

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: P940952

Luminaire Tested: **GLAN-SB4B-735-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940952  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 22371 lumens  
Efficiency: N/A  
Efficacy: 152.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 147  
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



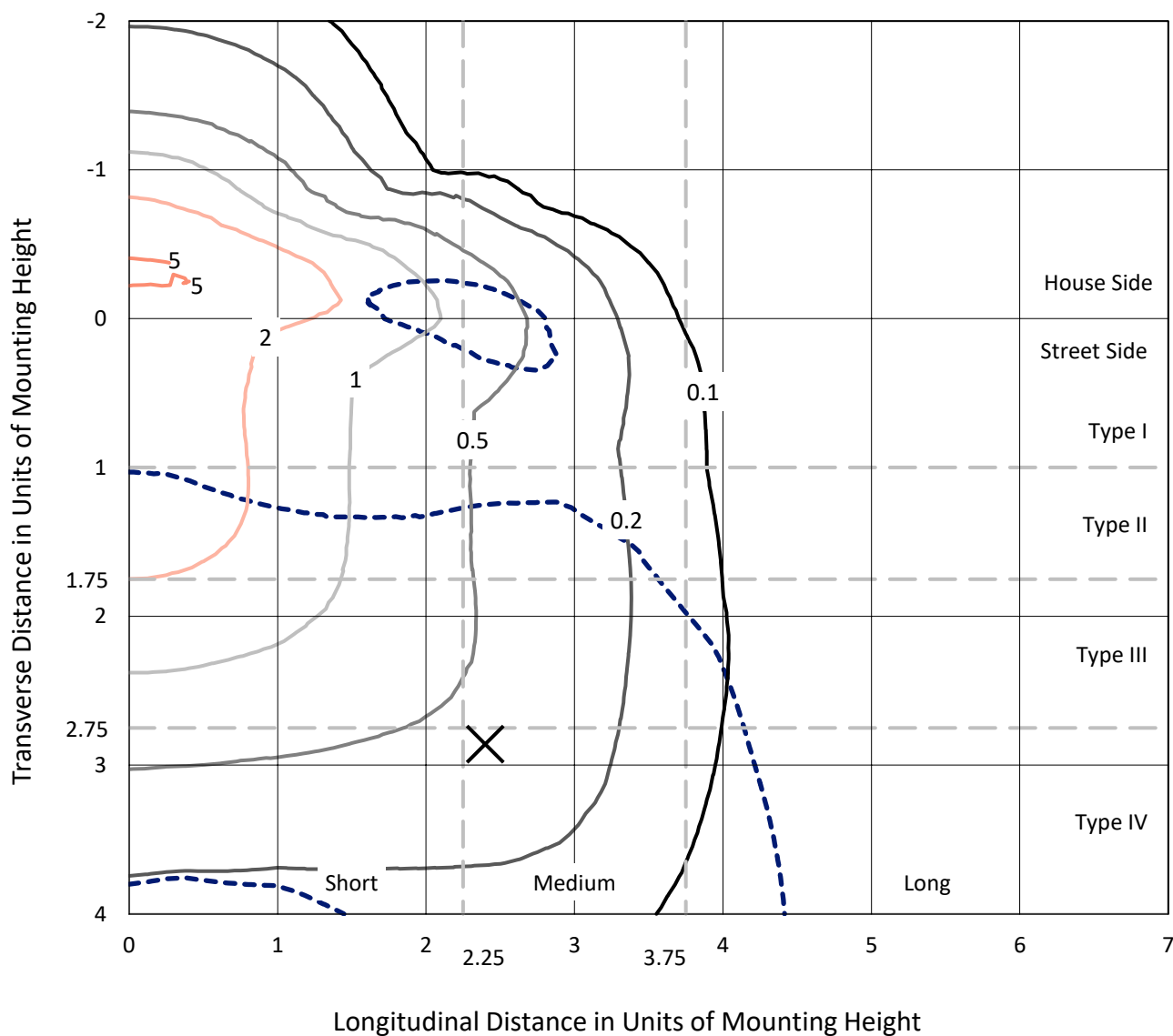
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

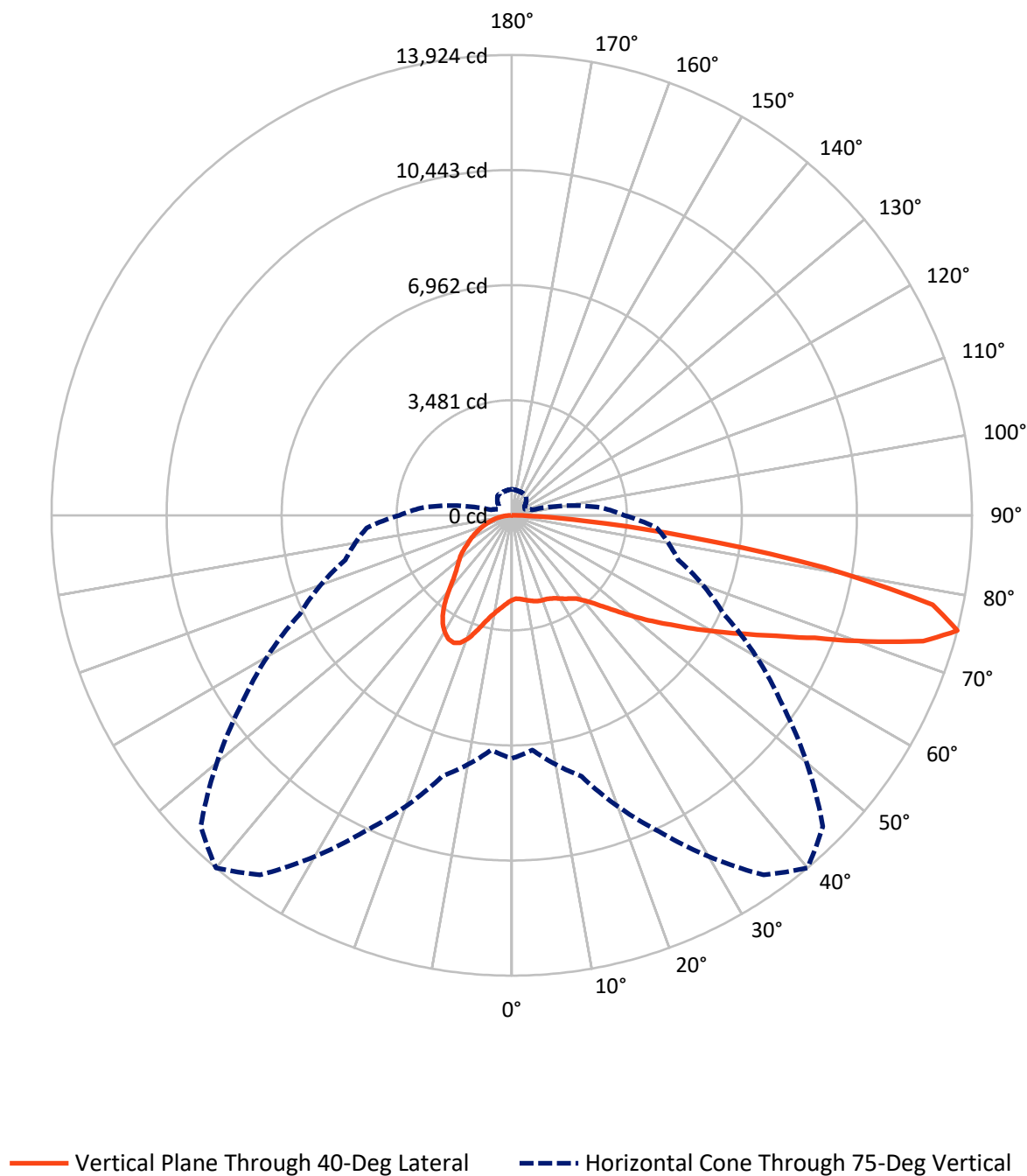
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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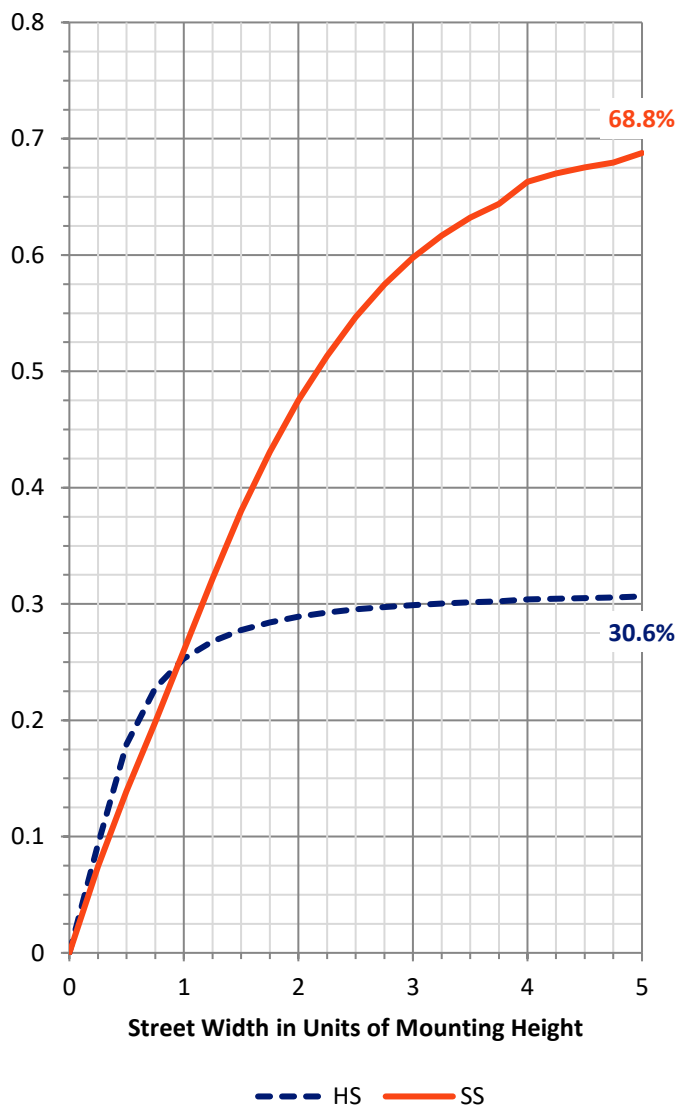
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6931.3   | 0.0    | 6931.3  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 15439.7  | 0.0    | 15439.7 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 22371.0  | 0.0    | 22371.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 255.4   | 1.1       |
| 10°-20°   | 857.3   | 3.8       |
| 20°-30°   | 1565.4  | 7.0       |
| 30°-40°   | 2220.2  | 9.9       |
| 40°-50°   | 2997.9  | 13.4      |
| 50°-60°   | 4033.0  | 18.0      |
| 60°-70°   | 5118.8  | 22.9      |
| 70°-80°   | 4645.7  | 20.8      |
| 80°-90°   | 677.2   | 3.0       |
| 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°    | 22371.0 | 100.0     |
| 0°-180°   | 22371.0 | 100.0     |

**Coefficient of Utilization**



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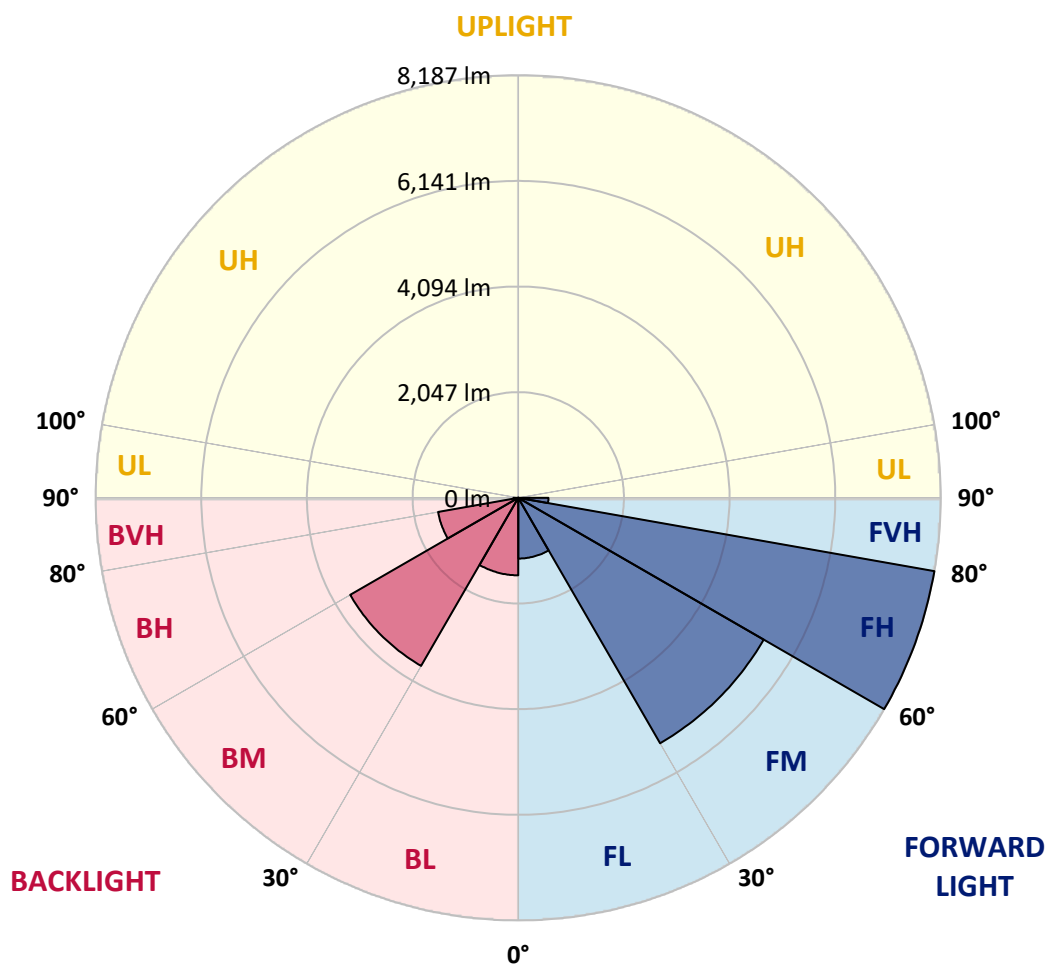
