.9 | 2486.8 | 1845.2 | 1596.9 | 1372.6 | 1165.9 | 1083.9 |
| 8727.0  | 52.5° | 8274.5  | 7854.8  | 6996.5 | 4503.4 | 2391.0 | 1733.1 | 1488.5 | 1218.8 | 1104.1 | 1047.4 |
| 9199.7  | 55°   | 8714.4  | 8317.4  | 7244.8 | 4189.6 | 2151.5 | 1602.0 | 1307.0 | 1160.8 | 1055.0 | 1003.3 |
| 9662.2  | 57.5° | 9155.6  | 8851.8  | 7480.5 | 3875.7 | 1850.3 | 1440.6 | 1207.5 | 1090.2 | 1005.8 | 961.7  |
| 10049.2 | 60°   | 9614.3  | 9463.1  | 7723.7 | 3587.1 | 1552.8 | 1233.9 | 1134.4 | 1033.5 | 947.8  | 898.7  |
| 10421.0 | 62.5° | 10087.0 | 10136.2 | 7914.1 | 3215.3 | 1279.3 | 1107.9 | 1068.8 | 965.5  | 882.3  | 835.6  |
| 10728.5 | 65°   | 10563.4 | 10785.3 | 8038.8 | 2699.8 | 1037.3 | 988.2  | 998.2  | 891.1  | 806.7  | 766.3  |
| 10954.2 | 67.5° | 10922.6 | 11252.9 | 8003.6 | 2043.1 | 850.8  | 874.7  | 910.0  | 813.0  | 733.6  | 702.0  |
| 10917.6 | 70°   | 10963.0 | 11197.4 | 7655.7 | 1399.0 | 712.1  | 763.8  | 811.7  | 736.1  | 654.1  | 631.5  |
| 10403.4 | 72.5° | 10426.0 | 10441.2 | 6686.4 | 913.8  | 602.5  | 670.5  | 708.3  | 657.9  | 578.5  | 555.8  |
| 9101.4  | 75°   | 9018.2  | 8635.0  | 4909.3 | 602.5  | 504.2  | 576.0  | 611.3  | 576.0  | 499.1  | 504.2  |
| 6810.0  | 77.5° | 6832.6  | 6115.5  | 2980.9 | 428.5  | 421.0  | 484.0  | 531.9  | 506.7  | 441.1  | 495.3  |
| 3424.5  | 80°   | 3520.3  | 3308.6  | 1329.7 | 320.1  | 332.7  | 386.9  | 437.4  | 404.6  | 349.1  | 332.7  |
| 765.1   | 82.5° | 806.7   | 937.7   | 524.3  | 229.4  | 240.7  | 278.5  | 334.0  | 303.8  | 250.8  | 211.7  |
| 318.9   | 85°   | 282.3   | 308.8   | 231.9  | 143.7  | 141.2  | 173.9  | 226.9  | 202.9  | 170.2  | 136.1  |
| 134.9   | 87.5° | 89.5    | 117.2   | 87.0   | 58.0   | 60.5   | 78.1   | 104.6  | 95.8   | 79.4   | 51.7   |
| 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°   |
|--------|
| 2677.1 |
| 2750.2 |
| 2866.2 |
| 2998.5 |
| 3119.5 |
| 3186.3 |
| 3255.6 |
| 3307.3 |
| 3316.1 |
| 3277.0 |
| 3130.8 |
| 2895.1 |
| 2590.1 |
| 2272.5 |
| 1963.7 |
| 1696.5 |
| 1496.1 |
| 1399.0 |
| 1338.5 |
| 1237.7 |
| 1089.0 |
| 1047.4 |
| 998.2  |
| 954.1  |
| 894.9  |
| 834.4  |
| 765.1  |
| 703.3  |
| 632.7  |
| 554.6  |
| 486.5  |
| 436.1  |
| 303.8  |
| 209.2  |
| 143.7  |
| 54.2   |
| 0.0    |