CATALOG NUMBER: GLAN-SB4B-735-U-SL4

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1176.7 | 5.3       |                         |      |          |
| FM   | (30°-60°)   | 5491.6 | 24.5      |                         |      |          |
| FH   | (60°-80°)   | 8187.4 | 36.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 584.0  | 2.6       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1501.4 | 6.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3759.6 | 16.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1577.1 | 7.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 93.2   | 0.4       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°    | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2558.2  | 2558.2  | 2558.2  | 2558.2  | 2558.2  | 2558.2  | 2558.2  | 2558.2 | 2558.2 | 2558.2 |
| 2.5°  | 2519.0  | 2533.2  | 2529.7  | 2524.9  | 2524.9  | 2526.1  | 2524.9  | 2533.2 | 2541.5 | 2549.8 |
| 5°    | 2545.1  | 2559.3  | 2552.2  | 2546.3  | 2541.5  | 2540.4  | 2536.8  | 2535.6 | 2540.4 | 2551.0 |
| 7.5°  | 2596.1  | 2610.4  | 2599.7  | 2589.0  | 2579.5  | 2574.8  | 2570.0  | 2562.9 | 2559.3 | 2565.3 |
| 10°   | 2653.1  | 2667.3  | 2654.3  | 2635.3  | 2619.9  | 2613.9  | 2609.2  | 2602.1 | 2597.3 | 2600.9 |
| 12.5° | 2710.0  | 2724.3  | 2706.5  | 2680.4  | 2660.2  | 2656.6  | 2650.7  | 2648.3 | 2647.1 | 2646.0 |
| 15°   | 2763.4  | 2775.3  | 2752.7  | 2721.9  | 2700.5  | 2694.6  | 2688.7  | 2692.2 | 2698.2 | 2705.3 |
| 17.5° | 2805.0  | 2816.8  | 2783.6  | 2743.3  | 2723.1  | 2720.7  | 2717.1  | 2729.0 | 2745.6 | 2763.4 |
| 20°   | 2842.9  | 2854.8  | 2812.1  | 2757.5  | 2733.8  | 2733.8  | 2734.9  | 2759.9 | 2783.6 | 2809.7 |
| 22.5° | 2896.3  | 2905.8  | 2853.6  | 2778.8  | 2744.4  | 2746.8  | 2756.3  | 2781.2 | 2810.9 | 2846.5 |
| 25°   | 2975.8  | 2982.9  | 2918.9  | 2819.2  | 2780.0  | 2787.2  | 2795.5  | 2807.3 | 2835.8 | 2877.3 |
| 27.5° | 3104.0  | 3109.9  | 3025.6  | 2890.4  | 2831.1  | 2842.9  | 2854.8  | 2846.5 | 2859.5 | 2895.1 |
| 30°   | 3284.3  | 3287.9  | 3181.1  | 3001.9  | 2917.7  | 2923.6  | 2926.0  | 2891.6 | 2866.7 | 2895.1 |
| 32.5° | 3497.9  | 3496.7  | 3369.7  | 3137.2  | 3016.2  | 3010.2  | 2990.0  | 2922.4 | 2864.3 | 2889.2 |
| 35°   | 3828.9  | 3815.9  | 3652.1  | 3327.0  | 3127.7  | 3090.9  | 3043.4  | 2956.8 | 2876.1 | 2883.3 |
| 37.5° | 4377.1  | 4336.8  | 4110.1  | 3637.9  | 3293.8  | 3200.1  | 3130.1  | 3012.6 | 2902.2 | 2880.9 |
| 40°   | 4995.3  | 4944.3  | 4695.1  | 4063.9  | 3543.0  | 3392.3  | 3279.6  | 3092.1 | 2945.0 | 2891.6 |
| 42.5° | 5728.6  | 5656.2  | 5388.0  | 4565.8  | 3858.6  | 3640.3  | 3470.6  | 3192.9 | 3007.8 | 2926.0 |
| 45°   | 6629.1  | 6533.0  | 6153.3  | 5131.7  | 4256.1  | 3965.4  | 3738.7  | 3346.0 | 3104.0 | 2992.4 |
| 47.5° | 7539.2  | 7562.9  | 7023.1  | 5779.6  | 4733.1  | 4366.4  | 4074.5  | 3576.2 | 3244.0 | 3099.2 |
| 50°   | 8506.2  | 8522.8  | 7888.0  | 6497.4  | 5274.1  | 4819.7  | 4451.9  | 3833.7 | 3438.6 | 3251.1 |
| 52.5° | 9260.8  | 9263.2  | 8673.5  | 7248.5  | 5837.7  | 5318.0  | 4858.8  | 4127.9 | 3664.0 | 3452.8 |
| 55°   | 9733.1  | 9727.2  | 9224.1  | 7959.2  | 6485.6  | 5841.3  | 5309.7  | 4462.5 | 3939.3 | 3690.1 |
| 57.5° | 10076.0 | 10058.2 | 9603.8  | 8570.3  | 7176.1  | 6459.5  | 5819.9  | 4842.2 | 4264.4 | 3972.5 |
| 60°   | 10206.5 | 10195.8 | 9861.2  | 9098.3  | 7902.3  | 7142.9  | 6408.4  | 5267.0 | 4633.4 | 4305.9 |
| 62.5° | 10256.3 | 10276.5 | 10114.0 | 9609.7  | 8679.4  | 7899.9  | 7055.1  | 5774.8 | 5048.7 | 4683.2 |
| 65°   | 10432.0 | 10468.7 | 10435.5 | 10278.9 | 9557.5  | 8786.2  | 7913.0  | 6378.8 | 5501.9 | 5087.8 |
| 67.5° | 10779.6 | 10816.4 | 10830.6 | 11079.8 | 10630.1 | 9890.9  | 8983.2  | 7131.0 | 6032.3 | 5507.9 |
| 70°   | 10771.3 | 10760.6 | 11012.2 | 11717.0 | 11973.3 | 11420.3 | 10426.0 | 8056.5 | 6664.7 | 5856.7 |
| 72.5° | 9804.3  | 9718.8  | 10313.3 | 11709.8 | 13091.0 | 13017.4 | 12188.0 | 9250.2 | 7210.5 | 5899.4 |
| 75°   | 7355.3  | 7127.5  | 8177.5  | 10553.0 | 13277.2 | 13923.9 | 13308.1 | 9990.6 | 7081.2 | 5212.4 |
| 77.5° | 3145.5  | 2916.5  | 4154.0  | 7812.1  | 11883.1 | 13016.2 | 12280.6 | 8716.2 | 5652.6 | 3446.9 |
| 80°   | 823.5   | 822.3   | 1255.3  | 3541.8  | 8081.4  | 9612.1  | 8432.7  | 5628.9 | 3229.7 | 1231.6 |
| 82.5° | 340.5   | 332.2   | 461.6   | 1377.6  | 3948.8  | 5394.0  | 4402.0  | 2510.7 | 1166.4 | 333.4  |
| 85°   | 127.0   | 125.8   | 224.3   | 475.8   | 1393.0  | 2224.7  | 1610.1  | 641.9  | 290.7  | 162.6  |
| 87.5° | 35.6    | 34.4    | 48.6    | 164.9   | 339.3   | 515.0   | 275.3   | 105.6  | 81.9   | 64.1   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2558.2 | 0°    | 2558.2 | 2558.2 | 2558.2 | 2558.2 | 2558.2 | 2558.2 | 2558.2 | 2558.2 | 2558.2 | 2558.2 |
| 2562.9 | 2.5°  | 2566.5 | 2572.4 | 2583.1 | 2591.4 | 2602.1 | 2613.9 | 2630.5 | 2641.2 | 2651.9 | 2659.0 |
| 2568.8 | 5°    | 2577.1 | 2590.2 | 2617.5 | 2644.8 | 2676.8 | 2706.5 | 2740.9 | 2765.8 | 2786.0 | 2791.9 |
| 2590.2 | 7.5°  | 2600.9 | 2622.2 | 2668.5 | 2714.8 | 2765.8 | 2814.4 | 2864.3 | 2907.0 | 2941.4 | 2954.5 |
| 2628.2 | 10°   | 2642.4 | 2670.9 | 2736.1 | 2801.4 | 2869.0 | 2943.8 | 3007.8 | 3069.5 | 3118.2 | 3138.4 |
| 2673.2 | 12.5° | 2694.6 | 2730.2 | 2815.6 | 2905.8 | 2999.5 | 3102.8 | 3185.8 | 3261.8 | 3322.3 | 3349.6 |
| 2736.1 | 15°   | 2762.2 | 2808.5 | 2917.7 | 3038.7 | 3176.3 | 3319.9 | 3425.5 | 3509.7 | 3577.4 | 3610.6 |
| 2801.4 | 17.5° | 2835.8 | 2897.5 | 3035.1 | 3217.9 | 3414.8 | 3603.5 | 3726.9 | 3788.6 | 3858.6 | 3890.6 |
| 2861.9 | 20°   | 2907.0 | 2982.9 | 3179.9 | 3445.7 | 3707.9 | 3908.4 | 4008.1 | 4024.7 | 4029.4 | 4033.0 |
| 2918.9 | 22.5° | 2980.6 | 3082.6 | 3361.4 | 3732.8 | 4014.0 | 4152.8 | 4167.1 | 4095.9 | 3996.2 | 3950.0 |
| 2974.6 | 25°   | 3061.2 | 3196.5 | 3598.7 | 4049.6 | 4277.4 | 4294.0 | 4184.9 | 4011.7 | 3823.0 | 3736.4 |
| 3019.7 | 27.5° | 3139.6 | 3328.2 | 3883.5 | 4352.2 | 4467.3 | 4321.3 | 4086.4 | 3840.8 | 3613.0 | 3521.6 |
| 3051.7 | 30°   | 3217.9 | 3478.9 | 4197.9 | 4616.8 | 4553.9 | 4253.7 | 3931.0 | 3656.9 | 3427.9 | 3331.8 |
| 3080.2 | 32.5° | 3297.4 | 3654.5 | 4559.8 | 4807.8 | 4538.5 | 4110.1 | 3737.6 | 3450.4 | 3248.7 | 3147.9 |
| 3105.1 | 35°   | 3387.5 | 3870.5 | 4902.7 | 4912.2 | 4435.2 | 3898.9 | 3482.5 | 3203.6 | 3028.0 | 2947.3 |
| 3134.8 | 37.5° | 3505.0 | 4144.5 | 5205.3 | 4938.3 | 4254.9 | 3589.2 | 3165.7 | 2911.7 | 2767.0 | 2730.2 |
| 3178.7 | 40°   | 3650.9 | 4474.4 | 5436.7 | 4896.8 | 3987.9 | 3213.1 | 2819.2 | 2616.3 | 2534.4 | 2542.7 |
| 3238.0 | 42.5° | 3840.8 | 4843.4 | 5599.2 | 4790.0 | 3616.5 | 2825.1 | 2515.4 | 2425.3 | 2464.4 | 2497.6 |
| 3327.0 | 45°   | 4087.6 | 5226.7 | 5700.1 | 4608.5 | 3196.5 | 2496.5 | 2336.3 | 2357.6 | 2387.3 | 2390.9 |
| 3470.6 | 47.5° | 4403.2 | 5614.6 | 5766.5 | 4334.4 | 2768.2 | 2265.1 | 2222.4 | 2227.1 | 2221.2 | 2196.3 |
| 3685.4 | 50°   | 4797.1 | 5992.0 | 5825.9 | 3971.3 | 2403.9 | 2120.3 | 2063.4 | 2046.8 | 1964.9 | 1884.2 |
| 3971.3 | 52.5° | 5245.6 | 6338.4 | 5850.8 | 3520.4 | 2120.3 | 1999.3 | 1906.7 | 1802.3 | 1649.3 | 1624.4 |
| 4330.8 | 55°   | 5744.0 | 6658.8 | 5786.7 | 2966.3 | 1881.8 | 1843.9 | 1703.9 | 1578.1 | 1561.5 | 1540.1 |
| 4804.3 | 57.5° | 6339.6 | 7004.1 | 5656.2 | 2348.1 | 1637.4 | 1662.3 | 1525.9 | 1540.1 | 1510.4 | 1477.2 |
| 5412.9 | 60°   | 6991.0 | 7361.2 | 5427.2 | 1784.5 | 1384.7 | 1435.7 | 1479.6 | 1478.4 | 1470.1 | 1442.8 |
| 6054.9 | 62.5° | 7577.2 | 7596.2 | 4976.3 | 1366.9 | 1162.8 | 1260.1 | 1379.9 | 1378.7 | 1371.6 | 1356.2 |
| 6725.2 | 65°   | 7926.0 | 7560.6 | 4224.0 | 1076.2 | 980.1  | 1115.3 | 1244.7 | 1254.2 | 1255.3 | 1254.2 |
| 7229.5 | 67.5° | 7864.3 | 7144.1 | 3191.8 | 856.7  | 829.4  | 968.2  | 1110.6 | 1123.6 | 1133.1 | 1135.5 |
| 7293.6 | 70°   | 7166.6 | 6229.3 | 2081.2 | 683.4  | 695.3  | 838.9  | 983.6  | 996.7  | 1005.0 | 1014.5 |
| 6328.9 | 72.5° | 5586.2 | 4580.0 | 1191.3 | 552.9  | 577.8  | 727.3  | 857.9  | 873.3  | 878.0  | 895.8  |
| 4404.4 | 75°   | 3404.1 | 2693.4 | 643.1  | 435.5  | 474.6  | 621.7  | 733.3  | 751.1  | 759.4  | 780.7  |
| 2163.0 | 77.5° | 1618.4 | 1166.4 | 366.6  | 339.3  | 382.1  | 507.8  | 619.4  | 639.5  | 617.0  | 628.9  |
| 596.8  | 80°   | 547.0  | 433.1  | 231.4  | 258.7  | 291.9  | 396.3  | 496.0  | 516.1  | 468.7  | 466.3  |
| 198.2  | 82.5° | 191.0  | 175.6  | 147.1  | 172.0  | 188.7  | 283.6  | 374.9  | 401.0  | 348.8  | 347.7  |
| 89.0   | 85°   | 74.8   | 71.2   | 81.9   | 93.7   | 112.7  | 174.4  | 246.8  | 259.8  | 214.8  | 173.2  |
| 26.1   | 87.5° | 15.4   | 16.6   | 20.2   | 21.4   | 34.4   | 60.5   | 89.0   | 109.2  | 86.6   | 73.6   |
| 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°   |
|--------|
| 2558.2 |
| 2654.3 |
| 2794.3 |
| 2955.6 |
| 3139.6 |
| 3349.6 |
| 3608.2 |
| 3889.4 |
| 4042.5 |
| 3963.0 |
| 3749.4 |
| 3532.3 |
| 3342.4 |
| 3160.9 |
| 2965.1 |
| 2756.3 |
| 2571.2 |
| 2528.5 |
| 2414.6 |
| 2215.2 |
| 1894.9 |
| 1632.7 |
| 1543.7 |
| 1471.3 |
| 1433.3 |
| 1350.3 |
| 1254.2 |
| 1137.9 |
| 1019.2 |
| 902.9  |
| 783.1  |
| 619.4  |
| 461.6  |
| 331.0  |
| 170.9  |
| 67.6   |
| 0.0    |